2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

MISSISSIPPI POWER COMPANY

PLANT WATSON FORMER CCR UNIT

Report Submitted – August 1, 2024

Prepared By:

Southern Company Services

Earth Science and Environmental Engineering

CERTIFICATION STATEMENT

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

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EXECUTIVE SUMMARY

In accordance with the United States Environmental Protection Agency (EPA) Coal Combustion Residual (CCR) Rule (40 CFR Part 257, Subpart D) and Mississippi Commission on Environmental Quality (MCEQ) Administrative Order No. 7010-19, this 2024 Annual Groundwater Monitoring and Corrective Action Report has been prepared to document semi-annual assessment groundwater monitoring activities at the Plant Watson former CCR Unit (former CCR Unit) and to satisfy the requirements of § 257.90(e). Semi-annual assessment monitoring and associated reporting for the former CCR Unit is performed in accordance with the monitoring requirements § 257.90 through § 257.95. The CCR Unit began the monitoring period in assessment monitoring pursuant to § 257.95. Statistically significant increases (SSI) of Appendix III constituents over background were identified in the results of the first detection monitoring event, and assessment monitoring was initiated in August 2019.

The following summarizes activities related to groundwater monitoring at the site during the 2024 monitoring period:

- Conducted the first and second semi-annual sampling event during October 2023 and March 2024 in all background, downgradient and surface water monitoring locations.
- Continued optimization of the temporary groundwater remedy and enhanced source control system. As part of ongoing optimization, TW-5 was disconnected from the system and operation was moved to TW-7 in August 2023. Currently four groundwater pumping wells are operating (TW-3, TW-4, TW-6, and TW-7), and groundwater is pumped through a treatment system and discharged at the approved National Pollutant Discharge Elimination System (NPDES) permitted outfall.
- Initiated development of treatability studies designed to immobilize certain SSL constituents observed in APMW-3, APMW-5, and APMW-6R.
- Continued updating the Monitored Natural Attenuation Evaluation, completed in 2022, as new site data is collected. Results indicate attenuation and decreasing temporal trends of Statistically Significant Levels (SSLs) in compliance wells at the site. Exceptions were monitoring wells APMW-5 and APMW-6R on the east side of the former CCR unit where temporal trends are more variable, along with recent data trends in APMW-3.

- Submitted the Semi-Annual Remedy Selection and Design Progress Reports on September 30, 2023 and March 31, 2024.
- Submitted Semi-Annual Progress Reports on September 30, 2023 and March 31, 2024, in accordance with the requirements of Part 3. E. of Administrative Order No. 7010-19.

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

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

- Semi-annual groundwater assessment monitoring, including sampling of horizontal and vertical delineation locations.
- Complete workplans and initiate treatability study to assess potential remedies at locations APMW-3, APMW-5, and APMW-6R.
- Continued optimization of the temporary groundwater remedy and enhanced source control system.
- Develop a groundwater monitoring plan to assess performance of the temporary groundwater remedy.
- Submit the next Semi-Annual Remedy Selection and Design Progress Report by September 30, 2024.
- Submit the next Semi-Annual Progress Report by September 30, 2024.
- Submit the next Annual Groundwater and Corrective Action Report by August 1, 2025.

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

Assessment Monitoring Initiated:	August 2019
Monitoring Period:	July 2023 - June 2024
Beginning Status:	Assessment
Ending Status:	Assessment

Statistical Analysis Results (Note 1)

Appendix III SSIs

Parameter	Wells
Boron	APMW-10, APMW-1R, APMW-2, APMW-3, APMW-5, APMW-6R, APMW-7, APMW-8, APMW-9
Calcium	APMW-1R, APMW-2, APMW-3, APMW-5, APMW-6R, APMW-8, APMW-9
Chloride	APMW-2, APMW-3, APMW-5
Fluoride	APMW-10, APMW-8
pH	APMW-10, APMW-8
Sulfate	APMW-3
TDS	APMW-3, APMW-5

Appendix IV SSLs

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

Assessment of Corrective Measures & Groundwater Remedy

Assessment of Corrective Measures

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

Groundwater Remedy

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

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

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1.0 INTRODUCTION

In accordance with the United States Environmental Protection Agency (EPA) Coal Combustion Residual (CCR) Rule (40 C.F.R. Part 257 Subpart D) and the Mississippi Commission on Environmental Quality (MCEQ) Administrative Order Number 7010 19, this Annual Groundwater Monitoring and Corrective Action Report documents the groundwater monitoring activities completed from July 2023 through June 2024 at Mississippi Power Company's (MPC) Plant Jack Watson Electric Generating Plant (Plant Watson) Ash Pond (former CCR Unit). Semi-annual assessment monitoring and associated reporting for the former CCR Unit is performed in accordance with the monitoring requirements § 257.90 through § 257.95.

1.1 Site Description & Background

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

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

2.0 REGIONAL GEOLOGY & HYDROGEOLOGIC SETTING

2.1 Site Location and Physical Setting

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

2.2 Geology and Hydrogeology

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

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

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

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

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

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

3.0 GROUNDWATER MONITORING ACTIVITIES

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

3.1 Groundwater Monitoring Network

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

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

3.2 Assessment Monitoring

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

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

all Appendix IV parameters. Pursuant to § 257.95(d)(1), semi-annual assessment monitoring events were conducted August 2019 and March 2020. During the semi-annual assessment monitoring event, monitoring wells were sampled for Appendix III parameters as well as Appendix IV parameters that were detected in the initial assessment event. **Table 2, Summary of Sampling Events**, presents a summary of groundwater sampling events and their purpose completed during the semi-annual assessment monitoring events conducted in October 2023 and March 2024. Analytical data from the semi-annual groundwater monitoring events conducted in October 2023 and March 2024 are included in **Appendix A, Groundwater Analytical Data**.

4.0 GROUNDWATER SAMPLING METHODOLOGY AND ANALYSIS

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

4.1 Groundwater Elevation Measurement

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

Groundwater elevations fluctuate in response to rainfall and tides. Seasonal variations of 1.5 to 2.5 feet are typical at the site. **Table 3, Summary of Groundwater Elevations**, provides a summary of water level data for the site observed in the semi-annual assessment monitoring events conducted in October 2023 and March 2024. Four background monitoring wells (APMW-13 through APMW-16) are located on islands north of the CCR Unit and are typically sampled at one time during the event due to the difficulty of reaching them. Because the wells are located approximately a quarter-mile north of the CCR Unit and need to be reached by airboat, they are not gauged during the initial gauging event and therefore groundwater elevations from those well are not used for generating potentiometric maps.

Groundwater elevation data from semi-annual assessment monitoring events were used to develop the potentiometric surface elevation contour maps provided as **Figure 3, Unit 3 Potentiometric Surface Contour Map – October 16, 2023** and **Figure 4, Unit 3 Potentiometric Surface Contour Map – March 25, 2024**. As shown on these figures, the general direction of groundwater flow in the uppermost Unit 3 aquifer is from west to east and radially from the former CCR Unit. The general groundwater flow direction in Unit 4 is generally west to east and does not appear to be influenced by the former CCR Unit. Groundwater elevations and flow patterns are generally consistent across the monitoring events.

4.2 Groundwater Sampling

Groundwater samples were collected in accordance with § 257.93(a). Each of the downgradient monitoring wells at the former CCR Unit is equipped with a dedicated bladder pump. For wells

without dedicated pumps, a peristaltic pump along with disposable polyethylene tubing was used to purge and sample from the middle of the well screen interval.

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

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

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

4.3 Laboratory Analysis

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

4.4 Quality Assurance/Quality Control

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

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

5.0 STATISTICAL ANALYSIS

Statistical analysis of Appendix III and IV groundwater monitoring data was performed on samples collected from the certified groundwater monitoring network pursuant to § 257.93 following the PE-certified statistical method for the former CCR Unit. The statistical method used at the site was developed by Groundwater Stats Consulting, LLC. (GSC), in accordance with §257.93(f) using methodology presented in *Statistical Analysis of Groundwater Data at RCRA Facilities, Unified Guidance,* March 2009, EPA 530/R-09-007 (USEPA, 2009).

5.1 Statistical Methods

The Sanitas groundwater statistical software was used to perform the statistical analyses. Sanitas is a decision support software package that incorporates the statistical tests required of Subtitle C and D facilities by USEPA regulations. Statistical analysis was performed using methods described in the PE-certified statistical analysis plan for the site.

5.1.1 Appendix III Statistical Method

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

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

5.1.2 Appendix IV Statistical Method

When in assessment monitoring, Appendix IV constituents are statistically compared to the GWPS. Following the Unified Guidance, spatial variation for Appendix III parameters is tested

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

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

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

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

5.2 Statistical Analysis Results

Appendix III and IV analytical data from the October 2023 and March 2024 semi-annual monitoring events was statistically analyzed in accordance with the PE-certified Statistical Analysis Plan. Appendix III statistical analysis was performed, and constituents have not returned to background levels. Appendix IV assessment monitoring parameters were evaluated using confidence intervals to determine if concentrations statistically exceeded the established GWPS.

5.2.1 First Semi-Annual Assessment Monitoring Event

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

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

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

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

5.2.2 Second Semi-Annual Assessment Monitoring Event

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

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

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

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

5.2.3 Delineation Wells

To evaluate delineation efforts groundwater quality is simply compared to the GWPS. Surface water sampling locations serve as the basis for horizontal delineation in the direction of groundwater flow, and additional wells with a "D" designation were installed for downward vertical delineation.

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

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

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

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

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

Analytical results from horizontal surface water sampling locations in October 2023 identified 22 surface water samples exceeding the GWPS for lithium. Previously thought to be laboratory error, the occurrence of lithium in surface water samples appears to be temporally related, only occurring during the fall sampling events. Elevated lithium concentrations were observed in samples collected upriver (upgradient) from the Site as well as downgradient, and each sample

concentration is approximately one order of magnitude higher than concentrations observed during the spring event. There were no other Appendix IV constituents observed exceeding the GWPS during the October 2023 event and a corresponding increase was not observed in other monitored parameters. Although review of laboratory quality control did not identify a sampling, analytical, or reporting error, the increases observed over the last two fall sampling events in surface water samples, including upgradient/upriver samples, leads to the conclusion that the lithium is naturally occurring and not related to the former CCR unit. Analytical results from horizontal sampling locations during the March 2024 event did not identify concentrations above the GWPS of Appendix IV constituents. Reported lithium concentrations were consistent with historical levels and were approximately an order of magnitude below the GWPS of 0.04 mg/L. Therefore, horizontal delineation is complete at the former CCR Unit.

6.0 ALTERNATE SOURCE DEMONSTRATIONS

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

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

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

7.0 MONITORING PROGRAM STATUS

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

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

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

8.0 CONCLUSIONS AND FUTURE ACTIONS

Based on the results reported in the 2019 Annual Groundwater Monitoring and Corrective Action Report, MPC initiated an assessment monitoring program. An ACM was completed on August 11, 2020, to address SSLs of Appendix IV above groundwater protection standards pursuant to 40 CFR § 257.95(g)(5). This Groundwater Monitoring and Corrective Action Report has been prepared to fulfill the requirements of USEPA CCR rule 40 CFR 257 Subpart D. Semi-annual assessment monitoring events took place in October 2023 and March 2024. Statistical evaluations of the assessment monitoring data identified SSLs of Appendix IV constituents above the GWPS. The Site remains in assessment monitoring while groundwater corrective remedies are being evaluated.

An ASD has been prepared to address SSLs of barium and radium. Additionally, vertical delineation has been evaluated at APMW-4D, APMW-5D, and APMW-10D, and results indicate that vertical delineation is considered complete at the Site. MPC will continue to characterize the nature and extent of GWPS exceedances for arsenic, lithium, and molybdenum as required by § 257.95(g)(1) and the Administrative Order and report result pursuant to the Administrative Order and § 257.90(e)(3).

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

- Semi-annual groundwater assessment monitoring, including sampling of horizontal and vertical delineation locations.
- Complete workplans and initiate treatability study to assess potential remedies at locations APMW-3, APMW-5, and APMW-6R.
- Continue optimization of the temporary groundwater remedy and enhanced source control system.
- Develop a groundwater monitoring plan to assess performance of the temporary groundwater remedy.
- Submit the next Semi-Annual Remedy Selection and Design Progress Report by September 30, 2024.
- Submit the next Semi-Annual Progress Report by September 30, 2024.

- Submit the next Annual Groundwater and Corrective Action Report by August 1, 2025.

9.0 REFERENCES

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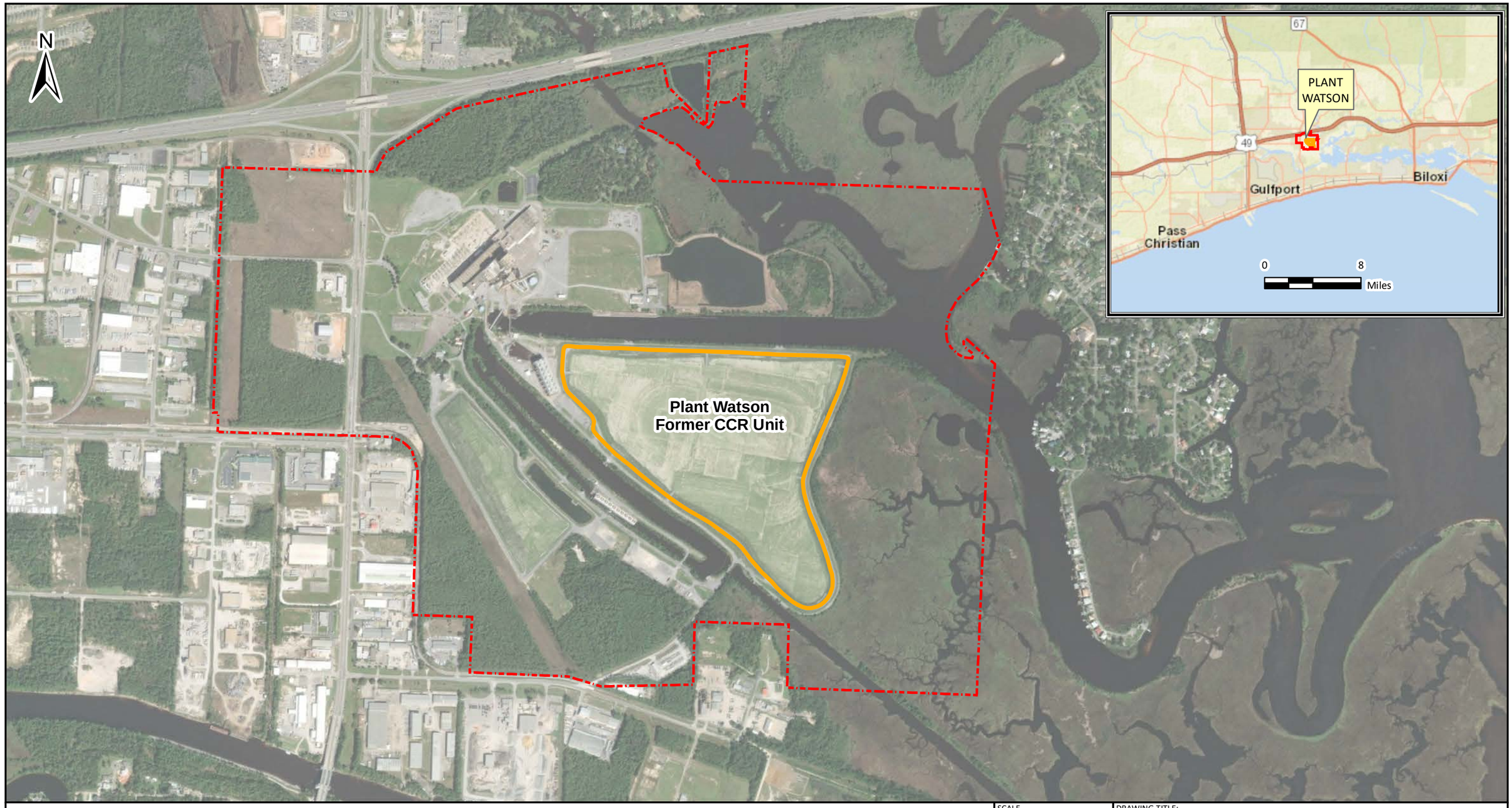
Figures



LEGEND

Plant Watson Property Boundary

CCR Unit Boundary

0 1,000 Feet

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

SCALE	1:12,000
DATE	7/9/2024
DRAWN BY	KAR
CHECKED BY	RFS

DRAWING TITLE:
SITE LOCATION MAP
PLANT WATSON
FORMER CCR UNIT

FIGURE NO.
FIGURE 1

Southern Company

LEGEND

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

0 750

Feet

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

SCALE	1:9,000
DATE	7/9/2024
DRAWN BY	KAR
CHECKED BY	RFS

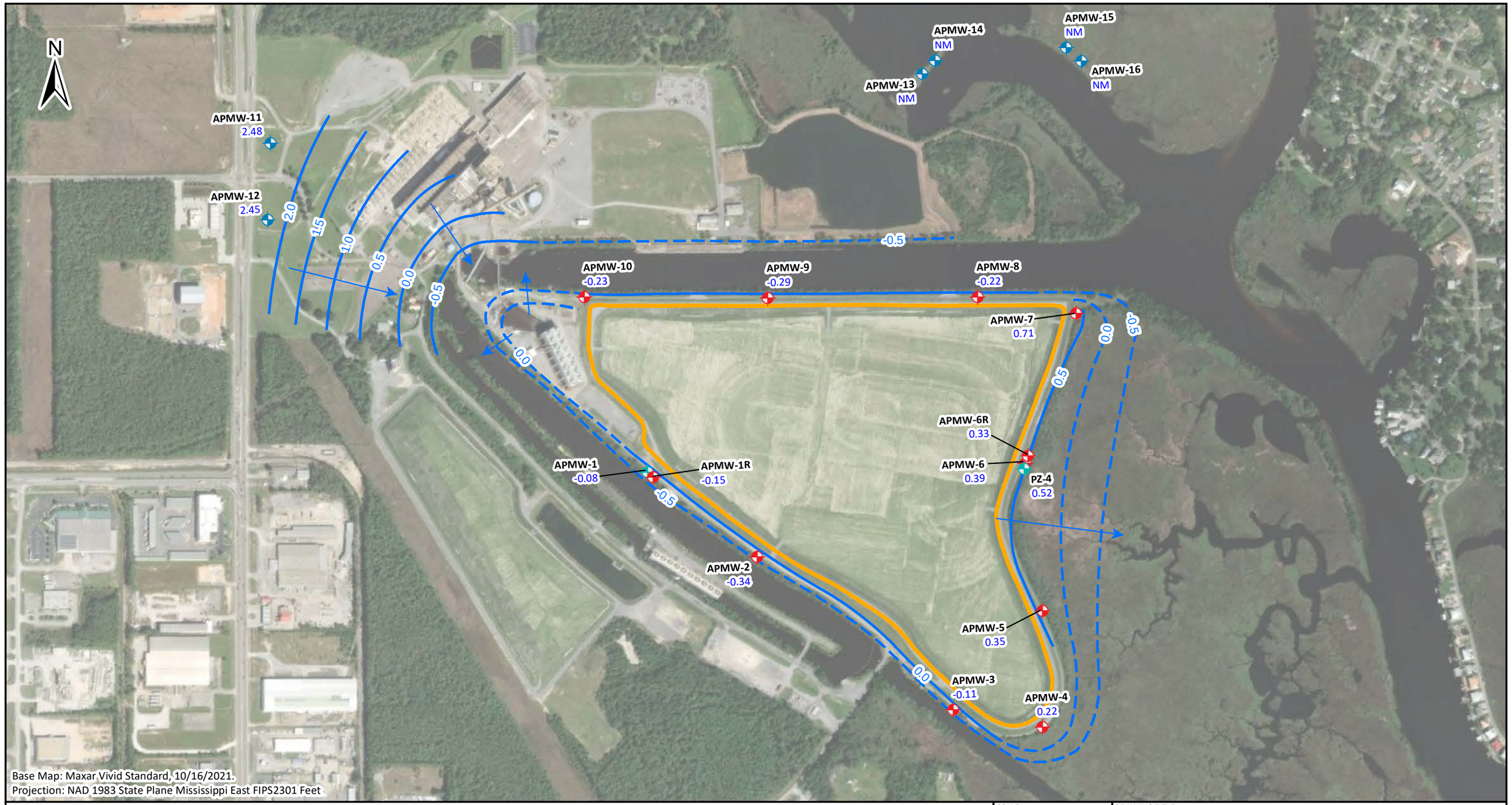
DRAWING TITLE:

MONITORING WELL NETWORK
PLANT WATSON
FORMER CCR UNIT

FIGURE NO.

FIGURE 2

Southern Company



LEGEND

- Downgradient Compliance Well
- Upgradient Compliance Well
- Piezometer
- CCR Unit Boundary
- Estimated Groundwater Elevation Contour (ft NAVD88)
- Inferred Groundwater Elevation Contour (ft NAVD88)
- Inferred Groundater Flow Direction
- **APMW-1R** Well Name
  -0.15 Groundwater Elevation (ft NAVD88)

0 600 Feet

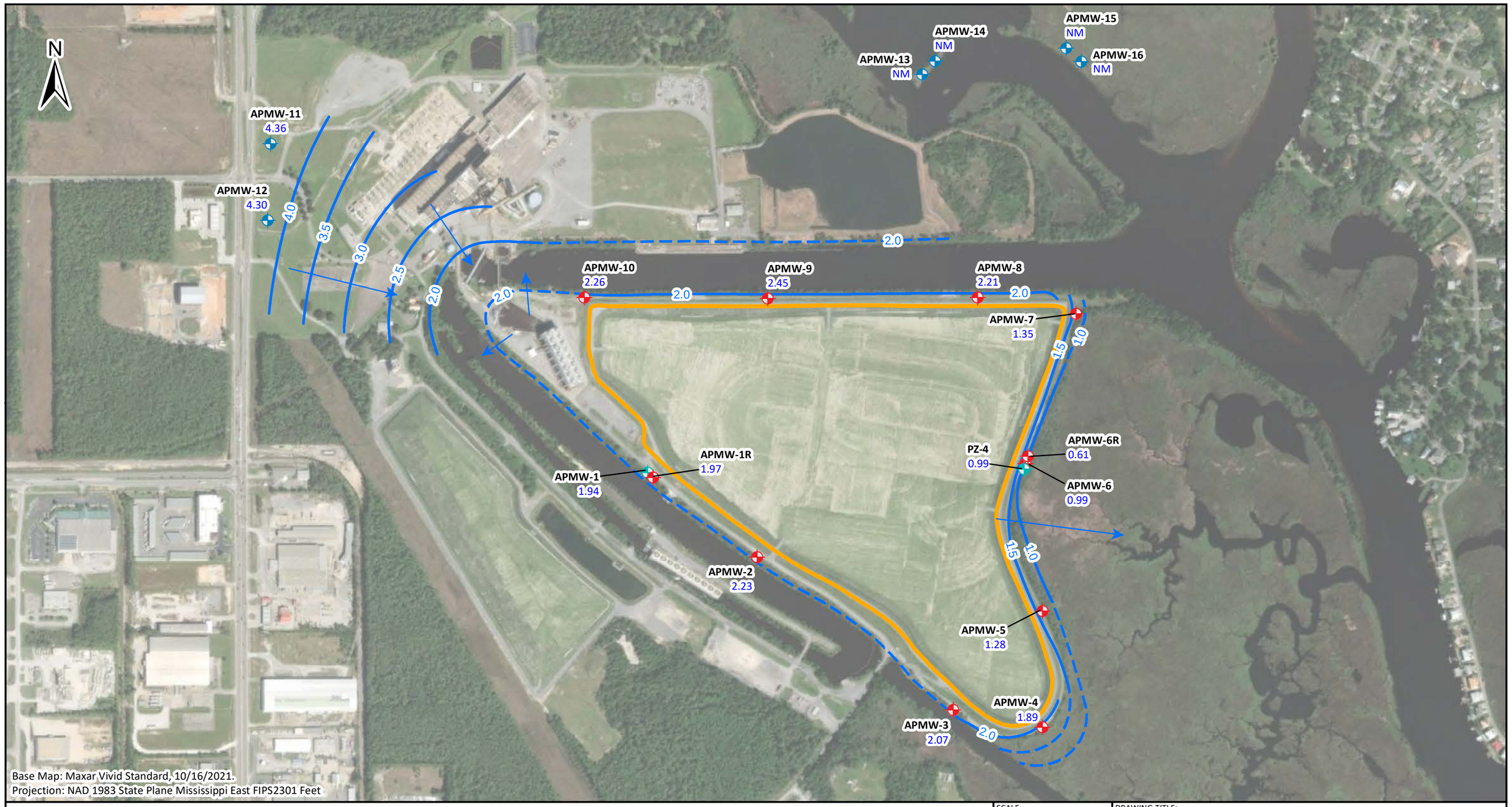
NOTES:
1. ft NAVD88 indicates feet above North American Vertical Datum of 1988.
2. NM indicates not measured.

SCALE	1:7,200
DATE	7/3/2024
DRAWN BY	KAR
CHECKED BY	RFS

DRAWING TITLE:
UNIT 3 POTENTIOMETRIC SURFACE CONTOUR MAP
OCTOBER 16, 2023
PLANT WATSON FORMER CCR UNIT

FIGURE NO.
FIGURE 3

Southern Company



LEGEND

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

0 600 Feet

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

SCALE	1:7,200
DATE	7/3/2024
DRAWN BY	KAR
CHECKED BY	RFS

DRAWING TITLE:
UNIT 3 POTENTIOMETRIC SURFACE CONTOUR MAP
MARCH 25, 2024
PLANT WATSON FORMER CCR UNIT

FIGURE NO.
FIGURE 4

Southern Company

Tables

Table 1. Groundwater Monitoring Network Details

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

Notes:

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

Table 1. Groundwater Monitoring Network Details

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

Notes:

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

Table 2. Groundwater Sampling Event Summary

Purpose of Sampling Event		SA01 2023 Assessment Monitoring	SA02 2024 Assessment Monitoring
APMW-1R	Downgradient	10/19/2023	03/25/2024
APMW-2	Downgradient	10/19/2023	03/25/2024
APMW-3	Downgradient	10/19/2023	03/25/2024
APMW-4	Downgradient	10/19/2023	03/26/2024
APMW-5	Downgradient	10/20/2023	03/26/2024
APMW-6R	Downgradient	10/20/2023	03/26/2024
APMW-7	Downgradient	10/20/2023	03/26/2024
APMW-8	Downgradient	10/20/2023	03/26/2024
APMW-9	Downgradient	10/20/2023	03/28/2024
APMW-10	Downgradient	10/21/2023	03/29/2024
APMW-11	Upgradient	10/21/2023	03/29/2024
APMW-12	Upgradient	10/21/2023	03/29/2024
APMW-13	Upgradient	10/18/2023	03/29/2024
APMW-14	Upgradient	10/18/2023	03/28/2024
APMW-15	Upgradient	10/18/2023	03/28/2024
APMW-16	Upgradient	10/18/2023	03/28/2024
APMW-2D	Vertical Delineation	10/19/2023	03/25/2024
APMW-3D	Vertical Delineation	10/19/2023	03/26/2024
APMW-4D	Vertical Delineation	10/19/2023	03/26/2024
APMW-5D	Vertical Delineation	10/20/2023	03/26/2024
APMW-6D	Vertical Delineation	10/20/2023	03/28/2024
APMW-8D	Vertical Delineation	10/20/2023	03/26/2024
APMW-10D	Vertical Delineation	10/21/2023	03/29/2024

Notes:

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

Table 3. Summary of Groundwater Elevations

Well ID	TOC Elev (ft MSL)	Depth to GW 10/16/2023 (ft BTOC)	GW Elevation 10/16/2023 (ft MSL)	Depth to GW 3/25/2024 (ft BTOC)	GW Elevation 3/25/2024 (ft MSL)
APMW-1	24.86	24.94	-0.08	22.92	1.94
APMW-1R	25.16	25.31	-0.15	23.19	1.97
APMW-2	22.58	22.92	-0.34	20.35	2.23
APMW-3	8.40	8.51	-0.11	6.33	2.07
APMW-4	13.39	13.17	0.22	11.50	1.89
APMW-5	8.68	8.33	0.35	7.40	1.28
APMW-6	8.91	8.52	0.39	7.92	0.99
APMW-6R	8.11	7.78	0.33	7.50	0.61
APMW-7	13.00	12.29	0.71	11.65	1.35
APMW-8	21.00	21.22	-0.22	18.79	2.21
APMW-9	22.41	22.70	-0.29	19.96	2.45
APMW-10	21.11	21.34	-0.23	18.85	2.26
APMW-11	22.45	19.97	2.48	18.09	4.36
APMW-12	20.06	17.61	2.45	15.76	4.30
PZ-4	7.93	7.41	0.52	6.94	0.99
APMW-13	4.49	NM	NM	NM	NM
APMW-14	4.12	NM	NM	NM	NM
APMW-15	4.25	NM	NM	NM	NM
APMW-16	4.14	NM	NM	NM	NM
APMW-2D	23.78	15.57	8.21	14.94	8.84
APMW-3D	9.77	7.91	1.86	6.64	3.13
APMW-4D	12.70	11.61	1.09	10.08	2.62
APMW-5D	10.30	8.23	2.07	8.00	2.30
APMW-6D	10.05	8.07	1.98	8.09	1.96
APMW-8D	22.23	20.59	1.64	19.79	2.44
APMW-10D	21.68	14.87	6.81	14.28	7.40

Notes:

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

Table 4. Summary of Background Levels and Groundwater Protection Standards

Analyte	Units	Background	Rule Specified GWPS	Site-Specific GWPS
Antimony	mg/L	0.002	0.006	0.006
Arsenic	mg/L	0.005	0.01	0.01
Barium	mg/L	0.25	2	2
Beryllium	mg/L	0.0025	0.004	0.004
Cadmium	mg/L	0.0025	0.005	0.005
Chromium	mg/L	0.0044	0.1	0.1
Cobalt	mg/L	0.0025	0.006	0.006
Combined Radium-226/228	pCi/L	5.86	5	5.86
Fluoride	mg/L	0.54	4	4
Lead	mg/L	0.001	0.015	0.015
Lithium	mg/L	0.023	0.04	0.04
Mercury	mg/L	0.0002	0.002	0.002
Molybdenum	mg/L	0.015	0.1	0.1
Selenium	mg/L	0.005	0.05	0.05
Thallium	mg/L	0.001	0.002	0.002

Note:

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

Appendix A

1st
Semi-Annual
Monitoring Event

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/14/2023 6:49:38 PM

JOB DESCRIPTION

Plant Watson Ash Pond

JOB NUMBER

180-164215-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

Eurofins Pittsburgh

Job Notes

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

PA Lab ID: 02-00416

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

Authorization

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11/14/2023 6:49:38 PM

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

Table of Contents

Job ID: 180-164215-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-164215-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt
The samples were received on 10/20/2023 9:20 AM, 10/21/2023 9:05 AM and 10/24/2023 10:28 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 1.3°C, 1.5°C, 2.1°C, 2.3°C, 2.5°C, 3.5°C and 4.6°C

HPLC/IC
Method 300_ORGFM_28D: The following samples were diluted due to the nature of the sample matrix: APMW-16 (180-164215-1), APMW-15 (180-164215-2), APMW-14 (180-164215-3), APMW-13 (180-164215-4), DUP-01 (180-164215-6), APMW-4D (180-164261-1) and APMW-4 (180-164261-2) at 10.0, 10.0, 10.0, 5.0, 10.0, 10.0 and 5.0. Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D: The following sample was diluted to bring the concentration of target analytes within the calibration range: DUP-02 (180-164215-7). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D: The following sample was diluted to bring the concentration of target analytes within the calibration range: APMW-1R (180-164215-5). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D: The following sample was diluted due to the nature of the sample matrix: APMW-3 (180-164215-10). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D: The following sample was diluted to bring the concentration of target analytes within the calibration range: APMW-3 (180-164215-10). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D: The following sample was diluted due to the nature of the sample matrix: APMW-2 (180-164215-9). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D: The following sample was diluted to bring the concentration of target analytes within the calibration range: APMW-2 (180-164215-9). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D: The following sample was diluted to bring the concentration of target analytes within the calibration range: APMW-7 (180-164261-7). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D: The following sample was diluted to bring the concentration of target analytes within the calibration range: APMW-6R (180-164261-6). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D: The following sample was diluted to bring the concentration of target analytes within the calibration range: DUP-03 (180-164261-9). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D: The following sample was diluted to bring the concentration of target analytes within the calibration range: APMW-8 (180-164261-8). Elevated reporting limits (RLs) are provided.

Job ID: 180-164215-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

Method 300_ORGFM_28D: The following sample was diluted due to the nature of the sample matrix: APMW-5 (180-164261-4). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D: The following sample was diluted to bring the concentration of target analytes within the calibration range: APMW-5 (180-164261-4). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D: The matrix spike duplicate (MSD) recoveries for analytical batch 180-450167 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300_ORGFM_28D: The following sample was diluted to bring the concentration of target analytes within the calibration range: APMW-9 (180-164294-2). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D: The following sample was diluted due to the nature of the sample matrix: DUP-04 (180-164294-9). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D: The matrix spike (MS) recoveries for analytical batch 180-450167 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300_ORGFM_28D: The following sample was diluted due to the nature of the sample matrix: APMW-10 (180-164294-3). Elevated reporting limits (RLs) are provided.

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

Metals

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

General Chemistry

Method 2540C_Calcd: The sample did not reach a stable weight following 3 cycles of heating, cooling, and desiccation. The cycle 3 weight was used to calculate the Total Dissolved Solids (TDS) for the sample result. APMW-16 (180-164215-1), APMW-15 (180-164215-2), APMW-14 (180-164215-3) and DUP-01 (180-164215-6)

Method 2540C_Calcd: The sample did not reach a stable weight following 3 cycles of heating, cooling, and desiccation. The cycle 3 weight was used to calculate the Total Dissolved Solids (TDS) for the sample result. APMW-2 (180-164215-9), APMW-4D (180-164261-1) and APMW-4 (180-164261-2)

Method 2540C_Calcd: The sample did not reach a stable weight following 3 cycles of heating, cooling, and desiccation. The cycle 3 weight was used to calculate the Total Dissolved Solids (TDS) for the sample result. APMW-5 (180-164261-4), APMW-6R (180-164261-6), APMW-8 (180-164261-8), DUP-03 (180-164261-9) and APMW-9 (180-164294-2)

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

Field Service / Mobile Lab

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

Definitions/Glossary

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

Job ID: 180-164215-1

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

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

Glossary

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

Accreditation/Certification Summary

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

Job ID: 180-164215-1

Laboratory: Eurofins Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	19-033-0	06-27-24
California	State	2891	04-30-24
Connecticut	State	PH-0688	09-30-24
Florida	NELAP	E871008	06-30-24
Georgia	State	PA 02-00416	04-30-24
Illinois	NELAP	004375	06-30-24
Kansas	NELAP	E-10350	01-31-24
Kentucky (UST)	State	162013	04-30-23 *
Kentucky (WW)	State	KY98043	12-31-23
Louisiana	NELAP	04041	06-30-22 *
Louisiana (All)	NELAP	04041	06-30-24
Maine	State	PA00164	03-06-24
Minnesota	NELAP	042-999-482	12-31-23
New Hampshire	NELAP	2030	04-04-24
New Jersey	NELAP	PA005	06-30-24
New York	NELAP	11182	04-01-24
North Carolina (WW/SW)	State	434	12-31-23
North Dakota	State	R-227	04-30-24
Oregon	NELAP	PA-2151	02-06-24
Pennsylvania	NELAP	02-00416	04-30-24
Rhode Island	State	LAO00362	12-31-22 *
South Carolina	State	89014	04-30-23 *
Texas	NELAP	T104704528	03-31-24
US Fish & Wildlife	US Federal Programs	058448	03-31-24
USDA	US Federal Programs	P330-16-00211	04-11-26
Utah	NELAP	PA001462019-8	05-31-24
Virginia	NELAP	10043	07-14-24
West Virginia DEP	State	142	01-31-24
Wisconsin	State	998027800	08-31-24

Laboratory: Eurofins Savannah

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

Authority	Program	Identification Number	Expiration Date
	AFCEE	SAVLAB	
Alabama	State	41450	06-30-24
ANAB	Dept. of Defense ELAP	L2463	09-22-24
Arkansas DEQ	State	19-015-0	02-01-24
California	State	2939	06-30-24
Florida	NELAP	E87052	11-09-23
Georgia	State	E87052	06-30-24
Georgia (DW)	State	803	06-30-24
Guam	State	19-007R	04-17-24
Hawaii	State	<cert No.>	06-30-24
Illinois	NELAP	200022	11-30-23
Indiana	State	C-GA-02	06-30-24
Iowa	State	353	07-01-25
Kentucky (UST)	State	NA	06-30-24
Louisiana	NELAP	30690	06-30-24
Louisiana (All)	NELAP	30690	06-30-24

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

Accreditation/Certification Summary

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

Job ID: 180-164215-1

Laboratory: Eurofins Savannah (Continued)

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

Authority	Program	Identification Number	Expiration Date
Louisiana (DW)	State	LA009	12-31-23
Maine	State	GA00006	09-25-24
Maryland	State	250	12-31-23
Massachusetts	State	M-GA006	06-30-24
Michigan	State	9925	06-30-24
Mississippi	State	<cert No.>	06-30-24
Nebraska	State	NE-OS-7-04	06-30-24
New Jersey	NELAP	GA769	06-30-24
New Mexico	State	GA00006	06-30-24
North Carolina (DW)	State	13701	07-31-24
North Carolina (WW/SW)	State	269	12-31-23
Pennsylvania	NELAP	68-00474	06-30-24
Puerto Rico	State	GA00006	01-01-24
South Carolina	State	98001	06-30-24
Tennessee	State	TN02961	06-30-24
Texas	NELAP	T1047004185	11-30-23
Texas	TCEQ Water Supply	T104704185	06-30-24
USDA	US Federal Programs	P330-18-00313	09-03-24
Virginia	NELAP	460161	06-14-24
Wyoming	State	8TMS-L	06-30-24

Sample Summary

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

Job ID: 180-164215-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-164215-1	APMW-16	Water	10/18/23 09:38	10/20/23 09:20
180-164215-2	APMW-15	Water	10/18/23 10:51	10/20/23 09:20
180-164215-3	APMW-14	Water	10/18/23 12:49	10/20/23 09:20
180-164215-4	APMW-13	Water	10/18/23 14:06	10/20/23 09:20
180-164215-5	APMW-1R	Water	10/19/23 09:00	10/20/23 09:20
180-164215-6	DUP-01	Water	10/18/23 11:49	10/20/23 09:20
180-164215-7	DUP-02	Water	10/19/23 08:00	10/20/23 09:20
180-164215-8	APMW-2D	Water	10/19/23 10:18	10/20/23 09:20
180-164215-9	APMW-2	Water	10/19/23 11:31	10/20/23 09:20
180-164215-10	APMW-3	Water	10/19/23 12:47	10/20/23 09:20
180-164215-11	APMW-3D	Water	10/19/23 13:58	10/20/23 09:20
180-164215-12	EB-01	Water	10/19/23 13:05	10/20/23 09:20
180-164215-13	FB-01	Water	10/19/23 13:00	10/20/23 09:20
180-164261-1	APMW-4D	Water	10/19/23 16:39	10/21/23 09:05
180-164261-2	APMW-4	Water	10/19/23 17:44	10/21/23 09:05
180-164261-3	APMW-5D	Water	10/20/23 09:06	10/21/23 09:05
180-164261-4	APMW-5	Water	10/20/23 10:17	10/21/23 09:05
180-164261-5	APMW-6D	Water	10/20/23 11:47	10/21/23 09:05
180-164261-6	APMW-6R	Water	10/20/23 12:45	10/21/23 09:05
180-164261-7	APMW-7	Water	10/20/23 14:08	10/21/23 09:05
180-164261-8	APMW-8	Water	10/20/23 15:03	10/21/23 09:05
180-164261-9	DUP-03	Water	10/20/23 09:17	10/21/23 09:05
180-164261-10	FB-02	Water	10/20/23 11:40	10/21/23 09:05
180-164261-11	EB-02	Water	10/20/23 12:10	10/21/23 09:05
180-164294-1	APMW-8D	Water	10/20/23 17:23	10/24/23 10:28
180-164294-2	APMW-9	Water	10/20/23 18:23	10/24/23 10:28
180-164294-3	APMW-10	Water	10/21/23 08:15	10/24/23 10:28
180-164294-4	APMW-10D	Water	10/21/23 09:11	10/24/23 10:28
180-164294-5	APMW-11	Water	10/21/23 10:25	10/24/23 10:28
180-164294-6	APMW-12	Water	10/21/23 11:26	10/24/23 10:28
180-164294-7	FB-03	Water	10/21/23 09:47	10/24/23 10:28
180-164294-8	EB-03	Water	10/21/23 09:52	10/24/23 10:28
180-164294-9	DUP-04	Water	10/21/23 07:15	10/24/23 10:28

Method Summary

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

Job ID: 180-164215-1

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

Protocol References:

EPA = US Environmental Protection Agency

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

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

Laboratory References:

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

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

Lab Chronicle

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

Job ID: 180-164215-1

Client Sample ID: APMW-16
Date Collected: 10/18/23 09:38
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	450036	10/24/23 16:51	AM	EET PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	300.0		10	1 mL	1 mL	450036	10/24/23 17:50	AM	EET PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	125 mL	804417	10/25/23 06:36	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804906	10/26/23 16:20	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			25 mL	25 mL	449847	10/23/23 09:30	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450092	10/24/23 12:43	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	15 mL	100 mL	450221	10/25/23 14:54	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			451729	10/18/23 09:38	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-15
Date Collected: 10/18/23 10:51
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	450036	10/24/23 17:06	AM	EET PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	300.0		10	1 mL	1 mL	450036	10/24/23 18:05	AM	EET PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	125 mL	804417	10/25/23 06:36	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804906	10/26/23 16:24	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			25 mL	25 mL	449847	10/23/23 09:30	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450092	10/24/23 12:46	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	15 mL	100 mL	450221	10/25/23 14:54	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			451729	10/18/23 10:51	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-14
Date Collected: 10/18/23 12:49
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	450036	10/24/23 20:19	AM	EET PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	300.0		10	1 mL	1 mL	450036	10/24/23 20:48	AM	EET PIT
	Instrument ID: CHICS2100B									

Lab Chronicle

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

Job ID: 180-164215-1

Client Sample ID: APMW-14

Date Collected: 10/18/23 12:49
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	804417	10/25/23 06:36	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804906	10/26/23 16:36	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			25 mL	25 mL	449847	10/23/23 09:30	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450092	10/24/23 12:48	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	15 mL	100 mL	450221	10/25/23 14:54	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			451729	10/18/23 12:49	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-13

Date Collected: 10/18/23 14:06
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	450036	10/24/23 17:36	AM	EET PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	300.0		5	1 mL	1 mL	450036	10/24/23 18:35	AM	EET PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	125 mL	804417	10/25/23 06:36	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804906	10/26/23 16:40	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			25 mL	25 mL	449847	10/23/23 09:30	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450092	10/24/23 12:49	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	25 mL	100 mL	450221	10/25/23 14:54	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			451729	10/18/23 14:06	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-1R

Date Collected: 10/19/23 09:00
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	450035	10/25/23 04:42	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	300.0		5	1 mL	1 mL	450035	10/25/23 04:55	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	125 mL	804417	10/25/23 06:36	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804906	10/26/23 16:44	BWR	EET SAV
	Instrument ID: ICPMSC									

Client Sample ID: APMW-1R

Lab Sample ID: 180-164215-5

Date Collected: 10/19/23 09:00

Matrix: Water

Date Received: 10/20/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			25 mL	25 mL	449847	10/23/23 09:30	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450092	10/24/23 12:50	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	20 mL	100 mL	450221	10/25/23 14:54	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			451729	10/19/23 09:00	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-01

Lab Sample ID: 180-164215-6

Date Collected: 10/18/23 11:49

Matrix: Water

Date Received: 10/20/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	450036	10/24/23 22:32	AM	EET PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	300.0		10	1 mL	1 mL	450036	10/24/23 22:46	AM	EET PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	125 mL	804417	10/25/23 06:36	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804906	10/26/23 16:48	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			25 mL	25 mL	449847	10/23/23 09:30	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450092	10/24/23 12:51	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	15 mL	100 mL	450221	10/25/23 14:54	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-02

Lab Sample ID: 180-164215-7

Date Collected: 10/19/23 08:00

Matrix: Water

Date Received: 10/20/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	450035	10/25/23 04:14	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	300.0		10	1 mL	1 mL	450035	10/25/23 04:28	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	125 mL	804417	10/25/23 06:36	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804906	10/26/23 16:52	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			25 mL	25 mL	449847	10/23/23 09:30	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450092	10/24/23 13:01	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	20 mL	100 mL	450244	10/25/23 18:55	LWM	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-164215-1

Client Sample ID: APMW-2D

Date Collected: 10/19/23 10:18
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	450035	10/25/23 03:32	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	125 mL	804417	10/25/23 06:36	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804906	10/26/23 16:56	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			25 mL	25 mL	449847	10/23/23 09:30	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450092	10/24/23 13:02	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	450244	10/25/23 18:55	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			451729	10/19/23 10:18	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-2

Date Collected: 10/19/23 11:31
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2.5	1 mL	1 mL	450035	10/25/23 07:01	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	300.0		25	1 mL	1 mL	450035	10/25/23 07:15	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	125 mL	804417	10/25/23 06:36	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804906	10/26/23 17:00	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			25 mL	25 mL	449847	10/23/23 09:30	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450092	10/24/23 13:03	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	25 mL	100 mL	450244	10/25/23 18:55	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			451729	10/19/23 11:31	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-3

Date Collected: 10/19/23 12:47
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2.5	1 mL	1 mL	450035	10/25/23 05:37	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	300.0		25	1 mL	1 mL	450035	10/25/23 05:51	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	125 mL	804417	10/25/23 06:36	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804906	10/26/23 17:08	BWR	EET SAV
	Instrument ID: ICPMSC									

Lab Chronicle

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

Job ID: 180-164215-1

Client Sample ID: APMW-3
Date Collected: 10/19/23 12:47
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			25 mL	25 mL	449847	10/23/23 09:30	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450092	10/24/23 13:04	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	450244	10/25/23 18:55	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			451729	10/19/23 12:47	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-3D
Date Collected: 10/19/23 13:58
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	450035	10/24/23 14:19	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	125 mL	804417	10/25/23 06:36	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804906	10/26/23 17:12	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			25 mL	25 mL	449847	10/23/23 09:30	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450092	10/24/23 13:05	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	450244	10/25/23 18:55	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			451729	10/19/23 13:58	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: EB-01
Date Collected: 10/19/23 13:05
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	450035	10/24/23 15:01	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	125 mL	804417	10/25/23 06:36	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804906	10/26/23 17:25	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			25 mL	25 mL	449847	10/23/23 09:30	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450092	10/24/23 13:07	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	450244	10/25/23 18:55	LWM	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-164215-1

Client Sample ID: FB-01

Lab Sample ID: 180-164215-13
Matrix: Water
Date Collected: 10/19/23 13:00
Date Received: 10/20/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	450035	10/24/23 15:15	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	125 mL	804417	10/25/23 06:36	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804906	10/26/23 17:04	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			25 mL	25 mL	449847	10/23/23 09:30	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450092	10/24/23 13:08	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	450244	10/25/23 18:55	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-4D

Lab Sample ID: 180-164261-1
Matrix: Water
Date Collected: 10/19/23 16:39
Date Received: 10/21/23 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	450036	10/24/23 20:04	AM	EET PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	300.0		10	1 mL	1 mL	450036	10/24/23 20:33	AM	EET PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	125 mL	804419	10/25/23 06:36	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804717	10/25/23 21:30	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			25 mL	25 mL	449971	10/24/23 09:30	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450092	10/24/23 14:26	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	450244	10/25/23 18:55	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			451744	10/19/23 16:39	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-4

Lab Sample ID: 180-164261-2
Matrix: Water
Date Collected: 10/19/23 17:44
Date Received: 10/21/23 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	450036	10/24/23 17:21	AM	EET PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	300.0		5	1 mL	1 mL	450036	10/24/23 18:20	AM	EET PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	125 mL	804419	10/25/23 06:36	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804717	10/25/23 21:34	BWR	EET SAV
	Instrument ID: ICPMSC									

Lab Chronicle

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

Job ID: 180-164215-1

Client Sample ID: APMW-4

Date Collected: 10/19/23 17:44
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			25 mL	25 mL	449971	10/24/23 09:30	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450092	10/24/23 14:30	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	25 mL	100 mL	450244	10/25/23 18:55	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			451744	10/19/23 17:44	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-5D

Date Collected: 10/20/23 09:06
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	450035	10/24/23 23:34	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	125 mL	804419	10/25/23 06:36	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804717	10/25/23 21:38	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			25 mL	25 mL	449971	10/24/23 09:30	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450092	10/24/23 14:31	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	450347	10/26/23 17:51	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			451744	10/20/23 09:06	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-5

Date Collected: 10/20/23 10:17
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2.5	1 mL	1 mL	450035	10/25/23 06:05	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	300.0		25	1 mL	1 mL	450035	10/25/23 06:19	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	125 mL	804419	10/25/23 06:36	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804717	10/25/23 21:42	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			25 mL	25 mL	449971	10/24/23 09:30	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450092	10/24/23 14:32	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	450347	10/26/23 17:51	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			451744	10/20/23 10:17	FDS	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-164215-1

Client Sample ID: APMW-6D

Date Collected: 10/20/23 11:47
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	450035	10/24/23 21:36	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	125 mL	804419	10/25/23 06:36	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804717	10/25/23 21:54	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			25 mL	25 mL	449971	10/24/23 09:30	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450092	10/24/23 14:33	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	450347	10/26/23 17:51	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			451744	10/20/23 11:47	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-6R

Date Collected: 10/20/23 12:45
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	450035	10/25/23 01:27	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	300.0		10	1 mL	1 mL	450035	10/25/23 01:41	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	125 mL	804419	10/25/23 06:36	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804717	10/25/23 21:58	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	804419	10/25/23 06:36	RR	EET SAV
Total Recoverable	Analysis	6020B		10			804906	10/26/23 14:30	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			25 mL	25 mL	449971	10/24/23 09:30	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450092	10/24/23 14:34	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	10 mL	100 mL	450347	10/26/23 17:51	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			451744	10/20/23 12:45	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-7

Date Collected: 10/20/23 14:08
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	450035	10/25/23 00:17	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	300.0		10	1 mL	1 mL	450035	10/25/23 00:31	M1D	EET PIT
	Instrument ID: CHIC2100A									

Lab Chronicle

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

Job ID: 180-164215-1

Client Sample ID: APMW-7

Date Collected: 10/20/23 14:08
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	804419	10/25/23 06:36	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804717	10/25/23 22:03	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	804419	10/25/23 06:36	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804906	10/26/23 14:34	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			25 mL	25 mL	449971	10/24/23 09:30	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450092	10/24/23 14:38	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	10 mL	100 mL	450347	10/26/23 17:51	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			451744	10/20/23 14:08	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-8

Date Collected: 10/20/23 15:03
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	450035	10/25/23 05:09	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	300.0		10	1 mL	1 mL	450035	10/25/23 05:23	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	125 mL	804419	10/25/23 06:36	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804717	10/25/23 22:07	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	804419	10/25/23 06:36	RR	EET SAV
Total Recoverable	Analysis	6020B		20			804906	10/26/23 14:38	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			25 mL	25 mL	449971	10/24/23 09:30	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450092	10/24/23 14:39	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	10 mL	100 mL	450347	10/26/23 17:51	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			451744	10/20/23 15:03	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-03

Date Collected: 10/20/23 09:17
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	450035	10/25/23 03:04	M1D	EET PIT
	Instrument ID: CHIC2100A									

Client Sample ID: DUP-03

Lab Sample ID: 180-164261-9

Date Collected: 10/20/23 09:17

Matrix: Water

Date Received: 10/21/23 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	450035	10/25/23 03:18	M1D	EET PIT
Total Recoverable	Prep	3005A			25 mL	125 mL	804419	10/25/23 06:36	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804717	10/25/23 22:11	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	804419	10/25/23 06:36	RR	EET SAV
Total Recoverable	Analysis	6020B		10			804906	10/26/23 14:42	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			25 mL	25 mL	449971	10/24/23 09:30	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450092	10/24/23 14:40	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	450347	10/26/23 17:51	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: FB-02

Lab Sample ID: 180-164261-10

Date Collected: 10/20/23 11:40

Matrix: Water

Date Received: 10/21/23 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	450035	10/24/23 23:49	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	125 mL	804419	10/25/23 06:36	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804717	10/25/23 22:15	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	804419	10/25/23 06:36	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804906	10/26/23 14:46	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			25 mL	25 mL	449971	10/24/23 09:30	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450092	10/24/23 14:41	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	450347	10/26/23 17:51	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: EB-02

Lab Sample ID: 180-164261-11

Date Collected: 10/20/23 12:10

Matrix: Water

Date Received: 10/21/23 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	450035	10/25/23 00:04	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	125 mL	804419	10/25/23 06:36	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804717	10/25/23 22:19	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	804419	10/25/23 06:36	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804906	10/26/23 14:50	BWR	EET SAV
	Instrument ID: ICPMSC									

Lab Chronicle

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

Job ID: 180-164215-1

Client Sample ID: EB-02

Date Collected: 10/20/23 12:10
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			25 mL	25 mL	449971	10/24/23 09:30	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450092	10/24/23 14:42	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	450347	10/26/23 17:51	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-8D

Date Collected: 10/20/23 17:23
Date Received: 10/24/23 10:28

Lab Sample ID: 180-164294-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	450167	10/25/23 13:58	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	125 mL	804904	10/27/23 07:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			805227	10/28/23 00:49	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			25 mL	25 mL	450146	10/25/23 08:45	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450333	10/26/23 12:37	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	450347	10/26/23 17:51	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			451746	10/20/23 17:23	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-9

Date Collected: 10/20/23 18:23
Date Received: 10/24/23 10:28

Lab Sample ID: 180-164294-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	450167	10/25/23 15:23	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	300.0		10	1 mL	1 mL	450167	10/25/23 15:38	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	125 mL	804904	10/27/23 07:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			805227	10/28/23 00:53	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			25 mL	25 mL	450146	10/25/23 08:45	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450333	10/26/23 12:40	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	15 mL	100 mL	450347	10/26/23 17:51	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			451746	10/20/23 18:23	FDS	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-164215-1

Client Sample ID: APMW-10
Date Collected: 10/21/23 08:15
Date Received: 10/24/23 10:28

Lab Sample ID: 180-164294-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2.5	1 mL	1 mL	450167	10/25/23 18:15	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	125 mL	804904	10/27/23 07:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			805227	10/28/23 00:57	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			25 mL	25 mL	450146	10/25/23 08:45	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450333	10/26/23 12:41	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	50 mL	100 mL	450347	10/26/23 17:51	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			451746	10/21/23 08:15	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-10D
Date Collected: 10/21/23 09:11
Date Received: 10/24/23 10:28

Lab Sample ID: 180-164294-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	450167	10/25/23 17:30	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	125 mL	804904	10/27/23 07:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			805227	10/28/23 01:01	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			25 mL	25 mL	450146	10/25/23 08:45	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450333	10/26/23 12:42	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	450347	10/26/23 17:51	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			451746	10/21/23 09:11	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-11
Date Collected: 10/21/23 10:25
Date Received: 10/24/23 10:28

Lab Sample ID: 180-164294-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	450167	10/25/23 16:21	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	125 mL	804904	10/27/23 07:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			805227	10/28/23 01:05	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			25 mL	25 mL	450146	10/25/23 08:45	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450333	10/26/23 12:43	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: APMW-11

Lab Sample ID: 180-164294-5

Date Collected: 10/21/23 10:25

Matrix: Water

Date Received: 10/24/23 10:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	450347	10/26/23 17:51	LWM	EET PIT
Total/NA	Analysis	Field Sampling		1			451746	10/21/23 10:25	FDS	EET PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: APMW-12

Lab Sample ID: 180-164294-6

Date Collected: 10/21/23 11:26

Matrix: Water

Date Received: 10/24/23 10:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	450167	10/25/23 16:35	M1D	EET PIT
	Instrument ID:	CHIC2100A								
Total Recoverable	Prep	3005A			25 mL	125 mL	804904	10/27/23 07:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			805227	10/28/23 01:17	BWR	EET SAV
	Instrument ID:	ICPMSC								
Total/NA	Prep	7470A			25 mL	25 mL	450146	10/25/23 08:45	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450333	10/26/23 12:44	MTW	EET PIT
	Instrument ID:	HGZ								
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	450347	10/26/23 17:51	LWM	EET PIT
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	Field Sampling		1			451746	10/21/23 11:26	FDS	EET PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: FB-03

Lab Sample ID: 180-164294-7

Date Collected: 10/21/23 09:47

Matrix: Water

Date Received: 10/24/23 10:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	450167	10/25/23 16:49	M1D	EET PIT
	Instrument ID:	CHIC2100A								
Total Recoverable	Prep	3005A			25 mL	125 mL	804904	10/27/23 07:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			805227	10/28/23 01:21	BWR	EET SAV
	Instrument ID:	ICPMSC								
Total/NA	Prep	7470A			25 mL	25 mL	450146	10/25/23 08:45	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450333	10/26/23 12:49	MTW	EET PIT
	Instrument ID:	HGZ								
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	450347	10/26/23 17:51	LWM	EET PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: EB-03

Lab Sample ID: 180-164294-8

Date Collected: 10/21/23 09:52

Matrix: Water

Date Received: 10/24/23 10:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	450167	10/25/23 17:03	M1D	EET PIT
	Instrument ID:	CHIC2100A								

Lab Chronicle

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

Job ID: 180-164215-1

Client Sample ID: EB-03

Date Collected: 10/21/23 09:52
Date Received: 10/24/23 10:28

Lab Sample ID: 180-164294-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	804904	10/27/23 07:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			805227	10/28/23 01:25	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			25 mL	25 mL	450146	10/25/23 08:45	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450333	10/26/23 12:50	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	450347	10/26/23 17:51	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-04

Date Collected: 10/21/23 07:15
Date Received: 10/24/23 10:28

Lab Sample ID: 180-164294-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2.5	1 mL	1 mL	450167	10/25/23 17:17	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	125 mL	804904	10/27/23 07:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			805227	10/28/23 01:29	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			25 mL	25 mL	450146	10/25/23 08:45	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450333	10/26/23 12:51	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	50 mL	100 mL	450347	10/26/23 17:51	LWM	EET PIT
	Instrument ID: NOEQUIP									

Laboratory References:

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

Analyst References:

Lab: EET PIT
- Batch Type: Prep
  - MTW = Michael Wesoloski
- Batch Type: Analysis
  - AM = Adzuira Musule
  - FDS = Sampler Field
  - LWM = Leslie McIntire
  - M1D = Maureen Donlin
  - MTW = Michael Wesoloski

Lab: EET SAV
- Batch Type: Prep
  - RR = Robert Rancourt
- Batch Type: Analysis
  - BWR = Bryn Robertson

Client Sample Results

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

Job ID: 180-164215-1

Client Sample ID: APMW-16

Date Collected: 10/18/23 09:38
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-1

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3200**		10	7.1	mg/L			10/24/23 17:50	10
Fluoride	**0.15**	**J**	0.20	0.026	mg/L			10/24/23 16:51	1
Sulfate	**88**		1.0	0.76	mg/L			10/24/23 16:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0016**	**J**	0.015	0.00086	mg/L		10/25/23 06:36	10/26/23 16:20	1
Barium	**0.082**		0.025	0.00089	mg/L		10/25/23 06:36	10/26/23 16:20	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 06:36	10/26/23 16:20	1
Boron	**0.71**		0.50	0.022	mg/L		10/25/23 06:36	10/26/23 16:20	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 06:36	10/26/23 16:20	1
Calcium	**73**		2.5	0.14	mg/L		10/25/23 06:36	10/26/23 16:20	1
Chromium	**0.0037**	**J**	0.025	0.0012	mg/L		10/25/23 06:36	10/26/23 16:20	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/25/23 06:36	10/26/23 16:20	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/25/23 06:36	10/26/23 16:20	1
Lead	<0.00021		0.013	0.00021	mg/L		10/25/23 06:36	10/26/23 16:20	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 06:36	10/26/23 16:20	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 06:36	10/26/23 16:20	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 06:36	10/26/23 16:20	1
Lithium	**0.0081**	**J**	0.025	0.0020	mg/L		10/25/23 06:36	10/26/23 16:20	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/23/23 09:30	10/24/23 12:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**5300**		67	67	mg/L			10/25/23 14:54	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.51**				SU			10/18/23 09:38	1

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

Job ID: 180-164215-1

Client Sample ID: APMW-15

Date Collected: 10/18/23 10:51
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-2

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2900**		10	7.1	mg/L			10/24/23 18:05	10
Fluoride	**0.12**	**J**	0.20	0.026	mg/L			10/24/23 17:06	1
Sulfate	**80**		1.0	0.76	mg/L			10/24/23 17:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00094**	**J**	0.015	0.00086	mg/L		10/25/23 06:36	10/26/23 16:24	1
Barium	**0.048**		0.025	0.00089	mg/L		10/25/23 06:36	10/26/23 16:24	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 06:36	10/26/23 16:24	1
Boron	**0.72**		0.50	0.022	mg/L		10/25/23 06:36	10/26/23 16:24	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 06:36	10/26/23 16:24	1
Calcium	**61**		2.5	0.14	mg/L		10/25/23 06:36	10/26/23 16:24	1
Chromium	**0.0021**	**J**	0.025	0.0012	mg/L		10/25/23 06:36	10/26/23 16:24	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/25/23 06:36	10/26/23 16:24	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/25/23 06:36	10/26/23 16:24	1
Lead	<0.00021		0.013	0.00021	mg/L		10/25/23 06:36	10/26/23 16:24	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 06:36	10/26/23 16:24	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 06:36	10/26/23 16:24	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 06:36	10/26/23 16:24	1
Lithium	**0.0082**	**J**	0.025	0.0020	mg/L		10/25/23 06:36	10/26/23 16:24	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/23/23 09:30	10/24/23 12:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**5000**		67	67	mg/L			10/25/23 14:54	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.48**				SU			10/18/23 10:51	1

Client Sample Results

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

Job ID: 180-164215-1

Client Sample ID: APMW-14

Date Collected: 10/18/23 12:49
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-3

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3200**		10	7.1	mg/L			10/24/23 20:48	10
Fluoride	**0.076**	**J**	0.20	0.026	mg/L			10/24/23 20:19	1
Sulfate	**690**		1.0	0.76	mg/L			10/24/23 20:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/25/23 06:36	10/26/23 16:36	1
Barium	**0.25**		0.025	0.00089	mg/L		10/25/23 06:36	10/26/23 16:36	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 06:36	10/26/23 16:36	1
Boron	**0.77**		0.50	0.022	mg/L		10/25/23 06:36	10/26/23 16:36	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 06:36	10/26/23 16:36	1
Calcium	**130**		2.5	0.14	mg/L		10/25/23 06:36	10/26/23 16:36	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/25/23 06:36	10/26/23 16:36	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/25/23 06:36	10/26/23 16:36	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/25/23 06:36	10/26/23 16:36	1
Lead	<0.00021		0.013	0.00021	mg/L		10/25/23 06:36	10/26/23 16:36	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 06:36	10/26/23 16:36	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 06:36	10/26/23 16:36	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 06:36	10/26/23 16:36	1
Lithium	<0.0020		0.025	0.0020	mg/L		10/25/23 06:36	10/26/23 16:36	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/23/23 09:30	10/24/23 12:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**6200**		67	67	mg/L			10/25/23 14:54	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.16**				SU			10/18/23 12:49	1

Client Sample Results

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

Job ID: 180-164215-1

Client Sample ID: APMW-13

Date Collected: 10/18/23 14:06
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-4

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1300**		5.0	3.6	mg/L			10/24/23 18:35	5
Fluoride	**0.11**	**J**	0.20	0.026	mg/L			10/24/23 17:36	1
Sulfate	**750**		1.0	0.76	mg/L			10/24/23 17:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/25/23 06:36	10/26/23 16:40	1
Barium	**0.21**		0.025	0.00089	mg/L		10/25/23 06:36	10/26/23 16:40	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 06:36	10/26/23 16:40	1
Boron	**0.62**		0.50	0.022	mg/L		10/25/23 06:36	10/26/23 16:40	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 06:36	10/26/23 16:40	1
Calcium	**87**		2.5	0.14	mg/L		10/25/23 06:36	10/26/23 16:40	1
Chromium	**0.0014**	**J**	0.025	0.0012	mg/L		10/25/23 06:36	10/26/23 16:40	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/25/23 06:36	10/26/23 16:40	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/25/23 06:36	10/26/23 16:40	1
Lead	<0.00021		0.013	0.00021	mg/L		10/25/23 06:36	10/26/23 16:40	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 06:36	10/26/23 16:40	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 06:36	10/26/23 16:40	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 06:36	10/26/23 16:40	1
Lithium	**0.0021**	**J**	0.025	0.0020	mg/L		10/25/23 06:36	10/26/23 16:40	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/23/23 09:30	10/24/23 12:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**3500**		40	40	mg/L			10/25/23 14:54	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.07**				SU			10/18/23 14:06	1

Client Sample Results

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

Job ID: 180-164215-1

Client Sample ID: APMW-1R

Date Collected: 10/19/23 09:00
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-5

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2300**		5.0	3.6	mg/L			10/25/23 04:55	5
Fluoride	**0.12**	**J**	0.20	0.026	mg/L			10/25/23 04:42	1
Sulfate	<0.76		1.0	0.76	mg/L			10/25/23 04:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/25/23 06:36	10/26/23 16:44	1
Barium	**1.9**		0.025	0.00089	mg/L		10/25/23 06:36	10/26/23 16:44	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 06:36	10/26/23 16:44	1
Boron	**5.0**		0.50	0.022	mg/L		10/25/23 06:36	10/26/23 16:44	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 06:36	10/26/23 16:44	1
Calcium	**180**		2.5	0.14	mg/L		10/25/23 06:36	10/26/23 16:44	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/25/23 06:36	10/26/23 16:44	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/25/23 06:36	10/26/23 16:44	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/25/23 06:36	10/26/23 16:44	1
Lead	<0.00021		0.013	0.00021	mg/L		10/25/23 06:36	10/26/23 16:44	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 06:36	10/26/23 16:44	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 06:36	10/26/23 16:44	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 06:36	10/26/23 16:44	1
Lithium	**0.018**	**J**	0.025	0.0020	mg/L		10/25/23 06:36	10/26/23 16:44	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/23/23 09:30	10/24/23 12:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**4200**		50	50	mg/L			10/25/23 14:54	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.23**				SU			10/19/23 09:00	1

Client Sample ID: DUP-01
Date Collected: 10/18/23 11:49
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-6
Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3100**		10	7.1	mg/L			10/24/23 22:46	10
Fluoride	**0.072**	**J**	0.20	0.026	mg/L			10/24/23 22:32	1
Sulfate	**650**		1.0	0.76	mg/L			10/24/23 22:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/25/23 06:36	10/26/23 16:48	1
Barium	**0.25**		0.025	0.00089	mg/L		10/25/23 06:36	10/26/23 16:48	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 06:36	10/26/23 16:48	1
Boron	**0.86**		0.50	0.022	mg/L		10/25/23 06:36	10/26/23 16:48	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 06:36	10/26/23 16:48	1
Calcium	**130**		2.5	0.14	mg/L		10/25/23 06:36	10/26/23 16:48	1
Chromium	**0.0012**	**J**	0.025	0.0012	mg/L		10/25/23 06:36	10/26/23 16:48	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/25/23 06:36	10/26/23 16:48	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/25/23 06:36	10/26/23 16:48	1
Lead	<0.00021		0.013	0.00021	mg/L		10/25/23 06:36	10/26/23 16:48	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 06:36	10/26/23 16:48	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 06:36	10/26/23 16:48	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 06:36	10/26/23 16:48	1
Lithium	<0.0020		0.025	0.0020	mg/L		10/25/23 06:36	10/26/23 16:48	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/23/23 09:30	10/24/23 12:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**6200**		67	67	mg/L			10/25/23 14:54	1

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

Job ID: 180-164215-1

Client Sample ID: DUP-02

Date Collected: 10/19/23 08:00
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-7

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2400**		10	7.1	mg/L			10/25/23 04:28	10
Fluoride	**0.12**	**J**	0.20	0.026	mg/L			10/25/23 04:14	1
Sulfate	<0.76		1.0	0.76	mg/L			10/25/23 04:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/25/23 06:36	10/26/23 16:52	1
Barium	**1.9**		0.025	0.00089	mg/L		10/25/23 06:36	10/26/23 16:52	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 06:36	10/26/23 16:52	1
Boron	**4.8**		0.50	0.022	mg/L		10/25/23 06:36	10/26/23 16:52	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 06:36	10/26/23 16:52	1
Calcium	**180**		2.5	0.14	mg/L		10/25/23 06:36	10/26/23 16:52	1
Chromium	**0.0016**	**J**	0.025	0.0012	mg/L		10/25/23 06:36	10/26/23 16:52	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/25/23 06:36	10/26/23 16:52	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/25/23 06:36	10/26/23 16:52	1
Lead	<0.00021		0.013	0.00021	mg/L		10/25/23 06:36	10/26/23 16:52	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 06:36	10/26/23 16:52	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 06:36	10/26/23 16:52	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 06:36	10/26/23 16:52	1
Lithium	**0.018**	**J**	0.025	0.0020	mg/L		10/25/23 06:36	10/26/23 16:52	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/23/23 09:30	10/24/23 13:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**4200**		50	50	mg/L			10/25/23 18:55	1

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

Job ID: 180-164215-1

Client Sample ID: APMW-2D

Date Collected: 10/19/23 10:18
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-8

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.2**		1.0	0.71	mg/L			10/25/23 03:32	1
Fluoride	**0.15**	**J**	0.20	0.026	mg/L			10/25/23 03:32	1
Sulfate	**3.8**		1.0	0.76	mg/L			10/25/23 03:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0032**	**J**	0.015	0.00086	mg/L		10/25/23 06:36	10/26/23 16:56	1
Barium	**0.068**		0.025	0.00089	mg/L		10/25/23 06:36	10/26/23 16:56	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 06:36	10/26/23 16:56	1
Boron	**0.17**	**J**	0.50	0.022	mg/L		10/25/23 06:36	10/26/23 16:56	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 06:36	10/26/23 16:56	1
Calcium	**2.8**		2.5	0.14	mg/L		10/25/23 06:36	10/26/23 16:56	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/25/23 06:36	10/26/23 16:56	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/25/23 06:36	10/26/23 16:56	1
Molybdenum	**0.0013**	**J**	0.075	0.00086	mg/L		10/25/23 06:36	10/26/23 16:56	1
Lead	<0.00021		0.013	0.00021	mg/L		10/25/23 06:36	10/26/23 16:56	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 06:36	10/26/23 16:56	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 06:36	10/26/23 16:56	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 06:36	10/26/23 16:56	1
Lithium	**0.011**	**J**	0.025	0.0020	mg/L		10/25/23 06:36	10/26/23 16:56	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/23/23 09:30	10/24/23 13:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**140**		10	10	mg/L			10/25/23 18:55	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.57**				SU			10/19/23 10:18	1

Client Sample Results

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

Job ID: 180-164215-1

Client Sample ID: APMW-2

Date Collected: 10/19/23 11:31
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-9

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6900**		25	18	mg/L			10/25/23 07:15	25
Fluoride	<0.065		0.50	0.065	mg/L			10/25/23 07:01	2.5
Sulfate	**690**		2.5	1.9	mg/L			10/25/23 07:01	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/25/23 06:36	10/26/23 17:00	1
Barium	**3.9**		0.025	0.00089	mg/L		10/25/23 06:36	10/26/23 17:00	1
Beryllium	**0.00030**	**J**	0.013	0.00020	mg/L		10/25/23 06:36	10/26/23 17:00	1
Boron	**3.4**		0.50	0.022	mg/L		10/25/23 06:36	10/26/23 17:00	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 06:36	10/26/23 17:00	1
Calcium	**340**		2.5	0.14	mg/L		10/25/23 06:36	10/26/23 17:00	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/25/23 06:36	10/26/23 17:00	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/25/23 06:36	10/26/23 17:00	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/25/23 06:36	10/26/23 17:00	1
Lead	<0.00021		0.013	0.00021	mg/L		10/25/23 06:36	10/26/23 17:00	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 06:36	10/26/23 17:00	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 06:36	10/26/23 17:00	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 06:36	10/26/23 17:00	1
Lithium	**0.037**		0.025	0.0020	mg/L		10/25/23 06:36	10/26/23 17:00	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/23/23 09:30	10/24/23 13:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**3900**		40	40	mg/L			10/25/23 18:55	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.93**				SU			10/19/23 11:31	1

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

Job ID: 180-164215-1

Client Sample ID: APMW-3

Date Collected: 10/19/23 12:47
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-10

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8800**		25	18	mg/L			10/25/23 05:51	25
Fluoride	**0.17**	**J**	0.50	0.065	mg/L			10/25/23 05:37	2.5
Sulfate	**980**		2.5	1.9	mg/L			10/25/23 05:37	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.096**		0.015	0.00086	mg/L		10/25/23 06:36	10/26/23 17:08	1
Barium	**0.071**		0.025	0.00089	mg/L		10/25/23 06:36	10/26/23 17:08	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 06:36	10/26/23 17:08	1
Boron	**5.0**		0.50	0.022	mg/L		10/25/23 06:36	10/26/23 17:08	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 06:36	10/26/23 17:08	1
Calcium	**270**		2.5	0.14	mg/L		10/25/23 06:36	10/26/23 17:08	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/25/23 06:36	10/26/23 17:08	1
Cobalt	**0.0023**	**J**	0.013	0.00022	mg/L		10/25/23 06:36	10/26/23 17:08	1
Molybdenum	**0.076**		0.075	0.00086	mg/L		10/25/23 06:36	10/26/23 17:08	1
Lead	<0.00021		0.013	0.00021	mg/L		10/25/23 06:36	10/26/23 17:08	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 06:36	10/26/23 17:08	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 06:36	10/26/23 17:08	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 06:36	10/26/23 17:08	1
Lithium	**0.072**		0.025	0.0020	mg/L		10/25/23 06:36	10/26/23 17:08	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/23/23 09:30	10/24/23 13:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**17000**		200	200	mg/L			10/25/23 18:55	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.72**				SU			10/19/23 12:47	1

Client Sample Results

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

Job ID: 180-164215-1

Client Sample ID: APMW-3D

Date Collected: 10/19/23 13:58
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-11

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**24**		1.0	0.71	mg/L			10/24/23 14:19	1
Fluoride	**0.13**	**J**	0.20	0.026	mg/L			10/24/23 14:19	1
Sulfate	**5.4**		1.0	0.76	mg/L			10/24/23 14:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0033**	**J**	0.015	0.00086	mg/L		10/25/23 06:36	10/26/23 17:12	1
Barium	**0.18**		0.025	0.00089	mg/L		10/25/23 06:36	10/26/23 17:12	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 06:36	10/26/23 17:12	1
Boron	**0.15**	**J**	0.50	0.022	mg/L		10/25/23 06:36	10/26/23 17:12	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 06:36	10/26/23 17:12	1
Calcium	**13**		2.5	0.14	mg/L		10/25/23 06:36	10/26/23 17:12	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/25/23 06:36	10/26/23 17:12	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/25/23 06:36	10/26/23 17:12	1
Molybdenum	**0.00096**	**J**	0.075	0.00086	mg/L		10/25/23 06:36	10/26/23 17:12	1
Lead	<0.00021		0.013	0.00021	mg/L		10/25/23 06:36	10/26/23 17:12	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 06:36	10/26/23 17:12	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 06:36	10/26/23 17:12	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 06:36	10/26/23 17:12	1
Lithium	**0.012**	**J**	0.025	0.0020	mg/L		10/25/23 06:36	10/26/23 17:12	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/23/23 09:30	10/24/23 13:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**170**		10	10	mg/L			10/25/23 18:55	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.00**				SU			10/19/23 13:58	1

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

Job ID: 180-164215-1

Client Sample ID: EB-01

Date Collected: 10/19/23 13:05
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-12

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/24/23 15:01	1
Fluoride	<0.026		0.20	0.026	mg/L			10/24/23 15:01	1
Sulfate	<0.76		1.0	0.76	mg/L			10/24/23 15:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/25/23 06:36	10/26/23 17:25	1
Barium	<0.00089		0.025	0.00089	mg/L		10/25/23 06:36	10/26/23 17:25	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 06:36	10/26/23 17:25	1
Boron	**0.026**	**J**	0.50	0.022	mg/L		10/25/23 06:36	10/26/23 17:25	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 06:36	10/26/23 17:25	1
Calcium	<0.14		2.5	0.14	mg/L		10/25/23 06:36	10/26/23 17:25	1
Chromium	**0.0034**	**J**	0.025	0.0012	mg/L		10/25/23 06:36	10/26/23 17:25	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/25/23 06:36	10/26/23 17:25	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/25/23 06:36	10/26/23 17:25	1
Lead	<0.00021		0.013	0.00021	mg/L		10/25/23 06:36	10/26/23 17:25	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 06:36	10/26/23 17:25	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 06:36	10/26/23 17:25	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 06:36	10/26/23 17:25	1
Lithium	<0.0020		0.025	0.0020	mg/L		10/25/23 06:36	10/26/23 17:25	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/23/23 09:30	10/24/23 13:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10		10	10	mg/L			10/25/23 18:55	1

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

Job ID: 180-164215-1

Client Sample ID: FB-01

Date Collected: 10/19/23 13:00
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-13

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/24/23 15:15	1
Fluoride	<0.026		0.20	0.026	mg/L			10/24/23 15:15	1
Sulfate	<0.76		1.0	0.76	mg/L			10/24/23 15:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/25/23 06:36	10/26/23 17:04	1
Barium	**0.0018**	**J**	0.025	0.00089	mg/L		10/25/23 06:36	10/26/23 17:04	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 06:36	10/26/23 17:04	1
Boron	**0.072**	**J**	0.50	0.022	mg/L		10/25/23 06:36	10/26/23 17:04	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 06:36	10/26/23 17:04	1
Calcium	**0.19**	**J**	2.5	0.14	mg/L		10/25/23 06:36	10/26/23 17:04	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/25/23 06:36	10/26/23 17:04	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/25/23 06:36	10/26/23 17:04	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/25/23 06:36	10/26/23 17:04	1
Lead	<0.00021		0.013	0.00021	mg/L		10/25/23 06:36	10/26/23 17:04	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 06:36	10/26/23 17:04	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 06:36	10/26/23 17:04	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 06:36	10/26/23 17:04	1
Lithium	<0.0020		0.025	0.0020	mg/L		10/25/23 06:36	10/26/23 17:04	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/23/23 09:30	10/24/23 13:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10		10	10	mg/L			10/25/23 18:55	1

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

Job ID: 180-164215-1

Client Sample ID: APMW-4D

Date Collected: 10/19/23 16:39
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-1

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3100**		10	7.1	mg/L			10/24/23 20:33	10
Fluoride	**0.082**	**J**	0.20	0.026	mg/L			10/24/23 20:04	1
Sulfate	**310**		1.0	0.76	mg/L			10/24/23 20:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0039**	**J**	0.015	0.00086	mg/L		10/25/23 06:36	10/25/23 21:30	1
Barium	**0.088**		0.025	0.00089	mg/L		10/25/23 06:36	10/25/23 21:30	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 06:36	10/25/23 21:30	1
Boron	**3.2**		0.50	0.022	mg/L		10/25/23 06:36	10/25/23 21:30	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 06:36	10/25/23 21:30	1
Calcium	**200**		2.5	0.14	mg/L		10/25/23 06:36	10/25/23 21:30	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/25/23 06:36	10/25/23 21:30	1
Cobalt	**0.0072**	**J**	0.013	0.00022	mg/L		10/25/23 06:36	10/25/23 21:30	1
Molybdenum	**0.18**		0.075	0.00086	mg/L		10/25/23 06:36	10/25/23 21:30	1
Lead	<0.00021		0.013	0.00021	mg/L		10/25/23 06:36	10/25/23 21:30	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 06:36	10/25/23 21:30	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 06:36	10/25/23 21:30	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 06:36	10/25/23 21:30	1
Lithium	**0.074**		0.025	0.0020	mg/L		10/25/23 06:36	10/25/23 21:30	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/24/23 09:30	10/24/23 14:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**14000**		200	200	mg/L			10/25/23 18:55	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.65**				SU			10/19/23 16:39	1

Client Sample ID: APMW-4

Date Collected: 10/19/23 17:44
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-2

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2100**		5.0	3.6	mg/L			10/24/23 18:20	5
Fluoride	**0.41**		0.20	0.026	mg/L			10/24/23 17:21	1
Sulfate	**190**		1.0	0.76	mg/L			10/24/23 17:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0076**	**J**	0.015	0.00086	mg/L		10/25/23 06:36	10/25/23 21:34	1
Barium	**0.16**		0.025	0.00089	mg/L		10/25/23 06:36	10/25/23 21:34	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 06:36	10/25/23 21:34	1
Boron	**0.93**		0.50	0.022	mg/L		10/25/23 06:36	10/25/23 21:34	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 06:36	10/25/23 21:34	1
Calcium	**97**		2.5	0.14	mg/L		10/25/23 06:36	10/25/23 21:34	1
Chromium	**0.0017**	**J**	0.025	0.0012	mg/L		10/25/23 06:36	10/25/23 21:34	1
Cobalt	**0.0026**	**J**	0.013	0.00022	mg/L		10/25/23 06:36	10/25/23 21:34	1
Molybdenum	**0.0047**	**J**	0.075	0.00086	mg/L		10/25/23 06:36	10/25/23 21:34	1
Lead	<0.00021		0.013	0.00021	mg/L		10/25/23 06:36	10/25/23 21:34	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 06:36	10/25/23 21:34	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 06:36	10/25/23 21:34	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 06:36	10/25/23 21:34	1
Lithium	**0.039**		0.025	0.0020	mg/L		10/25/23 06:36	10/25/23 21:34	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/24/23 09:30	10/24/23 14:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**3900**		40	40	mg/L			10/25/23 18:55	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.22**				SU			10/19/23 17:44	1

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

Job ID: 180-164215-1

Client Sample ID: APMW-5D

Date Collected: 10/20/23 09:06
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-3

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.2**		1.0	0.71	mg/L			10/24/23 23:34	1
Fluoride	**0.13**	**J**	0.20	0.026	mg/L			10/24/23 23:34	1
Sulfate	**4.6**		1.0	0.76	mg/L			10/24/23 23:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.022**		0.015	0.00086	mg/L		10/25/23 06:36	10/25/23 21:38	1
Barium	**0.044**		0.025	0.00089	mg/L		10/25/23 06:36	10/25/23 21:38	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 06:36	10/25/23 21:38	1
Boron	**0.086**	**J**	0.50	0.022	mg/L		10/25/23 06:36	10/25/23 21:38	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 06:36	10/25/23 21:38	1
Calcium	**1.1**	**J**	2.5	0.14	mg/L		10/25/23 06:36	10/25/23 21:38	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/25/23 06:36	10/25/23 21:38	1
Cobalt	**0.00037**	**J**	0.013	0.00022	mg/L		10/25/23 06:36	10/25/23 21:38	1
Molybdenum	**0.0012**	**J**	0.075	0.00086	mg/L		10/25/23 06:36	10/25/23 21:38	1
Lead	**0.00030**	**J**	0.013	0.00021	mg/L		10/25/23 06:36	10/25/23 21:38	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 06:36	10/25/23 21:38	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 06:36	10/25/23 21:38	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 06:36	10/25/23 21:38	1
Lithium	**0.0064**	**J**	0.025	0.0020	mg/L		10/25/23 06:36	10/25/23 21:38	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/24/23 09:30	10/24/23 14:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**130**		10	10	mg/L			10/26/23 17:51	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.70**				SU			10/20/23 09:06	1

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

Job ID: 180-164215-1

Client Sample ID: APMW-5

Date Collected: 10/20/23 10:17
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-4

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7300**		25	18	mg/L			10/25/23 06:19	25
Fluoride	<0.065		0.50	0.065	mg/L			10/25/23 06:05	2.5
Sulfate	**660**		2.5	1.9	mg/L			10/25/23 06:05	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.25**		0.015	0.00086	mg/L		10/25/23 06:36	10/25/23 21:42	1
Barium	**0.11**		0.025	0.00089	mg/L		10/25/23 06:36	10/25/23 21:42	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 06:36	10/25/23 21:42	1
Boron	**6.0**		0.50	0.022	mg/L		10/25/23 06:36	10/25/23 21:42	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 06:36	10/25/23 21:42	1
Calcium	**290**		2.5	0.14	mg/L		10/25/23 06:36	10/25/23 21:42	1
Chromium	**0.0012**	**J**	0.025	0.0012	mg/L		10/25/23 06:36	10/25/23 21:42	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/25/23 06:36	10/25/23 21:42	1
Molybdenum	**0.18**		0.075	0.00086	mg/L		10/25/23 06:36	10/25/23 21:42	1
Lead	<0.00021		0.013	0.00021	mg/L		10/25/23 06:36	10/25/23 21:42	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 06:36	10/25/23 21:42	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 06:36	10/25/23 21:42	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 06:36	10/25/23 21:42	1
Lithium	**0.039**		0.025	0.0020	mg/L		10/25/23 06:36	10/25/23 21:42	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/24/23 09:30	10/24/23 14:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**13000**		200	200	mg/L			10/26/23 17:51	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.36**				SU			10/20/23 10:17	1

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

Job ID: 180-164215-1

Client Sample ID: APMW-6D

Date Collected: 10/20/23 11:47
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-5

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**26**		1.0	0.71	mg/L			10/24/23 21:36	1
Fluoride	**0.15**	**J**	0.20	0.026	mg/L			10/24/23 21:36	1
Sulfate	**17**		1.0	0.76	mg/L			10/24/23 21:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0055**	**J**	0.015	0.00086	mg/L		10/25/23 06:36	10/25/23 21:54	1
Barium	**0.16**		0.025	0.00089	mg/L		10/25/23 06:36	10/25/23 21:54	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 06:36	10/25/23 21:54	1
Boron	**0.088**	**J**	0.50	0.022	mg/L		10/25/23 06:36	10/25/23 21:54	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 06:36	10/25/23 21:54	1
Calcium	**13**		2.5	0.14	mg/L		10/25/23 06:36	10/25/23 21:54	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/25/23 06:36	10/25/23 21:54	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/25/23 06:36	10/25/23 21:54	1
Molybdenum	**0.0023**	**J**	0.075	0.00086	mg/L		10/25/23 06:36	10/25/23 21:54	1
Lead	<0.00021		0.013	0.00021	mg/L		10/25/23 06:36	10/25/23 21:54	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 06:36	10/25/23 21:54	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 06:36	10/25/23 21:54	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 06:36	10/25/23 21:54	1
Lithium	**0.0079**	**J**	0.025	0.0020	mg/L		10/25/23 06:36	10/25/23 21:54	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/24/23 09:30	10/24/23 14:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**200**		10	10	mg/L			10/26/23 17:51	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.93**				SU			10/20/23 11:47	1

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

Job ID: 180-164215-1

Client Sample ID: APMW-6R

Date Collected: 10/20/23 12:45
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-6

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3300**		10	7.1	mg/L			10/25/23 01:41	10
Fluoride	<0.026		0.20	0.026	mg/L			10/25/23 01:27	1
Sulfate	**760**		1.0	0.76	mg/L			10/25/23 01:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.29**		0.015	0.00086	mg/L		10/25/23 06:36	10/25/23 21:58	1
Barium	**0.048**		0.025	0.00089	mg/L		10/25/23 06:36	10/25/23 21:58	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 06:36	10/25/23 21:58	1
Boron	**13**		5.0	0.22	mg/L		10/25/23 06:36	10/26/23 14:30	10
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 06:36	10/25/23 21:58	1
Calcium	**320**		2.5	0.14	mg/L		10/25/23 06:36	10/25/23 21:58	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/25/23 06:36	10/25/23 21:58	1
Cobalt	**0.0031**	**J**	0.013	0.00022	mg/L		10/25/23 06:36	10/25/23 21:58	1
Molybdenum	**0.67**		0.075	0.00086	mg/L		10/25/23 06:36	10/25/23 21:58	1
Lead	<0.00021		0.013	0.00021	mg/L		10/25/23 06:36	10/25/23 21:58	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 06:36	10/25/23 21:58	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 06:36	10/25/23 21:58	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 06:36	10/25/23 21:58	1
Lithium	**0.056**		0.025	0.0020	mg/L		10/25/23 06:36	10/25/23 21:58	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/24/23 09:30	10/24/23 14:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**7000**		100	100	mg/L			10/26/23 17:51	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.15**				SU			10/20/23 12:45	1

Client Sample ID: APMW-7

Date Collected: 10/20/23 14:08
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-7

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3900**		10	7.1	mg/L			10/25/23 00:31	10
Fluoride	**0.026**	**J**	0.20	0.026	mg/L			10/25/23 00:17	1
Sulfate	**93**		1.0	0.76	mg/L			10/25/23 00:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00098**	**J**	0.015	0.00086	mg/L		10/25/23 06:36	10/25/23 22:03	1
Barium	**0.70**		0.025	0.00089	mg/L		10/25/23 06:36	10/25/23 22:03	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 06:36	10/25/23 22:03	1
Boron	**1.1**		0.50	0.022	mg/L		10/25/23 06:36	10/26/23 14:34	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 06:36	10/25/23 22:03	1
Calcium	**100**		2.5	0.14	mg/L		10/25/23 06:36	10/25/23 22:03	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/25/23 06:36	10/25/23 22:03	1
Cobalt	**0.00029**	**J**	0.013	0.00022	mg/L		10/25/23 06:36	10/25/23 22:03	1
Molybdenum	**0.00089**	**J**	0.075	0.00086	mg/L		10/25/23 06:36	10/25/23 22:03	1
Lead	<0.00021		0.013	0.00021	mg/L		10/25/23 06:36	10/25/23 22:03	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 06:36	10/25/23 22:03	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 06:36	10/25/23 22:03	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 06:36	10/25/23 22:03	1
Lithium	**0.0033**	**J**	0.025	0.0020	mg/L		10/25/23 06:36	10/25/23 22:03	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/24/23 09:30	10/24/23 14:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**8000**		100	100	mg/L			10/26/23 17:51	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.28**				SU			10/20/23 14:08	1

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

Job ID: 180-164215-1

Client Sample ID: APMW-8

Date Collected: 10/20/23 15:03
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-8

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3400**		10	7.1	mg/L			10/25/23 05:23	10
Fluoride	**0.70**		0.20	0.026	mg/L			10/25/23 05:09	1
Sulfate	**590**		1.0	0.76	mg/L			10/25/23 05:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.016**		0.015	0.00086	mg/L		10/25/23 06:36	10/25/23 22:07	1
Barium	**0.30**		0.025	0.00089	mg/L		10/25/23 06:36	10/25/23 22:07	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 06:36	10/25/23 22:07	1
Boron	**21**		10	0.44	mg/L		10/25/23 06:36	10/26/23 14:38	20
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 06:36	10/25/23 22:07	1
Calcium	**490**		50	2.8	mg/L		10/25/23 06:36	10/26/23 14:38	20
Chromium	<0.0012		0.025	0.0012	mg/L		10/25/23 06:36	10/25/23 22:07	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/25/23 06:36	10/25/23 22:07	1
Molybdenum	**0.11**		0.075	0.00086	mg/L		10/25/23 06:36	10/25/23 22:07	1
Lead	<0.00021		0.013	0.00021	mg/L		10/25/23 06:36	10/25/23 22:07	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 06:36	10/25/23 22:07	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 06:36	10/25/23 22:07	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 06:36	10/25/23 22:07	1
Lithium	**0.071**		0.025	0.0020	mg/L		10/25/23 06:36	10/25/23 22:07	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/24/23 09:30	10/24/23 14:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**7100**		100	100	mg/L			10/26/23 17:51	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.61**				SU			10/20/23 15:03	1

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

Job ID: 180-164215-1

Client Sample ID: DUP-03

Date Collected: 10/20/23 09:17
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-9

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2200**		5.0	3.6	mg/L			10/25/23 03:18	5
Fluoride	**0.029**	**J**	0.20	0.026	mg/L			10/25/23 03:04	1
Sulfate	<0.76		1.0	0.76	mg/L			10/25/23 03:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.24**		0.015	0.00086	mg/L		10/25/23 06:36	10/25/23 22:11	1
Barium	**0.11**		0.025	0.00089	mg/L		10/25/23 06:36	10/25/23 22:11	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 06:36	10/25/23 22:11	1
Boron	**6.6**		5.0	0.22	mg/L		10/25/23 06:36	10/26/23 14:42	10
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 06:36	10/25/23 22:11	1
Calcium	**240**		2.5	0.14	mg/L		10/25/23 06:36	10/25/23 22:11	1
Chromium	**0.0013**	**J**	0.025	0.0012	mg/L		10/25/23 06:36	10/25/23 22:11	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/25/23 06:36	10/25/23 22:11	1
Molybdenum	**0.17**		0.075	0.00086	mg/L		10/25/23 06:36	10/25/23 22:11	1
Lead	<0.00021		0.013	0.00021	mg/L		10/25/23 06:36	10/25/23 22:11	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 06:36	10/25/23 22:11	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 06:36	10/25/23 22:11	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 06:36	10/25/23 22:11	1
Lithium	**0.036**		0.025	0.0020	mg/L		10/25/23 06:36	10/25/23 22:11	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/24/23 09:30	10/24/23 14:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**12000**		200	200	mg/L			10/26/23 17:51	1

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

Job ID: 180-164215-1

Client Sample ID: FB-02

Date Collected: 10/20/23 11:40
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-10

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/24/23 23:49	1
Fluoride	<0.026		0.20	0.026	mg/L			10/24/23 23:49	1
Sulfate	<0.76		1.0	0.76	mg/L			10/24/23 23:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/25/23 06:36	10/25/23 22:15	1
Barium	<0.00089		0.025	0.00089	mg/L		10/25/23 06:36	10/25/23 22:15	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 06:36	10/25/23 22:15	1
Boron	**0.029**	**J**	0.50	0.022	mg/L		10/25/23 06:36	10/26/23 14:46	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 06:36	10/25/23 22:15	1
Calcium	**0.21**	**J**	2.5	0.14	mg/L		10/25/23 06:36	10/25/23 22:15	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/25/23 06:36	10/25/23 22:15	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/25/23 06:36	10/25/23 22:15	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/25/23 06:36	10/25/23 22:15	1
Lead	<0.00021		0.013	0.00021	mg/L		10/25/23 06:36	10/25/23 22:15	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 06:36	10/25/23 22:15	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 06:36	10/25/23 22:15	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 06:36	10/25/23 22:15	1
Lithium	<0.0020		0.025	0.0020	mg/L		10/25/23 06:36	10/25/23 22:15	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/24/23 09:30	10/24/23 14:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10		10	10	mg/L			10/26/23 17:51	1

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

Job ID: 180-164215-1

Client Sample ID: EB-02

Date Collected: 10/20/23 12:10
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-11

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/25/23 00:04	1
Fluoride	<0.026		0.20	0.026	mg/L			10/25/23 00:04	1
Sulfate	<0.76		1.0	0.76	mg/L			10/25/23 00:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/25/23 06:36	10/25/23 22:19	1
Barium	<0.00089		0.025	0.00089	mg/L		10/25/23 06:36	10/25/23 22:19	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 06:36	10/25/23 22:19	1
Boron	<0.022		0.50	0.022	mg/L		10/25/23 06:36	10/26/23 14:50	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 06:36	10/25/23 22:19	1
Calcium	<0.14		2.5	0.14	mg/L		10/25/23 06:36	10/25/23 22:19	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/25/23 06:36	10/25/23 22:19	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/25/23 06:36	10/25/23 22:19	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/25/23 06:36	10/25/23 22:19	1
Lead	<0.00021		0.013	0.00021	mg/L		10/25/23 06:36	10/25/23 22:19	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 06:36	10/25/23 22:19	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 06:36	10/25/23 22:19	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 06:36	10/25/23 22:19	1
Lithium	<0.0020		0.025	0.0020	mg/L		10/25/23 06:36	10/25/23 22:19	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/24/23 09:30	10/24/23 14:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10		10	10	mg/L			10/26/23 17:51	1

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

Job ID: 180-164215-1

Client Sample ID: APMW-8D

Date Collected: 10/20/23 17:23
Date Received: 10/24/23 10:28

Lab Sample ID: 180-164294-1

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.2**	**F1**	1.0	0.71	mg/L			10/25/23 13:58	1
Fluoride	**0.083**	**J**	0.20	0.026	mg/L			10/25/23 13:58	1
Sulfate	**4.3**	**F1**	1.0	0.76	mg/L			10/25/23 13:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0028**	**J**	0.015	0.00086	mg/L		10/27/23 07:41	10/28/23 00:49	1
Barium	**0.082**		0.025	0.00089	mg/L		10/27/23 07:41	10/28/23 00:49	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/27/23 07:41	10/28/23 00:49	1
Boron	**0.049**	**J**	0.50	0.022	mg/L		10/27/23 07:41	10/28/23 00:49	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/27/23 07:41	10/28/23 00:49	1
Calcium	**5.4**		2.5	0.14	mg/L		10/27/23 07:41	10/28/23 00:49	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/27/23 07:41	10/28/23 00:49	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/27/23 07:41	10/28/23 00:49	1
Molybdenum	**0.0011**	**J**	0.075	0.00086	mg/L		10/27/23 07:41	10/28/23 00:49	1
Lead	<0.00021		0.013	0.00021	mg/L		10/27/23 07:41	10/28/23 00:49	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/27/23 07:41	10/28/23 00:49	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/27/23 07:41	10/28/23 00:49	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/27/23 07:41	10/28/23 00:49	1
Lithium	**0.0033**	**J**	0.025	0.0020	mg/L		10/27/23 07:41	10/28/23 00:49	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/25/23 08:45	10/26/23 12:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**110**		10	10	mg/L			10/26/23 17:51	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.54**				SU			10/20/23 17:23	1

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

Job ID: 180-164215-1

Client Sample ID: APMW-9

Date Collected: 10/20/23 18:23
Date Received: 10/24/23 10:28

Lab Sample ID: 180-164294-2

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2900**		10	7.1	mg/L			10/25/23 15:38	10
Fluoride	**0.057**	**J**	0.20	0.026	mg/L			10/25/23 15:23	1
Sulfate	**190**		1.0	0.76	mg/L			10/25/23 15:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0012**	**J**	0.015	0.00086	mg/L		10/27/23 07:41	10/28/23 00:53	1
Barium	**0.40**		0.025	0.00089	mg/L		10/27/23 07:41	10/28/23 00:53	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/27/23 07:41	10/28/23 00:53	1
Boron	**7.0**		0.50	0.022	mg/L		10/27/23 07:41	10/28/23 00:53	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/27/23 07:41	10/28/23 00:53	1
Calcium	**250**		2.5	0.14	mg/L		10/27/23 07:41	10/28/23 00:53	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/27/23 07:41	10/28/23 00:53	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/27/23 07:41	10/28/23 00:53	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/27/23 07:41	10/28/23 00:53	1
Lead	<0.00021		0.013	0.00021	mg/L		10/27/23 07:41	10/28/23 00:53	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/27/23 07:41	10/28/23 00:53	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/27/23 07:41	10/28/23 00:53	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/27/23 07:41	10/28/23 00:53	1
Lithium	**0.0036**	**J**	0.025	0.0020	mg/L		10/27/23 07:41	10/28/23 00:53	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/25/23 08:45	10/26/23 12:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**5100**		67	67	mg/L			10/26/23 17:51	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.23**				SU			10/20/23 18:23	1

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

Job ID: 180-164215-1

Client Sample ID: APMW-10

Date Collected: 10/21/23 08:15
Date Received: 10/24/23 10:28

Lab Sample ID: 180-164294-3

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**630**		2.5	1.8	mg/L			10/25/23 18:15	2.5
Fluoride	**0.58**		0.50	0.065	mg/L			10/25/23 18:15	2.5
Sulfate	**2.4**	**J**	2.5	1.9	mg/L			10/25/23 18:15	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.037**		0.015	0.00086	mg/L		10/27/23 07:41	10/28/23 00:57	1
Barium	**0.32**		0.025	0.00089	mg/L		10/27/23 07:41	10/28/23 00:57	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/27/23 07:41	10/28/23 00:57	1
Boron	**2.7**		0.50	0.022	mg/L		10/27/23 07:41	10/28/23 00:57	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/27/23 07:41	10/28/23 00:57	1
Calcium	**44**		2.5	0.14	mg/L		10/27/23 07:41	10/28/23 00:57	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/27/23 07:41	10/28/23 00:57	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/27/23 07:41	10/28/23 00:57	1
Molybdenum	**0.037**	**J**	0.075	0.00086	mg/L		10/27/23 07:41	10/28/23 00:57	1
Lead	<0.00021		0.013	0.00021	mg/L		10/27/23 07:41	10/28/23 00:57	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/27/23 07:41	10/28/23 00:57	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/27/23 07:41	10/28/23 00:57	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/27/23 07:41	10/28/23 00:57	1
Lithium	**0.013**	**J**	0.025	0.0020	mg/L		10/27/23 07:41	10/28/23 00:57	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/25/23 08:45	10/26/23 12:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1600**		20	20	mg/L			10/26/23 17:51	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.06**				SU			10/21/23 08:15	1

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

Job ID: 180-164215-1

Client Sample ID: APMW-10D

Date Collected: 10/21/23 09:11
Date Received: 10/24/23 10:28

Lab Sample ID: 180-164294-4

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.0**	**F1**	1.0	0.71	mg/L			10/25/23 17:30	1
Fluoride	**0.16**	**J**	0.20	0.026	mg/L			10/25/23 17:30	1
Sulfate	**4.2**	**F1**	1.0	0.76	mg/L			10/25/23 17:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0070**	**J**	0.015	0.00086	mg/L		10/27/23 07:41	10/28/23 01:01	1
Barium	**0.026**		0.025	0.00089	mg/L		10/27/23 07:41	10/28/23 01:01	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/27/23 07:41	10/28/23 01:01	1
Boron	**0.19**	**J**	0.50	0.022	mg/L		10/27/23 07:41	10/28/23 01:01	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/27/23 07:41	10/28/23 01:01	1
Calcium	**2.7**		2.5	0.14	mg/L		10/27/23 07:41	10/28/23 01:01	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/27/23 07:41	10/28/23 01:01	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/27/23 07:41	10/28/23 01:01	1
Molybdenum	**0.0031**	**J**	0.075	0.00086	mg/L		10/27/23 07:41	10/28/23 01:01	1
Lead	**0.00030**	**J**	0.013	0.00021	mg/L		10/27/23 07:41	10/28/23 01:01	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/27/23 07:41	10/28/23 01:01	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/27/23 07:41	10/28/23 01:01	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/27/23 07:41	10/28/23 01:01	1
Lithium	**0.012**	**J**	0.025	0.0020	mg/L		10/27/23 07:41	10/28/23 01:01	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/25/23 08:45	10/26/23 12:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**150**		10	10	mg/L			10/26/23 17:51	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.89**				SU			10/21/23 09:11	1

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

Job ID: 180-164215-1

Client Sample ID: APMW-11

Date Collected: 10/21/23 10:25
Date Received: 10/24/23 10:28

Lab Sample ID: 180-164294-5

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.0**		1.0	0.71	mg/L			10/25/23 16:21	1
Fluoride	**0.048**	**J**	0.20	0.026	mg/L			10/25/23 16:21	1
Sulfate	<0.76		1.0	0.76	mg/L			10/25/23 16:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/27/23 07:41	10/28/23 01:05	1
Barium	**0.038**		0.025	0.00089	mg/L		10/27/23 07:41	10/28/23 01:05	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/27/23 07:41	10/28/23 01:05	1
Boron	**0.056**	**J**	0.50	0.022	mg/L		10/27/23 07:41	10/28/23 01:05	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/27/23 07:41	10/28/23 01:05	1
Calcium	**10**		2.5	0.14	mg/L		10/27/23 07:41	10/28/23 01:05	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/27/23 07:41	10/28/23 01:05	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/27/23 07:41	10/28/23 01:05	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/27/23 07:41	10/28/23 01:05	1
Lead	<0.00021		0.013	0.00021	mg/L		10/27/23 07:41	10/28/23 01:05	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/27/23 07:41	10/28/23 01:05	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/27/23 07:41	10/28/23 01:05	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/27/23 07:41	10/28/23 01:05	1
Lithium	**0.010**	**J**	0.025	0.0020	mg/L		10/27/23 07:41	10/28/23 01:05	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/25/23 08:45	10/26/23 12:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**73**		10	10	mg/L			10/26/23 17:51	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.26**				SU			10/21/23 10:25	1

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

Job ID: 180-164215-1

Client Sample ID: APMW-12

Date Collected: 10/21/23 11:26
Date Received: 10/24/23 10:28

Lab Sample ID: 180-164294-6

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13**		1.0	0.71	mg/L			10/25/23 16:35	1
Fluoride	**0.048**	**J**	0.20	0.026	mg/L			10/25/23 16:35	1
Sulfate	**1.0**		1.0	0.76	mg/L			10/25/23 16:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/27/23 07:41	10/28/23 01:17	1
Barium	**0.065**		0.025	0.00089	mg/L		10/27/23 07:41	10/28/23 01:17	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/27/23 07:41	10/28/23 01:17	1
Boron	**0.047**	**J**	0.50	0.022	mg/L		10/27/23 07:41	10/28/23 01:17	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/27/23 07:41	10/28/23 01:17	1
Calcium	**12**		2.5	0.14	mg/L		10/27/23 07:41	10/28/23 01:17	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/27/23 07:41	10/28/23 01:17	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/27/23 07:41	10/28/23 01:17	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/27/23 07:41	10/28/23 01:17	1
Lead	<0.00021		0.013	0.00021	mg/L		10/27/23 07:41	10/28/23 01:17	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/27/23 07:41	10/28/23 01:17	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/27/23 07:41	10/28/23 01:17	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/27/23 07:41	10/28/23 01:17	1
Lithium	**0.017**	**J**	0.025	0.0020	mg/L		10/27/23 07:41	10/28/23 01:17	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/25/23 08:45	10/26/23 12:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**130**		10	10	mg/L			10/26/23 17:51	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.22**				SU			10/21/23 11:26	1

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

Job ID: 180-164215-1

Client Sample ID: FB-03

Date Collected: 10/21/23 09:47
Date Received: 10/24/23 10:28

Lab Sample ID: 180-164294-7

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/25/23 16:49	1
Fluoride	<0.026		0.20	0.026	mg/L			10/25/23 16:49	1
Sulfate	<0.76		1.0	0.76	mg/L			10/25/23 16:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/27/23 07:41	10/28/23 01:21	1
Barium	<0.00089		0.025	0.00089	mg/L		10/27/23 07:41	10/28/23 01:21	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/27/23 07:41	10/28/23 01:21	1
Boron	<0.022		0.50	0.022	mg/L		10/27/23 07:41	10/28/23 01:21	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/27/23 07:41	10/28/23 01:21	1
Calcium	<0.14		2.5	0.14	mg/L		10/27/23 07:41	10/28/23 01:21	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/27/23 07:41	10/28/23 01:21	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/27/23 07:41	10/28/23 01:21	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/27/23 07:41	10/28/23 01:21	1
Lead	<0.00021		0.013	0.00021	mg/L		10/27/23 07:41	10/28/23 01:21	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/27/23 07:41	10/28/23 01:21	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/27/23 07:41	10/28/23 01:21	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/27/23 07:41	10/28/23 01:21	1
Lithium	<0.0020		0.025	0.0020	mg/L		10/27/23 07:41	10/28/23 01:21	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/25/23 08:45	10/26/23 12:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10		10	10	mg/L			10/26/23 17:51	1

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

Job ID: 180-164215-1

Client Sample ID: EB-03

Date Collected: 10/21/23 09:52
Date Received: 10/24/23 10:28

Lab Sample ID: 180-164294-8

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/25/23 17:03	1
Fluoride	<0.026		0.20	0.026	mg/L			10/25/23 17:03	1
Sulfate	<0.76		1.0	0.76	mg/L			10/25/23 17:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/27/23 07:41	10/28/23 01:25	1
Barium	<0.00089		0.025	0.00089	mg/L		10/27/23 07:41	10/28/23 01:25	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/27/23 07:41	10/28/23 01:25	1
Boron	<0.022		0.50	0.022	mg/L		10/27/23 07:41	10/28/23 01:25	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/27/23 07:41	10/28/23 01:25	1
Calcium	<0.14		2.5	0.14	mg/L		10/27/23 07:41	10/28/23 01:25	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/27/23 07:41	10/28/23 01:25	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/27/23 07:41	10/28/23 01:25	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/27/23 07:41	10/28/23 01:25	1
Lead	<0.00021		0.013	0.00021	mg/L		10/27/23 07:41	10/28/23 01:25	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/27/23 07:41	10/28/23 01:25	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/27/23 07:41	10/28/23 01:25	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/27/23 07:41	10/28/23 01:25	1
Lithium	<0.0020		0.025	0.0020	mg/L		10/27/23 07:41	10/28/23 01:25	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/25/23 08:45	10/26/23 12:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10		10	10	mg/L			10/26/23 17:51	1

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

Job ID: 180-164215-1

Client Sample ID: DUP-04

Date Collected: 10/21/23 07:15
Date Received: 10/24/23 10:28

Lab Sample ID: 180-164294-9

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**660**		2.5	1.8	mg/L			10/25/23 17:17	2.5
Fluoride	**0.61**		0.50	0.065	mg/L			10/25/23 17:17	2.5
Sulfate	**2.5**		2.5	1.9	mg/L			10/25/23 17:17	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.038**		0.015	0.00086	mg/L		10/27/23 07:41	10/28/23 01:29	1
Barium	**0.44**		0.025	0.00089	mg/L		10/27/23 07:41	10/28/23 01:29	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/27/23 07:41	10/28/23 01:29	1
Boron	**2.6**		0.50	0.022	mg/L		10/27/23 07:41	10/28/23 01:29	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/27/23 07:41	10/28/23 01:29	1
Calcium	**44**		2.5	0.14	mg/L		10/27/23 07:41	10/28/23 01:29	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/27/23 07:41	10/28/23 01:29	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/27/23 07:41	10/28/23 01:29	1
Molybdenum	**0.041**	**J**	0.075	0.00086	mg/L		10/27/23 07:41	10/28/23 01:29	1
Lead	<0.00021		0.013	0.00021	mg/L		10/27/23 07:41	10/28/23 01:29	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/27/23 07:41	10/28/23 01:29	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/27/23 07:41	10/28/23 01:29	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/27/23 07:41	10/28/23 01:29	1
Lithium	**0.013**	**J**	0.025	0.0020	mg/L		10/27/23 07:41	10/28/23 01:29	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/25/23 08:45	10/26/23 12:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1600**		20	20	mg/L			10/26/23 17:51	1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 180-450035/36
Matrix: Water
Analysis Batch: 450035

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/24/23 21:06	1
Fluoride	<0.026		0.20	0.026	mg/L			10/24/23 21:06	1
Sulfate	<0.76		1.0	0.76	mg/L			10/24/23 21:06	1

Lab Sample ID: MB 180-450035/6
Matrix: Water
Analysis Batch: 450035

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/24/23 11:55	1
Fluoride	<0.026		0.20	0.026	mg/L			10/24/23 11:55	1
Sulfate	<0.76		1.0	0.76	mg/L			10/24/23 11:55	1

Lab Sample ID: LCS 180-450035/37
Matrix: Water
Analysis Batch: 450035

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			50.0	50.3		mg/L		101	90 - 110		
Fluoride			2.50	2.55		mg/L		102	90 - 110		
Sulfate			50.0	49.5		mg/L		99	90 - 110		

Lab Sample ID: LCS 180-450035/7
Matrix: Water
Analysis Batch: 450035

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			50.0	49.6		mg/L		99	90 - 110		
Fluoride			2.50	2.54		mg/L		102	90 - 110		
Sulfate			50.0	49.4		mg/L		99	90 - 110		

Lab Sample ID: 180-164215-11 MS
Matrix: Water
Analysis Batch: 450035

Client Sample ID: APMW-3D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	24		50.0	72.6		mg/L		98	90 - 110		
Fluoride	0.13	J	2.50	2.79		mg/L		106	90 - 110		
Sulfate	5.4		50.0	56.0		mg/L		101	90 - 110		

Lab Sample ID: 180-164215-11 MSD
Matrix: Water
Analysis Batch: 450035

Client Sample ID: APMW-3D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	24		50.0	71.0		mg/L		95	90 - 110	2	20
Fluoride	0.13	J	2.50	2.72		mg/L		104	90 - 110	2	20
Sulfate	5.4		50.0	54.3		mg/L		98	90 - 110	3	20

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 180-164261-5 MS
Matrix: Water
Analysis Batch: 450035

Client Sample ID: APMW-6D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	26		50.0	71.7		mg/L		92	90 - 110
Fluoride	0.15	J	2.50	2.67		mg/L		101	90 - 110
Sulfate	17		50.0	63.5		mg/L		93	90 - 110

Lab Sample ID: 180-164261-5 MSD
Matrix: Water
Analysis Batch: 450035

Client Sample ID: APMW-6D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	26		50.0	76.3		mg/L		101	90 - 110	6	20
Fluoride	0.15	J	2.50	2.84		mg/L		108	90 - 110	6	20
Sulfate	17		50.0	67.9		mg/L		102	90 - 110	7	20

Lab Sample ID: MB 180-450036/6
Matrix: Water
Analysis Batch: 450036

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/24/23 11:18	1
Fluoride	<0.026		0.20	0.026	mg/L			10/24/23 11:18	1
Sulfate	<0.76		1.0	0.76	mg/L			10/24/23 11:18	1

Lab Sample ID: LCS 180-450036/7
Matrix: Water
Analysis Batch: 450036

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	47.8		mg/L		96	90 - 110
Fluoride	2.50	2.54		mg/L		102	90 - 110
Sulfate	50.0	48.8		mg/L		98	90 - 110

Lab Sample ID: MB 180-450167/6
Matrix: Water
Analysis Batch: 450167

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/25/23 11:08	1
Fluoride	<0.026		0.20	0.026	mg/L			10/25/23 11:08	1
Sulfate	<0.76		1.0	0.76	mg/L			10/25/23 11:08	1

Lab Sample ID: LCS 180-450167/7
Matrix: Water
Analysis Batch: 450167

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	48.2		mg/L		96	90 - 110
Fluoride	2.50	2.46		mg/L		98	90 - 110
Sulfate	50.0	47.7		mg/L		95	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 180-164294-1 MS
Matrix: Water
Analysis Batch: 450167

Client Sample ID: APMW-8D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	7.2	F1	50.0	55.1		mg/L		96	90 - 110
Fluoride	0.083	J	2.50	2.59		mg/L		100	90 - 110
Sulfate	4.3	F1	50.0	52.2		mg/L		96	90 - 110

Lab Sample ID: 180-164294-1 MSD
Matrix: Water
Analysis Batch: 450167

Client Sample ID: APMW-8D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	7.2	F1	50.0	50.8	F1	mg/L		87	90 - 110	8	20
Fluoride	0.083	J	2.50	2.38		mg/L		92	90 - 110	8	20
Sulfate	4.3	F1	50.0	47.8	F1	mg/L		87	90 - 110	9	20

Lab Sample ID: 180-164294-4 MS
Matrix: Water
Analysis Batch: 450167

Client Sample ID: APMW-10D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	4.0	F1	50.0	48.4	F1	mg/L		89	90 - 110
Fluoride	0.16	J	2.50	2.51		mg/L		94	90 - 110
Sulfate	4.2	F1	50.0	48.8	F1	mg/L		89	90 - 110

Lab Sample ID: 180-164294-4 MSD
Matrix: Water
Analysis Batch: 450167

Client Sample ID: APMW-10D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	4.0	F1	50.0	51.9		mg/L		96	90 - 110	7	20
Fluoride	0.16	J	2.50	2.70		mg/L		102	90 - 110	7	20
Sulfate	4.2	F1	50.0	52.1		mg/L		96	90 - 110	6	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-804417/1-A
Matrix: Water
Analysis Batch: 804906

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 804417

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/25/23 06:36	10/26/23 15:47	1
Barium	<0.00089		0.025	0.00089	mg/L		10/25/23 06:36	10/26/23 15:47	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 06:36	10/26/23 15:47	1
Boron	<0.022		0.50	0.022	mg/L		10/25/23 06:36	10/26/23 15:47	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 06:36	10/26/23 15:47	1
Calcium	<0.14		2.5	0.14	mg/L		10/25/23 06:36	10/26/23 15:47	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/25/23 06:36	10/26/23 15:47	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/25/23 06:36	10/26/23 15:47	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/25/23 06:36	10/26/23 15:47	1
Lead	<0.00021		0.013	0.00021	mg/L		10/25/23 06:36	10/26/23 15:47	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 06:36	10/26/23 15:47	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 06:36	10/26/23 15:47	1

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

Lab Sample ID: MB 680-804417/1-A
Matrix: Water
Analysis Batch: 804906

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 804417

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 06:36	10/26/23 15:47	1
Lithium	<0.0020		0.025	0.0020	mg/L		10/25/23 06:36	10/26/23 15:47	1

Lab Sample ID: LCS 680-804417/2-A
Matrix: Water
Analysis Batch: 804906

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 804417

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.102		mg/L		102	80 - 120
Barium	0.100	0.0972		mg/L		97	80 - 120
Beryllium	0.0500	0.0510		mg/L		102	80 - 120
Boron	0.400	0.390	J	mg/L		97	80 - 120
Cadmium	0.0500	0.0497		mg/L		99	80 - 120
Calcium	5.00	5.15		mg/L		103	80 - 120
Chromium	0.100	0.105		mg/L		105	80 - 120
Cobalt	0.0500	0.0526		mg/L		105	80 - 120
Molybdenum	0.100	0.104		mg/L		104	80 - 120
Lead	0.500	0.514		mg/L		103	80 - 120
Antimony	0.0500	0.0520		mg/L		104	80 - 120
Selenium	0.100	0.100		mg/L		100	80 - 120
Thallium	0.0500	0.0477		mg/L		95	80 - 120
Lithium	0.500	0.487		mg/L		97	80 - 120

Lab Sample ID: MB 680-804419/1-A
Matrix: Water
Analysis Batch: 804717

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 804419

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/25/23 06:36	10/25/23 21:06	1
Barium	<0.00089		0.025	0.00089	mg/L		10/25/23 06:36	10/25/23 21:06	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 06:36	10/25/23 21:06	1
Boron	<0.022		0.50	0.022	mg/L		10/25/23 06:36	10/25/23 21:06	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 06:36	10/25/23 21:06	1
Calcium	<0.14		2.5	0.14	mg/L		10/25/23 06:36	10/25/23 21:06	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/25/23 06:36	10/25/23 21:06	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/25/23 06:36	10/25/23 21:06	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/25/23 06:36	10/25/23 21:06	1
Lead	<0.00021		0.013	0.00021	mg/L		10/25/23 06:36	10/25/23 21:06	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 06:36	10/25/23 21:06	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 06:36	10/25/23 21:06	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 06:36	10/25/23 21:06	1
Lithium	<0.0020		0.025	0.0020	mg/L		10/25/23 06:36	10/25/23 21:06	1

Lab Sample ID: LCS 680-804419/2-A
Matrix: Water
Analysis Batch: 804717

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 804419

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.108		mg/L		108	80 - 120

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

Lab Sample ID: LCS 680-804419/2-A
Matrix: Water
Analysis Batch: 804717

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 804419

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.100	0.111		mg/L		111	80 - 120
Beryllium	0.0500	0.0491		mg/L		98	80 - 120
Boron	0.400	0.380	J	mg/L		95	80 - 120
Cadmium	0.0500	0.0522		mg/L		104	80 - 120
Calcium	5.00	5.14		mg/L		103	80 - 120
Chromium	0.100	0.105		mg/L		105	80 - 120
Cobalt	0.0500	0.0571		mg/L		114	80 - 120
Molybdenum	0.100	0.100		mg/L		100	80 - 120
Lead	0.500	0.560		mg/L		112	80 - 120
Antimony	0.0500	0.0550		mg/L		110	80 - 120
Selenium	0.100	0.100		mg/L		100	80 - 120
Thallium	0.0500	0.0522		mg/L		104	80 - 120
Lithium	0.500	0.484		mg/L		97	80 - 120

Lab Sample ID: MB 680-804904/1-A
Matrix: Water
Analysis Batch: 805227

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 804904

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/27/23 07:41	10/28/23 00:28	1
Barium	<0.00089		0.025	0.00089	mg/L		10/27/23 07:41	10/28/23 00:28	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/27/23 07:41	10/28/23 00:28	1
Boron	<0.022		0.50	0.022	mg/L		10/27/23 07:41	10/28/23 00:28	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/27/23 07:41	10/28/23 00:28	1
Calcium	<0.14		2.5	0.14	mg/L		10/27/23 07:41	10/28/23 00:28	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/27/23 07:41	10/28/23 00:28	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/27/23 07:41	10/28/23 00:28	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/27/23 07:41	10/28/23 00:28	1
Lead	<0.00021		0.013	0.00021	mg/L		10/27/23 07:41	10/28/23 00:28	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/27/23 07:41	10/28/23 00:28	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/27/23 07:41	10/28/23 00:28	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/27/23 07:41	10/28/23 00:28	1
Lithium	<0.0020		0.025	0.0020	mg/L		10/27/23 07:41	10/28/23 00:28	1

Lab Sample ID: LCS 680-804904/2-A
Matrix: Water
Analysis Batch: 805227

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 804904

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.104		mg/L		104	80 - 120
Barium	0.100	0.105		mg/L		105	80 - 120
Beryllium	0.0500	0.0505		mg/L		101	80 - 120
Boron	0.400	0.435	J	mg/L		109	80 - 120
Cadmium	0.0500	0.0523		mg/L		105	80 - 120
Calcium	5.00	5.25		mg/L		105	80 - 120
Chromium	0.100	0.107		mg/L		107	80 - 120
Cobalt	0.0500	0.0522		mg/L		104	80 - 120
Molybdenum	0.100	0.100		mg/L		100	80 - 120
Lead	0.500	0.514		mg/L		103	80 - 120

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

Lab Sample ID: LCS 680-804904/2-A
Matrix: Water
Analysis Batch: 805227

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 804904

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0542		mg/L		108	80 - 120
Selenium	0.100	0.104		mg/L		104	80 - 120
Thallium	0.0500	0.0506		mg/L		101	80 - 120
Lithium	0.500	0.497		mg/L		99	80 - 120

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-449847/1-A
Matrix: Water
Analysis Batch: 450092

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 449847

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/23/23 09:30	10/24/23 12:41	1

Lab Sample ID: LCS 180-449847/2-A
Matrix: Water
Analysis Batch: 450092

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 449847

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00242		mg/L		97	80 - 120

Lab Sample ID: 180-164215-1 MS
Matrix: Water
Analysis Batch: 450092

Client Sample ID: APMW-16
Prep Type: Total/NA
Prep Batch: 449847

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00013		0.00100	0.000898		mg/L		90	75 - 125

Lab Sample ID: 180-164215-1 MSD
Matrix: Water
Analysis Batch: 450092

Client Sample ID: APMW-16
Prep Type: Total/NA
Prep Batch: 449847

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00013		0.00100	0.000905		mg/L		91	75 - 125	1	20

Lab Sample ID: MB 180-449971/1-A
Matrix: Water
Analysis Batch: 450092

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 449971

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/24/23 09:30	10/24/23 14:24	1

Lab Sample ID: LCS 180-449971/2-A
Matrix: Water
Analysis Batch: 450092

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 449971

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00240		mg/L		96	80 - 120

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

Lab Sample ID: 180-164261-1 MS
Matrix: Water
Analysis Batch: 450092

Client Sample ID: APMW-4D
Prep Type: Total/NA
Prep Batch: 449971

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00013		0.00100	0.000891		mg/L		89	75 - 125

Lab Sample ID: 180-164261-1 MSD
Matrix: Water
Analysis Batch: 450092

Client Sample ID: APMW-4D
Prep Type: Total/NA
Prep Batch: 449971

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00013		0.00100	0.000929		mg/L		93	75 - 125	4	20

Lab Sample ID: MB 180-450146/1-A
Matrix: Water
Analysis Batch: 450333

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 450146

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/25/23 08:45	10/26/23 12:35	1

Lab Sample ID: LCS 180-450146/2-A
Matrix: Water
Analysis Batch: 450333

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 450146

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00244		mg/L		98	80 - 120

Lab Sample ID: 180-164294-1 MS
Matrix: Water
Analysis Batch: 450333

Client Sample ID: APMW-8D
Prep Type: Total/NA
Prep Batch: 450146

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00013		0.00100	0.000974		mg/L		97	75 - 125

Lab Sample ID: 180-164294-1 MSD
Matrix: Water
Analysis Batch: 450333

Client Sample ID: APMW-8D
Prep Type: Total/NA
Prep Batch: 450146

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00013		0.00100	0.000980		mg/L		98	75 - 125	1	20

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

Lab Sample ID: MB 180-450221/1
Matrix: Water
Analysis Batch: 450221

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			10/25/23 14:54	1

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

Lab Sample ID: LCS 180-450221/2
Matrix: Water
Analysis Batch: 450221

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			336	324		mg/L		96	85 - 115		

Lab Sample ID: MB 180-450244/1
Matrix: Water
Analysis Batch: 450244

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			10/25/23 18:55	1

Lab Sample ID: LCS 180-450244/2
Matrix: Water
Analysis Batch: 450244

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			336	314		mg/L		93	85 - 115		

Lab Sample ID: 180-164215-8 DU
Matrix: Water
Analysis Batch: 450244

Client Sample ID: APMW-2D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	140			149		mg/L				4	10

Lab Sample ID: MB 180-450347/1
Matrix: Water
Analysis Batch: 450347

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			10/26/23 17:51	1

Lab Sample ID: LCS 180-450347/2
Matrix: Water
Analysis Batch: 450347

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			336	332		mg/L		99	85 - 115		

Lab Sample ID: 180-164261-3 DU
Matrix: Water
Analysis Batch: 450347

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

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	130			134		mg/L				NC	10

Lab Sample ID: 180-164294-1 DU
Matrix: Water
Analysis Batch: 450347

Client Sample ID: APMW-8D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	110			122		mg/L				7	10

HPLC/IC

Analysis Batch: 450035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164215-5	APMW-1R	Total/NA	Water	300.0	
180-164215-5	APMW-1R	Total/NA	Water	300.0	
180-164215-7	DUP-02	Total/NA	Water	300.0	
180-164215-7	DUP-02	Total/NA	Water	300.0	
180-164215-8	APMW-2D	Total/NA	Water	300.0	
180-164215-9	APMW-2	Total/NA	Water	300.0	
180-164215-9	APMW-2	Total/NA	Water	300.0	
180-164215-10	APMW-3	Total/NA	Water	300.0	
180-164215-10	APMW-3	Total/NA	Water	300.0	
180-164215-11	APMW-3D	Total/NA	Water	300.0	
180-164215-12	EB-01	Total/NA	Water	300.0	
180-164215-13	FB-01	Total/NA	Water	300.0	
180-164261-3	APMW-5D	Total/NA	Water	300.0	
180-164261-4	APMW-5	Total/NA	Water	300.0	
180-164261-4	APMW-5	Total/NA	Water	300.0	
180-164261-5	APMW-6D	Total/NA	Water	300.0	
180-164261-6	APMW-6R	Total/NA	Water	300.0	
180-164261-6	APMW-6R	Total/NA	Water	300.0	
180-164261-7	APMW-7	Total/NA	Water	300.0	
180-164261-7	APMW-7	Total/NA	Water	300.0	
180-164261-8	APMW-8	Total/NA	Water	300.0	
180-164261-8	APMW-8	Total/NA	Water	300.0	
180-164261-9	DUP-03	Total/NA	Water	300.0	
180-164261-9	DUP-03	Total/NA	Water	300.0	
180-164261-10	FB-02	Total/NA	Water	300.0	
180-164261-11	EB-02	Total/NA	Water	300.0	
MB 180-450035/36	Method Blank	Total/NA	Water	300.0	
MB 180-450035/6	Method Blank	Total/NA	Water	300.0	
LCS 180-450035/37	Lab Control Sample	Total/NA	Water	300.0	
LCS 180-450035/7	Lab Control Sample	Total/NA	Water	300.0	
180-164215-11 MS	APMW-3D	Total/NA	Water	300.0	
180-164215-11 MSD	APMW-3D	Total/NA	Water	300.0	
180-164261-5 MS	APMW-6D	Total/NA	Water	300.0	
180-164261-5 MSD	APMW-6D	Total/NA	Water	300.0	

Analysis Batch: 450036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164215-1	APMW-16	Total/NA	Water	300.0	
180-164215-1	APMW-16	Total/NA	Water	300.0	
180-164215-2	APMW-15	Total/NA	Water	300.0	
180-164215-2	APMW-15	Total/NA	Water	300.0	
180-164215-3	APMW-14	Total/NA	Water	300.0	
180-164215-3	APMW-14	Total/NA	Water	300.0	
180-164215-4	APMW-13	Total/NA	Water	300.0	
180-164215-4	APMW-13	Total/NA	Water	300.0	
180-164215-6	DUP-01	Total/NA	Water	300.0	
180-164215-6	DUP-01	Total/NA	Water	300.0	
180-164261-1	APMW-4D	Total/NA	Water	300.0	
180-164261-1	APMW-4D	Total/NA	Water	300.0	
180-164261-2	APMW-4	Total/NA	Water	300.0	
180-164261-2	APMW-4	Total/NA	Water	300.0	

HPLC/IC (Continued)

Analysis Batch: 450036 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-450036/6	Method Blank	Total/NA	Water	300.0	
LCS 180-450036/7	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 450167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164294-1	APMW-8D	Total/NA	Water	300.0	
180-164294-2	APMW-9	Total/NA	Water	300.0	
180-164294-2	APMW-9	Total/NA	Water	300.0	
180-164294-3	APMW-10	Total/NA	Water	300.0	
180-164294-4	APMW-10D	Total/NA	Water	300.0	
180-164294-5	APMW-11	Total/NA	Water	300.0	
180-164294-6	APMW-12	Total/NA	Water	300.0	
180-164294-7	FB-03	Total/NA	Water	300.0	
180-164294-8	EB-03	Total/NA	Water	300.0	
180-164294-9	DUP-04	Total/NA	Water	300.0	
MB 180-450167/6	Method Blank	Total/NA	Water	300.0	
LCS 180-450167/7	Lab Control Sample	Total/NA	Water	300.0	
180-164294-1 MS	APMW-8D	Total/NA	Water	300.0	
180-164294-1 MSD	APMW-8D	Total/NA	Water	300.0	
180-164294-4 MS	APMW-10D	Total/NA	Water	300.0	
180-164294-4 MSD	APMW-10D	Total/NA	Water	300.0	

Metals

Prep Batch: 449847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164215-1	APMW-16	Total/NA	Water	7470A	
180-164215-2	APMW-15	Total/NA	Water	7470A	
180-164215-3	APMW-14	Total/NA	Water	7470A	
180-164215-4	APMW-13	Total/NA	Water	7470A	
180-164215-5	APMW-1R	Total/NA	Water	7470A	
180-164215-6	DUP-01	Total/NA	Water	7470A	
180-164215-7	DUP-02	Total/NA	Water	7470A	
180-164215-8	APMW-2D	Total/NA	Water	7470A	
180-164215-9	APMW-2	Total/NA	Water	7470A	
180-164215-10	APMW-3	Total/NA	Water	7470A	
180-164215-11	APMW-3D	Total/NA	Water	7470A	
180-164215-12	EB-01	Total/NA	Water	7470A	
180-164215-13	FB-01	Total/NA	Water	7470A	
MB 180-449847/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-449847/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-164215-1 MS	APMW-16	Total/NA	Water	7470A	
180-164215-1 MSD	APMW-16	Total/NA	Water	7470A	

Prep Batch: 449971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164261-1	APMW-4D	Total/NA	Water	7470A	
180-164261-2	APMW-4	Total/NA	Water	7470A	
180-164261-3	APMW-5D	Total/NA	Water	7470A	
180-164261-4	APMW-5	Total/NA	Water	7470A	
180-164261-5	APMW-6D	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 449971 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164261-6	APMW-6R	Total/NA	Water	7470A	
180-164261-7	APMW-7	Total/NA	Water	7470A	
180-164261-8	APMW-8	Total/NA	Water	7470A	
180-164261-9	DUP-03	Total/NA	Water	7470A	
180-164261-10	FB-02	Total/NA	Water	7470A	
180-164261-11	EB-02	Total/NA	Water	7470A	
MB 180-449971/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-449971/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-164261-1 MS	APMW-4D	Total/NA	Water	7470A	
180-164261-1 MSD	APMW-4D	Total/NA	Water	7470A	

Analysis Batch: 450092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164215-1	APMW-16	Total/NA	Water	EPA 7470A	449847
180-164215-2	APMW-15	Total/NA	Water	EPA 7470A	449847
180-164215-3	APMW-14	Total/NA	Water	EPA 7470A	449847
180-164215-4	APMW-13	Total/NA	Water	EPA 7470A	449847
180-164215-5	APMW-1R	Total/NA	Water	EPA 7470A	449847
180-164215-6	DUP-01	Total/NA	Water	EPA 7470A	449847
180-164215-7	DUP-02	Total/NA	Water	EPA 7470A	449847
180-164215-8	APMW-2D	Total/NA	Water	EPA 7470A	449847
180-164215-9	APMW-2	Total/NA	Water	EPA 7470A	449847
180-164215-10	APMW-3	Total/NA	Water	EPA 7470A	449847
180-164215-11	APMW-3D	Total/NA	Water	EPA 7470A	449847
180-164215-12	EB-01	Total/NA	Water	EPA 7470A	449847
180-164215-13	FB-01	Total/NA	Water	EPA 7470A	449847
180-164261-1	APMW-4D	Total/NA	Water	EPA 7470A	449971
180-164261-2	APMW-4	Total/NA	Water	EPA 7470A	449971
180-164261-3	APMW-5D	Total/NA	Water	EPA 7470A	449971
180-164261-4	APMW-5	Total/NA	Water	EPA 7470A	449971
180-164261-5	APMW-6D	Total/NA	Water	EPA 7470A	449971
180-164261-6	APMW-6R	Total/NA	Water	EPA 7470A	449971
180-164261-7	APMW-7	Total/NA	Water	EPA 7470A	449971
180-164261-8	APMW-8	Total/NA	Water	EPA 7470A	449971
180-164261-9	DUP-03	Total/NA	Water	EPA 7470A	449971
180-164261-10	FB-02	Total/NA	Water	EPA 7470A	449971
180-164261-11	EB-02	Total/NA	Water	EPA 7470A	449971
MB 180-449847/1-A	Method Blank	Total/NA	Water	EPA 7470A	449847
MB 180-449971/1-A	Method Blank	Total/NA	Water	EPA 7470A	449971
LCS 180-449847/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	449847
LCS 180-449971/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	449971
180-164215-1 MS	APMW-16	Total/NA	Water	EPA 7470A	449847
180-164215-1 MSD	APMW-16	Total/NA	Water	EPA 7470A	449847
180-164261-1 MS	APMW-4D	Total/NA	Water	EPA 7470A	449971
180-164261-1 MSD	APMW-4D	Total/NA	Water	EPA 7470A	449971

Prep Batch: 450146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164294-1	APMW-8D	Total/NA	Water	7470A	
180-164294-2	APMW-9	Total/NA	Water	7470A	
180-164294-3	APMW-10	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 450146 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164294-4	APMW-10D	Total/NA	Water	7470A	
180-164294-5	APMW-11	Total/NA	Water	7470A	
180-164294-6	APMW-12	Total/NA	Water	7470A	
180-164294-7	FB-03	Total/NA	Water	7470A	
180-164294-8	EB-03	Total/NA	Water	7470A	
180-164294-9	DUP-04	Total/NA	Water	7470A	
MB 180-450146/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-450146/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-164294-1 MS	APMW-8D	Total/NA	Water	7470A	
180-164294-1 MSD	APMW-8D	Total/NA	Water	7470A	

Analysis Batch: 450333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164294-1	APMW-8D	Total/NA	Water	EPA 7470A	450146
180-164294-2	APMW-9	Total/NA	Water	EPA 7470A	450146
180-164294-3	APMW-10	Total/NA	Water	EPA 7470A	450146
180-164294-4	APMW-10D	Total/NA	Water	EPA 7470A	450146
180-164294-5	APMW-11	Total/NA	Water	EPA 7470A	450146
180-164294-6	APMW-12	Total/NA	Water	EPA 7470A	450146
180-164294-7	FB-03	Total/NA	Water	EPA 7470A	450146
180-164294-8	EB-03	Total/NA	Water	EPA 7470A	450146
180-164294-9	DUP-04	Total/NA	Water	EPA 7470A	450146
MB 180-450146/1-A	Method Blank	Total/NA	Water	EPA 7470A	450146
LCS 180-450146/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	450146
180-164294-1 MS	APMW-8D	Total/NA	Water	EPA 7470A	450146
180-164294-1 MSD	APMW-8D	Total/NA	Water	EPA 7470A	450146

Prep Batch: 804417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164215-1	APMW-16	Total Recoverable	Water	3005A	
180-164215-2	APMW-15	Total Recoverable	Water	3005A	
180-164215-3	APMW-14	Total Recoverable	Water	3005A	
180-164215-4	APMW-13	Total Recoverable	Water	3005A	
180-164215-5	APMW-1R	Total Recoverable	Water	3005A	
180-164215-6	DUP-01	Total Recoverable	Water	3005A	
180-164215-7	DUP-02	Total Recoverable	Water	3005A	
180-164215-8	APMW-2D	Total Recoverable	Water	3005A	
180-164215-9	APMW-2	Total Recoverable	Water	3005A	
180-164215-10	APMW-3	Total Recoverable	Water	3005A	
180-164215-11	APMW-3D	Total Recoverable	Water	3005A	
180-164215-12	EB-01	Total Recoverable	Water	3005A	
180-164215-13	FB-01	Total Recoverable	Water	3005A	
MB 680-804417/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-804417/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 804419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164261-1	APMW-4D	Total Recoverable	Water	3005A	
180-164261-2	APMW-4	Total Recoverable	Water	3005A	
180-164261-3	APMW-5D	Total Recoverable	Water	3005A	
180-164261-4	APMW-5	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 804419 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164261-5	APMW-6D	Total Recoverable	Water	3005A	
180-164261-6	APMW-6R	Total Recoverable	Water	3005A	
180-164261-7	APMW-7	Total Recoverable	Water	3005A	
180-164261-8	APMW-8	Total Recoverable	Water	3005A	
180-164261-9	DUP-03	Total Recoverable	Water	3005A	
180-164261-10	FB-02	Total Recoverable	Water	3005A	
180-164261-11	EB-02	Total Recoverable	Water	3005A	
MB 680-804419/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-804419/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 804717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164261-1	APMW-4D	Total Recoverable	Water	6020B	804419
180-164261-2	APMW-4	Total Recoverable	Water	6020B	804419
180-164261-3	APMW-5D	Total Recoverable	Water	6020B	804419
180-164261-4	APMW-5	Total Recoverable	Water	6020B	804419
180-164261-5	APMW-6D	Total Recoverable	Water	6020B	804419
180-164261-6	APMW-6R	Total Recoverable	Water	6020B	804419
180-164261-7	APMW-7	Total Recoverable	Water	6020B	804419
180-164261-8	APMW-8	Total Recoverable	Water	6020B	804419
180-164261-9	DUP-03	Total Recoverable	Water	6020B	804419
180-164261-10	FB-02	Total Recoverable	Water	6020B	804419
180-164261-11	EB-02	Total Recoverable	Water	6020B	804419
MB 680-804419/1-A	Method Blank	Total Recoverable	Water	6020B	804419
LCS 680-804419/2-A	Lab Control Sample	Total Recoverable	Water	6020B	804419

Prep Batch: 804904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164294-1	APMW-8D	Total Recoverable	Water	3005A	
180-164294-2	APMW-9	Total Recoverable	Water	3005A	
180-164294-3	APMW-10	Total Recoverable	Water	3005A	
180-164294-4	APMW-10D	Total Recoverable	Water	3005A	
180-164294-5	APMW-11	Total Recoverable	Water	3005A	
180-164294-6	APMW-12	Total Recoverable	Water	3005A	
180-164294-7	FB-03	Total Recoverable	Water	3005A	
180-164294-8	EB-03	Total Recoverable	Water	3005A	
180-164294-9	DUP-04	Total Recoverable	Water	3005A	
MB 680-804904/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-804904/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 804906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164215-1	APMW-16	Total Recoverable	Water	6020B	804417
180-164215-2	APMW-15	Total Recoverable	Water	6020B	804417
180-164215-3	APMW-14	Total Recoverable	Water	6020B	804417
180-164215-4	APMW-13	Total Recoverable	Water	6020B	804417
180-164215-5	APMW-1R	Total Recoverable	Water	6020B	804417
180-164215-6	DUP-01	Total Recoverable	Water	6020B	804417
180-164215-7	DUP-02	Total Recoverable	Water	6020B	804417
180-164215-8	APMW-2D	Total Recoverable	Water	6020B	804417
180-164215-9	APMW-2	Total Recoverable	Water	6020B	804417

Metals (Continued)

Analysis Batch: 804906 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164215-10	APMW-3	Total Recoverable	Water	6020B	804417
180-164215-11	APMW-3D	Total Recoverable	Water	6020B	804417
180-164215-12	EB-01	Total Recoverable	Water	6020B	804417
180-164215-13	FB-01	Total Recoverable	Water	6020B	804417
180-164261-6	APMW-6R	Total Recoverable	Water	6020B	804419
180-164261-7	APMW-7	Total Recoverable	Water	6020B	804419
180-164261-8	APMW-8	Total Recoverable	Water	6020B	804419
180-164261-9	DUP-03	Total Recoverable	Water	6020B	804419
180-164261-10	FB-02	Total Recoverable	Water	6020B	804419
180-164261-11	EB-02	Total Recoverable	Water	6020B	804419
MB 680-804417/1-A	Method Blank	Total Recoverable	Water	6020B	804417
LCS 680-804417/2-A	Lab Control Sample	Total Recoverable	Water	6020B	804417

Analysis Batch: 805227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164294-1	APMW-8D	Total Recoverable	Water	6020B	804904
180-164294-2	APMW-9	Total Recoverable	Water	6020B	804904
180-164294-3	APMW-10	Total Recoverable	Water	6020B	804904
180-164294-4	APMW-10D	Total Recoverable	Water	6020B	804904
180-164294-5	APMW-11	Total Recoverable	Water	6020B	804904
180-164294-6	APMW-12	Total Recoverable	Water	6020B	804904
180-164294-7	FB-03	Total Recoverable	Water	6020B	804904
180-164294-8	EB-03	Total Recoverable	Water	6020B	804904
180-164294-9	DUP-04	Total Recoverable	Water	6020B	804904
MB 680-804904/1-A	Method Blank	Total Recoverable	Water	6020B	804904
LCS 680-804904/2-A	Lab Control Sample	Total Recoverable	Water	6020B	804904

General Chemistry

Analysis Batch: 450221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164215-1	APMW-16	Total/NA	Water	SM 2540C	
180-164215-2	APMW-15	Total/NA	Water	SM 2540C	
180-164215-3	APMW-14	Total/NA	Water	SM 2540C	
180-164215-4	APMW-13	Total/NA	Water	SM 2540C	
180-164215-5	APMW-1R	Total/NA	Water	SM 2540C	
180-164215-6	DUP-01	Total/NA	Water	SM 2540C	
MB 180-450221/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-450221/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 450244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164215-7	DUP-02	Total/NA	Water	SM 2540C	
180-164215-8	APMW-2D	Total/NA	Water	SM 2540C	
180-164215-9	APMW-2	Total/NA	Water	SM 2540C	
180-164215-10	APMW-3	Total/NA	Water	SM 2540C	
180-164215-11	APMW-3D	Total/NA	Water	SM 2540C	
180-164215-12	EB-01	Total/NA	Water	SM 2540C	
180-164215-13	FB-01	Total/NA	Water	SM 2540C	
180-164261-1	APMW-4D	Total/NA	Water	SM 2540C	
180-164261-2	APMW-4	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 450244 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-450244/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-450244/2	Lab Control Sample	Total/NA	Water	SM 2540C	
180-164215-8 DU	APMW-2D	Total/NA	Water	SM 2540C	

Analysis Batch: 450347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164261-3	APMW-5D	Total/NA	Water	SM 2540C	
180-164261-4	APMW-5	Total/NA	Water	SM 2540C	
180-164261-5	APMW-6D	Total/NA	Water	SM 2540C	
180-164261-6	APMW-6R	Total/NA	Water	SM 2540C	
180-164261-7	APMW-7	Total/NA	Water	SM 2540C	
180-164261-8	APMW-8	Total/NA	Water	SM 2540C	
180-164261-9	DUP-03	Total/NA	Water	SM 2540C	
180-164261-10	FB-02	Total/NA	Water	SM 2540C	
180-164261-11	EB-02	Total/NA	Water	SM 2540C	
180-164294-1	APMW-8D	Total/NA	Water	SM 2540C	
180-164294-2	APMW-9	Total/NA	Water	SM 2540C	
180-164294-3	APMW-10	Total/NA	Water	SM 2540C	
180-164294-4	APMW-10D	Total/NA	Water	SM 2540C	
180-164294-5	APMW-11	Total/NA	Water	SM 2540C	
180-164294-6	APMW-12	Total/NA	Water	SM 2540C	
180-164294-7	FB-03	Total/NA	Water	SM 2540C	
180-164294-8	EB-03	Total/NA	Water	SM 2540C	
180-164294-9	DUP-04	Total/NA	Water	SM 2540C	
MB 180-450347/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-450347/2	Lab Control Sample	Total/NA	Water	SM 2540C	
180-164261-3 DU	APMW-5D	Total/NA	Water	SM 2540C	
180-164294-1 DU	APMW-8D	Total/NA	Water	SM 2540C	

Field Service / Mobile Lab

Analysis Batch: 451729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164215-1	APMW-16	Total/NA	Water	Field Sampling	
180-164215-2	APMW-15	Total/NA	Water	Field Sampling	
180-164215-3	APMW-14	Total/NA	Water	Field Sampling	
180-164215-4	APMW-13	Total/NA	Water	Field Sampling	
180-164215-5	APMW-1R	Total/NA	Water	Field Sampling	
180-164215-8	APMW-2D	Total/NA	Water	Field Sampling	
180-164215-9	APMW-2	Total/NA	Water	Field Sampling	
180-164215-10	APMW-3	Total/NA	Water	Field Sampling	
180-164215-11	APMW-3D	Total/NA	Water	Field Sampling	

Analysis Batch: 451744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164261-1	APMW-4D	Total/NA	Water	Field Sampling	
180-164261-2	APMW-4	Total/NA	Water	Field Sampling	
180-164261-3	APMW-5D	Total/NA	Water	Field Sampling	
180-164261-4	APMW-5	Total/NA	Water	Field Sampling	
180-164261-5	APMW-6D	Total/NA	Water	Field Sampling	
180-164261-6	APMW-6R	Total/NA	Water	Field Sampling	

Field Service / Mobile Lab (Continued)

Analysis Batch: 451744 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164261-7	APMW-7	Total/NA	Water	Field Sampling	
180-164261-8	APMW-8	Total/NA	Water	Field Sampling	

Analysis Batch: 451746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164294-1	APMW-8D	Total/NA	Water	Field Sampling	
180-164294-2	APMW-9	Total/NA	Water	Field Sampling	
180-164294-3	APMW-10	Total/NA	Water	Field Sampling	
180-164294-4	APMW-10D	Total/NA	Water	Field Sampling	
180-164294-5	APMW-11	Total/NA	Water	Field Sampling	
180-164294-6	APMW-12	Total/NA	Water	Field Sampling	

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

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Rick Heyenbrock / Kevin Beaty	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 1 of 2
Company: SCS				Job #:

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

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total 6020 App III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	Total Number of containers	Note:
			Preservation Code:									
APMW-16	10-18-23	0938	G	water	No		X	X	X	X	4	
APMW-15	10-18-23	1051	G	water	No		X	X	X	X	4	
APMW-14	10-18-23	1249	G	water	No		X	X	X	X	4	
APMW-13	10-18-23	1406	G	water	No		X	X	X	X	4	
APMW-1R	10-19-23	0900	G	water	No		X	X	X	X	4	
DUP-01	10-18-23	1149	G	water	No		X	X	X	X	4	
DUP-02	10-19-23	0800	G	water	No		X	X	X	X	4	
APMW-2D	10-19-23	1018	G	water	No		X	X	X	X	4	
APMW-2	10-19-23	1131	G	water	No		X	X	X	X	4	
APMW-3	10-19-23	1247	G	water	No		X	X	X	X	4	
APMW-3D	10-19-23	1358	G	water	No		X	X	X	X	4	

180-164215 Chain of Custody

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	10-19-23 1504	RDT ENV.	[signature]	10/20/23 09:20	TEKNIF
2	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
3	Relinquished by:	Date/Time	Company	Received by	Date/Time	Company

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

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Rick Hagendorfer	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 2 of 2
Company: SCS				Job #:

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

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Preservation Code:	Field Filtered Sample (Yes or No)	Total 6020 App III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	Total Number of containers	Special Instructions/Note:
EB-01	10-19-23	1305	G	water	N		X	X	X	X	4	
FB-01	10-19-23	1300	G	water	N		X	X	X	X	4	

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by:	Date/Time: 10-19-23 1504	Company: ROH ENV.	Received by	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

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

Ver: 01/16/2019

11/14/2023

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

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Rick Hagendorfer / Kevin Beaty	Lab PM: Brown, Shali	Carrier Tracking No(s)	COC No
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 1 of 2
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: Alabama				
Phone: 205 992 6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Watson Ash Pond	Project #: 18020186			
Site:	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total 6020 App III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	Total Number of containers
			Preservation Code:								
APMW-16	10-18-23	0938	G	water	No		X	X	X	X	4
APMW-15	10-18-23	1051	G	water	No		X	X	X	X	4
APMW-14	10-18-23	1249	G	water	No		X	X	X	X	4
APMW-13	10-18-23	1406	G	water	No		X	X	X	X	4
APMW-1R	10-19-23	0900	G	water	No		X	X	X	X	4
DUP-01	10-18-23	1149	G	water	No		X	X	X	X	4
DUP-02	10-19-23	0800	G	water	No		X	X	X	X	4
APMW-2D	10-19-23	1018	G	water	No		X	X	X	X	4
APMW-2	10-19-23	1131	G	water	No		X	X	X	X	4
APMW-3	10-19-23	1247	G	water	No		X	X	X	X	4
APMW-3D	10-19-23	1358	G	water	No		X	X	X	X	4

Preservation Codes:

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

Other:

Note:

180-164215 Chain of Custody

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

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

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

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:		
Relinquished by: [signature]	Date/Time: 10-19-23 1504	Company: ROHEM	Received by: [signature]	Date/Time: 10/20/23 09:20	Company: TEATNE
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		

Ver: 01/16/2019

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

Chain of Custody Record

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Client Information	Sampler: Rick Hagenbarth	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 2 of 2
Company: SCS				Job #:

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

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Total Filtered Sample (Yes or No)	Total 6020 App III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
EB-01	10-19-23	1305	G	water	No	X	X	X	X	4	
FB-01	10-19-23	1300	G	water	No	X	X	X	X	4	

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by:	Date/Time: 10-19-23 1504	Company: ROH ENV.	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by	Date/Time	Company	Received by:	Date/Time	Company

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

Ver: 01/16/2019

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

Chain of Custody Record

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Client Information	Sampler: Rick Heyendorfer	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 1 of 1
Company: SCS				Job #:

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

Analysis Requested

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Total 6020 App III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
APMW-4D	10-19-23	1639	G	water	No	X	X	X	X	4	
APMW-4	10-19-23	1744	G	water	No	X	X	X	X	4	
APMW-5D	10-20-23	0906	G	water	No	X	X	X	X	4	
APMW-5	10-20-23	1017	G	water	No	X	X	X	X	4	
APMW-6D	10-20-23	1147	G	water	No	X	X	X	X	4	
APMW-6R	10-20-23	1245	G	water	No	X	X	X	X	4	
APMW-7	10-20-23	1408	G	water	No	X	X	X	X	4	
APMW-8	10-20-23	1503	G	water	No	X	X	X	X	4	
DUP-03	10-20-23	0917	G	water	No	X	X	X	X	4	
EB-02	10-20-23	1140	G	water	No	X	X	X	X	4	
EB-02	10-20-23	1210	G	water	No	X	X	X	X	4	

180-164261 Chain of Custody

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
1		10-20-23 1522	RDH ENV.		10/21/23 0905	EPITAVE
2	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
3	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

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

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

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

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Total 6020 App III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	Total Number of Containers	Special Instructions/Note:
			Preservation Code:								
APMW-8D	10-20-23	1723	G	water	N	X	X	X	X	4	
APMW-9	10-20-23	1823	G	water	N	X	X	X	X	4	
APMW-10	10-21-23	0815	G	water	N	X	X	X	X	4	
APMW-10D	10-21-23	0911	G	water	N	X	X	X	X	4	
APMW-11	10-21-23	1025	G	water	N	X	X	X	X	4	
APMW-12	10-21-23	1126	G	water	N	X	X	X	X	4	
FB-03	10-21-23	0947	G	water	N	X	X	X	X	4	
EB-03	10-21-23	0952	G	water	N	X	X	X	X	4	
DUP-04	10-21-23	0715	G	water	N	X	X	X	X	4	

180-164294 Chain of Custody

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		10-23-23 1305	ROH ENV.		10/24/23 10:22	EBHNE
2	Relinquished by:	Date/Time	Company	Received by	Date/Time	Company
3	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

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

Ver: 01/16/2019

Do not lift using this tag.

ORIGIN ID:BIXA (850) 336-0192
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 19OCT23
ACTWGT: 70.20 LB
CAD: 6993800/SSFE2441
DIMS: 24x14x13 IN
BILL THIRD PARTY

Part # 156297-[illegible] EXP 05/24

TO
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH PA 15238
(850) 336-0192 REF:
INV:
PO: DEPT:

Uncorrected temp 2.8 °C
Thermometer ID 20
CF -0.5 Initials PW
PT-WI-SR-001 effective 11/8/18

FedEx Express
E
J234023101501uv

2 of 3
MPS# 0263 7852 8428 9669
Mstr# 7852 8428 9658 0201

FRI - 20 OCT 10:30A
PRIORITY OVERNIGHT
AHS
15238
PA-US PIT

XS AGCA

RT 198 1 10:30
FZ 197 9669 10:20

180-164215 Waybill

Do not lift using this tag.

ORIGIN ID:BIXA (850) 336-0192
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 19OCT23
ACTWGT: 70.20 LB
CAD: 6993800/SSFE2441
DIMS: 24x14x13 IN
BILL THIRD PARTY

Part # 156297-[illegible] EXP 05/24

TO
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH PA 15238
(850) 336-0192 REF:
INV:
PO: DEPT:

Uncorrected temp 1.8 °C
Thermometer ID 20
CF -0.5 Initials PW
PT-WI-SR-001 effective 11/8/18

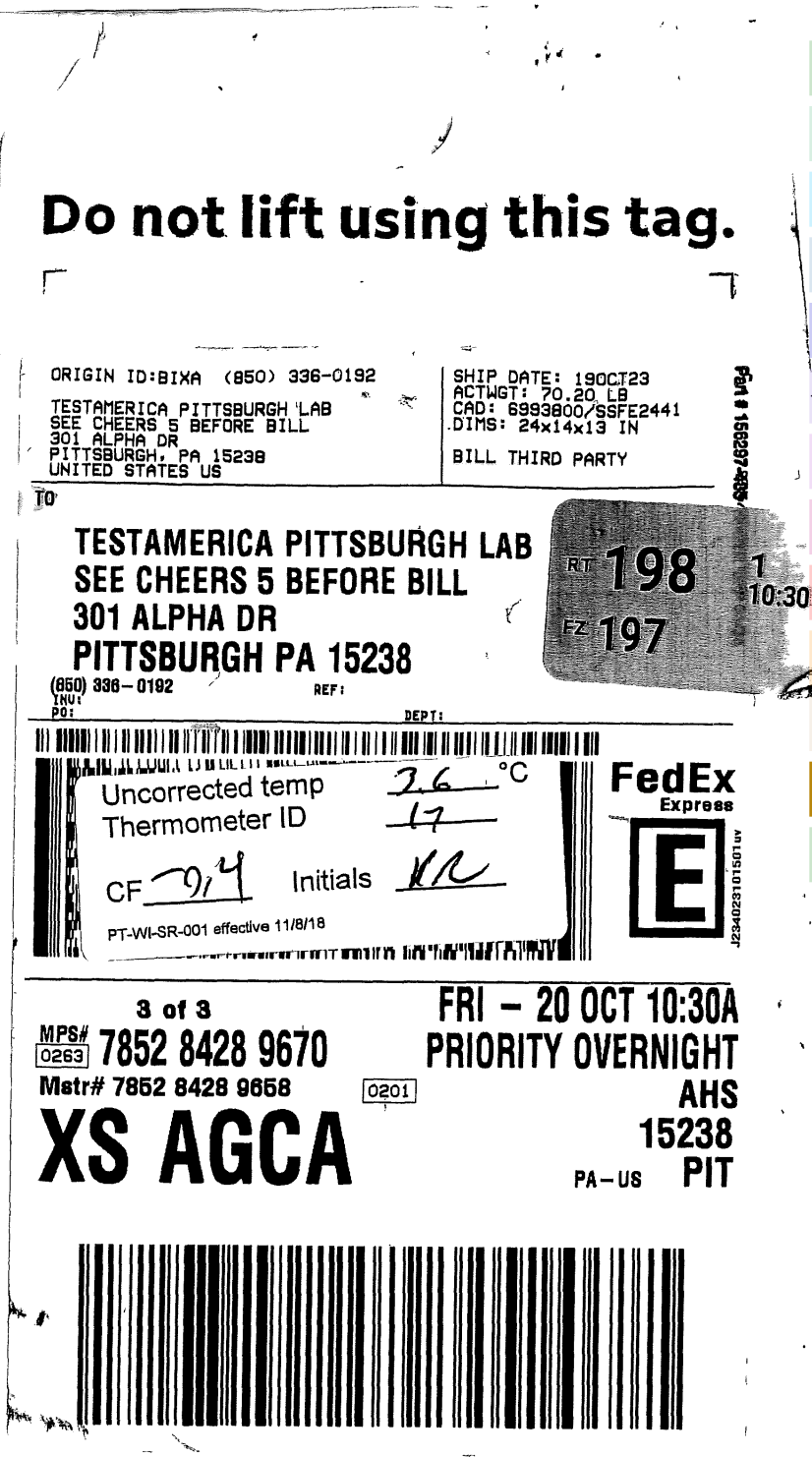
FedEx Express
E
J234023101501uv

1 of 3
TRK# 0201 7852 8428 9658
MASTER

FRI - 20 OCT 10:30A
PRIORITY OVERNIGHT
AHS
15238
PA-US PIT

XS AGCA

RT 198 1 10:30 A



Do not lift using this tag.

ORIGIN ID:BIXA (850) 336-0192
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 19OCT23
ACTWGT: 70.20 LB
CAD: 6993800/SSFE2441
DIMS: 24x14x13 IN
BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH PA 15238
(850) 336-0192
INV:
PO:
REF:
DEPT:

RT 198 1
FZ 197 10:30

Uncorrected temp 2.6 °C
Thermometer ID 17
CF 0.4 Initials KR
PT-WI-SR-001 effective 11/8/18

FedEx Express

3 of 3
MPS# 0263 7852 8428 9670
Mstr# 7852 8428 9658
0201
XS AGCA

FRI - 20 OCT 10:30A
PRIORITY OVERNIGHT
AHS
15238
PA-US PIT

Do not lift using this tag.

ORIGIN ID:BIXA (850) 336-0192

TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 19OCT23
ACTWGT: 70.20 LB
CAD: 6993800/SSFE2441
DIMS: 24x14x13 IN

BILL THIRD PARTY

Part # 156297-439 RRD SUP 05/24

TO

TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH PA 15238

(850) 336-0192 REF:
INV:
PO: DEPT:

Uncorrected temp 2.8 °C
Thermometer ID 20
CF -0.5 Initials PM
PT-WI-SR-001 effective 11/8/18

FedEx Express

2 of 3
MPS# 0263 7852 8428 9669
Mstr# 7852 8428 9658 0201

FRI – 20 OCT 10:30A
PRIORITY OVERNIGHT
AHS
15238
PA–US PIT

XS AGCA

RT 198 1 10:30
FZ 197 9669 10.20

180-164215 Waybill

Do not lift using this tag.

ORIGIN ID:BIXA (850) 336-0192

TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 19OCT23
ACTWGT: 70.20 LB
CAD: 6993800/SSFE2441
DIMS: 24x14x13 IN

BILL THIRD PARTY

Part # 156297-439 RRD SUP 05/24

TO

TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH PA 15238

(850) 336-0192 REF:
INV:
PO: DEPT:

Uncorrected temp 1.8 °C
Thermometer ID 20
CF -0.5 Initials PM
PT-WI-SR-001 effective 11/8/18

FedEx Express

1 of 3
TRK# 0201 7852 8428 9658
MASTER

FRI – 20 OCT 10:30A
PRIORITY OVERNIGHT
AHS
15238
PA–US PIT

XS AGCA

RT 198 1 10:30 A

Do not lift using this tag.

ORIGIN ID:BIXA (850) 336-0192
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 19OCT23
ACTWGT: 70.20 LB
CAD: 6993800/SSFE2441
DIMS: 24x14x13 IN
BILL THIRD PARTY

Part # 156287-835

TO
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH PA 15238
(850) 336-0192
INV:
PO:
REF:
DEPT:

RT 198 1
FZ 197
10:30

Uncorrected temp 3.6 °C
Thermometer ID 17
CF 0.4 Initials KR
PT-WI-SR-001 effective 11/8/18

FedEx Express

3 of 3
MPS# 0263 7852 8428 9670
Mstr# 7852 8428 9658
0201
XS AGCA

FRI - 20 OCT 10:30A
PRIORITY OVERNIGHT
AHS
15238
PA-US PIT

FedEx®

Do not lift using this tag.

ORIGIN ID:BIXA (850) 336-0192
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 20OCT23
ACTWGT: 70.00 LB
CAD: 6993799/SSFE2441
DIMS: 24x14x14 IN
BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH PA 15238
(850) 336-0192 REF:
INV:
PO: DEPT:

FedEx Express
E
J234023101501uv

Uncorrected temp 2.9 °C
Thermometer ID 22
CF -0.4 Initials [handwritten initials]
PT-WI-SR-001 effective 11/8/18

SATURDAY 12:00P
PRIORITY OVERNIGHT

2 of 3
MPS# 7853 3491 0868 0201
0263
Mstr# 7853 3491 0857

XO AGCA

AHS
15238
PA-US PIT

Part # 156297-435 RRDEZ EXP 05/24

180-164261 Waybill

FedEx Saturda

ORIGIN ID:BIXA (850) 336-0192
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 20OCT23
ACTWGT: 70.00 LB
CAD: 6993799/SSFE2441
DIMS: 24x14x14 IN
BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH PA 15238
(850) 336-0192 REF:
INV:
PO: DEPT:

Uncorrected temp 3.9 °C
Thermometer ID 22
CF -0.4 Initials [handwritten initials]
PT-WI-SR-001 effective 11/8/18

FedEx Express E
J234023101501uv

1 of 3
TRK# 0201 **7853 3491 0857**
MASTER
X0 AGCA

SATURDAY 12:00P
PRIORITY OVERNIGHT
AHS
15238
PA-US PIT

FedEx Express
SDR
FedEx Saturday Delivery
151967 REV 3/21

Part # 156297-435 RRDB EXP 05/24

SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH PA 15238
(850) 336-0192 REF:
INV:
PO: DEPT:

FedEx Express E
J234023101501uv

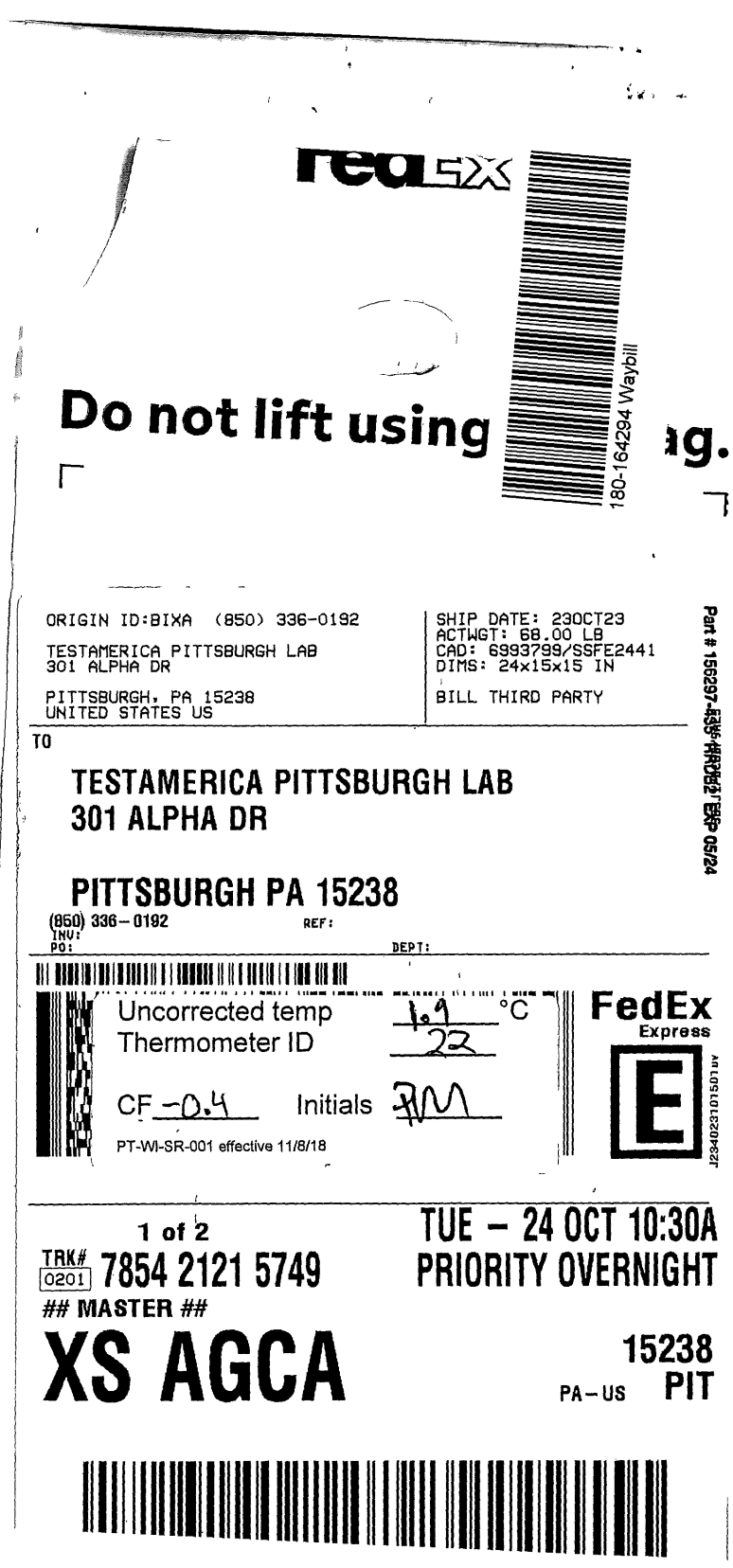
3 of 3
MPS# 0263 **7853 3491 0879**
Mstr# 7853 3491 0857 0201
X0 AGCA

SATURDAY 12:00P
PRIORITY OVERNIGHT
AHS
15238
PA-US PIT

Uncorrected temp 5.0 °C
Thermometer ID 22
CF -0.4 Initials [handwritten initials]
PT-WI-SR-001 effective 11/8/18

FedEx Express
SDR

297-435 RRDB EXP 05/24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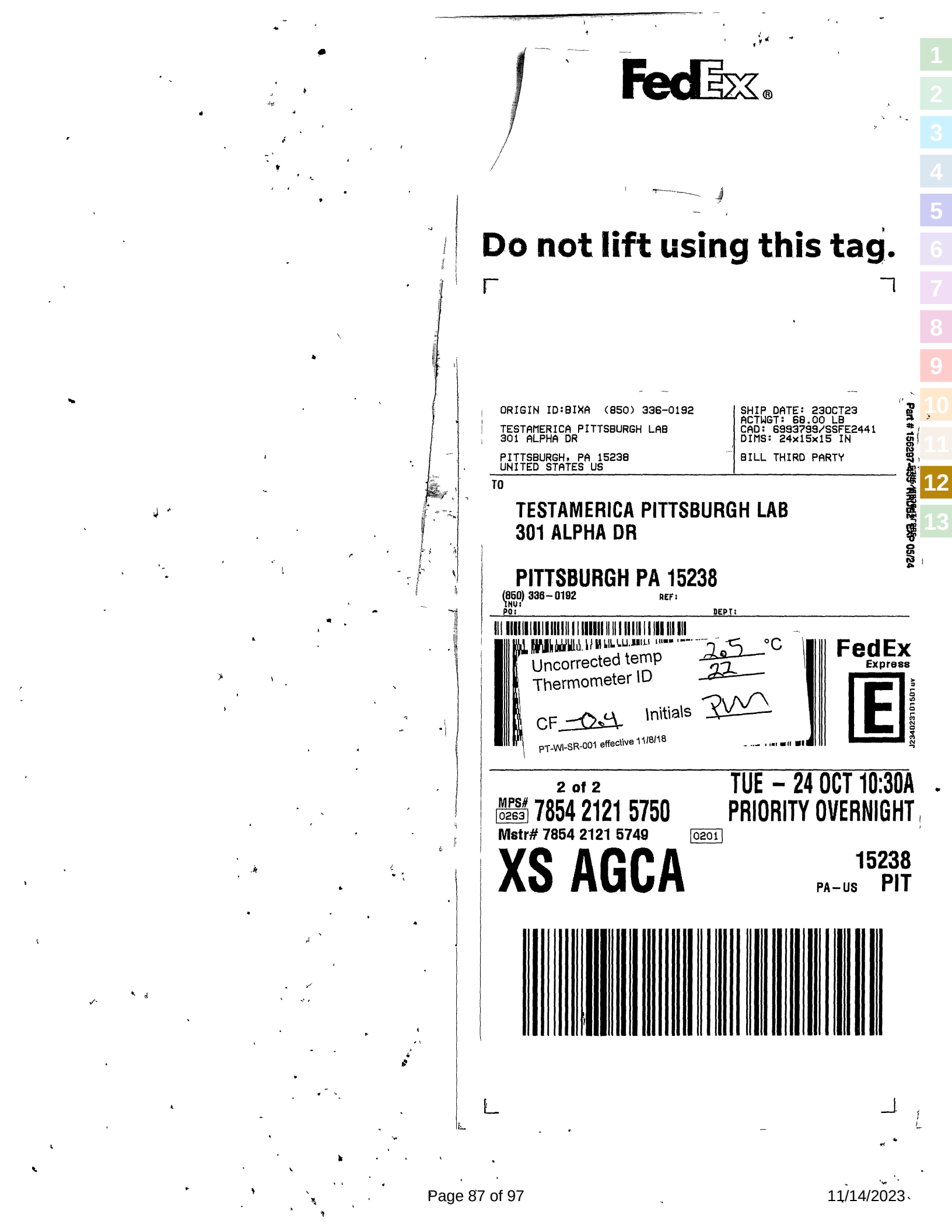
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US
SHIP DATE: 23OCT23
ACTWGT: 68.00 LB
CAD: 6993799/SSFE2441
DIMS: 24x15x15 IN
BILL THIRD PARTY
TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH PA 15238
(850) 336-0192
INV:
PO:
REF:
DEPT:
Uncorrected temp 1.9 °C
Thermometer ID 22
CF -0.4 Initials
PT-WI-SR-001 effective 11/8/18
FedEx Express
1 of 2
TRK# 0201 7854 2121 5749
TUE - 24 OCT 10:30A
PRIORITY OVERNIGHT
MASTER
XS AGCA
15238
PA-US PIT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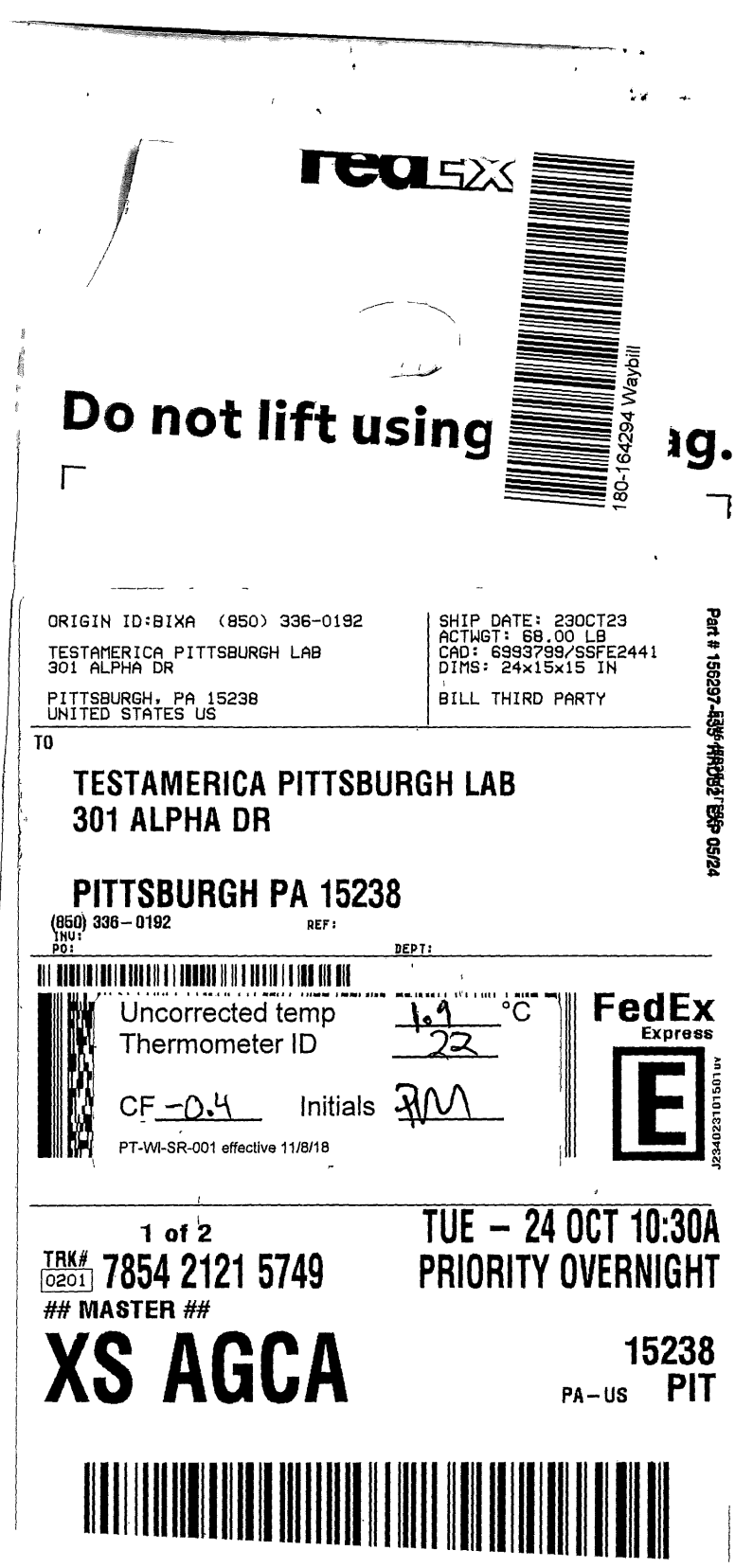
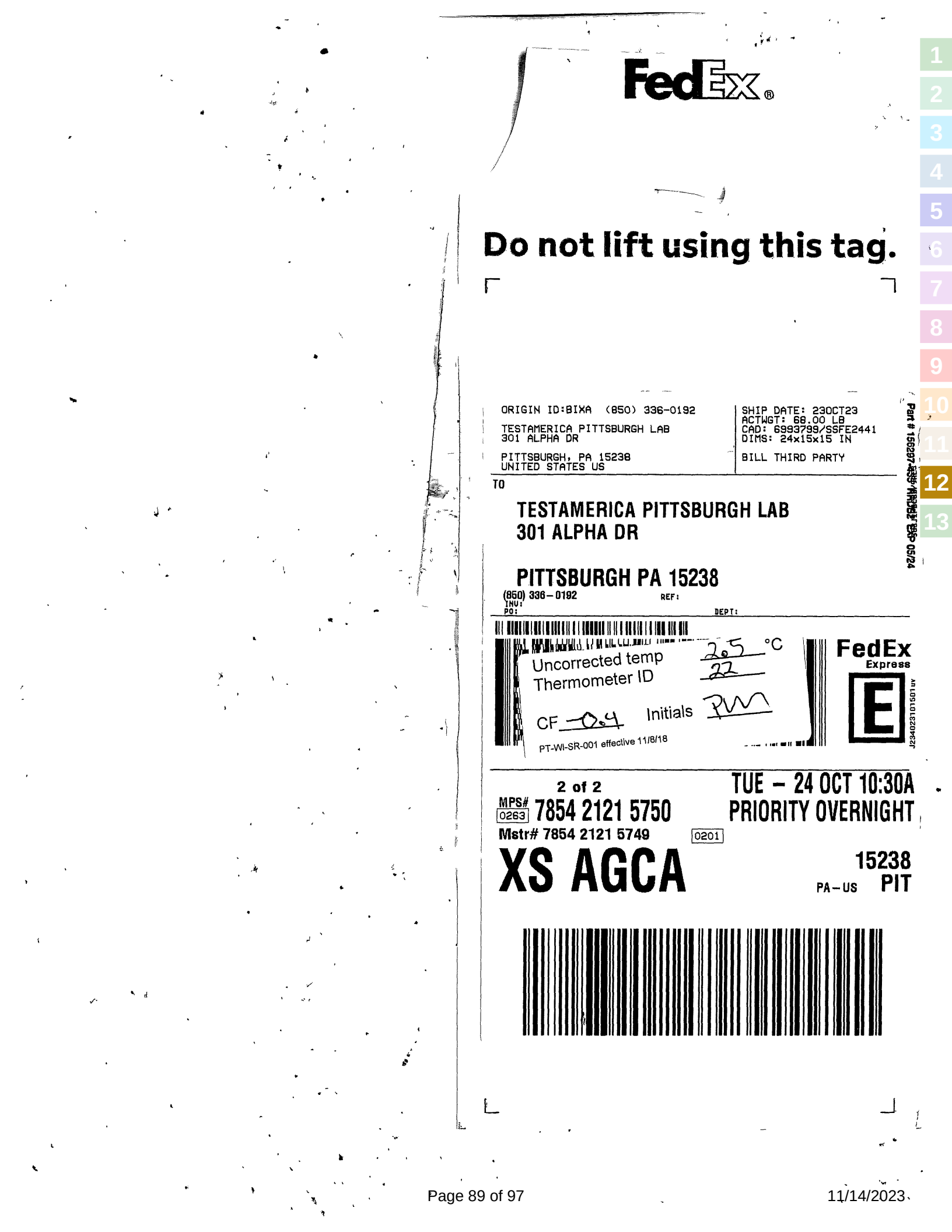
Do not lift using this tag.
ORIGIN ID:BIXA (850) 336-0192
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US
SHIP DATE: 23OCT23
ACTWGT: 68.00 LB
CAD: 6993799/SSFE2441
DIMS: 24x15x15 IN
BILL THIRD PARTY
TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH PA 15238
(850) 336-0192
INV:
PO:
REF:
DEPT:
Uncorrected temp 2.5 °C
Thermometer ID 22
CF -0.4 Initials RW
PT-WI-SR-001 effective 11/8/18
FedEx Express
2 of 2
MPS# 0263 7854 2121 5750
Mstr# 7854 2121 5749
0201
TUE - 24 OCT 10:30A
PRIORITY OVERNIGHT
XS AGCA
15238
PA-US PIT


Do not lift using
180-164294 Waybill
ORIGIN ID:BIXA (850) 336-0192
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US
SHIP DATE: 23OCT23
ACTWGT: 68.00 LB
CAD: 6993799/SSFE2441
DIMS: 24x15x15 IN
BILL THIRD PARTY
TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH PA 15238
(850) 336-0192
INV:
PO:
REF:
DEPT:
Uncorrected temp 1.9 °C
Thermometer ID 22
CF -0.4 Initials
PT-WI-SR-001 effective 11/8/18
FedEx Express
1 of 2
TRK# 0201 7854 2121 5749
TUE - 24 OCT 10:30A
PRIORITY OVERNIGHT
MASTER
XS AGCA
15238
PA-US PIT


FedEx
Do not lift using this tag.
ORIGIN ID:BIXA (850) 336-0192
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US
SHIP DATE: 23OCT23
ACTWGT: 68.00 LB
CAD: 6993799/SSFE2441
DIMS: 24x15x15 IN
BILL THIRD PARTY
TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH PA 15238
(850) 336-0192
INV:
PO:
REF:
DEPT:
Uncorrected temp 2.5 °C
Thermometer ID 22
CF -0.4 Initials RW
PT-WI-SR-001 effective 11/8/18
FedEx Express
2 of 2
MPS# 0263 7854 2121 5750
Mstr# 7854 2121 5749
0201
TUE - 24 OCT 10:30A
PRIORITY OVERNIGHT
XS AGCA
15238
PA-US PIT

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 180-498172.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 1 of 2
Company: Eurofins Environment Testing Southeast,		Accreditations Required (See note):		Job #: 180-164215-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 11/2/2023			
City: Savannah	TAT Requested (days):			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #:			
Email:	WO #:			
Project Name: Plant Watson Ash Pond	Project #: 18020186			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3005A Custom 14 (App III & IV)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
APMW-16 (180-164215-1)	10/18/23	09:38 Eastern		Water			X	1	
APMW-15 (180-164215-2)	10/18/23	10:51 Eastern		Water			X	1	
APMW-14 (180-164215-3)	10/18/23	12:49 Eastern		Water			X	1	
APMW-13 (180-164215-4)	10/18/23	14:06 Eastern		Water			X	1	
APMW-1R (180-164215-5)	10/19/23	09:00 Eastern		Water			X	1	
DUP-01 (180-164215-6)	10/18/23	11:49 Eastern		Water			X	1	
DUP-02 (180-164215-7)	10/19/23	08:00 Eastern		Water			X	1	
APMW-2D (180-164215-8)	10/19/23	10:18 Eastern		Water			X	1	
APMW-2 (180-164215-9)	10/19/23	11:31 Eastern		Water			X	1	

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

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

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	10/25/23 1700		TH	10-24-23	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				10:02	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 10.2 - 16.5

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 180-498172.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 2 of 2
Company: Eurofins Environment Testing Southeast,		Accreditations Required (See note):		Job #: 180-164215-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 11/2/2023			
City: Savannah	TAT Requested (days):			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #:			
Email:	WO #:			
Project Name: Plant Watson Ash Pond	Project #: 18020186			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3005A Custom 14 (App III & IV)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
APMW-3 (180-164215-10)	10/19/23	12:47 Eastern		Water			X	1	
APMW-3D (180-164215-11)	10/19/23	13:58 Eastern		Water			X	1	
EB-01 (180-164215-12)	10/19/23	13:05 Eastern		Water			X	1	
FB-01 (180-164215-13)	10/19/23	13:00 Eastern		Water			X	1	

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

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

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	10/23/23 1700		TH	10-24-23	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				10:03	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		16-2-16-5

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-164215-1

Login Number: 164215
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

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

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-164215-1

Login Number: 164215
List Number: 2
Creator: Harley, Tynisha

List Source: Eurofins Savannah
List Creation: 10/24/23 12:44 PM

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

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-164215-1

Login Number: 164261
List Number: 1
Creator: Oster, Rachel A

List Source: Eurofins Pittsburgh

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

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-164215-1

Login Number: 164261
List Number: 2
Creator: Harley, Tynisha

List Source: Eurofins Savannah
List Creation: 10/24/23 12:44 PM

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

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-164215-1

Login Number: 164294
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

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

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-164215-1

Login Number: 164294
List Number: 2
Creator: Kirkland, Bernard C

List Source: Eurofins Savannah
List Creation: 10/26/23 01:00 PM

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/29/2023 7:39:21 PM

JOB DESCRIPTION

Plant Watson Ash Pond

JOB NUMBER

180-164215-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

Job Notes

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

PA Lab ID: 02-00416

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

Authorization

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

Table of Contents

Job ID: 180-164215-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-164215-2

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt
The samples were received on 10/20/2023 9:20 AM, 10/21/2023 9:05 AM and 10/24/2023 10:28 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 1.3°C, 1.5°C, 2.1°C, 2.3°C, 2.5°C, 3.5°C and 4.6°C

Gas Flow Proportional Counter
Method 9315_Ra226: Radium 226 prep batch 160-633893
The barium carrier recovery is outside the upper control limit (110%) for the following sample: APMW-2 (180-164215-9). The QC samples associated with the batch have acceptable carrier recovery indicating the presence of matrix interference.

Method 9315_Ra226: Radium-226 batch 633893
The Ba Carrier recovery is outside the upper control limit (110%) for the following sample: APMW-2 (180-164215-9). The QC samples associated with the batch have acceptable carrier recovery indicating a potential for matrix interference.
The samples have been truncated to 100% to reduce any potential bias a high carrier recovery may have.

Method 9320_Ra228: Radium 228 prep batch 160-633894
The barium carrier recovery is outside the upper control limit (110%) for the following sample: APMW-2 (180-164215-9)The QC samples associated with the batch have acceptable carrier recovery indicating the presence of matrix interference.

Method 9320_Ra228: Radium-228 batch 633894
The following sample has a barium carrier recovery above the 110% QC limit. The LCS (laboratory control sample) has an acceptable spike recovery demonstrating acceptable sample preparation and instrument performance. The sample has been truncated to 100% to reduce any potential bias a high carrier recovery may have. The data have been qualified and reported. APMW-2 (180-164215-9)

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

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

Definitions/Glossary

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

Job ID: 180-164215-2

Qualifiers

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.
X	Carrier is outside acceptance limits.

Glossary

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

Accreditation/Certification Summary

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

Job ID: 180-164215-2

Laboratory: Eurofins St. Louis

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-25
ANAB	Dept. of Defense ELAP	L2305	04-06-25
ANAB	Dept. of Energy	L2305.01	04-06-25
ANAB	ISO/IEC 17025	L2305	04-06-25
Arizona	State	AZ0813	12-08-23
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-24
Connecticut	State	PH-0241	03-31-25
Florida	NELAP	E87689	06-30-24
HI - RadChem Recognition	State	n/a	06-30-24
Illinois	NELAP	200023	11-30-24
Iowa	State	373	12-01-24
Kansas	NELAP	E-10236	10-31-24
Kentucky (DW)	State	KY90125	12-31-23
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-23
Louisiana	NELAP	04080	06-30-22 *
Louisiana (All)	NELAP	04080	06-30-24
Louisiana (DW)	State	LA011	12-31-23
Maryland	State	310	09-30-24
Massachusetts	State	M-MO054	06-30-24
MI - RadChem Recognition	State	9005	06-30-24
Missouri	State	780	06-30-25
Nevada	State	MO000542020-1	07-31-24
New Jersey	NELAP	MO002	06-30-24
New Mexico	State	MO00054	06-30-24
New York	NELAP	11616	03-31-24
North Carolina (DW)	State	29700	07-31-24
North Dakota	State	R-207	06-30-24
Oklahoma	NELAP	9997	08-31-24
Oregon	NELAP	4157	09-01-24
Pennsylvania	NELAP	68-00540	02-28-24
South Carolina	State	85002001	06-30-24
Texas	NELAP	T104704193	07-31-24
US Fish & Wildlife	US Federal Programs	058448	07-31-24
USDA	US Federal Programs	P330-17-00028	05-18-26
Utah	NELAP	MO000542021-14	07-31-24
Virginia	NELAP	10310	06-15-25
Washington	State	C592	08-30-24
West Virginia DEP	State	381	12-31-23

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

Sample Summary

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

Job ID: 180-164215-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-164215-1	APMW-16	Water	10/18/23 09:38	10/20/23 09:20
180-164215-2	APMW-15	Water	10/18/23 10:51	10/20/23 09:20
180-164215-3	APMW-14	Water	10/18/23 12:49	10/20/23 09:20
180-164215-4	APMW-13	Water	10/18/23 14:06	10/20/23 09:20
180-164215-5	APMW-1R	Water	10/19/23 09:00	10/20/23 09:20
180-164215-6	DUP-01	Water	10/18/23 11:49	10/20/23 09:20
180-164215-7	DUP-02	Water	10/19/23 08:00	10/20/23 09:20
180-164215-8	APMW-2D	Water	10/19/23 10:18	10/20/23 09:20
180-164215-9	APMW-2	Water	10/19/23 11:31	10/20/23 09:20
180-164215-10	APMW-3	Water	10/19/23 12:47	10/20/23 09:20
180-164215-11	APMW-3D	Water	10/19/23 13:58	10/20/23 09:20
180-164215-12	EB-01	Water	10/19/23 13:05	10/20/23 09:20
180-164215-13	FB-01	Water	10/19/23 13:00	10/20/23 09:20
180-164261-1	APMW-4D	Water	10/19/23 16:39	10/21/23 09:05
180-164261-2	APMW-4	Water	10/19/23 17:44	10/21/23 09:05
180-164261-3	APMW-5D	Water	10/20/23 09:06	10/21/23 09:05
180-164261-4	APMW-5	Water	10/20/23 10:17	10/21/23 09:05
180-164261-5	APMW-6D	Water	10/20/23 11:47	10/21/23 09:05
180-164261-6	APMW-6R	Water	10/20/23 12:45	10/21/23 09:05
180-164261-7	APMW-7	Water	10/20/23 14:08	10/21/23 09:05
180-164261-8	APMW-8	Water	10/20/23 15:03	10/21/23 09:05
180-164261-9	DUP-03	Water	10/20/23 09:17	10/21/23 09:05
180-164261-10	FB-02	Water	10/20/23 11:40	10/21/23 09:05
180-164261-11	EB-02	Water	10/20/23 12:10	10/21/23 09:05
180-164294-1	APMW-8D	Water	10/20/23 17:23	10/24/23 10:28
180-164294-2	APMW-9	Water	10/20/23 18:23	10/24/23 10:28
180-164294-3	APMW-10	Water	10/21/23 08:15	10/24/23 10:28
180-164294-4	APMW-10D	Water	10/21/23 09:11	10/24/23 10:28
180-164294-5	APMW-11	Water	10/21/23 10:25	10/24/23 10:28
180-164294-6	APMW-12	Water	10/21/23 11:26	10/24/23 10:28
180-164294-7	FB-03	Water	10/21/23 09:47	10/24/23 10:28
180-164294-8	EB-03	Water	10/21/23 09:52	10/24/23 10:28
180-164294-9	DUP-04	Water	10/21/23 07:15	10/24/23 10:28

Method Summary

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

Job ID: 180-164215-2

Method	Method Description	Protocol	Laboratory
9315	Radium-226 (GFPC)	SW846	EET SL
9320	Radium-228 (GFPC)	SW846	EET SL
Ra226_Ra228	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

None = None

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

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Lab Chronicle

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

Job ID: 180-164215-2

Client Sample ID: APMW-16
Date Collected: 10/18/23 09:38
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			752.47 mL	1.0 g	633893	10/27/23 10:41	KAC	EET SL
Total/NA	Analysis	9315		1			638434	11/28/23 09:33	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			752.47 mL	1.0 g	633894	10/27/23 10:45	KAC	EET SL
Total/NA	Analysis	9320		1			637413	11/17/23 15:01	FLC	EET SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			638790	11/29/23 14:50	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-15
Date Collected: 10/18/23 10:51
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			743.13 mL	1.0 g	633893	10/27/23 10:41	KAC	EET SL
Total/NA	Analysis	9315		1			638434	11/28/23 09:33	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			743.13 mL	1.0 g	633894	10/27/23 10:45	KAC	EET SL
Total/NA	Analysis	9320		1			637413	11/17/23 15:06	FLC	EET SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			638790	11/29/23 14:50	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-14
Date Collected: 10/18/23 12:49
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			997.10 mL	1.0 g	633893	10/27/23 10:41	KAC	EET SL
Total/NA	Analysis	9315		1			638434	11/28/23 09:34	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			997.10 mL	1.0 g	633894	10/27/23 10:45	KAC	EET SL
Total/NA	Analysis	9320		1			637413	11/17/23 15:01	FLC	EET SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			638790	11/29/23 14:50	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-13
Date Collected: 10/18/23 14:06
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			747.34 mL	1.0 g	633893	10/27/23 10:41	KAC	EET SL
Total/NA	Analysis	9315		1			638434	11/28/23 09:34	FLC	EET SL
	Instrument ID: GFPCRED									

Lab Chronicle

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

Job ID: 180-164215-2

Client Sample ID: APMW-13

Lab Sample ID: 180-164215-4
Date Collected: 10/18/23 14:06
Matrix: Water
Date Received: 10/20/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep_0			747.34 mL	1.0 g	633894	10/27/23 10:45	KAC	EET SL
Total/NA	Analysis	9320		1			637413	11/17/23 15:01	FLC	EET SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			638790	11/29/23 14:50	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-1R

Lab Sample ID: 180-164215-5
Date Collected: 10/19/23 09:00
Matrix: Water
Date Received: 10/20/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			991.52 mL	1.0 g	633893	10/27/23 10:41	KAC	EET SL
Total/NA	Analysis	9315		1			638434	11/28/23 09:34	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			991.52 mL	1.0 g	633894	10/27/23 10:45	KAC	EET SL
Total/NA	Analysis	9320		1			637413	11/17/23 15:01	FLC	EET SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			638790	11/29/23 14:50	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-01

Lab Sample ID: 180-164215-6
Date Collected: 10/18/23 11:49
Matrix: Water
Date Received: 10/20/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1004.58 mL	1.0 g	633893	10/27/23 10:41	KAC	EET SL
Total/NA	Analysis	9315		1			638434	11/28/23 09:34	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1004.58 mL	1.0 g	633894	10/27/23 10:45	KAC	EET SL
Total/NA	Analysis	9320		1			637413	11/17/23 15:01	FLC	EET SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			638790	11/29/23 14:50	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-02

Lab Sample ID: 180-164215-7
Date Collected: 10/19/23 08:00
Matrix: Water
Date Received: 10/20/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1006.36 mL	1.0 g	633893	10/27/23 10:41	KAC	EET SL
Total/NA	Analysis	9315		1			638434	11/28/23 09:34	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1006.36 mL	1.0 g	633894	10/27/23 10:45	KAC	EET SL
Total/NA	Analysis	9320		1			637413	11/17/23 15:01	FLC	EET SL
	Instrument ID: GFPCORANGE									

Lab Chronicle

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

Job ID: 180-164215-2

Client Sample ID: DUP-02
Date Collected: 10/19/23 08:00
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Ra226_Ra228		1			638790	11/29/23 14:50	SCB	EET SL

Client Sample ID: APMW-2D
Date Collected: 10/19/23 10:18
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			997.31 mL	1.0 g	633893	10/27/23 10:41	KAC	EET SL
Total/NA	Analysis	9315		1			638434	11/28/23 09:36	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			997.31 mL	1.0 g	633894	10/27/23 10:45	KAC	EET SL
Total/NA	Analysis	9320		1			637413	11/17/23 15:02	FLC	EET SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			638790	11/29/23 14:50	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-2
Date Collected: 10/19/23 11:31
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			993.01 mL	1.0 g	633893	10/27/23 10:41	KAC	EET SL
Total/NA	Analysis	9315		1			638434	11/28/23 09:36	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			993.01 mL	1.0 g	633894	10/27/23 10:45	KAC	EET SL
Total/NA	Analysis	9320		1			637274	11/17/23 14:55	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			638790	11/29/23 14:50	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-3
Date Collected: 10/19/23 12:47
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			998.63 mL	1.0 g	633893	10/27/23 10:41	KAC	EET SL
Total/NA	Analysis	9315		1			638434	11/28/23 09:36	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			998.63 mL	1.0 g	633894	10/27/23 10:45	KAC	EET SL
Total/NA	Analysis	9320		1			637274	11/17/23 14:56	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			638790	11/29/23 14:50	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-3D

Lab Sample ID: 180-164215-11

Date Collected: 10/19/23 13:58

Matrix: Water

Date Received: 10/20/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			992.09 mL	1.0 g	633893	10/27/23 10:41	KAC	EET SL
Total/NA	Analysis	9315		1			638434	11/28/23 09:36	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			992.09 mL	1.0 g	633894	10/27/23 10:45	KAC	EET SL
Total/NA	Analysis	9320		1			637274	11/17/23 14:56	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			638790	11/29/23 14:50	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: EB-01

Lab Sample ID: 180-164215-12

Date Collected: 10/19/23 13:05

Matrix: Water

Date Received: 10/20/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			995.55 mL	1.0 g	633893	10/27/23 10:41	KAC	EET SL
Total/NA	Analysis	9315		1			638434	11/28/23 09:36	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			995.55 mL	1.0 g	633894	10/27/23 10:45	KAC	EET SL
Total/NA	Analysis	9320		1			637274	11/17/23 14:56	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			638790	11/29/23 14:50	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: FB-01

Lab Sample ID: 180-164215-13

Date Collected: 10/19/23 13:00

Matrix: Water

Date Received: 10/20/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.23 mL	1.0 g	633893	10/27/23 10:41	KAC	EET SL
Total/NA	Analysis	9315		1			638434	11/28/23 09:36	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1000.23 mL	1.0 g	633894	10/27/23 10:45	KAC	EET SL
Total/NA	Analysis	9320		1			637274	11/17/23 14:56	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			638790	11/29/23 14:50	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-4D

Lab Sample ID: 180-164261-1

Date Collected: 10/19/23 16:39

Matrix: Water

Date Received: 10/21/23 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1005.78 mL	1.0 g	634556	10/31/23 10:55	KAC	EET SL
Total/NA	Analysis	9315		1			638569	11/28/23 09:35	FLC	EET SL
	Instrument ID: GFPCBLUE									

Lab Chronicle

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

Job ID: 180-164215-2

Client Sample ID: APMW-4D

Date Collected: 10/19/23 16:39
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep_0			1005.78 mL	1.0 g	634558	10/31/23 11:00	KAC	EET SL
Total/NA	Analysis	9320		1			637108	11/16/23 12:02	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			638591	11/28/23 19:07	EMH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-4

Date Collected: 10/19/23 17:44
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			744.20 mL	1.0 g	634556	10/31/23 10:55	KAC	EET SL
Total/NA	Analysis	9315		1			638569	11/28/23 09:35	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			744.20 mL	1.0 g	634558	10/31/23 11:00	KAC	EET SL
Total/NA	Analysis	9320		1			637108	11/16/23 12:03	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			638591	11/28/23 19:07	EMH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-5D

Date Collected: 10/20/23 09:06
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1001.11 mL	1.0 g	634556	10/31/23 10:55	KAC	EET SL
Total/NA	Analysis	9315		1			638569	11/28/23 09:35	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1001.11 mL	1.0 g	634558	10/31/23 11:00	KAC	EET SL
Total/NA	Analysis	9320		1			637108	11/16/23 12:03	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			638591	11/28/23 19:07	EMH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-5

Date Collected: 10/20/23 10:17
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1002.09 mL	1.0 g	634556	10/31/23 10:55	KAC	EET SL
Total/NA	Analysis	9315		1			638569	11/28/23 09:34	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1002.09 mL	1.0 g	634558	10/31/23 11:00	KAC	EET SL
Total/NA	Analysis	9320		1	1.0 mL	1.0 mL	637108	11/16/23 12:03	FLC	EET SL
	Instrument ID: GFPCRED									

Lab Chronicle

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

Job ID: 180-164215-2

Client Sample ID: APMW-5
Date Collected: 10/20/23 10:17
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Ra226_Ra228		1			638591	11/28/23 19:07	EMH	EET SL

Client Sample ID: APMW-6D
Date Collected: 10/20/23 11:47
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			996.61 mL	1.0 g	634554	10/31/23 10:51	KAC	EET SL
Total/NA	Analysis	9315		1			638758	11/29/23 07:25	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			996.61 mL	1.0 g	634555	10/31/23 10:54	KAC	EET SL
Total/NA	Analysis	9320		1			637570	11/20/23 12:06	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			638801	11/29/23 17:46	CAH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-6R
Date Collected: 10/20/23 12:45
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1005.28 mL	1.0 g	634554	10/31/23 10:51	KAC	EET SL
Total/NA	Analysis	9315		1			638759	11/29/23 07:22	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1005.28 mL	1.0 g	634555	10/31/23 10:54	KAC	EET SL
Total/NA	Analysis	9320		1			637570	11/20/23 12:06	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			638801	11/29/23 17:46	CAH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-7
Date Collected: 10/20/23 14:08
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			747.87 mL	1.0 g	634554	10/31/23 10:51	KAC	EET SL
Total/NA	Analysis	9315		1			638759	11/29/23 07:22	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			747.87 mL	1.0 g	634555	10/31/23 10:54	KAC	EET SL
Total/NA	Analysis	9320		1			637570	11/20/23 12:07	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			638801	11/29/23 17:46	CAH	EET SL
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-164215-2

Client Sample ID: APMW-8

Date Collected: 10/20/23 15:03
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			990.32 mL	1.0 g	634554	10/31/23 10:51	KAC	EET SL
Total/NA	Analysis	9315		1			638759	11/29/23 07:22	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			990.32 mL	1.0 g	634555	10/31/23 10:54	KAC	EET SL
Total/NA	Analysis	9320		1			637570	11/20/23 12:07	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			638801	11/29/23 17:46	CAH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-03

Date Collected: 10/20/23 09:17
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1003.94 mL	1.0 g	634554	10/31/23 10:51	KAC	EET SL
Total/NA	Analysis	9315		1			638759	11/29/23 07:23	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1003.94 mL	1.0 g	634555	10/31/23 10:54	KAC	EET SL
Total/NA	Analysis	9320		1			637570	11/20/23 12:07	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			638801	11/29/23 17:46	CAH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: FB-02

Date Collected: 10/20/23 11:40
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.20 mL	1.0 g	634554	10/31/23 10:51	KAC	EET SL
Total/NA	Analysis	9315		1			638758	11/29/23 09:21	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1000.20 mL	1.0 g	634555	10/31/23 10:54	KAC	EET SL
Total/NA	Analysis	9320		1			637570	11/20/23 12:08	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			638801	11/29/23 17:46	CAH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: EB-02

Date Collected: 10/20/23 12:10
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			994.06 mL	1.0 g	634554	10/31/23 10:51	KAC	EET SL
Total/NA	Analysis	9315		1			638758	11/29/23 09:21	FLC	EET SL
	Instrument ID: GFPCBLUE									

Lab Chronicle

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

Job ID: 180-164215-2

Client Sample ID: EB-02
Date Collected: 10/20/23 12:10
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep_0			994.06 mL	1.0 g	634555	10/31/23 10:54	KAC	EET SL
Total/NA	Analysis	9320		1			637570	11/20/23 12:08	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			638801	11/29/23 17:46	CAH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-8D
Date Collected: 10/20/23 17:23
Date Received: 10/24/23 10:28

Lab Sample ID: 180-164294-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			994.83 mL	1.0 g	634552	10/31/23 10:37	KAC	EET SL
Total/NA	Analysis	9315		1			638568	11/28/23 16:35	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			994.83 mL	1.0 g	634553	10/31/23 10:49	KAC	EET SL
Total/NA	Analysis	9320		1			637958	11/22/23 15:56	SCB	EET SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			638789	11/29/23 14:49	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-9
Date Collected: 10/20/23 18:23
Date Received: 10/24/23 10:28

Lab Sample ID: 180-164294-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			996.37 mL	1.0 g	634552	10/31/23 10:37	KAC	EET SL
Total/NA	Analysis	9315		1			638568	11/28/23 16:35	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			996.37 mL	1.0 g	634553	10/31/23 10:49	KAC	EET SL
Total/NA	Analysis	9320		1			637957	11/22/23 16:04	SCB	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			638789	11/29/23 14:49	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-10
Date Collected: 10/21/23 08:15
Date Received: 10/24/23 10:28

Lab Sample ID: 180-164294-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			749.32 mL	1.0 g	634552	10/31/23 10:37	KAC	EET SL
Total/NA	Analysis	9315		1			638568	11/28/23 16:35	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			749.32 mL	1.0 g	634553	10/31/23 10:49	KAC	EET SL
Total/NA	Analysis	9320		1			637957	11/22/23 16:04	SCB	EET SL
	Instrument ID: GFPCBLUE									

Lab Chronicle

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

Job ID: 180-164215-2

Client Sample ID: APMW-10
Date Collected: 10/21/23 08:15
Date Received: 10/24/23 10:28

Lab Sample ID: 180-164294-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Ra226_Ra228		1			638789	11/29/23 14:49	SCB	EET SL

Client Sample ID: APMW-10D
Date Collected: 10/21/23 09:11
Date Received: 10/24/23 10:28

Lab Sample ID: 180-164294-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			996.12 mL	1.0 g	634552	10/31/23 10:37	KAC	EET SL
Total/NA	Analysis	9315		1			638568	11/28/23 16:35	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			996.12 mL	1.0 g	634553	10/31/23 10:49	KAC	EET SL
Total/NA	Analysis	9320		1			637959	11/22/23 16:01	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			638789	11/29/23 14:49	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-11
Date Collected: 10/21/23 10:25
Date Received: 10/24/23 10:28

Lab Sample ID: 180-164294-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1008.55 mL	1.0 g	634552	10/31/23 10:37	KAC	EET SL
Total/NA	Analysis	9315		1			638434	11/28/23 19:10	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1008.55 mL	1.0 g	634553	10/31/23 10:49	KAC	EET SL
Total/NA	Analysis	9320		1			637959	11/22/23 16:01	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			638789	11/29/23 14:49	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-12
Date Collected: 10/21/23 11:26
Date Received: 10/24/23 10:28

Lab Sample ID: 180-164294-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			995.86 mL	1.0 g	634552	10/31/23 10:37	KAC	EET SL
Total/NA	Analysis	9315		1			638434	11/28/23 19:10	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			995.86 mL	1.0 g	634553	10/31/23 10:49	KAC	EET SL
Total/NA	Analysis	9320		1			637959	11/22/23 16:02	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			638789	11/29/23 14:49	SCB	EET SL
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-164215-2

Client Sample ID: FB-03

Date Collected: 10/21/23 09:47
Date Received: 10/24/23 10:28

Lab Sample ID: 180-164294-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			996.00 mL	1.0 g	634552	10/31/23 10:37	KAC	EET SL
Total/NA	Analysis	9315		1			638434	11/28/23 19:10	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			996.00 mL	1.0 g	634553	10/31/23 10:49	KAC	EET SL
Total/NA	Analysis	9320		1			637959	11/22/23 16:03	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			638789	11/29/23 14:49	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: EB-03

Date Collected: 10/21/23 09:52
Date Received: 10/24/23 10:28

Lab Sample ID: 180-164294-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			991.02 mL	1.0 g	634552	10/31/23 10:37	KAC	EET SL
Total/NA	Analysis	9315		1			638434	11/28/23 19:10	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			991.02 mL	1.0 g	634553	10/31/23 10:49	KAC	EET SL
Total/NA	Analysis	9320		1			637959	11/22/23 16:03	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			638789	11/29/23 14:49	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-04

Date Collected: 10/21/23 07:15
Date Received: 10/24/23 10:28

Lab Sample ID: 180-164294-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			761.32 mL	1.0 g	634552	10/31/23 10:37	KAC	EET SL
Total/NA	Analysis	9315		1			638434	11/28/23 19:11	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			761.32 mL	1.0 g	634553	10/31/23 10:49	KAC	EET SL
Total/NA	Analysis	9320		1			637959	11/22/23 16:03	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			638789	11/29/23 14:49	SCB	EET SL
	Instrument ID: NOEQUIP									

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Lab Chronicle

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

Job ID: 180-164215-2

Analyst References:

Lab: EET SL

Batch Type: Prep

KAC = Kevin Cox

Batch Type: Analysis

CAH = Chris Hough

EMH = Elizabeth Hoerchler

FLC = Fernando Cruz

SCB = Sarah Bernsen

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

Job ID: 180-164215-2

Client Sample ID: APMW-16

Date Collected: 10/18/23 09:38
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-1

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.571		0.156	0.164	1.00	0.126	pCi/L	10/27/23 10:41	11/28/23 09:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.0*		*30 - 110*	*10/27/23 10:41*	*11/28/23 09:33*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.926		0.439	0.447	1.00	0.578	pCi/L	10/27/23 10:45	11/17/23 15:01	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.0*		*30 - 110*	*10/27/23 10:45*	*11/17/23 15:01*	*1*
Y Carrier	*80.7*		*30 - 110*	*10/27/23 10:45*	*11/17/23 15:01*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.50		0.466	0.476	5.00	0.578	pCi/L		11/29/23 14:50	1

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

Job ID: 180-164215-2

Client Sample ID: APMW-15

Date Collected: 10/18/23 10:51
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-2

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.571		0.171	0.179	1.00	0.163	pCi/L	10/27/23 10:41	11/28/23 09:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.6*		*30 - 110*	*10/27/23 10:41*	*11/28/23 09:33*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.12		0.554	0.564	1.00	0.768	pCi/L	10/27/23 10:45	11/17/23 15:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.6*		*30 - 110*	*10/27/23 10:45*	*11/17/23 15:06*	*1*
Y Carrier	*81.9*		*30 - 110*	*10/27/23 10:45*	*11/17/23 15:06*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.69		0.580	0.592	5.00	0.768	pCi/L		11/29/23 14:50	1

Client Sample ID: APMW-14

Date Collected: 10/18/23 12:49
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-3

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.98		0.248	0.305	1.00	0.0983	pCi/L	10/27/23 10:41	11/28/23 09:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.6*		*30 - 110*	*10/27/23 10:41*	*11/28/23 09:34*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	4.72		0.766	0.881	1.00	0.666	pCi/L	10/27/23 10:45	11/17/23 15:01	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.6*		*30 - 110*	*10/27/23 10:45*	*11/17/23 15:01*	*1*
Y Carrier	*81.5*		*30 - 110*	*10/27/23 10:45*	*11/17/23 15:01*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	6.70		0.805	0.932	5.00	0.666	pCi/L		11/29/23 14:50	1

Client Sample ID: APMW-13

Date Collected: 10/18/23 14:06
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-4

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.08		0.216	0.237	1.00	0.136	pCi/L	10/27/23 10:41	11/28/23 09:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.4*		*30 - 110*	*10/27/23 10:41*	*11/28/23 09:34*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.59		0.686	0.726	1.00	0.722	pCi/L	10/27/23 10:45	11/17/23 15:01	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.4*		*30 - 110*	*10/27/23 10:45*	*11/17/23 15:01*	*1*
Y Carrier	*80.0*		*30 - 110*	*10/27/23 10:45*	*11/17/23 15:01*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	3.67		0.719	0.764	5.00	0.722	pCi/L		11/29/23 14:50	1

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

Job ID: 180-164215-2

Client Sample ID: APMW-1R

Date Collected: 10/19/23 09:00
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-5

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	6.83		0.490	0.786	1.00	0.122	pCi/L	10/27/23 10:41	11/28/23 09:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*72.0*		*30 - 110*	*10/27/23 10:41*	*11/28/23 09:34*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	7.05		0.959	1.16	1.00	0.646	pCi/L	10/27/23 10:45	11/17/23 15:01	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*72.0*		*30 - 110*	*10/27/23 10:45*	*11/17/23 15:01*	*1*
Y Carrier	*79.6*		*30 - 110*	*10/27/23 10:45*	*11/17/23 15:01*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	13.9		1.08	1.40	5.00	0.646	pCi/L		11/29/23 14:50	1

Client Sample ID: DUP-01

Date Collected: 10/18/23 11:49
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-6

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.73		0.232	0.280	1.00	0.103	pCi/L	10/27/23 10:41	11/28/23 09:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.4*		*30 - 110*	*10/27/23 10:41*	*11/28/23 09:34*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	3.42		0.632	0.706	1.00	0.542	pCi/L	10/27/23 10:45	11/17/23 15:01	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.4*		*30 - 110*	*10/27/23 10:45*	*11/17/23 15:01*	*1*
Y Carrier	*83.0*		*30 - 110*	*10/27/23 10:45*	*11/17/23 15:01*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	5.15		0.673	0.759	5.00	0.542	pCi/L		11/29/23 14:50	1

Client Sample ID: DUP-02

Date Collected: 10/19/23 08:00
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-7

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	7.12		0.461	0.789	1.00	0.106	pCi/L	10/27/23 10:41	11/28/23 09:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.6*		*30 - 110*	*10/27/23 10:41*	*11/28/23 09:34*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	6.53		0.824	1.02	1.00	0.525	pCi/L	10/27/23 10:45	11/17/23 15:01	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.6*		*30 - 110*	*10/27/23 10:45*	*11/17/23 15:01*	*1*
Y Carrier	*80.0*		*30 - 110*	*10/27/23 10:45*	*11/17/23 15:01*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	13.7		0.944	1.29	5.00	0.525	pCi/L		11/29/23 14:50	1

Client Sample ID: APMW-2D

Date Collected: 10/19/23 10:18
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-8

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0411	U	0.0547	0.0548	1.00	0.0916	pCi/L	10/27/23 10:41	11/28/23 09:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.2*		*30 - 110*	*10/27/23 10:41*	*11/28/23 09:36*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.467**		0.273	0.276	1.00	0.384	pCi/L	10/27/23 10:45	11/17/23 15:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.2*		*30 - 110*	*10/27/23 10:45*	*11/17/23 15:02*	*1*
Y Carrier	*88.6*		*30 - 110*	*10/27/23 10:45*	*11/17/23 15:02*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.508**		0.278	0.281	5.00	0.384	pCi/L		11/29/23 14:50	1

Client Sample ID: APMW-2

Date Collected: 10/19/23 11:31
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-9

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	13.9		0.626	1.40	1.00	0.0806	pCi/L	10/27/23 10:41	11/28/23 09:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*113*	*X*	*30 - 110*	*10/27/23 10:41*	*11/28/23 09:36*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	8.19		0.821	1.11	1.00	0.454	pCi/L	10/27/23 10:45	11/17/23 14:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*113*	*X*	*30 - 110*	*10/27/23 10:45*	*11/17/23 14:55*	*1*
Y Carrier	*86.4*		*30 - 110*	*10/27/23 10:45*	*11/17/23 14:55*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	22.1		1.03	1.79	5.00	0.454	pCi/L		11/29/23 14:50	1

Client Sample ID: APMW-3

Date Collected: 10/19/23 12:47
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-10

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.427		0.113	0.119	1.00	0.0810	pCi/L	10/27/23 10:41	11/28/23 09:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.7*		*30 - 110*	*10/27/23 10:41*	*11/28/23 09:36*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	6.13		0.764	0.949	1.00	0.451	pCi/L	10/27/23 10:45	11/17/23 14:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.7*		*30 - 110*	*10/27/23 10:45*	*11/17/23 14:56*	*1*
Y Carrier	*76.6*		*30 - 110*	*10/27/23 10:45*	*11/17/23 14:56*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	6.55		0.772	0.956	5.00	0.451	pCi/L		11/29/23 14:50	1

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

Job ID: 180-164215-2

Client Sample ID: APMW-3D

Date Collected: 10/19/23 13:58
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-11

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.477**		0.128	0.135	1.00	0.103	pCi/L	10/27/23 10:41	11/28/23 09:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.7*		*30 - 110*	*10/27/23 10:41*	*11/28/23 09:36*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.153	U	0.339	0.340	1.00	0.590	pCi/L	10/27/23 10:45	11/17/23 14:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.7*		*30 - 110*	*10/27/23 10:45*	*11/17/23 14:56*	*1*
Y Carrier	*83.4*		*30 - 110*	*10/27/23 10:45*	*11/17/23 14:56*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.630**		0.362	0.366	5.00	0.590	pCi/L		11/29/23 14:50	1

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

Job ID: 180-164215-2

Client Sample ID: EB-01

Date Collected: 10/19/23 13:05
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-12

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0335	U	0.0408	0.0409	1.00	0.103	pCi/L	10/27/23 10:41	11/28/23 09:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*101*		*30 - 110*	*10/27/23 10:41*	*11/28/23 09:36*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.256	U	0.271	0.272	1.00	0.439	pCi/L	10/27/23 10:45	11/17/23 14:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*101*		*30 - 110*	*10/27/23 10:45*	*11/17/23 14:56*	*1*
Y Carrier	*88.2*		*30 - 110*	*10/27/23 10:45*	*11/17/23 14:56*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.223	U	0.274	0.275	5.00	0.439	pCi/L		11/29/23 14:50	1

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

Job ID: 180-164215-2

Client Sample ID: FB-01

Date Collected: 10/19/23 13:00
Date Received: 10/20/23 09:20

Lab Sample ID: 180-164215-13

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0417	U	0.0554	0.0556	1.00	0.0928	pCi/L	10/27/23 10:41	11/28/23 09:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.5*		*30 - 110*	*10/27/23 10:41*	*11/28/23 09:36*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.00404	U	0.250	0.250	1.00	0.471	pCi/L	10/27/23 10:45	11/17/23 14:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.5*		*30 - 110*	*10/27/23 10:45*	*11/17/23 14:56*	*1*
Y Carrier	*84.5*		*30 - 110*	*10/27/23 10:45*	*11/17/23 14:56*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.0457	U	0.256	0.256	5.00	0.471	pCi/L		11/29/23 14:50	1

Client Sample ID: APMW-4D

Date Collected: 10/19/23 16:39
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-1

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.484		0.126	0.133	1.00	0.104	pCi/L	10/31/23 10:55	11/28/23 09:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.7*		*30 - 110*	*10/31/23 10:55*	*11/28/23 09:35*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	8.33		0.908	1.19	1.00	0.536	pCi/L	10/31/23 11:00	11/16/23 12:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.7*		*30 - 110*	*10/31/23 11:00*	*11/16/23 12:02*	*1*
Y Carrier	*81.9*		*30 - 110*	*10/31/23 11:00*	*11/16/23 12:02*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	8.81		0.917	1.20	5.00	0.536	pCi/L		11/28/23 19:07	1

Client Sample ID: APMW-4

Date Collected: 10/19/23 17:44
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-2

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.328		0.128	0.131	1.00	0.136	pCi/L	10/31/23 10:55	11/28/23 09:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.9*		*30 - 110*	*10/31/23 10:55*	*11/28/23 09:35*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.43		0.538	0.553	1.00	0.647	pCi/L	10/31/23 11:00	11/16/23 12:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.9*		*30 - 110*	*10/31/23 11:00*	*11/16/23 12:03*	*1*
Y Carrier	*82.6*		*30 - 110*	*10/31/23 11:00*	*11/16/23 12:03*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.75		0.553	0.568	5.00	0.647	pCi/L		11/28/23 19:07	1

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

Job ID: 180-164215-2

Client Sample ID: APMW-5D

Date Collected: 10/20/23 09:06
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-3

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0462	U	0.0586	0.0588	1.00	0.0971	pCi/L	10/31/23 10:55	11/28/23 09:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.7*		*30 - 110*	*10/31/23 10:55*	*11/28/23 09:35*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.466	U	0.365	0.368	1.00	0.565	pCi/L	10/31/23 11:00	11/16/23 12:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.7*		*30 - 110*	*10/31/23 11:00*	*11/16/23 12:03*	*1*
Y Carrier	*80.7*		*30 - 110*	*10/31/23 11:00*	*11/16/23 12:03*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.512	U	0.370	0.373	5.00	0.565	pCi/L		11/28/23 19:07	1

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

Job ID: 180-164215-2

Client Sample ID: APMW-5

Date Collected: 10/20/23 10:17
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-4

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.516		0.140	0.147	1.00	0.128	pCi/L	10/31/23 10:55	11/28/23 09:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.9*		*30 - 110*	*10/31/23 10:55*	*11/28/23 09:34*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	3.39		0.644	0.715	1.00	0.622	pCi/L	10/31/23 11:00	11/16/23 12:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.9*		*30 - 110*	*10/31/23 11:00*	*11/16/23 12:03*	*1*
Y Carrier	*84.5*		*30 - 110*	*10/31/23 11:00*	*11/16/23 12:03*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	3.90		0.659	0.730	5.00	0.622	pCi/L		11/28/23 19:07	1

Client Sample ID: APMW-6D

Date Collected: 10/20/23 11:47
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-5

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.311**		0.120	0.123	1.00	0.142	pCi/L	10/31/23 10:51	11/29/23 07:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.0*		*30 - 110*	*10/31/23 10:51*	*11/29/23 07:25*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.205	U	0.283	0.283	1.00	0.476	pCi/L	10/31/23 10:54	11/20/23 12:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.0*		*30 - 110*	*10/31/23 10:54*	*11/20/23 12:06*	*1*
Y Carrier	*78.5*		*30 - 110*	*10/31/23 10:54*	*11/20/23 12:06*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.515**		0.307	0.309	5.00	0.476	pCi/L		11/29/23 17:46	1

Client Sample ID: APMW-6R

Date Collected: 10/20/23 12:45
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-6

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.237		0.100	0.103	1.00	0.115	pCi/L	10/31/23 10:51	11/29/23 07:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.7*		*30 - 110*	*10/31/23 10:51*	*11/29/23 07:22*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.61		0.591	0.638	1.00	0.612	pCi/L	10/31/23 10:54	11/20/23 12:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.7*		*30 - 110*	*10/31/23 10:54*	*11/20/23 12:06*	*1*
Y Carrier	*80.4*		*30 - 110*	*10/31/23 10:54*	*11/20/23 12:06*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.85		0.599	0.646	5.00	0.612	pCi/L		11/29/23 17:46	1

Client Sample ID: APMW-7

Date Collected: 10/20/23 14:08
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-7

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.29		0.288	0.354	1.00	0.142	pCi/L	10/31/23 10:51	11/29/23 07:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.2*		*30 - 110*	*10/31/23 10:51*	*11/29/23 07:22*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	5.32		0.882	1.01	1.00	0.775	pCi/L	10/31/23 10:54	11/20/23 12:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.2*		*30 - 110*	*10/31/23 10:54*	*11/20/23 12:07*	*1*
Y Carrier	*82.2*		*30 - 110*	*10/31/23 10:54*	*11/20/23 12:07*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	7.61		0.928	1.07	5.00	0.775	pCi/L		11/29/23 17:46	1

Client Sample ID: APMW-8

Date Collected: 10/20/23 15:03
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-8

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.12		0.182	0.208	1.00	0.106	pCi/L	10/31/23 10:51	11/29/23 07:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*103*		*30 - 110*	*10/31/23 10:51*	*11/29/23 07:22*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	4.51		0.663	0.782	1.00	0.494	pCi/L	10/31/23 10:54	11/20/23 12:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*103*		*30 - 110*	*10/31/23 10:54*	*11/20/23 12:07*	*1*
Y Carrier	*81.1*		*30 - 110*	*10/31/23 10:54*	*11/20/23 12:07*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	5.63		0.688	0.809	5.00	0.494	pCi/L		11/29/23 17:46	1

Client Sample ID: DUP-03

Date Collected: 10/20/23 09:17
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-9

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.512		0.127	0.135	1.00	0.0959	pCi/L	10/31/23 10:51	11/29/23 07:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.5*		*30 - 110*	*10/31/23 10:51*	*11/29/23 07:23*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	3.89		0.663	0.753	1.00	0.537	pCi/L	10/31/23 10:54	11/20/23 12:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.5*		*30 - 110*	*10/31/23 10:54*	*11/20/23 12:07*	*1*
Y Carrier	*75.5*		*30 - 110*	*10/31/23 10:54*	*11/20/23 12:07*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	4.40		0.675	0.765	5.00	0.537	pCi/L		11/29/23 17:46	1

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

Job ID: 180-164215-2

Client Sample ID: FB-02

Date Collected: 10/20/23 11:40
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-10

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0133	U	0.0442	0.0442	1.00	0.102	pCi/L	10/31/23 10:51	11/29/23 09:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.2*		*30 - 110*	*10/31/23 10:51*	*11/29/23 09:21*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.125	U	0.225	0.226	1.00	0.478	pCi/L	10/31/23 10:54	11/20/23 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.2*		*30 - 110*	*10/31/23 10:54*	*11/20/23 12:08*	*1*
Y Carrier	*81.5*		*30 - 110*	*10/31/23 10:54*	*11/20/23 12:08*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	-0.138	U	0.229	0.230	5.00	0.478	pCi/L		11/29/23 17:46	1

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

Job ID: 180-164215-2

Client Sample ID: EB-02

Date Collected: 10/20/23 12:10
Date Received: 10/21/23 09:05

Lab Sample ID: 180-164261-11

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0203	U	0.0658	0.0658	1.00	0.122	pCi/L	10/31/23 10:51	11/29/23 09:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.2*		*30 - 110*	*10/31/23 10:51*	*11/29/23 09:21*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.183	U	0.314	0.315	1.00	0.539	pCi/L	10/31/23 10:54	11/20/23 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.2*		*30 - 110*	*10/31/23 10:54*	*11/20/23 12:08*	*1*
Y Carrier	*81.5*		*30 - 110*	*10/31/23 10:54*	*11/20/23 12:08*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.203	U	0.321	0.322	5.00	0.539	pCi/L		11/29/23 17:46	1

Client Sample ID: APMW-8D

Date Collected: 10/20/23 17:23
Date Received: 10/24/23 10:28

Lab Sample ID: 180-164294-1

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.110	U	0.0852	0.0858	1.00	0.126	pCi/L	10/31/23 10:37	11/28/23 16:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.0*		*30 - 110*	*10/31/23 10:37*	*11/28/23 16:35*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.781**		0.342	0.349	1.00	0.440	pCi/L	10/31/23 10:49	11/22/23 15:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.0*		*30 - 110*	*10/31/23 10:49*	*11/22/23 15:56*	*1*
Y Carrier	*91.2*		*30 - 110*	*10/31/23 10:49*	*11/22/23 15:56*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.891**		0.352	0.359	5.00	0.440	pCi/L		11/29/23 14:49	1

Client Sample ID: APMW-9

Date Collected: 10/20/23 18:23
Date Received: 10/24/23 10:28

Lab Sample ID: 180-164294-2

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.67		0.309	0.391	1.00	0.153	pCi/L	10/31/23 10:37	11/28/23 16:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.9*		*30 - 110*	*10/31/23 10:37*	*11/28/23 16:35*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	5.43		0.769	0.917	1.00	0.579	pCi/L	10/31/23 10:49	11/22/23 16:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.9*		*30 - 110*	*10/31/23 10:49*	*11/22/23 16:04*	*1*
Y Carrier	*85.6*		*30 - 110*	*10/31/23 10:49*	*11/22/23 16:04*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	8.10		0.829	0.997	5.00	0.579	pCi/L		11/29/23 14:49	1

Client Sample ID: APMW-10

Date Collected: 10/21/23 08:15
Date Received: 10/24/23 10:28

Lab Sample ID: 180-164294-3

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.05		0.315	0.365	1.00	0.175	pCi/L	10/31/23 10:37	11/28/23 16:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.2*		*30 - 110*	*10/31/23 10:37*	*11/28/23 16:35*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.16		0.716	0.743	1.00	0.906	pCi/L	10/31/23 10:49	11/22/23 16:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.2*		*30 - 110*	*10/31/23 10:49*	*11/22/23 16:04*	*1*
Y Carrier	*83.4*		*30 - 110*	*10/31/23 10:49*	*11/22/23 16:04*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	4.21		0.782	0.828	5.00	0.906	pCi/L		11/29/23 14:49	1

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

Job ID: 180-164215-2

Client Sample ID: APMW-10D

Date Collected: 10/21/23 09:11
Date Received: 10/24/23 10:28

Lab Sample ID: 180-164294-4

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0111	U	0.0683	0.0683	1.00	0.132	pCi/L	10/31/23 10:37	11/28/23 16:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.2*		*30 - 110*	*10/31/23 10:37*	*11/28/23 16:35*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.480	U	0.345	0.348	1.00	0.526	pCi/L	10/31/23 10:49	11/22/23 16:01	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.2*		*30 - 110*	*10/31/23 10:49*	*11/22/23 16:01*	*1*
Y Carrier	*84.5*		*30 - 110*	*10/31/23 10:49*	*11/22/23 16:01*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.491	U	0.352	0.355	5.00	0.526	pCi/L		11/29/23 14:49	1

Client Sample ID: APMW-11

Date Collected: 10/21/23 10:25
Date Received: 10/24/23 10:28

Lab Sample ID: 180-164294-5

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0599	U	0.0680	0.0682	1.00	0.110	pCi/L	10/31/23 10:37	11/28/23 19:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*102*		*30 - 110*	*10/31/23 10:37*	*11/28/23 19:10*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.161	U	0.276	0.277	1.00	0.474	pCi/L	10/31/23 10:49	11/22/23 16:01	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*102*		*30 - 110*	*10/31/23 10:49*	*11/22/23 16:01*	*1*
Y Carrier	*86.4*		*30 - 110*	*10/31/23 10:49*	*11/22/23 16:01*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.220	U	0.284	0.285	5.00	0.474	pCi/L		11/29/23 14:49	1

Client Sample ID: APMW-12

Date Collected: 10/21/23 11:26
Date Received: 10/24/23 10:28

Lab Sample ID: 180-164294-6

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.204**		0.0969	0.0986	1.00	0.112	pCi/L	10/31/23 10:37	11/28/23 19:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.5*		*30 - 110*	*10/31/23 10:37*	*11/28/23 19:10*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.298	U	0.302	0.303	1.00	0.486	pCi/L	10/31/23 10:49	11/22/23 16:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.5*		*30 - 110*	*10/31/23 10:49*	*11/22/23 16:02*	*1*
Y Carrier	*85.6*		*30 - 110*	*10/31/23 10:49*	*11/22/23 16:02*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.502**		0.317	0.319	5.00	0.486	pCi/L		11/29/23 14:49	1

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

Job ID: 180-164215-2

Client Sample ID: FB-03

Date Collected: 10/21/23 09:47
Date Received: 10/24/23 10:28

Lab Sample ID: 180-164294-7

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0251	U	0.0626	0.0626	1.00	0.116	pCi/L	10/31/23 10:37	11/28/23 19:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.2*		*30 - 110*	*10/31/23 10:37*	*11/28/23 19:10*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.214	U	0.301	0.301	1.00	0.506	pCi/L	10/31/23 10:49	11/22/23 16:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.2*		*30 - 110*	*10/31/23 10:49*	*11/22/23 16:03*	*1*
Y Carrier	*84.1*		*30 - 110*	*10/31/23 10:49*	*11/22/23 16:03*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.239	U	0.307	0.307	5.00	0.506	pCi/L		11/29/23 14:49	1

Client Sample ID: EB-03

Date Collected: 10/21/23 09:52
Date Received: 10/24/23 10:28

Lab Sample ID: 180-164294-8

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.00242	U	0.0657	0.0657	1.00	0.133	pCi/L	10/31/23 10:37	11/28/23 19:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.0*		*30 - 110*	*10/31/23 10:37*	*11/28/23 19:10*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.101	U	0.307	0.307	1.00	0.546	pCi/L	10/31/23 10:49	11/22/23 16:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.0*		*30 - 110*	*10/31/23 10:49*	*11/22/23 16:03*	*1*
Y Carrier	*87.5*		*30 - 110*	*10/31/23 10:49*	*11/22/23 16:03*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.0984	U	0.314	0.314	5.00	0.546	pCi/L		11/29/23 14:49	1

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

Job ID: 180-164215-2

Client Sample ID: DUP-04

Date Collected: 10/21/23 07:15
Date Received: 10/24/23 10:28

Lab Sample ID: 180-164294-9

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.85		0.280	0.326	1.00	0.133	pCi/L	10/31/23 10:37	11/28/23 19:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.0*		*30 - 110*	*10/31/23 10:37*	*11/28/23 19:11*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.53		0.734	0.771	1.00	0.845	pCi/L	10/31/23 10:49	11/22/23 16:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.0*		*30 - 110*	*10/31/23 10:49*	*11/22/23 16:03*	*1*
Y Carrier	*71.0*		*30 - 110*	*10/31/23 10:49*	*11/22/23 16:03*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	4.38		0.786	0.837	5.00	0.845	pCi/L		11/29/23 14:49	1

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-633893/1-A
Matrix: Water
Analysis Batch: 638434

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 633893

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.03642	U	0.0381	0.0382	1.00	0.104	pCi/L	10/27/23 10:41	11/28/23 09:33	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.9*		*30 - 110*	*10/27/23 10:41*	*11/28/23 09:33*	*1*

Lab Sample ID: LCS 160-633893/2-A
Matrix: Water
Analysis Batch: 638434

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 633893

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	11.51		1.18	1.00	0.0974	pCi/L	102	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*94.0*		*30 - 110*

Lab Sample ID: 180-164215-13 DU
Matrix: Water
Analysis Batch: 638434

Client Sample ID: FB-01
Prep Type: Total/NA
Prep Batch: 633893

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.0417	U		-0.01024	U	0.0325	1.00	0.0805	pCi/L			0.59	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*98.5*		*30 - 110*

Lab Sample ID: MB 160-634552/1-A
Matrix: Water
Analysis Batch: 638568

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 634552

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.01089	U	0.0626	0.0626	1.00	0.120	pCi/L	10/31/23 10:37	11/28/23 12:24	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*100*		*30 - 110*	*10/31/23 10:37*	*11/28/23 12:24*	*1*

Lab Sample ID: LCS 160-634552/2-A
Matrix: Water
Analysis Batch: 638568

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 634552

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	11.23		1.18	1.00	0.132	pCi/L	99	75 - 125		

Method: 9315 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-634552/2-A
Matrix: Water
Analysis Batch: 638568

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 634552

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	91.4		30 - 110

Lab Sample ID: 180-164294-1 DU
Matrix: Water
Analysis Batch: 638568

Client Sample ID: APMW-8D
Prep Type: Total/NA
Prep Batch: 634552

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.110	U		0.1716		0.0975	1.00	0.125	pCi/L			0.34	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	97.2		30 - 110

Lab Sample ID: MB 160-634554/1-A
Matrix: Water
Analysis Batch: 638758

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 634554

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.08605	U	0.0720	0.0725	1.00	0.106	pCi/L	10/31/23 10:51	11/29/23 07:25	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	88.9		30 - 110	10/31/23 10:51	11/29/23 07:25	1

Lab Sample ID: LCS 160-634554/2-A
Matrix: Water
Analysis Batch: 638758

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 634554

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	10.17		1.06	1.00	0.118	pCi/L	90	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	100		30 - 110

Lab Sample ID: 180-164261-5 DU
Matrix: Water
Analysis Batch: 638758

Client Sample ID: APMW-6D
Prep Type: Total/NA
Prep Batch: 634554

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.311			0.4274		0.140	1.00	0.142	pCi/L			0.44	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	100		30 - 110

Method: 9315 - Radium-226 (GFPC) (Continued)

Lab Sample ID: MB 160-634556/1-A
Matrix: Water
Analysis Batch: 638569

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 634556

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.004864	U	0.0482	0.0482	1.00	0.0978	pCi/L	10/31/23 10:55	11/28/23 07:39	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.2*		*30 - 110*	*10/31/23 10:55*	*11/28/23 07:39*	*1*

Lab Sample ID: LCS 160-634556/2-A
Matrix: Water
Analysis Batch: 638569

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 634556

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	11.61		1.21	1.00	0.132	pCi/L	102	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*89.9*		*30 - 110*

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-633894/1-A
Matrix: Water
Analysis Batch: 637413

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 633894

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.1864	U	0.281	0.281	1.00	0.477	pCi/L	10/27/23 10:45	11/17/23 15:01	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.9*		*30 - 110*	*10/27/23 10:45*	*11/17/23 15:01*	*1*
Y Carrier	*81.5*		*30 - 110*	*10/27/23 10:45*	*11/17/23 15:01*	*1*

Lab Sample ID: LCS 160-633894/2-A
Matrix: Water
Analysis Batch: 637413

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 633894

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.71	6.803		1.00	1.00	0.435	pCi/L	88	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*94.0*		*30 - 110*
Y Carrier	*82.6*		*30 - 110*

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: 180-164215-13 DU
Matrix: Water
Analysis Batch: 637274

Client Sample ID: FB-01
Prep Type: Total/NA
Prep Batch: 633894

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.00404	U		0.3491	U	0.315	1.00	0.496	pCi/L			0.61	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*98.5*		*30 - 110*
Y Carrier	*81.5*		*30 - 110*

Lab Sample ID: MB 160-634553/1-A
Matrix: Water
Analysis Batch: 637958

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 634553

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.4633		0.295	0.298	1.00	0.429	pCi/L	10/31/23 10:49	11/22/23 15:54	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*100*		*30 - 110*	*10/31/23 10:49*	*11/22/23 15:54*	*1*
Y Carrier	*87.9*		*30 - 110*	*10/31/23 10:49*	*11/22/23 15:54*	*1*

Lab Sample ID: LCS 160-634553/2-A
Matrix: Water
Analysis Batch: 637958

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 634553

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.70	7.678		1.11	1.00	0.455	pCi/L	100	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*91.4*		*30 - 110*
Y Carrier	*87.5*		*30 - 110*

Lab Sample ID: 180-164294-1 DU
Matrix: Water
Analysis Batch: 637957

Client Sample ID: APMW-8D
Prep Type: Total/NA
Prep Batch: 634553

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.781			0.3349	U	0.354	1.00	0.574	pCi/L			0.63	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*97.2*		*30 - 110*
Y Carrier	*90.5*		*30 - 110*

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: MB 160-634555/1-A
Matrix: Water
Analysis Batch: 637572

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 634555

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.3510	U	0.316	0.318	1.00	0.497	pCi/L	10/31/23 10:54	11/20/23 12:04	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.9*		*30 - 110*	*10/31/23 10:54*	*11/20/23 12:04*	*1*
Y Carrier	*81.9*		*30 - 110*	*10/31/23 10:54*	*11/20/23 12:04*	*1*

Lab Sample ID: LCS 160-634555/2-A
Matrix: Water
Analysis Batch: 637570

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 634555

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.70	7.407		1.05	1.00	0.474	pCi/L	96	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*100*		*30 - 110*
Y Carrier	*86.7*		*30 - 110*

Lab Sample ID: 180-164261-5 DU
Matrix: Water
Analysis Batch: 637570

Client Sample ID: APMW-6D
Prep Type: Total/NA
Prep Batch: 634555

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.205	U		0.1049	U	0.283	1.00	0.502	pCi/L			0.18	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*100*		*30 - 110*
Y Carrier	*79.3*		*30 - 110*

Lab Sample ID: MB 160-634558/1-A
Matrix: Water
Analysis Batch: 637236

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 634558

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.008951	U	0.301	0.301	1.00	0.564	pCi/L	10/31/23 11:00	11/16/23 11:58	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.2*		*30 - 110*	*10/31/23 11:00*	*11/16/23 11:58*	*1*
Y Carrier	*81.5*		*30 - 110*	*10/31/23 11:00*	*11/16/23 11:58*	*1*

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

Job ID: 180-164215-2

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-634558/2-A
Matrix: Water
Analysis Batch: 637236

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 634558

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.72	8.115		1.19	1.00	0.597	pCi/L	105	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*89.9*		*30 - 110*
Y Carrier	*81.1*		*30 - 110*

Rad

Prep Batch: 633893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164215-1	APMW-16	Total/NA	Water	PrecSep-21	
180-164215-2	APMW-15	Total/NA	Water	PrecSep-21	
180-164215-3	APMW-14	Total/NA	Water	PrecSep-21	
180-164215-4	APMW-13	Total/NA	Water	PrecSep-21	
180-164215-5	APMW-1R	Total/NA	Water	PrecSep-21	
180-164215-6	DUP-01	Total/NA	Water	PrecSep-21	
180-164215-7	DUP-02	Total/NA	Water	PrecSep-21	
180-164215-8	APMW-2D	Total/NA	Water	PrecSep-21	
180-164215-9	APMW-2	Total/NA	Water	PrecSep-21	
180-164215-10	APMW-3	Total/NA	Water	PrecSep-21	
180-164215-11	APMW-3D	Total/NA	Water	PrecSep-21	
180-164215-12	EB-01	Total/NA	Water	PrecSep-21	
180-164215-13	FB-01	Total/NA	Water	PrecSep-21	
MB 160-633893/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-633893/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
180-164215-13 DU	FB-01	Total/NA	Water	PrecSep-21	

Prep Batch: 633894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164215-1	APMW-16	Total/NA	Water	PrecSep_0	
180-164215-2	APMW-15	Total/NA	Water	PrecSep_0	
180-164215-3	APMW-14	Total/NA	Water	PrecSep_0	
180-164215-4	APMW-13	Total/NA	Water	PrecSep_0	
180-164215-5	APMW-1R	Total/NA	Water	PrecSep_0	
180-164215-6	DUP-01	Total/NA	Water	PrecSep_0	
180-164215-7	DUP-02	Total/NA	Water	PrecSep_0	
180-164215-8	APMW-2D	Total/NA	Water	PrecSep_0	
180-164215-9	APMW-2	Total/NA	Water	PrecSep_0	
180-164215-10	APMW-3	Total/NA	Water	PrecSep_0	
180-164215-11	APMW-3D	Total/NA	Water	PrecSep_0	
180-164215-12	EB-01	Total/NA	Water	PrecSep_0	
180-164215-13	FB-01	Total/NA	Water	PrecSep_0	
MB 160-633894/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-633894/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
180-164215-13 DU	FB-01	Total/NA	Water	PrecSep_0	

Prep Batch: 634552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164294-1	APMW-8D	Total/NA	Water	PrecSep-21	
180-164294-2	APMW-9	Total/NA	Water	PrecSep-21	
180-164294-3	APMW-10	Total/NA	Water	PrecSep-21	
180-164294-4	APMW-10D	Total/NA	Water	PrecSep-21	
180-164294-5	APMW-11	Total/NA	Water	PrecSep-21	
180-164294-6	APMW-12	Total/NA	Water	PrecSep-21	
180-164294-7	FB-03	Total/NA	Water	PrecSep-21	
180-164294-8	EB-03	Total/NA	Water	PrecSep-21	
180-164294-9	DUP-04	Total/NA	Water	PrecSep-21	
MB 160-634552/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-634552/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
180-164294-1 DU	APMW-8D	Total/NA	Water	PrecSep-21	

Rad

Prep Batch: 634553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164294-1	APMW-8D	Total/NA	Water	PrecSep_0	
180-164294-2	APMW-9	Total/NA	Water	PrecSep_0	
180-164294-3	APMW-10	Total/NA	Water	PrecSep_0	
180-164294-4	APMW-10D	Total/NA	Water	PrecSep_0	
180-164294-5	APMW-11	Total/NA	Water	PrecSep_0	
180-164294-6	APMW-12	Total/NA	Water	PrecSep_0	
180-164294-7	FB-03	Total/NA	Water	PrecSep_0	
180-164294-8	EB-03	Total/NA	Water	PrecSep_0	
180-164294-9	DUP-04	Total/NA	Water	PrecSep_0	
MB 160-634553/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-634553/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
180-164294-1 DU	APMW-8D	Total/NA	Water	PrecSep_0	

Prep Batch: 634554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164261-5	APMW-6D	Total/NA	Water	PrecSep-21	
180-164261-6	APMW-6R	Total/NA	Water	PrecSep-21	
180-164261-7	APMW-7	Total/NA	Water	PrecSep-21	
180-164261-8	APMW-8	Total/NA	Water	PrecSep-21	
180-164261-9	DUP-03	Total/NA	Water	PrecSep-21	
180-164261-10	FB-02	Total/NA	Water	PrecSep-21	
180-164261-11	EB-02	Total/NA	Water	PrecSep-21	
MB 160-634554/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-634554/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
180-164261-5 DU	APMW-6D	Total/NA	Water	PrecSep-21	

Prep Batch: 634555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164261-5	APMW-6D	Total/NA	Water	PrecSep_0	
180-164261-6	APMW-6R	Total/NA	Water	PrecSep_0	
180-164261-7	APMW-7	Total/NA	Water	PrecSep_0	
180-164261-8	APMW-8	Total/NA	Water	PrecSep_0	
180-164261-9	DUP-03	Total/NA	Water	PrecSep_0	
180-164261-10	FB-02	Total/NA	Water	PrecSep_0	
180-164261-11	EB-02	Total/NA	Water	PrecSep_0	
MB 160-634555/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-634555/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
180-164261-5 DU	APMW-6D	Total/NA	Water	PrecSep_0	

Prep Batch: 634556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164261-1	APMW-4D	Total/NA	Water	PrecSep-21	
180-164261-2	APMW-4	Total/NA	Water	PrecSep-21	
180-164261-3	APMW-5D	Total/NA	Water	PrecSep-21	
180-164261-4	APMW-5	Total/NA	Water	PrecSep-21	
MB 160-634556/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-634556/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 634558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164261-1	APMW-4D	Total/NA	Water	PrecSep_0	

Rad (Continued)

Prep Batch: 634558 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164261-2	APMW-4	Total/NA	Water	PrecSep_0	
180-164261-3	APMW-5D	Total/NA	Water	PrecSep_0	
180-164261-4	APMW-5	Total/NA	Water	PrecSep_0	
MB 160-634558/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-634558/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

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

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Rick Hagendorfer / Kevin Beaty	Lab PM: Brown, Shali	Carrier Tracking No(s)	COC No
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 1 of 2
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: Alabama				
Phone: 205 992 6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Watson Ash Pond	Project #: 18020186			
Site:	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total 6020 App III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	Total Number of containers
			Preservation Code:								
APMW-16	10-18-23	0938	G	water	No		X	X	X	X	4
APMW-15	10-18-23	1051	G	water	No		X	X	X	X	4
APMW-14	10-18-23	1249	G	water	No		X	X	X	X	4
APMW-13	10-18-23	1406	G	water	No		X	X	X	X	4
APMW-1R	10-19-23	0900	G	water	No		X	X	X	X	4
DUP-01	10-18-23	1149	G	water	No		X	X	X	X	4
DUP-02	10-19-23	0800	G	water	No		X	X	X	X	4
APMW-2D	10-19-23	1018	G	water	No		X	X	X	X	4
APMW-2	10-19-23	1131	G	water	No		X	X	X	X	4
APMW-3	10-19-23	1247	G	water	No		X	X	X	X	4
APMW-3D	10-19-23	1358	G	water	No		X	X	X	X	4

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA

M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Note:

180-164215 Chain of Custody

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

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

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

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:		
Relinquished by: [signature]	Date/Time: 10-19-23 1504	Company: RDH EM	Received by: [signature]	Date/Time: 10/20/23 09:20	Company: TEAHNF
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

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

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Rick Hagenbarth	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 2 of 2
Company: SCS				Job #:

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

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Total Filtered Sample (Yes or No)	Total 6020 App III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
EB-01	10-19-23	1305	G	water	No	X	X	X	X	4	
FB-01	10-19-23	1300	G	water	No	X	X	X	X	4	

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
	10-19-23 1504	ROH ENV.			
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by	Date/Time	Company	Received by:	Date/Time	Company

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

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Rick Heyendorfer	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: Page 1 of 1
Company: SCS				Job #:

Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:	Analysis Requested	Preservation Codes:
City: Birmingham	TAT Requested (days):		A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: Alabama			
Phone: 205 992 6283	PO #:		Other:
Email: SCS Contacts	WO #:		
Project Name: Watson Ash Pond	Project #: 18020186		
Site	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Total 6020 App III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
APMW-4D	10-19-23	1639	G	water	No	X	X	X	X	4	
APMW-4	10-19-23	1744	G	water	No	X	X	X	X	4	
APMW-5D	10-20-23	0906	G	water	No	X	X	X	X	4	
APMW-5	10-20-23	1017	G	water	No	X	X	X	X	4	
APMW-6D	10-20-23	1147	G	water	No	X	X	X	X	4	
APMW-6R	10-20-23	1245	G	water	No	X	X	X	X	4	
APMW-7	10-20-23	1408	G	water	No	X	X	X	X	4	
APMW-8	10-20-23	1503	G	water	No	X	X	X	X	4	
DUP-03	10-20-23	0917	G	water	No	X	X	X	X	4	
EB-02	10-20-23	1140	G	water	No	X	X	X	X	4	
EB-02	10-20-23	1210	G	water	No	X	X	X	X	4	

180-164261 Chain of Custody

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
1		10-20-23 1522	RDH ENV.		10/21/23 0905	EPITOME
2	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
3	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

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

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

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

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Total 6020 App III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	Total Number of Containers	Special Instructions/Note:
			Preservation Code:								
APMW-8D	10-20-23	1723	G	water	N	X	X	X	X	4	
APMW-9	10-20-23	1823	G	water	N	X	X	X	X	4	
APMW-10	10-21-23	0815	G	water	N	X	X	X	X	4	
APMW-10D	10-21-23	0911	G	water	N	X	X	X	X	4	
APMW-11	10-21-23	1025	G	water	N	X	X	X	X	4	
APMW-12	10-21-23	1126	G	water	N	X	X	X	X	4	
FB-03	10-21-23	0947	G	water	N	X	X	X	X	4	
EB-03	10-21-23	0952	G	water	N	X	X	X	X	4	
DUP-04	10-21-23	0715	G	water	N	X	X	X	X	4	

180-164294 Chain of Custody

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		10-23-23 1305	ROH ENV.		10/24/23 10:22	EBHNE
2	Relinquished by:	Date/Time	Company	Received by	Date/Time	Company
3	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

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

Ver: 01/16/2019

Do not lift using this tag.

Part # 156297-435 RRB2 EXP 05/24

ORIGIN ID:BIXA (850) 336-0192
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 19OCT23
ACTWGT: 70.20 LB
CAD: 6993800/SSFE2441
DIMS: 24x14x13 IN
BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH PA 15238
(850) 336-0192 REF:
INV:
PO: DEPT:

Uncorrected temp 2.8 °C
Thermometer ID 20
CF -0.5 Initials PW
PT-WI-SR-001 effective 11/8/18

FedEx Express
E
J234023101501uv

2 of 3
MPS# 0263 7852 8428 9669
Mstr# 7852 8428 9658 0201

FRI – 20 OCT 10:30A
PRIORITY OVERNIGHT
AHS
15238
PA-US PIT

XS AGCA

RT 198 1 10:30 A
FZ 197 9669 10:20

180-164215 Waybill

Do not lift using this tag.

Part # 156297-435 RRB2 EXP 05/24

ORIGIN ID:BIXA (850) 336-0192
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 19OCT23
ACTWGT: 70.20 LB
CAD: 6993800/SSFE2441
DIMS: 24x14x13 IN
BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH PA 15238
(850) 336-0192 REF:
INV:
PO: DEPT:

Uncorrected temp 1.8 °C
Thermometer ID 20
CF -0.5 Initials PW
PT-WI-SR-001 effective 11/8/18

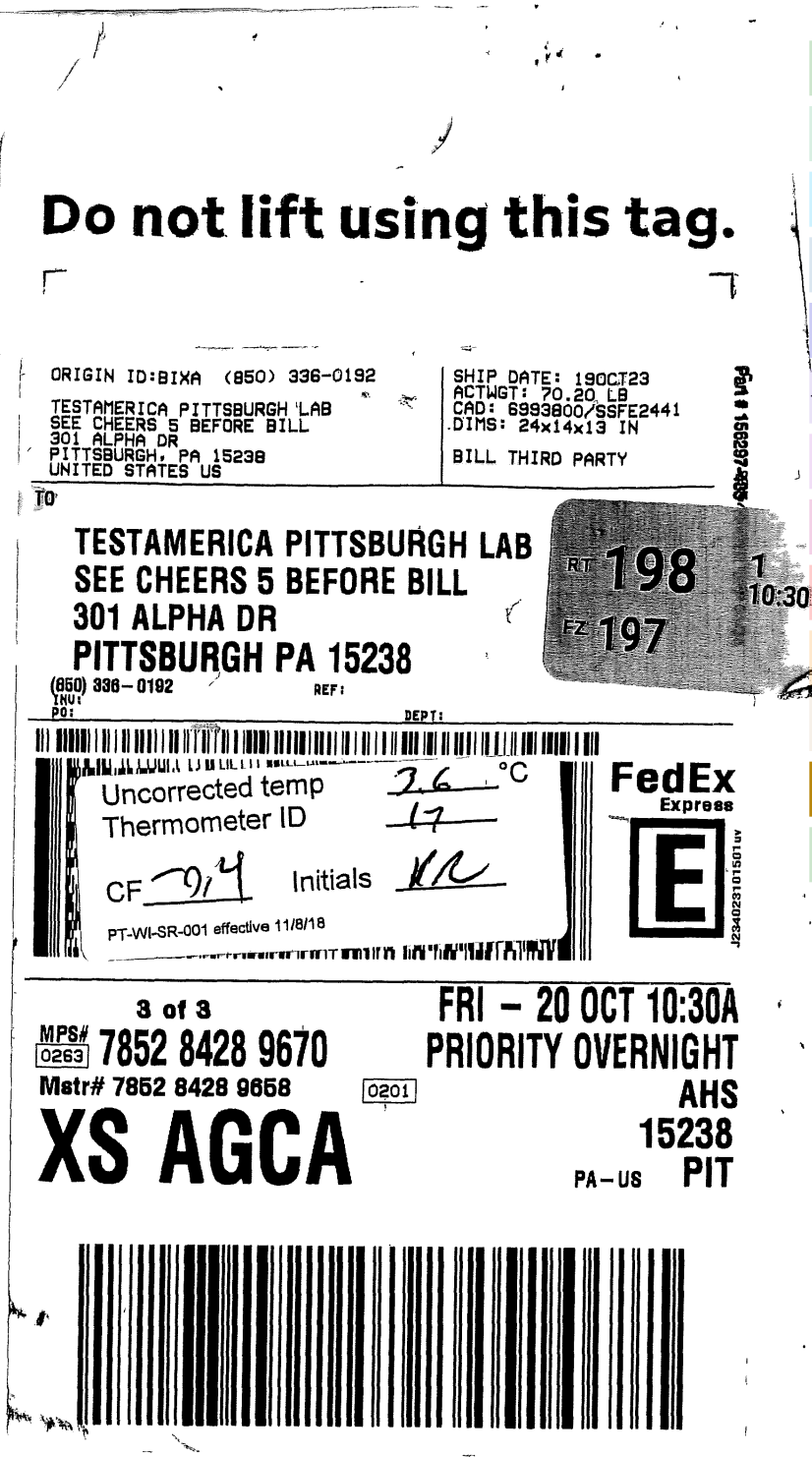
FedEx Express
E
J234023101501uv

1 of 3
TRK# 0201 7852 8428 9658
MASTER

FRI – 20 OCT 10:30A
PRIORITY OVERNIGHT
AHS
15238
PA-US PIT

XS AGCA

RT 198 1 10:30 A



Do not lift using this tag.

ORIGIN ID:BIXA (850) 336-0192
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 19OCT23
ACTWGT: 70.20 LB
CAD: 6993800/SSFE2441
DIMS: 24x14x13 IN
BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH PA 15238
(850) 336-0192
INV:
PO:
REF:
DEPT:

RT 198 1
FZ 197 10:30

Uncorrected temp 2.6 °C
Thermometer ID 17
CF 0.4 Initials KR
PT-WI-SR-001 effective 11/8/18

FedEx Express

3 of 3
MPS# 0263 7852 8428 9670
Mstr# 7852 8428 9658
0201
XS AGCA

FRI - 20 OCT 10:30A
PRIORITY OVERNIGHT
AHS
15238
PA-US PIT

Do not lift using this tag.

ORIGIN ID:BIXA (850) 336-0192

TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 19OCT23
ACTWGT: 70.20 LB
CAD: 6993800/SSFE2441
DIMS: 24x14x13 IN

BILL THIRD PARTY

Part # 156297-439 RRD SUP 05/24

TO

TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH PA 15238

(850) 336-0192 REF:
INV:
PO: DEPT:

Uncorrected temp 2.8 °C
Thermometer ID 20
CF -0.5 Initials PM
PT-WI-SR-001 effective 11/8/18

FedEx Express

2 of 3
MPS# 0263 7852 8428 9669
Mstr# 7852 8428 9658 0201

FRI – 20 OCT 10:30A
PRIORITY OVERNIGHT
AHS
15238
PA–US PIT

XS AGCA

RT 198 1 10:30
FZ 197 9668 10.20

180-164215 Waybill

Do not lift using this tag.

ORIGIN ID:BIXA (850) 336-0192

TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 19OCT23
ACTWGT: 70.20 LB
CAD: 6993800/SSFE2441
DIMS: 24x14x13 IN

BILL THIRD PARTY

Part # 156297-439 RRD SUP 05/24

TO

TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH PA 15238

(850) 336-0192 REF:
INV:
PO: DEPT:

Uncorrected temp 1.8 °C
Thermometer ID 20
CF -0.5 Initials PM
PT-WI-SR-001 effective 11/8/18

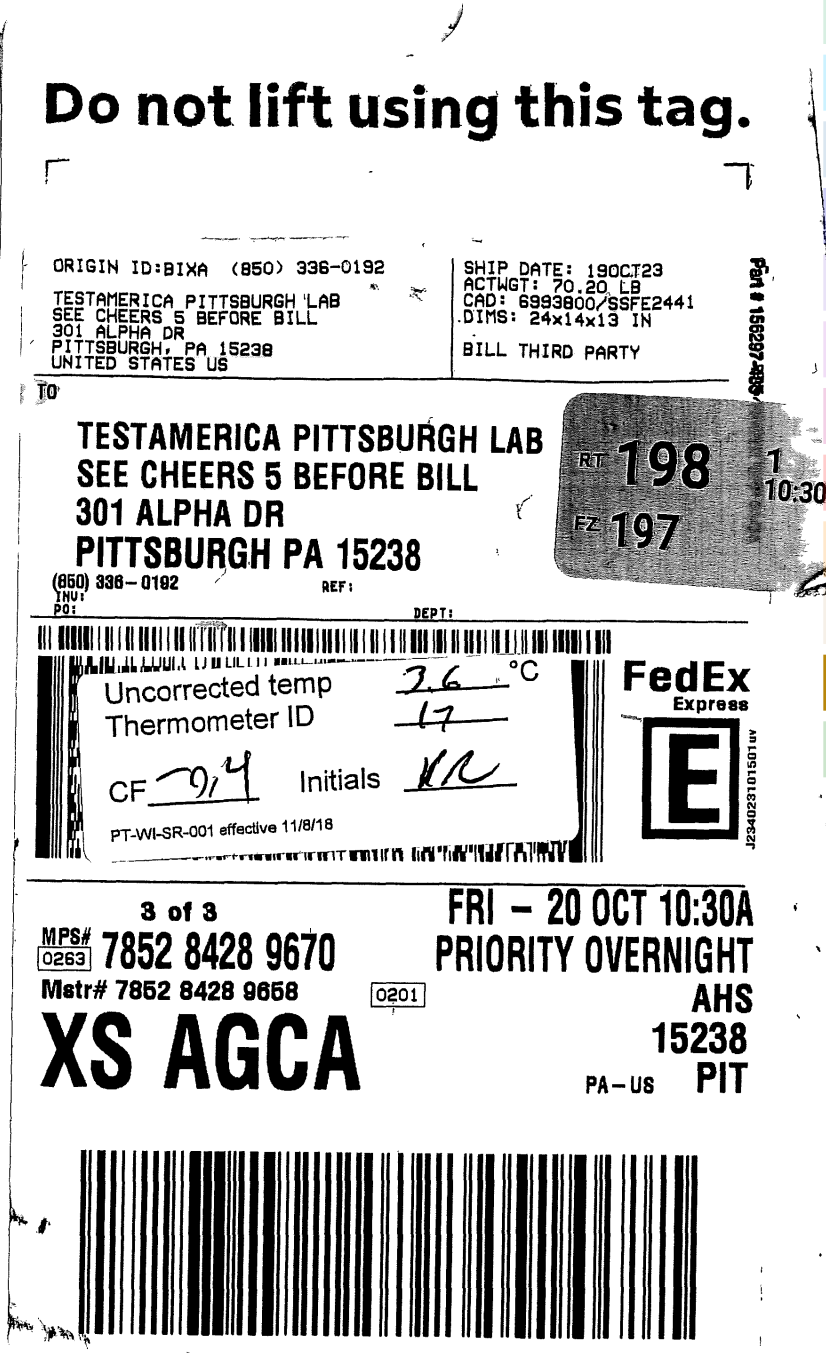
FedEx Express

1 of 3
TRK# 0201 7852 8428 9658
MASTER

FRI – 20 OCT 10:30A
PRIORITY OVERNIGHT
AHS
15238
PA–US PIT

XS AGCA

RT 198 1 10:30 A



Do not lift using this tag.

ORIGIN ID:BIXA (850) 336-0192
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 19OCT23
ACTWGT: 70.20 LB
CAD: 6993800/SSFE2441
DIMS: 24x14x13 IN
BILL THIRD PARTY

Part # 156287-635

TO
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH PA 15238
(850) 336-0192
INV:
PO:
REF:
DEPT:

RT 198 1
FZ 197 10:30

Uncorrected temp 3.6 °C
Thermometer ID 17
CF 0.4 Initials KR
PT-WI-SR-001 effective 11/8/18

FedEx Express

3 of 3
MPS# 0263 7852 8428 9670
Mstr# 7852 8428 9658
0201
XS AGCA

FRI - 20 OCT 10:30A
PRIORITY OVERNIGHT
AHS
15238
PA-US PIT

FedEx Saturda
XO AGCA
MPS# 7853 3491 0868
2 of 3
Mstr# 7853 3491 0857
0263
0201
SATURDAY 12:00P
PRIORITY OVERNIGHT
AHS
15238
PIT
PA-US
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH PA 15238
(850) 336-0192
Uncorrected temp
Thermometer ID
2.9 °C
22
Initials
CF-0.4
PT-WI-SR-001 effective 11/8/18
FedEx Express
Do not lift using this tag.
1804261 Waybill

ORIGIN ID:BIXA (850) 336-0192
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 20OCT23
ACTWGT: 70.00 LB
CAD: 6993799/SSFE2441
DIMS: 24x14x14 IN
BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH PA 15238
(850) 336-0192 REF:
INV:
PO: DEPT:

Uncorrected temp 3.9 °C
Thermometer ID 22
CF -0.4 Initials JR
PT-WI-SR-001 effective 11/8/18

FedEx Express E
J234023101501uv

1 of 3
TRK# 0201 7853 3491 0857
MASTER
XO AGCA

SATURDAY 12:00P
PRIORITY OVERNIGHT
AHS
15238
PA-US PIT

SDR
FedEx Express
FedEx Saturday Delivery
151967 REV 3/21

Part # 156297-435 NRDDB EXP 05/24

SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US
BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH PA 15238
(850) 336-0192 REF:
INV:
PO: DEPT:

FedEx Express E
J234023101501uv

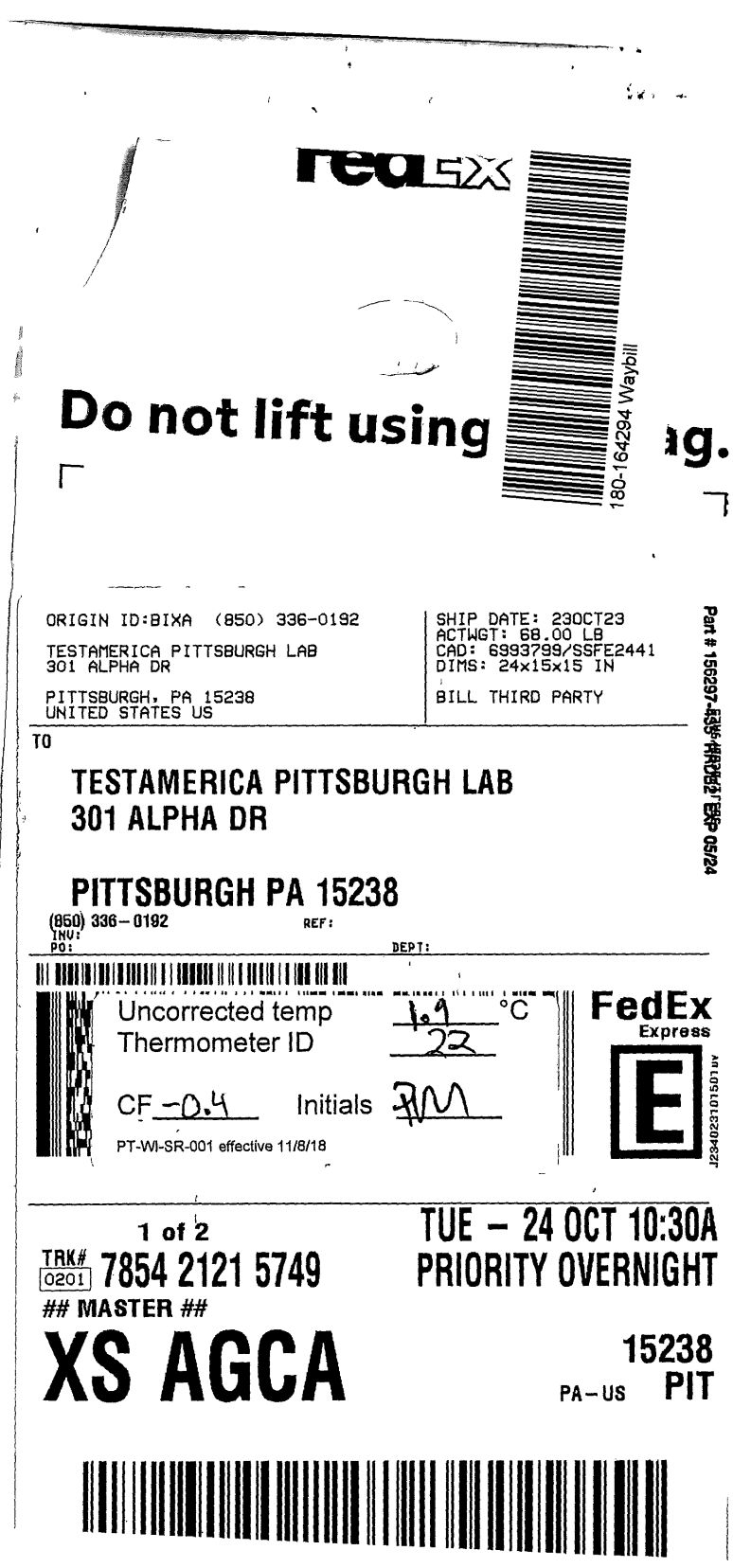
3 of 3
MPS# 0263 7853 3491 0879
Mstr# 7853 3491 0857 0201
XO AGCA

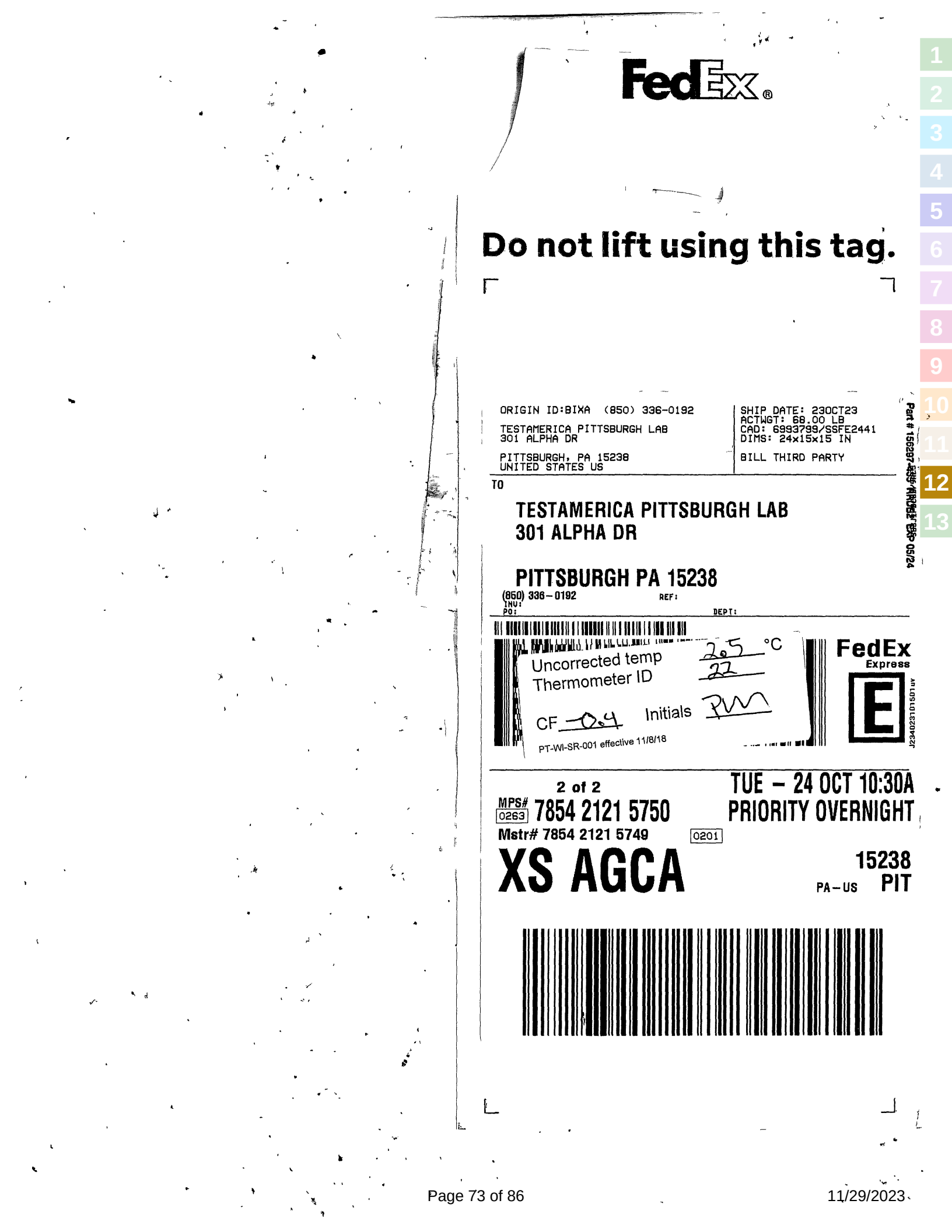
SATURDAY 12:00P
PRIORITY OVERNIGHT
AHS
15238
PA-US PIT

Uncorrected temp 5.0 °C
Thermometer ID 22
CF -0.4 Initials JR
PT-WI-SR-001 effective 11/8/18

SDR
FedEx Express

297-435 NRDDB EXP 05/24


Do not lift using
ig.
180-164294 Waybill
ORIGIN ID:BIXA (850) 336-0192
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US
SHIP DATE: 23OCT23
ACTWGT: 68.00 LB
CAD: 6993799/SSFE2441
DIMS: 24x15x15 IN
BILL THIRD PARTY
Part # 156297-
EXP 05/24
TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH PA 15238
(850) 336-0192
INV:
PO:
REF:
DEPT:
Uncorrected temp 1.9 °C
Thermometer ID 22
CF -0.4 Initials
PT-WI-SR-001 effective 11/8/18
FedEx
Express
1 of 2
TRK# 0201 7854 2121 5749
TUE - 24 OCT 10:30A
PRIORITY OVERNIGHT
MASTER
XS AGCA
15238
PA-US PIT


FedEx
Do not lift using this tag.
ORIGIN ID:BIXA (850) 336-0192
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US
SHIP DATE: 23OCT23
ACTWGT: 68.00 LB
CAD: 6993799/SSFE2441
DIMS: 24x15x15 IN
BILL THIRD PARTY
TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH PA 15238
(850) 336-0192
INV:
PO:
REF:
DEPT:
Uncorrected temp 2.5 °C
Thermometer ID 22
CF -0.4 Initials RW
PT-WI-SR-001 effective 11/8/18
FedEx Express
2 of 2
MPS# 0263 7854 2121 5750
Mstr# 7854 2121 5749
0201
TUE - 24 OCT 10:30A
PRIORITY OVERNIGHT
XS AGCA
15238
PA-US PIT

fedEx

180-164294 Waybill

Do not lift using ... ag.

ORIGIN ID:BIXA (850) 336-0192
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR

PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 23OCT23
ACTWGT: 68.00 LB
CAD: 6993799/SSFE2441
DIMS: 24x15x15 IN

BILL THIRD PARTY

Part # 156297-435 RRDB2 EXP 05/24

TO

TESTAMERICA PITTSBURGH LAB
301 ALPHA DR

PITTSBURGH PA 15238

(850) 336-0192 REF:
INV:
PO: DEPT:

Uncorrected temp 1.9 °C
Thermometer ID 22

CF -0.4 Initials RM

PT-WI-SR-001 effective 11/8/18

FedEx Express

E

J234023101501uv

1 of 2

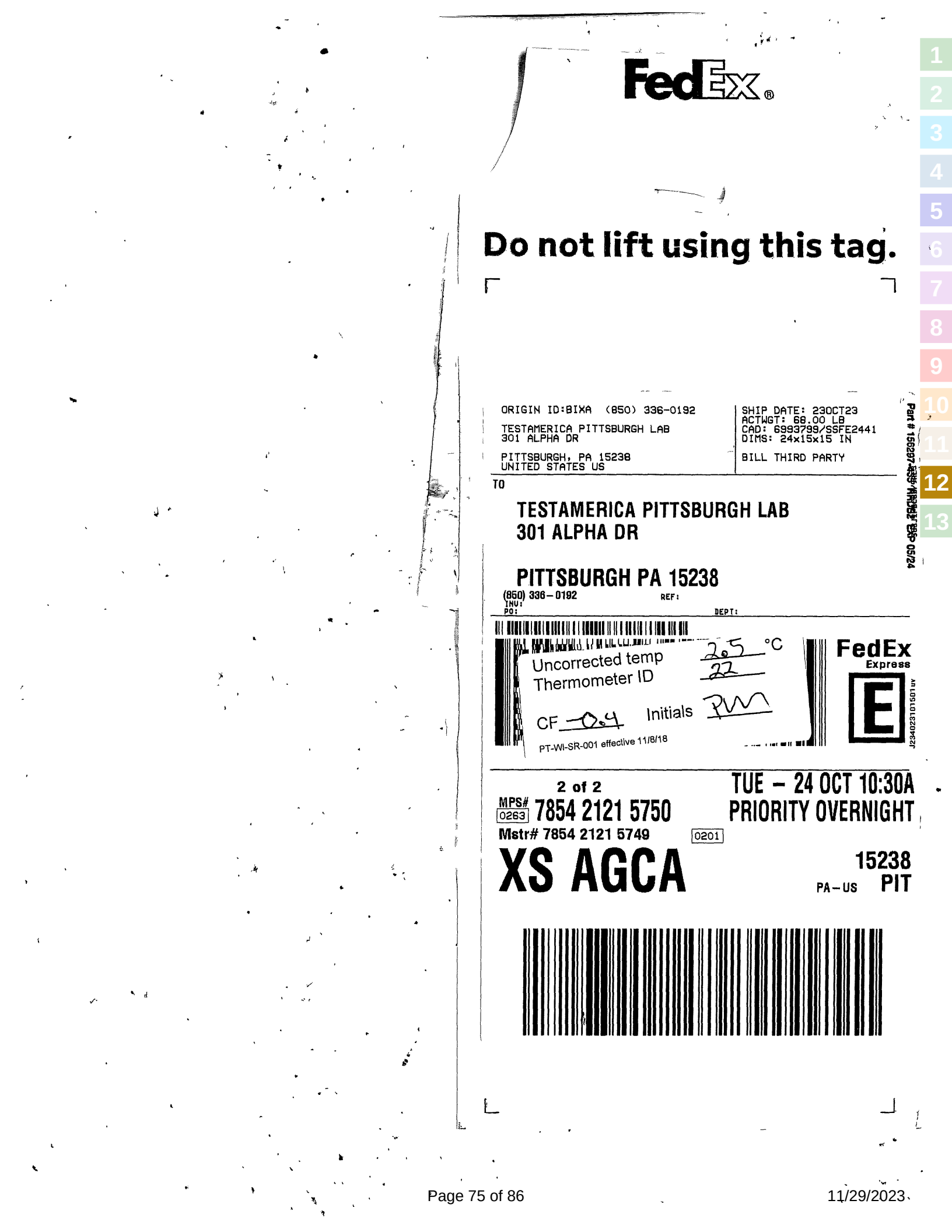
TRK# 0201 7854 2121 5749

MASTER

TUE - 24 OCT 10:30A
PRIORITY OVERNIGHT

XS AGCA

15238
PA-US PIT


FedEx
Do not lift using this tag.
ORIGIN ID:BIXA (850) 336-0192
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US
SHIP DATE: 23OCT23
ACTWGT: 68.00 LB
CAD: 6993799/SSFE2441
DIMS: 24x15x15 IN
BILL THIRD PARTY
TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH PA 15238
(850) 336-0192
INV:
PO:
REF:
DEPT:
Uncorrected temp 20.5 °C
Thermometer ID 22
CF -0.4 Initials RW
PT-WI-SR-001 effective 11/8/18
FedEx Express
2 of 2
MPS# 0263 7854 2121 5750
Mstr# 7854 2121 5749
0201
TUE - 24 OCT 10:30A
PRIORITY OVERNIGHT
XS AGCA
15238
PA-US PIT

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 180-498209.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 180-164215-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 11/27/2023			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045	PO #:			
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	WO #:			
Email:	Project #: 18020186			
Project Name: Plant Watson Ash Pond	SSOW#:			
Site:				

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
APMW-16 (180-164215-1)	10/18/23	09:38 Eastern		Water			X	X	X	2	
APMW-15 (180-164215-2)	10/18/23	10:51 Eastern		Water			X	X	X	2	
APMW-14 (180-164215-3)	10/18/23	12:49 Eastern		Water			X	X	X	2	
APMW-13 (180-164215-4)	10/18/23	14:06 Eastern		Water			X	X	X	2	
APMW-1R (180-164215-5)	10/19/23	09:00 Eastern		Water			X	X	X	2	
DUP-01 (180-164215-6)	10/18/23	11:49 Eastern		Water			X	X	X	2	
DUP-02 (180-164215-7)	10/19/23	08:00 Eastern		Water			X	X	X	2	
APMW-2D (180-164215-8)	10/19/23	10:18 Eastern		Water			X	X	X	2	
APMW-2 (180-164215-9)	10/19/23	11:31 Eastern		Water			X	X	X	2	

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

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

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	[signature]	10-24-23 1700	Eurofins	Fedex		
	Relinquished by: Fedex	Date/Time:	Company	Received by: M. Pinette	Date/Time: OCT 25 2023 0950	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 180-498209.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 180-164215-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 11/27/2023			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Plant Watson Ash Pond	Project #: 18020186			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
APMW-3 (180-164215-10)	10/19/23	12:47 Eastern		Water			X	X	X	2	
APMW-3D (180-164215-11)	10/19/23	13:58 Eastern		Water			X	X	X	2	
EB-01 (180-164215-12)	10/19/23	13:05 Eastern		Water			X	X	X	2	
FB-01 (180-164215-13)	10/19/23	13:00 Eastern		Water			X	X	X	2	

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

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

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	10-24-23 1700	E.F. Pittsburgh	Fedex		
Relinquished by: Fedex	Date/Time:	Company	Received by: M. Pinette	Date/Time: OCT 25 2023 1050	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 06/08/2021

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

Chain of Custody Record

eurofins Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 180-498208.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 180-164261-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 11/28/2023			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Plant Watson Ash Pond	Project #: 18020186			
Site:	SSOW#:			

Analysis Requested

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

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
APMW-4D (180-164261-1)	10/19/23	16:39 Eastern		Water			X	X	X	2	
APMW-4 (180-164261-2)	10/19/23	17:44 Eastern		Water			X	X	X	2	
APMW-5D (180-164261-3)	10/20/23	09:06 Eastern		Water			X	X	X	2	
APMW-5 (180-164261-4)	10/20/23	10:17 Eastern		Water			X	X	X	2	
APMW-6D (180-164261-5)	10/20/23	11:47 Eastern		Water			X	X	X	2	
APMW-6R (180-164261-6)	10/20/23	12:45 Eastern		Water			X	X	X	2	
APMW-7 (180-164261-7)	10/20/23	14:08 Eastern		Water			X	X	X	2	
APMW-8 (180-164261-8)	10/20/23	15:03 Eastern		Water			X	X	X	2	
DUP-03 (180-164261-9)	10/20/23	09:17 Eastern		Water			X	X	X	2	

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

Possible Hazard Identification
Unconfirmed

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

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:
Relinquished by: [signature]	Date/Time: 10-24-23 1700	Company: EETA-STL	Received by: FedEx		Date/Time:	Company
Relinquished by: FedEx	Date/Time:	Company	Received by: M. Pinetto		Date/Time: OCT 2 5 2023 1050	Company
Relinquished by:	Date/Time:	Company	Received by:		Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:			

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 180-498208.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 180-164261-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 11/28/2023			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Plant Watson Ash Pond	Project #: 18020186			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
FB-02 (180-164261-10)	10/20/23	11:40 Eastern		Water			X	X	X	2	
EB-02 (180-164261-11)	10/20/23	12:10 Eastern		Water			X	X	X	2	

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

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

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	10-24-23 1700	EP Pitts	Fedex		
2	Fedex			M. Pinette	OCT 25 2023 1050	
3						

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

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 180-498284.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 180-164294-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 11/29/2023			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045	PO #:			
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	WO #:			
Email:	Project #: 18020186			
Project Name: Plant Watson Ash Pond	SSOW#:			
Site:				

Preservation Codes:

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

Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
APMW-8D (180-164294-1)	10/20/23	17:23 Eastern		Water			X	X	X	2	
APMW-9 (180-164294-2)	10/20/23	18:23 Eastern		Water			X	X	X	2	
APMW-10 (180-164294-3)	10/21/23	08:15 Eastern		Water			X	X	X	2	
APMW-10D (180-164294-4)	10/21/23	09:11 Eastern		Water			X	X	X	2	
APMW-11 (180-164294-5)	10/21/23	10:25 Eastern		Water			X	X	X	2	
APMW-12 (180-164294-6)	10/21/23	11:26 Eastern		Water			X	X	X	2	
FB-03 (180-164294-7)	10/21/23	09:47 Eastern		Water			X	X	X	2	
EB-03 (180-164294-8)	10/21/23	09:52 Eastern		Water			X	X	X	2	
DUP-04 (180-164294-9)	10/21/23	07:15 Eastern		Water			X	X	X	2	

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

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

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

	Date/Time	Company		Date/Time	Company
Relinquished by:	10-25-23 1700	EP Pitts	Received by: FED EX		
Relinquished by: FED EX	Date/Time:	Company	Received by: Sierra Worthington	Date/Time: OCT 26 2023 0840	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 06/08/2021

11/29/2023

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-164215-2

Login Number: 164215
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

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

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-164215-2

Login Number: 164215
List Number: 3
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 10/25/23 02:49 PM

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

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-164215-2

Login Number: 164261
List Number: 1
Creator: Oster, Rachel A

List Source: Eurofins Pittsburgh

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

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-164215-2

Login Number: 164261
List Number: 3
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 10/25/23 02:46 PM

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

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-164215-2

Login Number: 164294
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

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

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-164215-2

Login Number: 164294
List Number: 3
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 10/26/23 02:58 PM

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/14/2023 7:32:10 PM

JOB DESCRIPTION

Plant Watson Ash Pond Surfacewater

JOB NUMBER

180-164148-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

Job Notes

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

PA Lab ID: 02-00416

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

Authorization

Generated
11/14/2023 7:32:10 PM

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

Table of Contents

Job ID: 180-164148-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-164148-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt
The samples were received on 10/19/2023 9:20 AM and 10/27/2023 9:10 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 13 coolers at receipt time were 0.6°C, 0.8°C, 1.2°C, 1.6°C, 2.1°C, 2.4°C, 2.7°C, 2.8°C, 3.0°C, 3.2°C, 3.3°C, 4.1°C and 4.9°C

Receipt Exceptions
The following samples were listed on the Chain of Custody (COC); however, no samples were received as a result of a lost cooler in transit. SW-6 (180-164148-19), SW-6 (180-164148-20), SW-6 (180-164148-21), SW-6 (180-164148-22), SW-11 (180-164148-30), EB-02 (180-164148-39), FB-02 (180-164148-40). The client was contacted; samples were recollected and are included in this report.

HPLC/IC
Method 300_ORGFM_28D: The following sample was diluted due to the nature of the sample matrix: SW-1 (180-164148-1), SW-1 (180-164148-2), SW-1 (180-164148-3), SW-1 (180-164148-4), SW-2 (180-164148-5), SW-2 (180-164148-6), SW-2 (180-164148-7), SW-2 (180-164148-8), SW-3 (180-164148-9), SW-3 (180-164148-10), SW-3 (180-164148-11), SW-3 (180-164148-12), SW-4 (180-164148-13), SW-4 (180-164148-14). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D: The following sample was diluted due to the nature of the sample matrix: SW-9 (180-164148-23). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D: The following sample was diluted to bring the concentration of target analytes within the calibration range: SW-9 (180-164148-23). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D: The continuing calibration blank (CCB) for analytical batch 180-450452 contained chloride above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method 300_ORGFM_28D: The following samples were diluted due to the nature of the sample matrix: SW-5 (180-164148-15), SW-5 (180-164148-16), SW-5 (180-164148-17) and SW-5 (180-164148-18). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D: The following samples were diluted due to the nature of the sample matrix: SW-9 (180-164148-24), SW-9 (180-164148-25), SW-9 (180-164148-26), SW-10 (180-164148-27), SW-10 (180-164148-28), SW-11 (180-164148-29), SW-12 (180-164148-31), SW-12 (180-164148-32), DUP-01 (180-164148-33), DUP-01 (180-164148-34), DUP-02 (180-164148-35) and DUP-02 (180-164148-36). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D: The continuing calibration blank (CCB) for analytical batch 180-450167 contained chloride above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method 300_ORGFM_28D: The following samples were diluted to bring the concentration of target analytes within the calibration range:

Job ID: 180-164148-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

SW-12 (180-164148-31), SW-12 (180-164148-32), DUP-01 (180-164148-33), DUP-01 (180-164148-34), DUP-02 (180-164148-35) and DUP-02 (180-164148-36). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D: The following samples were diluted due to the nature of the sample matrix: SW-14 (180-164520-9), SW-14 (180-164520-10), SW-15 (180-164520-11), SW-15 (180-164520-12), SW-16 (180-164520-13), SW-16 (180-164520-14), SW-17 (180-164520-15), SW-17 (180-164520-16), DUP-03 (180-164520-17), DUP-03 (180-164520-18), (180-164464-A-6), (180-164464-A-6 MS) and (180-164464-A-6 MSD) at 2.5, 2.5, 2.5, 2.5, 25.0, 2.5, 25.0, 2.5, 25.0, 2.5, 25.0, 2.5, 25.0, 2.5, 25.0, 2.5, 25.0, 2.5, 25.0, 2.5, 25.0, 2.5 and 25.0. Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D: The following samples were diluted due to the nature of the sample matrix: SW-6 (180-164520-1), SW-6 (180-164520-2), SW-6 (180-164520-3), SW-6 (180-164520-4), SW-11 (180-164520-5), SW-11 (180-164520-6), SW-13 (180-164520-7) and SW-13 (180-164520-8) at 2.5, 25.0, 2.5, 25.0, 2.5, 25.0, 2.5, 25.0, 2.5, 25.0, 2.5, 25.0, 2.5, 25.0, 2.5 and 25.0. Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D: The following sample was diluted to bring the concentration of target analytes within the calibration range: SW-9 (180-164148-23). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D: The continuing calibration blank (CCB) for analytical batch 180-450452 contained chloride above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method 300_ORGFM_28D: The following samples were diluted due to the nature of the sample matrix: SW-5 (180-164148-15), SW-5 (180-164148-16), SW-5 (180-164148-17) and SW-5 (180-164148-18). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D: The following samples were diluted due to the nature of the sample matrix: SW-9 (180-164148-24), SW-9 (180-164148-25), SW-9 (180-164148-26), SW-10 (180-164148-27), SW-10 (180-164148-28), SW-11 (180-164148-29), SW-12 (180-164148-31), SW-12 (180-164148-32), DUP-01 (180-164148-33), DUP-01 (180-164148-34), DUP-02 (180-164148-35) and DUP-02 (180-164148-36). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D: The continuing calibration blank (CCB) for analytical batch 180-450167 contained chloride above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method 300_ORGFM_28D: The following samples were diluted to bring the concentration of target analytes within the calibration range: SW-12 (180-164148-31), SW-12 (180-164148-32), DUP-01 (180-164148-33), DUP-01 (180-164148-34), DUP-02 (180-164148-35) and DUP-02 (180-164148-36). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D: The following samples were diluted due to the nature of the sample matrix: SW-14 (180-164520-9), SW-14 (180-164520-10), SW-15 (180-164520-11), SW-15 (180-164520-12), SW-16 (180-164520-13), SW-16 (180-164520-14), SW-17 (180-164520-15), SW-17 (180-164520-16), DUP-03 (180-164520-17), DUP-03 (180-164520-18), (180-164464-A-6), (180-164464-A-6 MS) and (180-164464-A-6 MSD) at 2.5, 2.5, 2.5, 2.5, 25.0, 2.5, 25.0, 2.5, 25.0, 2.5, 25.0, 2.5, 25.0, 2.5, 25.0, 2.5, 25.0, 2.5, 25.0, 2.5, 25.0, 2.5 and 25.0. Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D: The following samples were diluted due to the nature of the sample matrix: SW-6 (180-164520-1), SW-6 (180-164520-2), SW-6 (180-164520-3), SW-6 (180-164520-4), SW-11 (180-164520-5), SW-11 (180-164520-6), SW-13 (180-164520-7) and SW-13 (180-164520-8) at 2.5, 25.0, 2.5, 25.0, 2.5, 25.0, 2.5, 25.0, 2.5, 25.0, 2.5, 25.0, 2.5, 25.0, 2.5 and 25.0. Elevated reporting limits (RLs) are provided.

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

Metals

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

Job ID: 180-164148-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

General Chemistry

Method 2540C_Calcd: Reanalysis of the following sample(s) was performed outside of the analytical holding time due to failure of quality control parameters in the initial analysis. SW-1 (180-164148-1)

Method 2540C_Calcd: The sample did not reach a stable weight following 3 cycles of heating, cooling, and desiccation. The cycle 3 weight was used to calculate the Total DIssolved Solids (TDS) for the sample result. SW-1 (180-164148-2), SW-1 (180-164148-3), SW-1 (180-164148-4) and SW-2 (180-164148-5)

Method 2540C_Calcd: The sample did not reach a stable weight following 3 cycles of heating, cooling, and desiccation. The cycle 3 weight was used to calculate the Total Dissolved Solids (TDS) for the sample result. SW-3 (180-164148-11), SW-5 (180-164148-17), SW-5 (180-164148-18), SW-9 (180-164148-24), SW-9 (180-164148-25) and SW-9 (180-164148-26)

Method 2540C_Calcd: The sample did not reach a stable weight following 3 cycles of heating, cooling, and desiccation. The cycle 3 weight was used to calculate the Total Dissolved Solids (TDS) for the sample result. SW-10 (180-164148-27), SW-10 (180-164148-28), SW-12 (180-164148-32), DUP-01 (180-164148-33), DUP-01 (180-164148-34), DUP-02 (180-164148-35) and DUP-02 (180-164148-36)

Method 2540C_Calcd: The sample did not reach a stable weight following 3 cycles of heating, cooling, and desiccation. The cycle 3 weight was used to calculate the Total Dissolved Solids (TDS) for the sample result.

Method 2540C_Calcd: The sample did not reach a stable weight following 3 cycles of heating, cooling, and desiccation. The cycle 3 weight was used to calculate the Total Dissolved Solids (TDS) for the sample result. SW-14 (180-164520-9), SW-15 (180-164520-12), SW-16 (180-164520-13), SW-16 (180-164520-14), SW-17 (180-164520-15) and EB-02 (180-164520-19)

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

Field Service / Mobile Lab

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

Definitions/Glossary

Client: Southern Company
Job ID: 180-164148-1
Project/Site: Plant Watson Ash Pond Surfacewater

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.

Glossary

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

Accreditation/Certification Summary

Client: Southern Company
Job ID: 180-164148-1
Project/Site: Plant Watson Ash Pond Surfacewater

Laboratory: Eurofins Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	19-033-0	06-27-24
California	State	2891	04-30-24
Connecticut	State	PH-0688	09-30-24
Florida	NELAP	E871008	06-30-24
Georgia	State	PA 02-00416	04-30-24
Illinois	NELAP	004375	06-30-24
Kansas	NELAP	E-10350	01-31-24
Kentucky (UST)	State	162013	04-30-23 *
Kentucky (WW)	State	KY98043	12-31-23
Louisiana	NELAP	04041	06-30-22 *
Louisiana (All)	NELAP	04041	06-30-24
Maine	State	PA00164	03-06-24
Minnesota	NELAP	042-999-482	12-31-23
New Hampshire	NELAP	2030	04-04-24
New Jersey	NELAP	PA005	06-30-24
New York	NELAP	11182	04-01-24
North Carolina (WW/SW)	State	434	12-31-23
North Dakota	State	R-227	04-30-24
Oregon	NELAP	PA-2151	02-06-24
Pennsylvania	NELAP	02-00416	04-30-24
Rhode Island	State	LAO00362	12-31-22 *
South Carolina	State	89014	04-30-23 *
Texas	NELAP	T104704528	03-31-24
US Fish & Wildlife	US Federal Programs	058448	03-31-24
USDA	US Federal Programs	P330-16-00211	04-11-26
Utah	NELAP	PA001462019-8	05-31-24
Virginia	NELAP	10043	07-14-24
West Virginia DEP	State	142	01-31-24
Wisconsin	State	998027800	08-31-24

Laboratory: Eurofins Savannah

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

Authority	Program	Identification Number	Expiration Date
	AFCEE	SAVLAB	
Alabama	State	41450	06-30-24
ANAB	Dept. of Defense ELAP	L2463	09-22-24
Arkansas DEQ	State	19-015-0	02-01-24
California	State	2939	06-30-24
Florida	NELAP	E87052	11-09-23
Georgia	State	E87052	06-30-24
Georgia (DW)	State	803	06-30-24
Guam	State	19-007R	04-17-24
Hawaii	State	<cert No.>	06-30-24
Illinois	NELAP	200022	11-30-23
Indiana	State	C-GA-02	06-30-24
Iowa	State	353	07-01-25
Kentucky (UST)	State	NA	06-30-24
Louisiana	NELAP	30690	06-30-24
Louisiana (All)	NELAP	30690	06-30-24

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

Accreditation/Certification Summary

Client: Southern Company
Job ID: 180-164148-1
Project/Site: Plant Watson Ash Pond Surfacewater

Laboratory: Eurofins Savannah (Continued)

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

Authority	Program	Identification Number	Expiration Date
Louisiana (DW)	State	LA009	12-31-23
Maine	State	GA00006	09-25-24
Maryland	State	250	12-31-23
Massachusetts	State	M-GA006	06-30-24
Michigan	State	9925	06-30-24
Mississippi	State	<cert No.>	06-30-24
Nebraska	State	NE-OS-7-04	06-30-24
New Jersey	NELAP	GA769	06-30-24
New Mexico	State	GA00006	06-30-24
North Carolina (DW)	State	13701	07-31-24
North Carolina (WW/SW)	State	269	12-31-23
Pennsylvania	NELAP	68-00474	06-30-24
Puerto Rico	State	GA00006	01-01-24
South Carolina	State	98001	06-30-24
Tennessee	State	TN02961	06-30-24
Texas	NELAP	T1047004185	11-30-23
Texas	TCEQ Water Supply	T104704185	06-30-24
USDA	US Federal Programs	P330-18-00313	09-03-24
Virginia	NELAP	460161	06-14-24
Wyoming	State	8TMS-L	06-30-24

Sample Summary

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

Job ID: 180-164148-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-164148-1	SW-1	Water	10/17/23 15:57	10/19/23 09:20
180-164148-2	SW-1	Water	10/17/23 16:10	10/19/23 09:20
180-164148-3	SW-1	Water	10/17/23 16:19	10/19/23 09:20
180-164148-4	SW-1	Water	10/17/23 16:31	10/19/23 09:20
180-164148-5	SW-2	Water	10/17/23 15:08	10/19/23 09:20
180-164148-6	SW-2	Water	10/17/23 15:20	10/19/23 09:20
180-164148-7	SW-2	Water	10/17/23 15:30	10/19/23 09:20
180-164148-8	SW-2	Water	10/17/23 15:41	10/19/23 09:20
180-164148-9	SW-3	Water	10/17/23 09:25	10/19/23 09:20
180-164148-10	SW-3	Water	10/17/23 09:39	10/19/23 09:20
180-164148-11	SW-3	Water	10/17/23 09:50	10/19/23 09:20
180-164148-12	SW-3	Water	10/17/23 10:03	10/19/23 09:20
180-164148-13	SW-4	Water	10/17/23 11:53	10/19/23 09:20
180-164148-14	SW-4	Water	10/17/23 12:22	10/19/23 09:20
180-164148-15	SW-5	Water	10/17/23 07:59	10/19/23 09:20
180-164148-16	SW-5	Water	10/17/23 08:33	10/19/23 09:20
180-164148-17	SW-5	Water	10/17/23 08:50	10/19/23 09:20
180-164148-18	SW-5	Water	10/17/23 09:02	10/19/23 09:20
180-164148-23	SW-9	Water	10/17/23 12:38	10/19/23 09:20
180-164148-24	SW-9	Water	10/17/23 12:51	10/19/23 09:20
180-164148-25	SW-9	Water	10/17/23 13:02	10/19/23 09:20
180-164148-26	SW-9	Water	10/17/23 13:22	10/19/23 09:20
180-164148-27	SW-10	Water	10/17/23 12:06	10/19/23 09:20
180-164148-28	SW-10	Water	10/17/23 12:20	10/19/23 09:20
180-164148-29	SW-11	Water	10/17/23 11:31	10/19/23 09:20
180-164148-31	SW-12	Water	10/17/23 10:39	10/19/23 09:20
180-164148-32	SW-12	Water	10/17/23 11:00	10/19/23 09:20
180-164148-33	DUP-01	Water	10/17/23 09:39	10/19/23 09:20
180-164148-34	DUP-01	Water	10/17/23 10:00	10/19/23 09:20
180-164148-35	DUP-02	Water	10/17/23 10:53	10/19/23 09:20
180-164148-36	DUP-02	Water	10/17/23 11:22	10/19/23 09:20
180-164148-37	EB-01	Water	10/17/23 08:15	10/19/23 09:20
180-164148-38	FB-01	Water	10/17/23 08:10	10/19/23 09:20
180-164520-1	SW-6	Water	10/25/23 16:25	10/27/23 09:10
180-164520-2	SW-6	Water	10/25/23 16:30	10/27/23 09:10
180-164520-3	SW-6	Water	10/25/23 17:01	10/27/23 09:10
180-164520-4	SW-6	Water	10/25/23 17:20	10/27/23 09:10
180-164520-5	SW-11	Water	10/25/23 15:13	10/27/23 09:10
180-164520-6	SW-11	Water	10/25/23 15:30	10/27/23 09:10
180-164520-7	SW-13	Water	10/25/23 14:37	10/27/23 09:10
180-164520-8	SW-13	Water	10/25/23 14:50	10/27/23 09:10
180-164520-9	SW-14	Water	10/25/23 13:16	10/27/23 09:10
180-164520-10	SW-14	Water	10/25/23 13:35	10/27/23 09:10
180-164520-11	SW-15	Water	10/25/23 13:56	10/27/23 09:10
180-164520-12	SW-15	Water	10/25/23 14:08	10/27/23 09:10
180-164520-13	SW-16	Water	10/25/23 12:11	10/27/23 09:10
180-164520-14	SW-16	Water	10/25/23 12:30	10/27/23 09:10
180-164520-15	SW-17	Water	10/25/23 11:27	10/27/23 09:10
180-164520-16	SW-17	Water	10/25/23 11:46	10/27/23 09:10
180-164520-17	DUP-03	Water	10/25/23 11:11	10/27/23 09:10
180-164520-18	DUP-03	Water	10/25/23 11:37	10/27/23 09:10
180-164520-19	EB-02	Water	10/25/23 10:23	10/27/23 09:10
180-164520-20	FB-02	Water	10/25/23 10:16	10/27/23 09:10

Method Summary

Client: Southern Company
Job ID: 180-164148-1
Project/Site: Plant Watson Ash Pond Surfacewater

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	EPA	EET PIT
EPA 300.0 R2.1	Anions, Ion Chromatography	EPA	EET PIT
6020B	Metals (ICP/MS)	SW846	EET SAV
7470A	Mercury (CVAA)	SW846	EET SAV
EPA 7470A	Mercury (CVAA)	SW846	EET PIT
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PIT
Field Sampling	Field Sampling	EPA	EET PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV
7470A	Preparation, Mercury	SW846	EET PIT
7470A	Preparation, Mercury	SW846	EET SAV

Protocol References:

EPA = US Environmental Protection Agency

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

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

Laboratory References:

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

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

Lab Chronicle

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

Job ID: 180-164148-1

Client Sample ID: SW-1
Date Collected: 10/17/23 15:57
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2.5	1 mL	1 mL	449836	10/21/23 19:12	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	300.0		25	1 mL	1 mL	449836	10/21/23 19:27	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	125 mL	804424	10/25/23 07:35	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804759	10/25/23 20:13	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			50 mL	50 mL	805086	10/27/23 15:12	DW	EET SAV
Total/NA	Analysis	7470A		1			805414	10/30/23 12:05	DW	EET SAV
	Instrument ID: QuickTrace2									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	450221	10/25/23 14:54	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			451761	10/17/23 15:57	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-1
Date Collected: 10/17/23 16:10
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		2.5	1 mL	1 mL	449836	10/21/23 21:10	M1D	EET PIT
	Instrument ID: CHIC2100A									
Dissolved	Analysis	EPA 300.0 R2.1		25	1 mL	1 mL	449836	10/21/23 21:25	M1D	EET PIT
	Instrument ID: CHIC2100A									
Dissolved	Prep	3005A			25 mL	125 mL	804425	10/25/23 07:40	RR	EET SAV
Dissolved	Analysis	6020B		1			804717	10/26/23 03:11	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	7470A			50 mL	50 mL	805067	10/27/23 14:39	DW	EET SAV
Dissolved	Analysis	7470A		1			805414	10/30/23 11:17	DW	EET SAV
	Instrument ID: QuickTrace2									
Dissolved	Analysis	SM 2540C		1	5 mL	100 mL	449825	10/20/23 21:08	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-1
Date Collected: 10/17/23 16:19
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2.5	1 mL	1 mL	449836	10/21/23 21:40	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	300.0		25	1 mL	1 mL	449836	10/21/23 21:55	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	125 mL	804424	10/25/23 07:35	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804759	10/25/23 20:21	BWR	EET SAV
	Instrument ID: ICPMSC									

Lab Chronicle

Client: Southern Company
Job ID: 180-164148-1
Project/Site: Plant Watson Ash Pond Surfacewater

Client Sample ID: SW-1
Lab Sample ID: 180-164148-3
Date Collected: 10/17/23 16:19
Matrix: Water
Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	805086	10/27/23 15:12	DW	EET SAV
Total/NA	Analysis	7470A		1			805414	10/30/23 12:07	DW	EET SAV
	Instrument ID: QuickTrace2									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	449825	10/20/23 21:08	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			451761	10/17/23 16:19	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-1
Lab Sample ID: 180-164148-4
Date Collected: 10/17/23 16:31
Matrix: Water
Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		2.5	1 mL	1 mL	449836	10/21/23 22:09	M1D	EET PIT
	Instrument ID: CHIC2100A									
Dissolved	Analysis	EPA 300.0 R2.1		25	1 mL	1 mL	449836	10/21/23 22:24	M1D	EET PIT
	Instrument ID: CHIC2100A									
Dissolved	Prep	3005A			25 mL	125 mL	804425	10/25/23 07:40	RR	EET SAV
Dissolved	Analysis	6020B		1			804717	10/26/23 02:02	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	7470A			50 mL	50 mL	805067	10/27/23 14:39	DW	EET SAV
Dissolved	Analysis	7470A		1			805414	10/30/23 11:20	DW	EET SAV
	Instrument ID: QuickTrace2									
Dissolved	Analysis	SM 2540C		1	5 mL	100 mL	449825	10/20/23 21:08	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-2
Lab Sample ID: 180-164148-5
Date Collected: 10/17/23 15:08
Matrix: Water
Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2.5	1 mL	1 mL	449836	10/21/23 23:08	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	300.0		25	1 mL	1 mL	449836	10/21/23 23:23	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	125 mL	804424	10/25/23 07:35	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804759	10/25/23 20:25	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			50 mL	50 mL	805086	10/27/23 15:12	DW	EET SAV
Total/NA	Analysis	7470A		1			805414	10/30/23 12:09	DW	EET SAV
	Instrument ID: QuickTrace2									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	449825	10/20/23 21:08	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			451761	10/17/23 15:08	FDS	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Job ID: 180-164148-1
Project/Site: Plant Watson Ash Pond Surfacewater

Client Sample ID: SW-2
Lab Sample ID: 180-164148-6
Date Collected: 10/17/23 15:20
Matrix: Water
Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		2.5	1 mL	1 mL	449836	10/21/23 23:38	M1D	EET PIT
	Instrument ID: CHIC2100A									
Dissolved	Analysis	EPA 300.0 R2.1		25	1 mL	1 mL	449836	10/21/23 23:53	M1D	EET PIT
	Instrument ID: CHIC2100A									
Dissolved	Prep	3005A			25 mL	125 mL	804425	10/25/23 07:40	RR	EET SAV
Dissolved	Analysis	6020B		1			804717	10/26/23 02:55	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	3005A			25 mL	125 mL	804425	10/25/23 07:40	RR	EET SAV
Dissolved	Analysis	6020B		1			805227	10/27/23 17:14	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	7470A			50 mL	50 mL	805067	10/27/23 14:39	DW	EET SAV
Dissolved	Analysis	7470A		1			805414	10/30/23 11:22	DW	EET SAV
	Instrument ID: QuickTrace2									
Dissolved	Analysis	SM 2540C		1	5 mL	100 mL	449825	10/20/23 21:08	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-2
Lab Sample ID: 180-164148-7
Date Collected: 10/17/23 15:30
Matrix: Water
Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2.5	1 mL	1 mL	449836	10/22/23 00:08	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	300.0		25	1 mL	1 mL	449836	10/22/23 00:22	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	125 mL	804424	10/25/23 07:35	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804759	10/25/23 20:29	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			50 mL	50 mL	805086	10/27/23 15:12	DW	EET SAV
Total/NA	Analysis	7470A		1			805414	10/30/23 12:11	DW	EET SAV
	Instrument ID: QuickTrace2									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	449976	10/23/23 18:09	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			451761	10/17/23 15:30	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-2
Lab Sample ID: 180-164148-8
Date Collected: 10/17/23 15:41
Matrix: Water
Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		2.5	1 mL	1 mL	449836	10/22/23 00:37	M1D	EET PIT
	Instrument ID: CHIC2100A									
Dissolved	Analysis	EPA 300.0 R2.1		25	1 mL	1 mL	449836	10/22/23 00:51	M1D	EET PIT
	Instrument ID: CHIC2100A									

Lab Chronicle

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

Job ID: 180-164148-1

Client Sample ID: SW-2

Date Collected: 10/17/23 15:41
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			25 mL	125 mL	804425	10/25/23 07:40	RR	EET SAV
Dissolved	Analysis	6020B		1			804717	10/26/23 02:06	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	7470A			50 mL	50 mL	805067	10/27/23 14:39	DW	EET SAV
Dissolved	Analysis	7470A		1			805414	10/30/23 11:24	DW	EET SAV
	Instrument ID: QuickTrace2									
Dissolved	Analysis	SM 2540C		1	5 mL	100 mL	449976	10/23/23 18:09	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-3

Date Collected: 10/17/23 09:25
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2.5	1 mL	1 mL	449836	10/22/23 01:05	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	300.0		25	1 mL	1 mL	449836	10/22/23 01:19	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	125 mL	804424	10/25/23 07:35	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804759	10/25/23 20:41	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			50 mL	50 mL	805086	10/27/23 15:12	DW	EET SAV
Total/NA	Analysis	7470A		1			805414	10/30/23 12:13	DW	EET SAV
	Instrument ID: QuickTrace2									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	449976	10/23/23 18:09	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			451761	10/17/23 09:25	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-3

Date Collected: 10/17/23 09:39
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		2.5	1 mL	1 mL	450035	10/24/23 22:50	M1D	EET PIT
	Instrument ID: CHIC2100A									
Dissolved	Analysis	EPA 300.0 R2.1		25	1 mL	1 mL	450035	10/24/23 23:04	M1D	EET PIT
	Instrument ID: CHIC2100A									
Dissolved	Prep	3005A			25 mL	125 mL	804425	10/25/23 07:40	RR	EET SAV
Dissolved	Analysis	6020B		1			804717	10/26/23 02:27	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	7470A			50 mL	50 mL	805067	10/27/23 14:39	DW	EET SAV
Dissolved	Analysis	7470A		1			805414	10/30/23 11:26	DW	EET SAV
	Instrument ID: QuickTrace2									

Lab Chronicle

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

Job ID: 180-164148-1

Client Sample ID: SW-3
Date Collected: 10/17/23 09:39
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	SM 2540C		1	5 mL	100 mL	449976	10/23/23 18:09	LWM	EET PIT

Client Sample ID: SW-3
Date Collected: 10/17/23 09:50
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2.5	1 mL	1 mL	449837	10/21/23 14:57	M1D	EET PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	300.0		25	1 mL	1 mL	449837	10/21/23 15:12	M1D	EET PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	125 mL	804424	10/25/23 07:35	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804759	10/25/23 20:45	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			50 mL	50 mL	805086	10/27/23 15:12	DW	EET SAV
Total/NA	Analysis	7470A		1			805414	10/30/23 12:15	DW	EET SAV
	Instrument ID: QuickTrace2									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	449976	10/23/23 18:09	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			451761	10/17/23 09:50	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-3
Date Collected: 10/17/23 10:03
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		2.5	1 mL	1 mL	449837	10/21/23 15:27	M1D	EET PIT
	Instrument ID: CHICS2100B									
Dissolved	Analysis	EPA 300.0 R2.1		25	1 mL	1 mL	449837	10/21/23 15:41	M1D	EET PIT
	Instrument ID: CHICS2100B									
Dissolved	Prep	3005A			25 mL	125 mL	804425	10/25/23 07:40	RR	EET SAV
Dissolved	Analysis	6020B		1			804717	10/26/23 02:35	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	3005A			25 mL	125 mL	804425	10/25/23 07:40	RR	EET SAV
Dissolved	Analysis	6020B		1			805227	10/27/23 15:28	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	7470A			50 mL	50 mL	805067	10/27/23 14:39	DW	EET SAV
Dissolved	Analysis	7470A		1			805414	10/30/23 11:28	DW	EET SAV
	Instrument ID: QuickTrace2									
Dissolved	Analysis	SM 2540C		1	5 mL	100 mL	449976	10/23/23 18:09	LWM	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Job ID: 180-164148-1
Project/Site: Plant Watson Ash Pond Surfacewater

Client Sample ID: SW-4
Lab Sample ID: 180-164148-13
Date Collected: 10/17/23 11:53
Matrix: Water
Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2.5	1 mL	1 mL	449837	10/21/23 16:26	M1D	EET PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	300.0		25	1 mL	1 mL	449837	10/21/23 16:41	M1D	EET PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	125 mL	804424	10/25/23 07:35	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804759	10/25/23 20:49	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			50 mL	50 mL	805086	10/27/23 15:12	DW	EET SAV
Total/NA	Analysis	7470A		1			805414	10/30/23 12:17	DW	EET SAV
	Instrument ID: QuickTrace2									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	449976	10/23/23 18:09	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			451761	10/17/23 11:53	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-4
Lab Sample ID: 180-164148-14
Date Collected: 10/17/23 12:22
Matrix: Water
Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		2.5	1 mL	1 mL	449837	10/21/23 16:56	M1D	EET PIT
	Instrument ID: CHICS2100B									
Dissolved	Analysis	EPA 300.0 R2.1		25	1 mL	1 mL	449837	10/21/23 17:10	M1D	EET PIT
	Instrument ID: CHICS2100B									
Dissolved	Prep	3005A			25 mL	125 mL	804425	10/25/23 07:40	RR	EET SAV
Dissolved	Analysis	6020B		1			804717	10/26/23 02:39	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	7470A			50 mL	50 mL	805067	10/27/23 14:39	DW	EET SAV
Dissolved	Analysis	7470A		1			805414	10/30/23 11:30	DW	EET SAV
	Instrument ID: QuickTrace2									
Dissolved	Analysis	SM 2540C		1	5 mL	100 mL	449976	10/23/23 18:09	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-5
Lab Sample ID: 180-164148-15
Date Collected: 10/17/23 07:59
Matrix: Water
Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2.5	1 mL	1 mL	449837	10/21/23 17:25	M1D	EET PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	300.0		25	1 mL	1 mL	449837	10/21/23 17:40	M1D	EET PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	125 mL	804424	10/25/23 07:35	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804759	10/25/23 20:53	BWR	EET SAV
	Instrument ID: ICPMSC									

Client Sample ID: SW-5

Lab Sample ID: 180-164148-15

Date Collected: 10/17/23 07:59

Matrix: Water

Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	805086	10/27/23 15:12	DW	EET SAV
Total/NA	Analysis	7470A		1			805414	10/30/23 12:19	DW	EET SAV
	Instrument ID: QuickTrace2									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	449976	10/23/23 18:09	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			451761	10/17/23 07:59	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-5

Lab Sample ID: 180-164148-16

Date Collected: 10/17/23 08:33

Matrix: Water

Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		2.5	1 mL	1 mL	449837	10/21/23 17:55	M1D	EET PIT
	Instrument ID: CHICS2100B									
Dissolved	Analysis	EPA 300.0 R2.1		25	1 mL	1 mL	449837	10/21/23 18:09	M1D	EET PIT
	Instrument ID: CHICS2100B									
Dissolved	Prep	3005A			25 mL	125 mL	804425	10/25/23 07:40	RR	EET SAV
Dissolved	Analysis	6020B		1			804717	10/26/23 02:23	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	7470A			50 mL	50 mL	805067	10/27/23 14:39	DW	EET SAV
Dissolved	Analysis	7470A		1			805414	10/30/23 11:32	DW	EET SAV
	Instrument ID: QuickTrace2									
Dissolved	Analysis	SM 2540C		1	5 mL	100 mL	449976	10/23/23 18:09	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-5

Lab Sample ID: 180-164148-17

Date Collected: 10/17/23 08:50

Matrix: Water

Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2.5	1 mL	1 mL	449837	10/21/23 18:24	M1D	EET PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	300.0		25	1 mL	1 mL	449837	10/21/23 18:39	M1D	EET PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	125 mL	804424	10/25/23 07:35	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804759	10/25/23 20:17	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			50 mL	50 mL	805086	10/27/23 15:12	DW	EET SAV
Total/NA	Analysis	7470A		1			805414	10/30/23 12:21	DW	EET SAV
	Instrument ID: QuickTrace2									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	449976	10/23/23 18:09	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			451761	10/17/23 08:50	FDS	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Job ID: 180-164148-1
Project/Site: Plant Watson Ash Pond Surfacewater

Client Sample ID: SW-5
Lab Sample ID: 180-164148-18
Date Collected: 10/17/23 09:02
Matrix: Water
Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		2.5	1 mL	1 mL	449837	10/21/23 19:23	M1D	EET PIT
	Instrument ID: CHICS2100B									
Dissolved	Analysis	EPA 300.0 R2.1		25	1 mL	1 mL	449837	10/21/23 19:38	M1D	EET PIT
	Instrument ID: CHICS2100B									
Dissolved	Prep	3005A			25 mL	125 mL	804425	10/25/23 07:40	RR	EET SAV
Dissolved	Analysis	6020B		1			804717	10/26/23 03:07	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	3005A			25 mL	125 mL	804425	10/25/23 07:40	RR	EET SAV
Dissolved	Analysis	6020B		1			805227	10/27/23 16:46	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	7470A			50 mL	50 mL	805067	10/27/23 14:39	DW	EET SAV
Dissolved	Analysis	7470A		1			805414	10/30/23 11:38	DW	EET SAV
	Instrument ID: QuickTrace2									
Dissolved	Analysis	SM 2540C		1	5 mL	100 mL	449976	10/23/23 18:09	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-9
Lab Sample ID: 180-164148-23
Date Collected: 10/17/23 12:38
Matrix: Water
Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2.5	1 mL	1 mL	450167	10/25/23 19:14	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	300.0		25	1 mL	1 mL	450167	10/25/23 19:29	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	125 mL	804424	10/25/23 07:35	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804759	10/25/23 20:05	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			50 mL	50 mL	805086	10/27/23 15:12	DW	EET SAV
Total/NA	Analysis	7470A		1			805414	10/30/23 12:27	DW	EET SAV
	Instrument ID: QuickTrace2									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	449976	10/23/23 18:09	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			451761	10/17/23 12:38	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-9
Lab Sample ID: 180-164148-24
Date Collected: 10/17/23 12:51
Matrix: Water
Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		2.5	1 mL	1 mL	450167	10/25/23 19:43	M1D	EET PIT
	Instrument ID: CHIC2100A									
Dissolved	Analysis	EPA 300.0 R2.1		25	1 mL	1 mL	450167	10/25/23 19:58	M1D	EET PIT
	Instrument ID: CHIC2100A									

Lab Chronicle

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

Job ID: 180-164148-1

Client Sample ID: SW-9
Date Collected: 10/17/23 12:51
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-24
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			25 mL	125 mL	804425	10/25/23 07:40	RR	EET SAV
Dissolved	Analysis	6020B		1			804717	10/26/23 02:47	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	7470A			50 mL	50 mL	805067	10/27/23 14:39	DW	EET SAV
Dissolved	Analysis	7470A		1			805414	10/30/23 11:40	DW	EET SAV
	Instrument ID: QuickTrace2									
Dissolved	Analysis	SM 2540C		1	5 mL	100 mL	449976	10/23/23 18:09	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-9
Date Collected: 10/17/23 13:02
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-25
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2.5	1 mL	1 mL	450167	10/25/23 20:13	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	300.0		25	1 mL	1 mL	450167	10/25/23 20:28	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	125 mL	804424	10/25/23 07:35	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804759	10/25/23 20:09	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			50 mL	50 mL	805086	10/27/23 15:12	DW	EET SAV
Total/NA	Analysis	7470A		1			805414	10/30/23 12:29	DW	EET SAV
	Instrument ID: QuickTrace2									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	449976	10/23/23 18:09	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			451761	10/17/23 13:02	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-9
Date Collected: 10/17/23 13:22
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-26
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		2.5	1 mL	1 mL	450167	10/25/23 20:43	M1D	EET PIT
	Instrument ID: CHIC2100A									
Dissolved	Analysis	EPA 300.0 R2.1		25	1 mL	1 mL	450167	10/25/23 20:57	M1D	EET PIT
	Instrument ID: CHIC2100A									
Dissolved	Prep	3005A			25 mL	125 mL	804425	10/25/23 07:40	RR	EET SAV
Dissolved	Analysis	6020B		1			804717	10/26/23 02:51	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	7470A			50 mL	50 mL	805067	10/27/23 14:39	DW	EET SAV
Dissolved	Analysis	7470A		1			805414	10/30/23 11:42	DW	EET SAV
	Instrument ID: QuickTrace2									

Client Sample ID: SW-9

Lab Sample ID: 180-164148-26

Date Collected: 10/17/23 13:22

Matrix: Water

Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	SM 2540C		1	5 mL	100 mL	449976	10/23/23 18:09	LWM	EET PIT

Client Sample ID: SW-10

Lab Sample ID: 180-164148-27

Date Collected: 10/17/23 12:06

Matrix: Water

Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2.5	1 mL	1 mL	450167	10/25/23 21:12	M1D	EET PIT
	Instrument ID:	CHIC2100A								
Total/NA	Analysis	300.0		25	1 mL	1 mL	450167	10/25/23 21:27	M1D	EET PIT
	Instrument ID:	CHIC2100A								
Total Recoverable	Prep	3005A			25 mL	125 mL	804530	10/25/23 06:48	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804717	10/26/23 04:12	BWR	EET SAV
	Instrument ID:	ICPMSC								
Total/NA	Prep	7470A			50 mL	50 mL	805086	10/27/23 15:12	DW	EET SAV
Total/NA	Analysis	7470A		1			805414	10/30/23 12:31	DW	EET SAV
	Instrument ID:	QuickTrace2								
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	450082	10/24/23 14:07	LWM	EET PIT
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	Field Sampling		1			451761	10/17/23 12:06	FDS	EET PIT
	Instrument ID:	NOEQUIP								

Client Sample ID: SW-10

Lab Sample ID: 180-164148-28

Date Collected: 10/17/23 12:20

Matrix: Water

Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		2.5	1 mL	1 mL	450167	10/25/23 22:11	M1D	EET PIT
	Instrument ID:	CHIC2100A								
Dissolved	Analysis	EPA 300.0 R2.1		25	1 mL	1 mL	450167	10/25/23 22:26	M1D	EET PIT
	Instrument ID:	CHIC2100A								
Dissolved	Prep	3005A			25 mL	125 mL	804425	10/25/23 07:40	RR	EET SAV
Dissolved	Analysis	6020B		1			804717	10/26/23 02:31	BWR	EET SAV
	Instrument ID:	ICPMSC								
Dissolved	Prep	7470A			50 mL	50 mL	805067	10/27/23 14:39	DW	EET SAV
Dissolved	Analysis	7470A		1			805414	10/30/23 11:44	DW	EET SAV
	Instrument ID:	QuickTrace2								
Dissolved	Analysis	SM 2540C		1	5 mL	100 mL	450082	10/24/23 14:07	LWM	EET PIT
	Instrument ID:	NOEQUIP								

Lab Chronicle

Client: Southern Company
Job ID: 180-164148-1
Project/Site: Plant Watson Ash Pond Surfacewater

Client Sample ID: SW-11
Lab Sample ID: 180-164148-29
Date Collected: 10/17/23 11:31
Matrix: Water
Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2.5	1 mL	1 mL	450167	10/25/23 22:41	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	300.0		25	1 mL	1 mL	450167	10/25/23 22:56	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	125 mL	804530	10/25/23 06:48	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804717	10/26/23 04:29	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	804530	10/25/23 06:48	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804906	10/26/23 15:15	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			50 mL	50 mL	805086	10/27/23 15:12	DW	EET SAV
Total/NA	Analysis	7470A		1			805414	10/30/23 12:33	DW	EET SAV
	Instrument ID: QuickTrace2									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	450082	10/24/23 14:07	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-12
Lab Sample ID: 180-164148-31
Date Collected: 10/17/23 10:39
Matrix: Water
Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2.5	1 mL	1 mL	450167	10/26/23 09:38	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	300.0		25	1 mL	1 mL	450167	10/26/23 09:52	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	300.0		25	1 mL	1 mL	450294	10/26/23 22:38	M1D	EET PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	125 mL	804530	10/25/23 06:48	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804717	10/26/23 04:25	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			50 mL	50 mL	805086	10/27/23 15:12	DW	EET SAV
Total/NA	Analysis	7470A		1			805414	10/30/23 12:36	DW	EET SAV
	Instrument ID: QuickTrace2									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	450082	10/24/23 14:07	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-12
Lab Sample ID: 180-164148-32
Date Collected: 10/17/23 11:00
Matrix: Water
Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		2.5	1 mL	1 mL	450167	10/26/23 12:36	M1D	EET PIT
	Instrument ID: CHIC2100A									
Dissolved	Analysis	EPA 300.0 R2.1		25	1 mL	1 mL	450167	10/26/23 13:05	M1D	EET PIT
	Instrument ID: CHIC2100A									

Client Sample ID: SW-12

Lab Sample ID: 180-164148-32
Matrix: Water
Date Collected: 10/17/23 11:00
Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		2.5	1 mL	1 mL	450294	10/27/23 01:35	M1D	EET PIT
Dissolved	Prep	3005A			25 mL	125 mL	804425	10/25/23 07:40	RR	EET SAV
Dissolved	Analysis	6020B		1			804717	10/26/23 02:43	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	7470A			50 mL	50 mL	805067	10/27/23 14:39	DW	EET SAV
Dissolved	Analysis	7470A		1			805414	10/30/23 11:46	DW	EET SAV
	Instrument ID: QuickTrace2									
Dissolved	Analysis	SM 2540C		1	5 mL	100 mL	450082	10/24/23 14:07	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-01

Lab Sample ID: 180-164148-33
Matrix: Water
Date Collected: 10/17/23 09:39
Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2.5	1 mL	1 mL	450167	10/26/23 11:37	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	300.0		25	1 mL	1 mL	450167	10/26/23 11:52	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	300.0		2.5	1 mL	1 mL	450294	10/27/23 01:21	M1D	EET PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	125 mL	804530	10/25/23 06:48	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804717	10/26/23 04:37	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	804530	10/25/23 06:48	RR	EET SAV
Total Recoverable	Analysis	6020B		1			805230	10/27/23 14:43	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			50 mL	50 mL	805086	10/27/23 15:12	DW	EET SAV
Total/NA	Analysis	7470A		1			805414	10/30/23 12:38	DW	EET SAV
	Instrument ID: QuickTrace2									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	450082	10/24/23 14:07	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-01

Lab Sample ID: 180-164148-34
Matrix: Water
Date Collected: 10/17/23 10:00
Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		2.5	1 mL	1 mL	450167	10/26/23 11:05	M1D	EET PIT
	Instrument ID: CHIC2100A									
Dissolved	Analysis	EPA 300.0 R2.1		25	1 mL	1 mL	450167	10/26/23 11:22	M1D	EET PIT
	Instrument ID: CHIC2100A									
Dissolved	Analysis	EPA 300.0 R2.1		2.5	1 mL	1 mL	450294	10/27/23 01:06	M1D	EET PIT
	Instrument ID: CHICS2100B									

Lab Chronicle

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

Job ID: 180-164148-1

Client Sample ID: DUP-01

Lab Sample ID: 180-164148-34

Date Collected: 10/17/23 10:00

Matrix: Water

Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			25 mL	125 mL	804425	10/25/23 07:40	RR	EET SAV
Dissolved	Analysis	6020B		1			804717	10/26/23 01:58	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	7470A			50 mL	50 mL	805067	10/27/23 14:39	DW	EET SAV
Dissolved	Analysis	7470A		1			805414	10/30/23 11:48	DW	EET SAV
	Instrument ID: QuickTrace2									
Dissolved	Analysis	SM 2540C		1	5 mL	100 mL	450082	10/24/23 14:07	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-02

Lab Sample ID: 180-164148-35

Date Collected: 10/17/23 10:53

Matrix: Water

Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2.5	1 mL	1 mL	450167	10/26/23 10:36	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	300.0		25	1 mL	1 mL	450167	10/26/23 10:51	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	300.0		2.5	1 mL	1 mL	450294	10/26/23 23:08	M1D	EET PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	125 mL	804530	10/25/23 06:48	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804717	10/26/23 04:33	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	804530	10/25/23 06:48	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804906	10/26/23 15:19	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			50 mL	50 mL	805086	10/27/23 15:12	DW	EET SAV
Total/NA	Analysis	7470A		1			805414	10/30/23 12:40	DW	EET SAV
	Instrument ID: QuickTrace2									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	450082	10/24/23 14:07	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-02

Lab Sample ID: 180-164148-36

Date Collected: 10/17/23 11:22

Matrix: Water

Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		2.5	1 mL	1 mL	450167	10/26/23 10:06	M1D	EET PIT
	Instrument ID: CHIC2100A									
Dissolved	Analysis	EPA 300.0 R2.1		25	1 mL	1 mL	450167	10/26/23 10:21	M1D	EET PIT
	Instrument ID: CHIC2100A									
Dissolved	Analysis	EPA 300.0 R2.1		2.5	1 mL	1 mL	450294	10/26/23 22:53	M1D	EET PIT
	Instrument ID: CHICS2100B									

Lab Chronicle

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

Job ID: 180-164148-1

Client Sample ID: DUP-02

Date Collected: 10/17/23 11:22
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-36

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			25 mL	125 mL	804425	10/25/23 07:40	RR	EET SAV
Dissolved	Analysis	6020B		1			804717	10/26/23 02:19	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	7470A			50 mL	50 mL	805067	10/27/23 14:39	DW	EET SAV
Dissolved	Analysis	7470A		1			805414	10/30/23 11:54	DW	EET SAV
	Instrument ID: QuickTrace2									
Dissolved	Analysis	SM 2540C		1	5 mL	100 mL	450082	10/24/23 14:07	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: EB-01

Date Collected: 10/17/23 08:15
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-37

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	450035	10/25/23 01:55	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	125 mL	804419	10/25/23 06:36	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804717	10/25/23 22:23	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	804419	10/25/23 06:36	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804906	10/26/23 14:54	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			50 mL	50 mL	805086	10/27/23 15:12	DW	EET SAV
Total/NA	Analysis	7470A		1			805414	10/30/23 12:44	DW	EET SAV
	Instrument ID: QuickTrace2									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	450082	10/24/23 14:07	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: FB-01

Date Collected: 10/17/23 08:10
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-38

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	450035	10/25/23 02:50	M1D	EET PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	125 mL	804419	10/25/23 06:36	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804717	10/25/23 22:27	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	804419	10/25/23 06:36	RR	EET SAV
Total Recoverable	Analysis	6020B		1			804906	10/26/23 14:58	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			50 mL	50 mL	805086	10/27/23 15:12	DW	EET SAV
Total/NA	Analysis	7470A		1			805414	10/30/23 12:42	DW	EET SAV
	Instrument ID: QuickTrace2									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	450082	10/24/23 14:07	LWM	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Job ID: 180-164148-1
Project/Site: Plant Watson Ash Pond Surfacewater

Client Sample ID: SW-6
Lab Sample ID: 180-164520-1
Date Collected: 10/25/23 16:25
Matrix: Water
Date Received: 10/27/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2.5	1 mL	1 mL	450452	10/28/23 20:30	AM	EET PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	300.0		25	1 mL	1 mL	450452	10/28/23 20:44	AM	EET PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	125 mL	805666	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		2			806097	11/02/23 11:31	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	805666	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			806015	11/02/23 02:10	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			25 mL	25 mL	450631	10/31/23 13:05	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450760	11/01/23 13:18	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	450663	10/31/23 15:58	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			451766	10/25/23 16:25	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-6
Lab Sample ID: 180-164520-2
Date Collected: 10/25/23 16:30
Matrix: Water
Date Received: 10/27/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		2.5	1 mL	1 mL	450452	10/28/23 22:43	AM	EET PIT
	Instrument ID: CHICS2100B									
Dissolved	Analysis	EPA 300.0 R2.1		25	1 mL	1 mL	450452	10/28/23 22:57	AM	EET PIT
	Instrument ID: CHICS2100B									
Dissolved	Prep	3005A			25 mL	125 mL	805672	11/01/23 06:53	RR	EET SAV
Dissolved	Analysis	6020B		4			806228	11/02/23 13:52	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	3005A			25 mL	125 mL	805672	11/01/23 06:53	RR	EET SAV
Dissolved	Analysis	6020B		1			806015	11/01/23 16:23	BWR	EET SAV
	Instrument ID: ICPMSD									
Dissolved	Prep	7470A			25 mL	25 mL	450631	10/31/23 13:05	MTW	EET PIT
Dissolved	Analysis	EPA 7470A		1			450760	11/01/23 13:21	MTW	EET PIT
	Instrument ID: HGZ									
Dissolved	Analysis	SM 2540C		1	5 mL	100 mL	450663	10/31/23 15:58	LWM	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Job ID: 180-164148-1
Project/Site: Plant Watson Ash Pond Surfacewater

Client Sample ID: SW-6
Lab Sample ID: 180-164520-3
Date Collected: 10/25/23 17:01
Matrix: Water
Date Received: 10/27/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2.5	1 mL	1 mL	450452	10/28/23 23:12	AM	EET PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	300.0		25	1 mL	1 mL	450452	10/28/23 23:27	AM	EET PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	125 mL	805667	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		2			806228	11/02/23 15:18	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	805667	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			806015	11/01/23 20:19	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			25 mL	25 mL	450631	10/31/23 13:05	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450760	11/01/23 13:23	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	450663	10/31/23 15:58	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			451766	10/25/23 17:01	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-6
Lab Sample ID: 180-164520-4
Date Collected: 10/25/23 17:20
Matrix: Water
Date Received: 10/27/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		2.5	1 mL	1 mL	450452	10/28/23 23:42	AM	EET PIT
	Instrument ID: CHICS2100B									
Dissolved	Analysis	EPA 300.0 R2.1		25	1 mL	1 mL	450452	10/28/23 23:56	AM	EET PIT
	Instrument ID: CHICS2100B									
Dissolved	Prep	3005A			25 mL	125 mL	805672	11/01/23 06:53	RR	EET SAV
Dissolved	Analysis	6020B		4			806228	11/02/23 13:04	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	3005A			25 mL	125 mL	805672	11/01/23 06:53	RR	EET SAV
Dissolved	Analysis	6020B		1			806015	11/01/23 15:44	BWR	EET SAV
	Instrument ID: ICPMSD									
Dissolved	Prep	7470A			25 mL	25 mL	450631	10/31/23 13:05	MTW	EET PIT
Dissolved	Analysis	EPA 7470A		1			450760	11/01/23 13:24	MTW	EET PIT
	Instrument ID: HGZ									
Dissolved	Analysis	SM 2540C		1	5 mL	100 mL	450663	10/31/23 15:58	LWM	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-164148-1

Client Sample ID: SW-11

Date Collected: 10/25/23 15:13
Date Received: 10/27/23 09:10

Lab Sample ID: 180-164520-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2.5	1 mL	1 mL	450452	10/29/23 00:41	AM	EET PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	300.0		25	1 mL	1 mL	450452	10/29/23 00:56	AM	EET PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	125 mL	805667	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		2			806228	11/02/23 15:22	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	805667	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			806015	11/01/23 20:22	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			25 mL	25 mL	450631	10/31/23 13:05	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450760	11/01/23 13:25	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	450663	10/31/23 15:58	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			451766	10/25/23 15:13	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-11

Date Collected: 10/25/23 15:30
Date Received: 10/27/23 09:10

Lab Sample ID: 180-164520-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		2.5	1 mL	1 mL	450452	10/29/23 01:10	AM	EET PIT
	Instrument ID: CHICS2100B									
Dissolved	Analysis	EPA 300.0 R2.1		25	1 mL	1 mL	450452	10/29/23 01:25	AM	EET PIT
	Instrument ID: CHICS2100B									
Dissolved	Prep	3005A			25 mL	125 mL	805672	11/01/23 06:53	RR	EET SAV
Dissolved	Analysis	6020B		4			806228	11/02/23 13:16	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	3005A			25 mL	125 mL	805672	11/01/23 06:53	RR	EET SAV
Dissolved	Analysis	6020B		1			806015	11/01/23 15:53	BWR	EET SAV
	Instrument ID: ICPMSD									
Dissolved	Prep	7470A			25 mL	25 mL	450631	10/31/23 13:05	MTW	EET PIT
Dissolved	Analysis	EPA 7470A		1			450760	11/01/23 13:26	MTW	EET PIT
	Instrument ID: HGZ									
Dissolved	Analysis	SM 2540C		1	5 mL	100 mL	450663	10/31/23 15:58	LWM	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-164148-1

Client Sample ID: SW-13

Date Collected: 10/25/23 14:37
Date Received: 10/27/23 09:10

Lab Sample ID: 180-164520-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2.5	1 mL	1 mL	450452	10/29/23 01:40	AM	EET PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	300.0		25	1 mL	1 mL	450452	10/29/23 01:55	AM	EET PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	125 mL	805667	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		2			806228	11/02/23 15:31	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	805667	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			806015	11/01/23 20:28	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			25 mL	25 mL	450631	10/31/23 13:05	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450760	11/01/23 13:30	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	450663	10/31/23 15:58	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			451766	10/25/23 14:37	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-13

Date Collected: 10/25/23 14:50
Date Received: 10/27/23 09:10

Lab Sample ID: 180-164520-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		2.5	1 mL	1 mL	450452	10/29/23 02:10	AM	EET PIT
	Instrument ID: CHICS2100B									
Dissolved	Analysis	EPA 300.0 R2.1		25	1 mL	1 mL	450452	10/29/23 02:24	AM	EET PIT
	Instrument ID: CHICS2100B									
Dissolved	Prep	3005A			25 mL	125 mL	805672	11/01/23 06:53	RR	EET SAV
Dissolved	Analysis	6020B		4			806228	11/02/23 13:20	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	3005A			25 mL	125 mL	805672	11/01/23 06:53	RR	EET SAV
Dissolved	Analysis	6020B		1			806015	11/01/23 15:56	BWR	EET SAV
	Instrument ID: ICPMSD									
Dissolved	Prep	7470A			25 mL	25 mL	450631	10/31/23 13:05	MTW	EET PIT
Dissolved	Analysis	EPA 7470A		1			450760	11/01/23 13:31	MTW	EET PIT
	Instrument ID: HGZ									
Dissolved	Analysis	SM 2540C		1	5 mL	100 mL	450663	10/31/23 15:58	LWM	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Job ID: 180-164148-1
Project/Site: Plant Watson Ash Pond Surfacewater

Client Sample ID: SW-14
Lab Sample ID: 180-164520-9
Date Collected: 10/25/23 13:16
Matrix: Water
Date Received: 10/27/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2.5	1 mL	1 mL	450451	10/28/23 16:00	AM	EET PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	300.0		25	1 mL	1 mL	450451	10/28/23 16:14	AM	EET PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	125 mL	805667	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		2			806228	11/02/23 15:35	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	805667	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			806015	11/01/23 20:31	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			25 mL	25 mL	450631	10/31/23 13:05	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450760	11/01/23 13:32	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	450666	10/31/23 16:17	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			451766	10/25/23 13:16	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-14
Lab Sample ID: 180-164520-10
Date Collected: 10/25/23 13:35
Matrix: Water
Date Received: 10/27/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		2.5	1 mL	1 mL	450451	10/28/23 16:28	AM	EET PIT
	Instrument ID: CHIC2100A									
Dissolved	Analysis	EPA 300.0 R2.1		25	1 mL	1 mL	450451	10/28/23 16:42	AM	EET PIT
	Instrument ID: CHIC2100A									
Dissolved	Prep	3005A			25 mL	125 mL	805672	11/01/23 06:53	RR	EET SAV
Dissolved	Analysis	6020B		4			806228	11/02/23 13:24	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	3005A			25 mL	125 mL	805672	11/01/23 06:53	RR	EET SAV
Dissolved	Analysis	6020B		1			806015	11/01/23 15:59	BWR	EET SAV
	Instrument ID: ICPMSD									
Dissolved	Prep	7470A			25 mL	25 mL	450631	10/31/23 13:05	MTW	EET PIT
Dissolved	Analysis	EPA 7470A		1			450760	11/01/23 13:33	MTW	EET PIT
	Instrument ID: HGZ									
Dissolved	Analysis	SM 2540C		1	5 mL	100 mL	450666	10/31/23 16:17	LWM	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-164148-1

Client Sample ID: SW-15

Date Collected: 10/25/23 13:56
Date Received: 10/27/23 09:10

Lab Sample ID: 180-164520-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2.5	1 mL	1 mL	450451	10/28/23 18:09	AM	EET PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	300.0		25	1 mL	1 mL	450451	10/28/23 18:22	AM	EET PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	125 mL	805667	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		2			806228	11/02/23 15:47	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	805667	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			806015	11/01/23 20:34	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			25 mL	25 mL	450631	10/31/23 13:05	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450760	11/01/23 13:34	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	450666	10/31/23 16:17	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			451766	10/25/23 13:56	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-15

Date Collected: 10/25/23 14:08
Date Received: 10/27/23 09:10

Lab Sample ID: 180-164520-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		2.5	1 mL	1 mL	450451	10/28/23 18:36	AM	EET PIT
	Instrument ID: CHIC2100A									
Dissolved	Analysis	EPA 300.0 R2.1		25	1 mL	1 mL	450451	10/28/23 18:50	AM	EET PIT
	Instrument ID: CHIC2100A									
Dissolved	Prep	3005A			25 mL	125 mL	805672	11/01/23 06:53	RR	EET SAV
Dissolved	Analysis	6020B		4			806228	11/02/23 13:28	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	3005A			25 mL	125 mL	805672	11/01/23 06:53	RR	EET SAV
Dissolved	Analysis	6020B		1			806015	11/01/23 16:02	BWR	EET SAV
	Instrument ID: ICPMSD									
Dissolved	Prep	7470A			25 mL	25 mL	450631	10/31/23 13:05	MTW	EET PIT
Dissolved	Analysis	EPA 7470A		1			450760	11/01/23 13:35	MTW	EET PIT
	Instrument ID: HGZ									
Dissolved	Analysis	SM 2540C		1	5 mL	100 mL	450666	10/31/23 16:17	LWM	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-164148-1

Client Sample ID: SW-16

Date Collected: 10/25/23 12:11
Date Received: 10/27/23 09:10

Lab Sample ID: 180-164520-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2.5	1 mL	1 mL	450451	10/28/23 19:04	AM	EET PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	300.0		25	1 mL	1 mL	450451	10/28/23 19:19	AM	EET PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	125 mL	805667	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		2			806228	11/02/23 15:51	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	805667	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			806015	11/01/23 20:37	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			25 mL	25 mL	450631	10/31/23 13:05	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450760	11/01/23 13:36	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	450666	10/31/23 16:17	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			451766	10/25/23 12:11	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-16

Date Collected: 10/25/23 12:30
Date Received: 10/27/23 09:10

Lab Sample ID: 180-164520-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		2.5	1 mL	1 mL	450451	10/28/23 19:34	AM	EET PIT
	Instrument ID: CHIC2100A									
Dissolved	Analysis	EPA 300.0 R2.1		25	1 mL	1 mL	450451	10/28/23 19:48	AM	EET PIT
	Instrument ID: CHIC2100A									
Dissolved	Prep	3005A			25 mL	125 mL	805672	11/01/23 06:53	RR	EET SAV
Dissolved	Analysis	6020B		4			806228	11/02/23 13:32	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	3005A			25 mL	125 mL	805672	11/01/23 06:53	RR	EET SAV
Dissolved	Analysis	6020B		1			806015	11/01/23 16:14	BWR	EET SAV
	Instrument ID: ICPMSD									
Dissolved	Prep	7470A			25 mL	25 mL	450631	10/31/23 13:05	MTW	EET PIT
Dissolved	Analysis	EPA 7470A		1			450760	11/01/23 13:37	MTW	EET PIT
	Instrument ID: HGZ									
Dissolved	Analysis	SM 2540C		1	5 mL	100 mL	450666	10/31/23 16:17	LWM	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-164148-1

Client Sample ID: SW-17

Date Collected: 10/25/23 11:27
Date Received: 10/27/23 09:10

Lab Sample ID: 180-164520-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2.5	1 mL	1 mL	450451	10/28/23 20:33	AM	EET PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	300.0		25	1 mL	1 mL	450451	10/28/23 20:48	AM	EET PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	125 mL	805667	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		2			806228	11/02/23 16:03	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	805667	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			806015	11/01/23 20:40	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			25 mL	25 mL	450631	10/31/23 13:05	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450760	11/01/23 13:38	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	450666	10/31/23 16:17	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			451766	10/25/23 11:27	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-17

Date Collected: 10/25/23 11:46
Date Received: 10/27/23 09:10

Lab Sample ID: 180-164520-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		2.5	1 mL	1 mL	450451	10/28/23 21:02	AM	EET PIT
	Instrument ID: CHIC2100A									
Dissolved	Analysis	EPA 300.0 R2.1		25	1 mL	1 mL	450451	10/28/23 21:17	AM	EET PIT
	Instrument ID: CHIC2100A									
Dissolved	Prep	3005A			25 mL	125 mL	805672	11/01/23 06:53	RR	EET SAV
Dissolved	Analysis	6020B		4			806228	11/02/23 13:44	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	3005A			25 mL	125 mL	805672	11/01/23 06:53	RR	EET SAV
Dissolved	Analysis	6020B		1			806015	11/01/23 16:17	BWR	EET SAV
	Instrument ID: ICPMSD									
Dissolved	Prep	7470A			25 mL	25 mL	450631	10/31/23 13:05	MTW	EET PIT
Dissolved	Analysis	EPA 7470A		1			450760	11/01/23 13:39	MTW	EET PIT
	Instrument ID: HGZ									
Dissolved	Analysis	SM 2540C		1	5 mL	100 mL	450666	10/31/23 16:17	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-03
Lab Sample ID: 180-164520-17
Date Collected: 10/25/23 11:11
Matrix: Water
Date Received: 10/27/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2.5	1 mL	1 mL	450451	10/28/23 21:32	AM	EET PIT
	Instrument ID: CHIC2100A									
Total/NA	Analysis	300.0		25	1 mL	1 mL	450451	10/28/23 21:47	AM	EET PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	125 mL	805667	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		2			806228	11/02/23 16:07	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	805667	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			806015	11/01/23 20:43	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			25 mL	25 mL	450631	10/31/23 13:05	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450760	11/01/23 13:44	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	450666	10/31/23 16:17	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-03
Lab Sample ID: 180-164520-18
Date Collected: 10/25/23 11:37
Matrix: Water
Date Received: 10/27/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		2.5	1 mL	1 mL	450451	10/28/23 23:15	AM	EET PIT
	Instrument ID: CHIC2100A									
Dissolved	Analysis	EPA 300.0 R2.1		25	1 mL	1 mL	450451	10/28/23 23:30	AM	EET PIT
	Instrument ID: CHIC2100A									
Dissolved	Prep	3005A			25 mL	125 mL	805672	11/01/23 06:53	RR	EET SAV
Dissolved	Analysis	6020B		4			806228	11/02/23 13:48	BWR	EET SAV
	Instrument ID: ICPMSC									
Dissolved	Prep	3005A			25 mL	125 mL	805672	11/01/23 06:53	RR	EET SAV
Dissolved	Analysis	6020B		1			806015	11/01/23 16:20	BWR	EET SAV
	Instrument ID: ICPMSD									
Dissolved	Prep	7470A			25 mL	25 mL	450631	10/31/23 13:05	MTW	EET PIT
Dissolved	Analysis	EPA 7470A		1			450760	11/01/23 13:45	MTW	EET PIT
	Instrument ID: HGZ									
Dissolved	Analysis	SM 2540C		1	5 mL	100 mL	450666	10/31/23 16:17	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: EB-02
Lab Sample ID: 180-164520-19
Date Collected: 10/25/23 10:23
Matrix: Water
Date Received: 10/27/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	450451	10/28/23 23:45	AM	EET PIT
	Instrument ID: CHIC2100A									

Lab Chronicle

Client: Southern Company
Job ID: 180-164148-1
Project/Site: Plant Watson Ash Pond Surfacewater

Client Sample ID: EB-02
Lab Sample ID: 180-164520-19
Date Collected: 10/25/23 10:23
Matrix: Water
Date Received: 10/27/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	805667	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			806228	11/02/23 15:55	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	805667	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			806015	11/01/23 20:46	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			25 mL	25 mL	450631	10/31/23 13:05	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450760	11/01/23 13:46	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	450666	10/31/23 16:17	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: FB-02
Lab Sample ID: 180-164520-20
Date Collected: 10/25/23 10:16
Matrix: Water
Date Received: 10/27/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	450451	10/29/23 00:00	AM	EET PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			25 mL	125 mL	805667	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			806228	11/02/23 15:59	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	805667	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			806015	11/01/23 20:55	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			25 mL	25 mL	450631	10/31/23 13:05	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450760	11/01/23 13:47	MTW	EET PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	450666	10/31/23 16:17	LWM	EET PIT
	Instrument ID: NOEQUIP									

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

Lab Chronicle

Client: Southern Company
Job ID: 180-164148-1
Project/Site: Plant Watson Ash Pond Surfacewater

Analyst References:

Lab: EET PIT
- Batch Type: Prep
  - MTW = Michael Wesoloski
- Batch Type: Analysis
  - AM = Adzuira Musule
  - FDS = Sampler Field
  - LWM = Leslie McIntire
  - M1D = Maureen Donlin
  - MTW = Michael Wesoloski

Lab: EET SAV
- Batch Type: Prep
  - DW = David Watters
  - RR = Robert Rancourt
- Batch Type: Analysis
  - BWR = Bryn Robertson
  - DW = David Watters

Client Sample Results

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

Job ID: 180-164148-1

Client Sample ID: SW-1

Date Collected: 10/17/23 15:57
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-1

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9200**		25	18	mg/L			10/21/23 19:27	25
Fluoride	<0.065		0.50	0.065	mg/L			10/21/23 19:12	2.5
Sulfate	**1200**		2.5	1.9	mg/L			10/21/23 19:12	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0027**	**J**	0.015	0.00086	mg/L		10/25/23 07:35	10/25/23 20:13	1
Barium	**0.096**		0.025	0.00089	mg/L		10/25/23 07:35	10/25/23 20:13	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 07:35	10/25/23 20:13	1
Boron	**2.1**		0.50	0.022	mg/L		10/25/23 07:35	10/25/23 20:13	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 07:35	10/25/23 20:13	1
Calcium	**200**		2.5	0.14	mg/L		10/25/23 07:35	10/25/23 20:13	1
Chromium	**0.0012**	**J**	0.025	0.0012	mg/L		10/25/23 07:35	10/25/23 20:13	1
Cobalt	**0.00060**	**J**	0.013	0.00022	mg/L		10/25/23 07:35	10/25/23 20:13	1
Molybdenum	**0.0043**	**J**	0.075	0.00086	mg/L		10/25/23 07:35	10/25/23 20:13	1
Lead	**0.00052**	**J**	0.013	0.00021	mg/L		10/25/23 07:35	10/25/23 20:13	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 07:35	10/25/23 20:13	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 07:35	10/25/23 20:13	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 07:35	10/25/23 20:13	1
Lithium	**0.077**		0.025	0.0020	mg/L		10/25/23 07:35	10/25/23 20:13	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/27/23 15:12	10/30/23 12:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**17000**	**H**	200	200	mg/L			10/25/23 14:54	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.15**				SU			10/17/23 15:57	1

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

Job ID: 180-164148-1

Client Sample ID: SW-1

Date Collected: 10/17/23 16:10
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-2

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**8900**		25	18	mg/L			10/21/23 21:25	25
Fluoride, Dissolved	**0.096**	**J**	0.25	0.065	mg/L			10/21/23 21:10	2.5
Sulfate, Dissolved	**1100**		2.5	1.9	mg/L			10/21/23 21:10	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0022**	**J**	0.015	0.00086	mg/L		10/25/23 07:40	10/26/23 03:11	1
Barium, Dissolved	**0.11**		0.025	0.00089	mg/L		10/25/23 07:40	10/26/23 03:11	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		10/25/23 07:40	10/26/23 03:11	1
Boron, Dissolved	**2.3**		0.50	0.022	mg/L		10/25/23 07:40	10/26/23 03:11	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		10/25/23 07:40	10/26/23 03:11	1
Calcium, Dissolved	**220**		2.5	0.14	mg/L		10/25/23 07:40	10/26/23 03:11	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		10/25/23 07:40	10/26/23 03:11	1
Cobalt, Dissolved	**0.00043**	**J**	0.013	0.00022	mg/L		10/25/23 07:40	10/26/23 03:11	1
Molybdenum, Dissolved	**0.0044**	**J**	0.075	0.00086	mg/L		10/25/23 07:40	10/26/23 03:11	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		10/25/23 07:40	10/26/23 03:11	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		10/25/23 07:40	10/26/23 03:11	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		10/25/23 07:40	10/26/23 03:11	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		10/25/23 07:40	10/26/23 03:11	1
Lithium, Dissolved	**0.082**		0.025	0.0020	mg/L		10/25/23 07:40	10/26/23 03:11	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/27/23 14:39	10/30/23 11:17	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**16000**		200	200	mg/L			10/20/23 21:08	1

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

Job ID: 180-164148-1

Client Sample ID: SW-1

Date Collected: 10/17/23 16:19
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-3

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10000**		25	18	mg/L			10/21/23 21:55	25
Fluoride	**0.095**	**J**	0.50	0.065	mg/L			10/21/23 21:40	2.5
Sulfate	**1300**		2.5	1.9	mg/L			10/21/23 21:40	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0028**	**J**	0.015	0.00086	mg/L		10/25/23 07:35	10/25/23 20:21	1
Barium	**0.095**		0.025	0.00089	mg/L		10/25/23 07:35	10/25/23 20:21	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 07:35	10/25/23 20:21	1
Boron	**2.2**		0.50	0.022	mg/L		10/25/23 07:35	10/25/23 20:21	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 07:35	10/25/23 20:21	1
Calcium	**210**		2.5	0.14	mg/L		10/25/23 07:35	10/25/23 20:21	1
Chromium	**0.0012**	**J**	0.025	0.0012	mg/L		10/25/23 07:35	10/25/23 20:21	1
Cobalt	**0.00074**	**J**	0.013	0.00022	mg/L		10/25/23 07:35	10/25/23 20:21	1
Molybdenum	**0.0045**	**J**	0.075	0.00086	mg/L		10/25/23 07:35	10/25/23 20:21	1
Lead	**0.00072**	**J**	0.013	0.00021	mg/L		10/25/23 07:35	10/25/23 20:21	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 07:35	10/25/23 20:21	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 07:35	10/25/23 20:21	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 07:35	10/25/23 20:21	1
Lithium	**0.082**		0.025	0.0020	mg/L		10/25/23 07:35	10/25/23 20:21	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/27/23 15:12	10/30/23 12:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**17000**		200	200	mg/L			10/20/23 21:08	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.05**				SU			10/17/23 16:19	1

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

Job ID: 180-164148-1

Client Sample ID: SW-1

Date Collected: 10/17/23 16:31
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-4

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**9600**		25	18	mg/L			10/21/23 22:24	25
Fluoride, Dissolved	**0.10**	**J**	0.25	0.065	mg/L			10/21/23 22:09	2.5
Sulfate, Dissolved	**1300**		2.5	1.9	mg/L			10/21/23 22:09	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0024**	**J**	0.015	0.00086	mg/L		10/25/23 07:40	10/26/23 02:02	1
Barium, Dissolved	**0.11**		0.025	0.00089	mg/L		10/25/23 07:40	10/26/23 02:02	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		10/25/23 07:40	10/26/23 02:02	1
Boron, Dissolved	**2.4**		0.50	0.022	mg/L		10/25/23 07:40	10/26/23 02:02	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		10/25/23 07:40	10/26/23 02:02	1
Calcium, Dissolved	**220**		2.5	0.14	mg/L		10/25/23 07:40	10/26/23 02:02	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		10/25/23 07:40	10/26/23 02:02	1
Cobalt, Dissolved	**0.00051**	**J**	0.013	0.00022	mg/L		10/25/23 07:40	10/26/23 02:02	1
Molybdenum, Dissolved	**0.0049**	**J**	0.075	0.00086	mg/L		10/25/23 07:40	10/26/23 02:02	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		10/25/23 07:40	10/26/23 02:02	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		10/25/23 07:40	10/26/23 02:02	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		10/25/23 07:40	10/26/23 02:02	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		10/25/23 07:40	10/26/23 02:02	1
Lithium, Dissolved	**0.085**		0.025	0.0020	mg/L		10/25/23 07:40	10/26/23 02:02	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/27/23 14:39	10/30/23 11:20	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**17000**		200	200	mg/L			10/20/23 21:08	1

Client Sample Results

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

Job ID: 180-164148-1

Client Sample ID: SW-2

Date Collected: 10/17/23 15:08
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-5

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9500**		25	18	mg/L			10/21/23 23:23	25
Fluoride	**0.18**	**J**	0.50	0.065	mg/L			10/21/23 23:08	2.5
Sulfate	**1100**		2.5	1.9	mg/L			10/21/23 23:08	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0024**	**J**	0.015	0.00086	mg/L		10/25/23 07:35	10/25/23 20:25	1
Barium	**0.092**		0.025	0.00089	mg/L		10/25/23 07:35	10/25/23 20:25	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 07:35	10/25/23 20:25	1
Boron	**2.1**		0.50	0.022	mg/L		10/25/23 07:35	10/25/23 20:25	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 07:35	10/25/23 20:25	1
Calcium	**190**		2.5	0.14	mg/L		10/25/23 07:35	10/25/23 20:25	1
Chromium	**0.0012**	**J**	0.025	0.0012	mg/L		10/25/23 07:35	10/25/23 20:25	1
Cobalt	**0.00049**	**J**	0.013	0.00022	mg/L		10/25/23 07:35	10/25/23 20:25	1
Molybdenum	**0.0041**	**J**	0.075	0.00086	mg/L		10/25/23 07:35	10/25/23 20:25	1
Lead	**0.00044**	**J**	0.013	0.00021	mg/L		10/25/23 07:35	10/25/23 20:25	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 07:35	10/25/23 20:25	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 07:35	10/25/23 20:25	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 07:35	10/25/23 20:25	1
Lithium	**0.074**		0.025	0.0020	mg/L		10/25/23 07:35	10/25/23 20:25	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/27/23 15:12	10/30/23 12:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**16000**		200	200	mg/L			10/20/23 21:08	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.13**				SU			10/17/23 15:08	1

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

Job ID: 180-164148-1

Client Sample ID: SW-2

Date Collected: 10/17/23 15:20
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-6

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**9300**		25	18	mg/L			10/21/23 23:53	25
Fluoride, Dissolved	**0.10**	**J**	0.25	0.065	mg/L			10/21/23 23:38	2.5
Sulfate, Dissolved	**1200**		2.5	1.9	mg/L			10/21/23 23:38	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0021**	**J**	0.015	0.00086	mg/L		10/25/23 07:40	10/26/23 02:55	1
Barium, Dissolved	**0.11**		0.025	0.00089	mg/L		10/25/23 07:40	10/26/23 02:55	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		10/25/23 07:40	10/26/23 02:55	1
Boron, Dissolved	**2.3**		0.50	0.022	mg/L		10/25/23 07:40	10/26/23 02:55	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		10/25/23 07:40	10/26/23 02:55	1
Calcium, Dissolved	**200**		2.5	0.14	mg/L		10/25/23 07:40	10/26/23 02:55	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		10/25/23 07:40	10/26/23 02:55	1
Cobalt, Dissolved	**0.00044**	**J**	0.013	0.00022	mg/L		10/25/23 07:40	10/27/23 17:14	1
Molybdenum, Dissolved	**0.0037**	**J**	0.075	0.00086	mg/L		10/25/23 07:40	10/26/23 02:55	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		10/25/23 07:40	10/26/23 02:55	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		10/25/23 07:40	10/26/23 02:55	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		10/25/23 07:40	10/26/23 02:55	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		10/25/23 07:40	10/26/23 02:55	1
Lithium, Dissolved	**0.078**		0.025	0.0020	mg/L		10/25/23 07:40	10/26/23 02:55	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/27/23 14:39	10/30/23 11:22	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**16000**		200	200	mg/L			10/20/23 21:08	1

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

Job ID: 180-164148-1

Client Sample ID: SW-2

Date Collected: 10/17/23 15:30
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-7

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9500**		25	18	mg/L			10/22/23 00:22	25
Fluoride	**0.21**	**J**	0.50	0.065	mg/L			10/22/23 00:08	2.5
Sulfate	**1300**		2.5	1.9	mg/L			10/22/23 00:08	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0027**	**J**	0.015	0.00086	mg/L		10/25/23 07:35	10/25/23 20:29	1
Barium	**0.094**		0.025	0.00089	mg/L		10/25/23 07:35	10/25/23 20:29	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 07:35	10/25/23 20:29	1
Boron	**2.2**		0.50	0.022	mg/L		10/25/23 07:35	10/25/23 20:29	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 07:35	10/25/23 20:29	1
Calcium	**200**		2.5	0.14	mg/L		10/25/23 07:35	10/25/23 20:29	1
Chromium	**0.0012**	**J**	0.025	0.0012	mg/L		10/25/23 07:35	10/25/23 20:29	1
Cobalt	**0.00062**	**J**	0.013	0.00022	mg/L		10/25/23 07:35	10/25/23 20:29	1
Molybdenum	**0.0044**	**J**	0.075	0.00086	mg/L		10/25/23 07:35	10/25/23 20:29	1
Lead	**0.00057**	**J**	0.013	0.00021	mg/L		10/25/23 07:35	10/25/23 20:29	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 07:35	10/25/23 20:29	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 07:35	10/25/23 20:29	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 07:35	10/25/23 20:29	1
Lithium	**0.079**		0.025	0.0020	mg/L		10/25/23 07:35	10/25/23 20:29	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/27/23 15:12	10/30/23 12:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**17000**		200	200	mg/L			10/23/23 18:09	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.16**				SU			10/17/23 15:30	1

Client Sample ID: SW-2
Lab Sample ID: 180-164148-8

Date Collected: 10/17/23 15:41
Matrix: Water
Date Received: 10/19/23 09:20

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**10000**		25	18	mg/L			10/22/23 00:51	25
Fluoride, Dissolved	**0.25**		0.25	0.065	mg/L			10/22/23 00:37	2.5
Sulfate, Dissolved	**1400**		2.5	1.9	mg/L			10/22/23 00:37	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0021**	**J**	0.015	0.00086	mg/L		10/25/23 07:40	10/26/23 02:06	1
Barium, Dissolved	**0.093**		0.025	0.00089	mg/L		10/25/23 07:40	10/26/23 02:06	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		10/25/23 07:40	10/26/23 02:06	1
Boron, Dissolved	**2.2**		0.50	0.022	mg/L		10/25/23 07:40	10/26/23 02:06	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		10/25/23 07:40	10/26/23 02:06	1
Calcium, Dissolved	**200**		2.5	0.14	mg/L		10/25/23 07:40	10/26/23 02:06	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		10/25/23 07:40	10/26/23 02:06	1
Cobalt, Dissolved	**0.00040**	**J**	0.013	0.00022	mg/L		10/25/23 07:40	10/26/23 02:06	1
Molybdenum, Dissolved	**0.0044**	**J**	0.075	0.00086	mg/L		10/25/23 07:40	10/26/23 02:06	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		10/25/23 07:40	10/26/23 02:06	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		10/25/23 07:40	10/26/23 02:06	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		10/25/23 07:40	10/26/23 02:06	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		10/25/23 07:40	10/26/23 02:06	1
Lithium, Dissolved	**0.079**		0.025	0.0020	mg/L		10/25/23 07:40	10/26/23 02:06	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/27/23 14:39	10/30/23 11:24	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**17000**		200	200	mg/L			10/23/23 18:09	1

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

Job ID: 180-164148-1

Client Sample ID: SW-3

Date Collected: 10/17/23 09:25
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-9

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10000**		25	18	mg/L			10/22/23 01:19	25
Fluoride	**0.22**	**J**	0.50	0.065	mg/L			10/22/23 01:05	2.5
Sulfate	**1400**		2.5	1.9	mg/L			10/22/23 01:05	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0028**	**J**	0.015	0.00086	mg/L		10/25/23 07:35	10/25/23 20:41	1
Barium	**0.093**		0.025	0.00089	mg/L		10/25/23 07:35	10/25/23 20:41	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 07:35	10/25/23 20:41	1
Boron	**2.2**		0.50	0.022	mg/L		10/25/23 07:35	10/25/23 20:41	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 07:35	10/25/23 20:41	1
Calcium	**200**		2.5	0.14	mg/L		10/25/23 07:35	10/25/23 20:41	1
Chromium	**0.0012**	**J**	0.025	0.0012	mg/L		10/25/23 07:35	10/25/23 20:41	1
Cobalt	**0.00062**	**J**	0.013	0.00022	mg/L		10/25/23 07:35	10/25/23 20:41	1
Molybdenum	**0.0046**	**J**	0.075	0.00086	mg/L		10/25/23 07:35	10/25/23 20:41	1
Lead	**0.00055**	**J**	0.013	0.00021	mg/L		10/25/23 07:35	10/25/23 20:41	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 07:35	10/25/23 20:41	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 07:35	10/25/23 20:41	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 07:35	10/25/23 20:41	1
Lithium	**0.082**		0.025	0.0020	mg/L		10/25/23 07:35	10/25/23 20:41	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/27/23 15:12	10/30/23 12:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**18000**		200	200	mg/L			10/23/23 18:09	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.44**				SU			10/17/23 09:25	1

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

Job ID: 180-164148-1

Client Sample ID: SW-3

Date Collected: 10/17/23 09:39
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-10

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**12000**		25	18	mg/L			10/24/23 23:04	25
Fluoride, Dissolved	**0.39**		0.25	0.065	mg/L			10/24/23 22:50	2.5
Sulfate, Dissolved	**1500**		2.5	1.9	mg/L			10/24/23 22:50	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0024**	**J**	0.015	0.00086	mg/L		10/25/23 07:40	10/26/23 02:27	1
Barium, Dissolved	**0.11**		0.025	0.00089	mg/L		10/25/23 07:40	10/26/23 02:27	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		10/25/23 07:40	10/26/23 02:27	1
Boron, Dissolved	**2.5**		0.50	0.022	mg/L		10/25/23 07:40	10/26/23 02:27	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		10/25/23 07:40	10/26/23 02:27	1
Calcium, Dissolved	**230**		2.5	0.14	mg/L		10/25/23 07:40	10/26/23 02:27	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		10/25/23 07:40	10/26/23 02:27	1
Cobalt, Dissolved	**0.00038**	**J**	0.013	0.00022	mg/L		10/25/23 07:40	10/26/23 02:27	1
Molybdenum, Dissolved	**0.0049**	**J**	0.075	0.00086	mg/L		10/25/23 07:40	10/26/23 02:27	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		10/25/23 07:40	10/26/23 02:27	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		10/25/23 07:40	10/26/23 02:27	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		10/25/23 07:40	10/26/23 02:27	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		10/25/23 07:40	10/26/23 02:27	1
Lithium, Dissolved	**0.089**		0.025	0.0020	mg/L		10/25/23 07:40	10/26/23 02:27	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/27/23 14:39	10/30/23 11:26	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**18000**		200	200	mg/L			10/23/23 18:09	1

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

Job ID: 180-164148-1

Client Sample ID: SW-3

Date Collected: 10/17/23 09:50
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-11

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9900**		25	18	mg/L			10/21/23 15:12	25
Fluoride	**0.15**	**J**	0.50	0.065	mg/L			10/21/23 14:57	2.5
Sulfate	**1300**		2.5	1.9	mg/L			10/21/23 14:57	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0029**	**J**	0.015	0.00086	mg/L		10/25/23 07:35	10/25/23 20:45	1
Barium	**0.097**		0.025	0.00089	mg/L		10/25/23 07:35	10/25/23 20:45	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 07:35	10/25/23 20:45	1
Boron	**2.3**		0.50	0.022	mg/L		10/25/23 07:35	10/25/23 20:45	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 07:35	10/25/23 20:45	1
Calcium	**210**		2.5	0.14	mg/L		10/25/23 07:35	10/25/23 20:45	1
Chromium	**0.0012**	**J**	0.025	0.0012	mg/L		10/25/23 07:35	10/25/23 20:45	1
Cobalt	**0.00065**	**J**	0.013	0.00022	mg/L		10/25/23 07:35	10/25/23 20:45	1
Molybdenum	**0.0046**	**J**	0.075	0.00086	mg/L		10/25/23 07:35	10/25/23 20:45	1
Lead	**0.00059**	**J**	0.013	0.00021	mg/L		10/25/23 07:35	10/25/23 20:45	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 07:35	10/25/23 20:45	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 07:35	10/25/23 20:45	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 07:35	10/25/23 20:45	1
Lithium	**0.083**		0.025	0.0020	mg/L		10/25/23 07:35	10/25/23 20:45	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/27/23 15:12	10/30/23 12:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**17000**		200	200	mg/L			10/23/23 18:09	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.83**				SU			10/17/23 09:50	1

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

Job ID: 180-164148-1

Client Sample ID: SW-3

Date Collected: 10/17/23 10:03
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-12

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**10000**		25	18	mg/L			10/21/23 15:41	25
Fluoride, Dissolved	**0.15**	**J**	0.25	0.065	mg/L			10/21/23 15:27	2.5
Sulfate, Dissolved	**1300**		2.5	1.9	mg/L			10/21/23 15:27	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0022**	**J**	0.015	0.00086	mg/L		10/25/23 07:40	10/26/23 02:35	1
Barium, Dissolved	**0.11**		0.025	0.00089	mg/L		10/25/23 07:40	10/26/23 02:35	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		10/25/23 07:40	10/26/23 02:35	1
Boron, Dissolved	**2.5**		0.50	0.022	mg/L		10/25/23 07:40	10/26/23 02:35	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		10/25/23 07:40	10/26/23 02:35	1
Calcium, Dissolved	**230**		2.5	0.14	mg/L		10/25/23 07:40	10/26/23 02:35	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		10/25/23 07:40	10/26/23 02:35	1
Cobalt, Dissolved	**0.00038**	**J**	0.013	0.00022	mg/L		10/25/23 07:40	10/27/23 15:28	1
Molybdenum, Dissolved	**0.0041**	**J**	0.075	0.00086	mg/L		10/25/23 07:40	10/26/23 02:35	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		10/25/23 07:40	10/26/23 02:35	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		10/25/23 07:40	10/26/23 02:35	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		10/25/23 07:40	10/26/23 02:35	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		10/25/23 07:40	10/26/23 02:35	1
Lithium, Dissolved	**0.088**		0.025	0.0020	mg/L		10/25/23 07:40	10/26/23 02:35	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/27/23 14:39	10/30/23 11:28	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**17000**		200	200	mg/L			10/23/23 18:09	1

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

Job ID: 180-164148-1

Client Sample ID: SW-4

Date Collected: 10/17/23 11:53
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-13

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9300**		25	18	mg/L			10/21/23 16:41	25
Fluoride	**0.18**	**J**	0.50	0.065	mg/L			10/21/23 16:26	2.5
Sulfate	**1200**		2.5	1.9	mg/L			10/21/23 16:26	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0027**	**J**	0.015	0.00086	mg/L		10/25/23 07:35	10/25/23 20:49	1
Barium	**0.10**		0.025	0.00089	mg/L		10/25/23 07:35	10/25/23 20:49	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 07:35	10/25/23 20:49	1
Boron	**2.1**		0.50	0.022	mg/L		10/25/23 07:35	10/25/23 20:49	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 07:35	10/25/23 20:49	1
Calcium	**190**		2.5	0.14	mg/L		10/25/23 07:35	10/25/23 20:49	1
Chromium	**0.0013**	**J**	0.025	0.0012	mg/L		10/25/23 07:35	10/25/23 20:49	1
Cobalt	**0.00071**	**J**	0.013	0.00022	mg/L		10/25/23 07:35	10/25/23 20:49	1
Molybdenum	**0.0042**	**J**	0.075	0.00086	mg/L		10/25/23 07:35	10/25/23 20:49	1
Lead	**0.00055**	**J**	0.013	0.00021	mg/L		10/25/23 07:35	10/25/23 20:49	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 07:35	10/25/23 20:49	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 07:35	10/25/23 20:49	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 07:35	10/25/23 20:49	1
Lithium	**0.074**		0.025	0.0020	mg/L		10/25/23 07:35	10/25/23 20:49	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/27/23 15:12	10/30/23 12:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**15000**		200	200	mg/L			10/23/23 18:09	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.57**				SU			10/17/23 11:53	1

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

Job ID: 180-164148-1

Client Sample ID: SW-4

Date Collected: 10/17/23 12:22
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-14

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**8900**		25	18	mg/L			10/21/23 17:10	25
Fluoride, Dissolved	**0.49**		0.25	0.065	mg/L			10/21/23 16:56	2.5
Sulfate, Dissolved	**1200**		2.5	1.9	mg/L			10/21/23 16:56	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0021**	**J**	0.015	0.00086	mg/L		10/25/23 07:40	10/26/23 02:39	1
Barium, Dissolved	**0.11**		0.025	0.00089	mg/L		10/25/23 07:40	10/26/23 02:39	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		10/25/23 07:40	10/26/23 02:39	1
Boron, Dissolved	**2.1**		0.50	0.022	mg/L		10/25/23 07:40	10/26/23 02:39	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		10/25/23 07:40	10/26/23 02:39	1
Calcium, Dissolved	**190**		2.5	0.14	mg/L		10/25/23 07:40	10/26/23 02:39	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		10/25/23 07:40	10/26/23 02:39	1
Cobalt, Dissolved	**0.00046**	**J**	0.013	0.00022	mg/L		10/25/23 07:40	10/26/23 02:39	1
Molybdenum, Dissolved	**0.0039**	**J**	0.075	0.00086	mg/L		10/25/23 07:40	10/26/23 02:39	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		10/25/23 07:40	10/26/23 02:39	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		10/25/23 07:40	10/26/23 02:39	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		10/25/23 07:40	10/26/23 02:39	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		10/25/23 07:40	10/26/23 02:39	1
Lithium, Dissolved	**0.072**		0.025	0.0020	mg/L		10/25/23 07:40	10/26/23 02:39	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/27/23 14:39	10/30/23 11:30	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**15000**		200	200	mg/L			10/23/23 18:09	1

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

Job ID: 180-164148-1

Client Sample ID: SW-5

Date Collected: 10/17/23 07:59
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-15

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8000		25	18	mg/L			10/21/23 17:40	25
Fluoride	0.14	J	0.50	0.065	mg/L			10/21/23 17:25	2.5
Sulfate	1000		2.5	1.9	mg/L			10/21/23 17:25	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0022	J	0.015	0.00086	mg/L		10/25/23 07:35	10/25/23 20:53	1
Barium	0.097		0.025	0.00089	mg/L		10/25/23 07:35	10/25/23 20:53	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 07:35	10/25/23 20:53	1
Boron	1.8		0.50	0.022	mg/L		10/25/23 07:35	10/25/23 20:53	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 07:35	10/25/23 20:53	1
Calcium	170		2.5	0.14	mg/L		10/25/23 07:35	10/25/23 20:53	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/25/23 07:35	10/25/23 20:53	1
Cobalt	0.00060	J	0.013	0.00022	mg/L		10/25/23 07:35	10/25/23 20:53	1
Molybdenum	0.0034	J	0.075	0.00086	mg/L		10/25/23 07:35	10/25/23 20:53	1
Lead	0.00033	J	0.013	0.00021	mg/L		10/25/23 07:35	10/25/23 20:53	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 07:35	10/25/23 20:53	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 07:35	10/25/23 20:53	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 07:35	10/25/23 20:53	1
Lithium	0.065		0.025	0.0020	mg/L		10/25/23 07:35	10/25/23 20:53	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/27/23 15:12	10/30/23 12:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	14000		200	200	mg/L			10/23/23 18:09	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.56				SU			10/17/23 07:59	1

Client Sample ID: SW-5
Lab Sample ID: 180-164148-16

Date Collected: 10/17/23 08:33
Matrix: Water

Date Received: 10/19/23 09:20

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**8100**		25	18	mg/L			10/21/23 18:09	25
Fluoride, Dissolved	<0.065		0.25	0.065	mg/L			10/21/23 17:55	2.5
Sulfate, Dissolved	**1000**		2.5	1.9	mg/L			10/21/23 17:55	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0019**	**J**	0.015	0.00086	mg/L		10/25/23 07:40	10/26/23 02:23	1
Barium, Dissolved	**0.10**		0.025	0.00089	mg/L		10/25/23 07:40	10/26/23 02:23	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		10/25/23 07:40	10/26/23 02:23	1
Boron, Dissolved	**1.9**		0.50	0.022	mg/L		10/25/23 07:40	10/26/23 02:23	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		10/25/23 07:40	10/26/23 02:23	1
Calcium, Dissolved	**170**		2.5	0.14	mg/L		10/25/23 07:40	10/26/23 02:23	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		10/25/23 07:40	10/26/23 02:23	1
Cobalt, Dissolved	**0.00041**	**J**	0.013	0.00022	mg/L		10/25/23 07:40	10/26/23 02:23	1
Molybdenum, Dissolved	**0.0034**	**J**	0.075	0.00086	mg/L		10/25/23 07:40	10/26/23 02:23	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		10/25/23 07:40	10/26/23 02:23	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		10/25/23 07:40	10/26/23 02:23	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		10/25/23 07:40	10/26/23 02:23	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		10/25/23 07:40	10/26/23 02:23	1
Lithium, Dissolved	**0.066**		0.025	0.0020	mg/L		10/25/23 07:40	10/26/23 02:23	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/27/23 14:39	10/30/23 11:32	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**14000**		200	200	mg/L			10/23/23 18:09	1

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

Job ID: 180-164148-1

Client Sample ID: SW-5

Date Collected: 10/17/23 08:50
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-17

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11000**		25	18	mg/L			10/21/23 18:39	25
Fluoride	**0.18**	**J**	0.50	0.065	mg/L			10/21/23 18:24	2.5
Sulfate	**1400**		2.5	1.9	mg/L			10/21/23 18:24	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0029**	**J**	0.015	0.00086	mg/L		10/25/23 07:35	10/25/23 20:17	1
Barium	**0.085**		0.025	0.00089	mg/L		10/25/23 07:35	10/25/23 20:17	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 07:35	10/25/23 20:17	1
Boron	**2.5**		0.50	0.022	mg/L		10/25/23 07:35	10/25/23 20:17	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 07:35	10/25/23 20:17	1
Calcium	**230**		2.5	0.14	mg/L		10/25/23 07:35	10/25/23 20:17	1
Chromium	**0.0015**	**J**	0.025	0.0012	mg/L		10/25/23 07:35	10/25/23 20:17	1
Cobalt	**0.00056**	**J**	0.013	0.00022	mg/L		10/25/23 07:35	10/25/23 20:17	1
Molybdenum	**0.0053**	**J**	0.075	0.00086	mg/L		10/25/23 07:35	10/25/23 20:17	1
Lead	**0.00069**	**J**	0.013	0.00021	mg/L		10/25/23 07:35	10/25/23 20:17	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 07:35	10/25/23 20:17	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 07:35	10/25/23 20:17	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 07:35	10/25/23 20:17	1
Lithium	**0.092**		0.025	0.0020	mg/L		10/25/23 07:35	10/25/23 20:17	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/27/23 15:12	10/30/23 12:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**18000**		200	200	mg/L			10/23/23 18:09	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.31**				SU			10/17/23 08:50	1

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

Job ID: 180-164148-1

Client Sample ID: SW-5

Date Collected: 10/17/23 09:02
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-18

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**10000**		25	18	mg/L			10/21/23 19:38	25
Fluoride, Dissolved	**0.22**	**J**	0.25	0.065	mg/L			10/21/23 19:23	2.5
Sulfate, Dissolved	**1500**		2.5	1.9	mg/L			10/21/23 19:23	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0023**	**J**	0.015	0.00086	mg/L		10/25/23 07:40	10/27/23 16:46	1
Barium, Dissolved	**0.099**		0.025	0.00089	mg/L		10/25/23 07:40	10/26/23 03:07	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		10/25/23 07:40	10/26/23 03:07	1
Boron, Dissolved	**2.6**		0.50	0.022	mg/L		10/25/23 07:40	10/26/23 03:07	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		10/25/23 07:40	10/26/23 03:07	1
Calcium, Dissolved	**230**		2.5	0.14	mg/L		10/25/23 07:40	10/26/23 03:07	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		10/25/23 07:40	10/27/23 16:46	1
Cobalt, Dissolved	**0.00049**	**J**	0.013	0.00022	mg/L		10/25/23 07:40	10/27/23 16:46	1
Molybdenum, Dissolved	**0.0045**	**J**	0.075	0.00086	mg/L		10/25/23 07:40	10/26/23 03:07	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		10/25/23 07:40	10/26/23 03:07	1
Antimony, Dissolved	**0.00040**	**J**	0.025	0.00034	mg/L		10/25/23 07:40	10/26/23 03:07	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		10/25/23 07:40	10/26/23 03:07	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		10/25/23 07:40	10/26/23 03:07	1
Lithium, Dissolved	**0.094**		0.025	0.0020	mg/L		10/25/23 07:40	10/26/23 03:07	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/27/23 14:39	10/30/23 11:38	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**18000**		200	200	mg/L			10/23/23 18:09	1

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

Job ID: 180-164148-1

Client Sample ID: SW-9

Date Collected: 10/17/23 12:38
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-23

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7900**		25	18	mg/L			10/25/23 19:29	25
Fluoride	**0.22**	**J**	0.50	0.065	mg/L			10/25/23 19:14	2.5
Sulfate	**1100**		2.5	1.9	mg/L			10/25/23 19:14	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0026**	**J**	0.015	0.00086	mg/L		10/25/23 07:35	10/25/23 20:05	1
Barium	**0.099**		0.025	0.00089	mg/L		10/25/23 07:35	10/25/23 20:05	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 07:35	10/25/23 20:05	1
Boron	**2.0**		0.50	0.022	mg/L		10/25/23 07:35	10/25/23 20:05	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 07:35	10/25/23 20:05	1
Calcium	**180**		2.5	0.14	mg/L		10/25/23 07:35	10/25/23 20:05	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/25/23 07:35	10/25/23 20:05	1
Cobalt	**0.00057**	**J**	0.013	0.00022	mg/L		10/25/23 07:35	10/25/23 20:05	1
Molybdenum	**0.0038**	**J**	0.075	0.00086	mg/L		10/25/23 07:35	10/25/23 20:05	1
Lead	**0.00044**	**J**	0.013	0.00021	mg/L		10/25/23 07:35	10/25/23 20:05	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 07:35	10/25/23 20:05	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 07:35	10/25/23 20:05	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 07:35	10/25/23 20:05	1
Lithium	**0.074**		0.025	0.0020	mg/L		10/25/23 07:35	10/25/23 20:05	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/27/23 15:12	10/30/23 12:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**14000**		200	200	mg/L			10/23/23 18:09	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.93**				SU			10/17/23 12:38	1

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

Job ID: 180-164148-1

Client Sample ID: SW-9

Date Collected: 10/17/23 12:51
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-24

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**8100**		25	18	mg/L			10/25/23 19:58	25
Fluoride, Dissolved	**0.21**	**J**	0.25	0.065	mg/L			10/25/23 19:43	2.5
Sulfate, Dissolved	**1100**		2.5	1.9	mg/L			10/25/23 19:43	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0021**	**J**	0.015	0.00086	mg/L		10/25/23 07:40	10/26/23 02:47	1
Barium, Dissolved	**0.11**		0.025	0.00089	mg/L		10/25/23 07:40	10/26/23 02:47	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		10/25/23 07:40	10/26/23 02:47	1
Boron, Dissolved	**2.1**		0.50	0.022	mg/L		10/25/23 07:40	10/26/23 02:47	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		10/25/23 07:40	10/26/23 02:47	1
Calcium, Dissolved	**190**		2.5	0.14	mg/L		10/25/23 07:40	10/26/23 02:47	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		10/25/23 07:40	10/26/23 02:47	1
Cobalt, Dissolved	**0.00043**	**J**	0.013	0.00022	mg/L		10/25/23 07:40	10/26/23 02:47	1
Molybdenum, Dissolved	**0.0037**	**J**	0.075	0.00086	mg/L		10/25/23 07:40	10/26/23 02:47	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		10/25/23 07:40	10/26/23 02:47	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		10/25/23 07:40	10/26/23 02:47	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		10/25/23 07:40	10/26/23 02:47	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		10/25/23 07:40	10/26/23 02:47	1
Lithium, Dissolved	**0.072**		0.025	0.0020	mg/L		10/25/23 07:40	10/26/23 02:47	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/27/23 14:39	10/30/23 11:40	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**14000**		200	200	mg/L			10/23/23 18:09	1

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

Job ID: 180-164148-1

Client Sample ID: SW-9

Date Collected: 10/17/23 13:02
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-25

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9500**		25	18	mg/L			10/25/23 20:28	25
Fluoride	**0.27**	**J**	0.50	0.065	mg/L			10/25/23 20:13	2.5
Sulfate	**1400**		2.5	1.9	mg/L			10/25/23 20:13	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0028**	**J**	0.015	0.00086	mg/L		10/25/23 07:35	10/25/23 20:09	1
Barium	**0.092**		0.025	0.00089	mg/L		10/25/23 07:35	10/25/23 20:09	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 07:35	10/25/23 20:09	1
Boron	**2.3**		0.50	0.022	mg/L		10/25/23 07:35	10/25/23 20:09	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 07:35	10/25/23 20:09	1
Calcium	**220**		2.5	0.14	mg/L		10/25/23 07:35	10/25/23 20:09	1
Chromium	**0.0013**	**J**	0.025	0.0012	mg/L		10/25/23 07:35	10/25/23 20:09	1
Cobalt	**0.00054**	**J**	0.013	0.00022	mg/L		10/25/23 07:35	10/25/23 20:09	1
Molybdenum	**0.0047**	**J**	0.075	0.00086	mg/L		10/25/23 07:35	10/25/23 20:09	1
Lead	**0.00053**	**J**	0.013	0.00021	mg/L		10/25/23 07:35	10/25/23 20:09	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 07:35	10/25/23 20:09	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 07:35	10/25/23 20:09	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 07:35	10/25/23 20:09	1
Lithium	**0.086**		0.025	0.0020	mg/L		10/25/23 07:35	10/25/23 20:09	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/27/23 15:12	10/30/23 12:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**17000**		200	200	mg/L			10/23/23 18:09	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.90**				SU			10/17/23 13:02	1

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

Job ID: 180-164148-1

Client Sample ID: SW-9

Date Collected: 10/17/23 13:22
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-26

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**9600**		25	18	mg/L			10/25/23 20:57	25
Fluoride, Dissolved	**0.28**		0.25	0.065	mg/L			10/25/23 20:43	2.5
Sulfate, Dissolved	**1400**		2.5	1.9	mg/L			10/25/23 20:43	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0022**	**J**	0.015	0.00086	mg/L		10/25/23 07:40	10/26/23 02:51	1
Barium, Dissolved	**0.098**		0.025	0.00089	mg/L		10/25/23 07:40	10/26/23 02:51	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		10/25/23 07:40	10/26/23 02:51	1
Boron, Dissolved	**2.4**		0.50	0.022	mg/L		10/25/23 07:40	10/26/23 02:51	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		10/25/23 07:40	10/26/23 02:51	1
Calcium, Dissolved	**220**		2.5	0.14	mg/L		10/25/23 07:40	10/26/23 02:51	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		10/25/23 07:40	10/26/23 02:51	1
Cobalt, Dissolved	**0.00047**	**J**	0.013	0.00022	mg/L		10/25/23 07:40	10/26/23 02:51	1
Molybdenum, Dissolved	**0.0044**	**J**	0.075	0.00086	mg/L		10/25/23 07:40	10/26/23 02:51	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		10/25/23 07:40	10/26/23 02:51	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		10/25/23 07:40	10/26/23 02:51	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		10/25/23 07:40	10/26/23 02:51	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		10/25/23 07:40	10/26/23 02:51	1
Lithium, Dissolved	**0.084**		0.025	0.0020	mg/L		10/25/23 07:40	10/26/23 02:51	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/27/23 14:39	10/30/23 11:42	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**17000**		200	200	mg/L			10/23/23 18:09	1

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

Job ID: 180-164148-1

Client Sample ID: SW-10

Date Collected: 10/17/23 12:06
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-27

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8500**		25	18	mg/L			10/25/23 21:27	25
Fluoride	**0.22**	**J**	0.50	0.065	mg/L			10/25/23 21:12	2.5
Sulfate	**1100**		2.5	1.9	mg/L			10/25/23 21:12	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0024**	**J**	0.015	0.00086	mg/L		10/25/23 06:48	10/26/23 04:12	1
Barium	**0.10**		0.025	0.00089	mg/L		10/25/23 06:48	10/26/23 04:12	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 06:48	10/26/23 04:12	1
Boron	**1.9**		0.50	0.022	mg/L		10/25/23 06:48	10/26/23 04:12	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 06:48	10/26/23 04:12	1
Calcium	**170**		2.5	0.14	mg/L		10/25/23 06:48	10/26/23 04:12	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/25/23 06:48	10/26/23 04:12	1
Cobalt	**0.00060**	**J**	0.013	0.00022	mg/L		10/25/23 06:48	10/26/23 04:12	1
Molybdenum	**0.0035**	**J**	0.075	0.00086	mg/L		10/25/23 06:48	10/26/23 04:12	1
Lead	**0.00036**	**J**	0.013	0.00021	mg/L		10/25/23 06:48	10/26/23 04:12	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 06:48	10/26/23 04:12	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 06:48	10/26/23 04:12	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 06:48	10/26/23 04:12	1
Lithium	**0.068**		0.025	0.0020	mg/L		10/25/23 06:48	10/26/23 04:12	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/27/23 15:12	10/30/23 12:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**15000**		200	200	mg/L			10/24/23 14:07	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.82**				SU			10/17/23 12:06	1

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

Job ID: 180-164148-1

Client Sample ID: SW-10

Date Collected: 10/17/23 12:20
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-28

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**8200**	**^2**	25	18	mg/L			10/25/23 22:26	25
Fluoride, Dissolved	**0.23**	**J**	0.25	0.065	mg/L			10/25/23 22:11	2.5
Sulfate, Dissolved	**1100**		2.5	1.9	mg/L			10/25/23 22:11	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0019**	**J**	0.015	0.00086	mg/L		10/25/23 07:40	10/26/23 02:31	1
Barium, Dissolved	**0.094**		0.025	0.00089	mg/L		10/25/23 07:40	10/26/23 02:31	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		10/25/23 07:40	10/26/23 02:31	1
Boron, Dissolved	**1.9**		0.50	0.022	mg/L		10/25/23 07:40	10/26/23 02:31	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		10/25/23 07:40	10/26/23 02:31	1
Calcium, Dissolved	**180**		2.5	0.14	mg/L		10/25/23 07:40	10/26/23 02:31	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		10/25/23 07:40	10/26/23 02:31	1
Cobalt, Dissolved	**0.00035**	**J**	0.013	0.00022	mg/L		10/25/23 07:40	10/26/23 02:31	1
Molybdenum, Dissolved	**0.0034**	**J**	0.075	0.00086	mg/L		10/25/23 07:40	10/26/23 02:31	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		10/25/23 07:40	10/26/23 02:31	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		10/25/23 07:40	10/26/23 02:31	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		10/25/23 07:40	10/26/23 02:31	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		10/25/23 07:40	10/26/23 02:31	1
Lithium, Dissolved	**0.067**		0.025	0.0020	mg/L		10/25/23 07:40	10/26/23 02:31	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/27/23 14:39	10/30/23 11:44	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**16000**		200	200	mg/L			10/24/23 14:07	1

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

Job ID: 180-164148-1

Client Sample ID: SW-11

Date Collected: 10/17/23 11:31
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-29

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7800**	**^2**	25	18	mg/L			10/25/23 22:56	25
Fluoride	**0.21**	**J**	0.50	0.065	mg/L			10/25/23 22:41	2.5
Sulfate	**1000**		2.5	1.9	mg/L			10/25/23 22:41	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0024**	**J**	0.015	0.00086	mg/L		10/25/23 06:48	10/26/23 15:15	1
Barium	**0.12**		0.025	0.00089	mg/L		10/25/23 06:48	10/26/23 04:29	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 06:48	10/26/23 04:29	1
Boron	**2.1**		0.50	0.022	mg/L		10/25/23 06:48	10/26/23 04:29	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 06:48	10/26/23 04:29	1
Calcium	**180**		2.5	0.14	mg/L		10/25/23 06:48	10/26/23 04:29	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/25/23 06:48	10/26/23 15:15	1
Cobalt	**0.00062**	**J**	0.013	0.00022	mg/L		10/25/23 06:48	10/26/23 15:15	1
Molybdenum	**0.0034**	**J**	0.075	0.00086	mg/L		10/25/23 06:48	10/26/23 04:29	1
Lead	**0.00043**	**J**	0.013	0.00021	mg/L		10/25/23 06:48	10/26/23 04:29	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 06:48	10/26/23 04:29	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 06:48	10/26/23 04:29	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 06:48	10/26/23 04:29	1
Lithium	**0.072**		0.025	0.0020	mg/L		10/25/23 06:48	10/26/23 04:29	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/27/23 15:12	10/30/23 12:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**14000**		200	200	mg/L			10/24/23 14:07	1

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

Job ID: 180-164148-1

Client Sample ID: SW-12

Date Collected: 10/17/23 10:39
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-31

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16000**	**^2**	25	18	mg/L			10/26/23 09:52	25
Fluoride	**1.1**		0.50	0.065	mg/L			10/26/23 09:38	2.5
Sulfate	**2900**		25	19	mg/L			10/26/23 22:38	25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0025**	**J**	0.015	0.00086	mg/L		10/25/23 06:48	10/26/23 04:25	1
Barium	**0.11**		0.025	0.00089	mg/L		10/25/23 06:48	10/26/23 04:25	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 06:48	10/26/23 04:25	1
Boron	**1.9**		0.50	0.022	mg/L		10/25/23 06:48	10/26/23 04:25	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 06:48	10/26/23 04:25	1
Calcium	**160**		2.5	0.14	mg/L		10/25/23 06:48	10/26/23 04:25	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/25/23 06:48	10/26/23 04:25	1
Cobalt	**0.00060**	**J**	0.013	0.00022	mg/L		10/25/23 06:48	10/26/23 04:25	1
Molybdenum	**0.0034**	**J**	0.075	0.00086	mg/L		10/25/23 06:48	10/26/23 04:25	1
Lead	**0.00037**	**J**	0.013	0.00021	mg/L		10/25/23 06:48	10/26/23 04:25	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 06:48	10/26/23 04:25	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 06:48	10/26/23 04:25	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 06:48	10/26/23 04:25	1
Lithium	**0.065**		0.025	0.0020	mg/L		10/25/23 06:48	10/26/23 04:25	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/27/23 15:12	10/30/23 12:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**14000**		200	200	mg/L			10/24/23 14:07	1

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

Job ID: 180-164148-1

Client Sample ID: SW-12

Date Collected: 10/17/23 11:00
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-32

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**7600**		25	18	mg/L			10/26/23 13:05	25
Fluoride, Dissolved	**0.10**	**J**	0.25	0.065	mg/L			10/26/23 12:36	2.5
Sulfate, Dissolved	**1100**		2.5	1.9	mg/L			10/27/23 01:35	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0021**	**J**	0.015	0.00086	mg/L		10/25/23 07:40	10/26/23 02:43	1
Barium, Dissolved	**0.11**		0.025	0.00089	mg/L		10/25/23 07:40	10/26/23 02:43	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		10/25/23 07:40	10/26/23 02:43	1
Boron, Dissolved	**2.1**		0.50	0.022	mg/L		10/25/23 07:40	10/26/23 02:43	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		10/25/23 07:40	10/26/23 02:43	1
Calcium, Dissolved	**190**		2.5	0.14	mg/L		10/25/23 07:40	10/26/23 02:43	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		10/25/23 07:40	10/26/23 02:43	1
Cobalt, Dissolved	**0.00044**	**J**	0.013	0.00022	mg/L		10/25/23 07:40	10/26/23 02:43	1
Molybdenum, Dissolved	**0.0037**	**J**	0.075	0.00086	mg/L		10/25/23 07:40	10/26/23 02:43	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		10/25/23 07:40	10/26/23 02:43	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		10/25/23 07:40	10/26/23 02:43	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		10/25/23 07:40	10/26/23 02:43	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		10/25/23 07:40	10/26/23 02:43	1
Lithium, Dissolved	**0.073**		0.025	0.0020	mg/L		10/25/23 07:40	10/26/23 02:43	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/27/23 14:39	10/30/23 11:46	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**14000**		200	200	mg/L			10/24/23 14:07	1

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

Job ID: 180-164148-1

Client Sample ID: DUP-01

Date Collected: 10/17/23 09:39
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-33

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7900**	**^2**	25	18	mg/L			10/26/23 11:52	25
Fluoride	**0.093**	**J**	0.50	0.065	mg/L			10/26/23 11:37	2.5
Sulfate	**1100**		2.5	1.9	mg/L			10/27/23 01:21	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0019**	**J**	0.015	0.00086	mg/L		10/25/23 06:48	10/26/23 04:37	1
Barium	**0.10**		0.025	0.00089	mg/L		10/25/23 06:48	10/26/23 04:37	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 06:48	10/26/23 04:37	1
Boron	**1.8**		0.50	0.022	mg/L		10/25/23 06:48	10/26/23 04:37	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 06:48	10/26/23 04:37	1
Calcium	**160**		2.5	0.14	mg/L		10/25/23 06:48	10/26/23 04:37	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/25/23 06:48	10/26/23 04:37	1
Cobalt	**0.00057**	**J**	0.013	0.00022	mg/L		10/25/23 06:48	10/27/23 14:43	1
Molybdenum	**0.0028**	**J**	0.075	0.00086	mg/L		10/25/23 06:48	10/26/23 04:37	1
Lead	**0.00035**	**J**	0.013	0.00021	mg/L		10/25/23 06:48	10/26/23 04:37	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 06:48	10/26/23 04:37	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 06:48	10/26/23 04:37	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 06:48	10/26/23 04:37	1
Lithium	**0.060**		0.025	0.0020	mg/L		10/25/23 06:48	10/26/23 04:37	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/27/23 15:12	10/30/23 12:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**14000**		200	200	mg/L			10/24/23 14:07	1

Client Sample ID: DUP-01
Lab Sample ID: 180-164148-34

Date Collected: 10/17/23 10:00
Matrix: Water
Date Received: 10/19/23 09:20

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**7900**	**^2**	25	18	mg/L			10/26/23 11:22	25
Fluoride, Dissolved	**0.11**	**J**	0.25	0.065	mg/L			10/26/23 11:05	2.5
Sulfate, Dissolved	**1100**		2.5	1.9	mg/L			10/27/23 01:06	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0023**	**J**	0.015	0.00086	mg/L		10/25/23 07:40	10/26/23 01:58	1
Barium, Dissolved	**0.10**		0.025	0.00089	mg/L		10/25/23 07:40	10/26/23 01:58	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		10/25/23 07:40	10/26/23 01:58	1
Boron, Dissolved	**1.9**		0.50	0.022	mg/L		10/25/23 07:40	10/26/23 01:58	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		10/25/23 07:40	10/26/23 01:58	1
Calcium, Dissolved	**170**		2.5	0.14	mg/L		10/25/23 07:40	10/26/23 01:58	1
Chromium, Dissolved	**0.37**		0.025	0.0012	mg/L		10/25/23 07:40	10/26/23 01:58	1
Cobalt, Dissolved	**0.0029**	**J**	0.013	0.00022	mg/L		10/25/23 07:40	10/26/23 01:58	1
Molybdenum, Dissolved	**0.0081**	**J**	0.075	0.00086	mg/L		10/25/23 07:40	10/26/23 01:58	1
Lead, Dissolved	**0.00026**	**J**	0.013	0.00021	mg/L		10/25/23 07:40	10/26/23 01:58	1
Antimony, Dissolved	**0.00044**	**J**	0.025	0.00034	mg/L		10/25/23 07:40	10/26/23 01:58	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		10/25/23 07:40	10/26/23 01:58	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		10/25/23 07:40	10/26/23 01:58	1
Lithium, Dissolved	**0.067**		0.025	0.0020	mg/L		10/25/23 07:40	10/26/23 01:58	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/27/23 14:39	10/30/23 11:48	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**14000**		200	200	mg/L			10/24/23 14:07	1

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

Job ID: 180-164148-1

Client Sample ID: DUP-02

Date Collected: 10/17/23 10:53
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-35

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9400**	**^2**	25	18	mg/L			10/26/23 10:51	25
Fluoride	**0.11**	**J**	0.50	0.065	mg/L			10/26/23 10:36	2.5
Sulfate	**1200**		2.5	1.9	mg/L			10/26/23 23:08	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0023**	**J**	0.015	0.00086	mg/L		10/25/23 06:48	10/26/23 15:19	1
Barium	**0.11**		0.025	0.00089	mg/L		10/25/23 06:48	10/26/23 04:33	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 06:48	10/26/23 04:33	1
Boron	**2.0**		0.50	0.022	mg/L		10/25/23 06:48	10/26/23 04:33	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 06:48	10/26/23 04:33	1
Calcium	**170**		2.5	0.14	mg/L		10/25/23 06:48	10/26/23 04:33	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/25/23 06:48	10/26/23 15:19	1
Cobalt	**0.00058**	**J**	0.013	0.00022	mg/L		10/25/23 06:48	10/26/23 15:19	1
Molybdenum	**0.0032**	**J**	0.075	0.00086	mg/L		10/25/23 06:48	10/26/23 04:33	1
Lead	**0.00049**	**J**	0.013	0.00021	mg/L		10/25/23 06:48	10/26/23 04:33	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 06:48	10/26/23 04:33	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 06:48	10/26/23 04:33	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 06:48	10/26/23 04:33	1
Lithium	**0.066**		0.025	0.0020	mg/L		10/25/23 06:48	10/26/23 04:33	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/27/23 15:12	10/30/23 12:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**15000**		200	200	mg/L			10/24/23 14:07	1

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

Job ID: 180-164148-1

Client Sample ID: DUP-02

Date Collected: 10/17/23 11:22
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-36

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**8400**	**^2**	25	18	mg/L			10/26/23 10:21	25
Fluoride, Dissolved	<0.065		0.25	0.065	mg/L			10/26/23 10:06	2.5
Sulfate, Dissolved	**1100**		2.5	1.9	mg/L			10/26/23 22:53	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0023**	**J**	0.015	0.00086	mg/L		10/25/23 07:40	10/26/23 02:19	1
Barium, Dissolved	**0.10**		0.025	0.00089	mg/L		10/25/23 07:40	10/26/23 02:19	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		10/25/23 07:40	10/26/23 02:19	1
Boron, Dissolved	**2.1**		0.50	0.022	mg/L		10/25/23 07:40	10/26/23 02:19	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		10/25/23 07:40	10/26/23 02:19	1
Calcium, Dissolved	**190**		2.5	0.14	mg/L		10/25/23 07:40	10/26/23 02:19	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		10/25/23 07:40	10/26/23 02:19	1
Cobalt, Dissolved	**0.00043**	**J**	0.013	0.00022	mg/L		10/25/23 07:40	10/26/23 02:19	1
Molybdenum, Dissolved	**0.0038**	**J**	0.075	0.00086	mg/L		10/25/23 07:40	10/26/23 02:19	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		10/25/23 07:40	10/26/23 02:19	1
Antimony, Dissolved	**0.00035**	**J**	0.025	0.00034	mg/L		10/25/23 07:40	10/26/23 02:19	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		10/25/23 07:40	10/26/23 02:19	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		10/25/23 07:40	10/26/23 02:19	1
Lithium, Dissolved	**0.074**		0.025	0.0020	mg/L		10/25/23 07:40	10/26/23 02:19	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/27/23 14:39	10/30/23 11:54	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**15000**		200	200	mg/L			10/24/23 14:07	1

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

Job ID: 180-164148-1

Client Sample ID: EB-01

Date Collected: 10/17/23 08:15
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-37

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/25/23 01:55	1
Fluoride	<0.026		0.20	0.026	mg/L			10/25/23 01:55	1
Sulfate	<0.76		1.0	0.76	mg/L			10/25/23 01:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/25/23 06:36	10/25/23 22:23	1
Barium	<0.00089		0.025	0.00089	mg/L		10/25/23 06:36	10/25/23 22:23	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 06:36	10/25/23 22:23	1
Boron	<0.022		0.50	0.022	mg/L		10/25/23 06:36	10/26/23 14:54	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 06:36	10/25/23 22:23	1
Calcium	<0.14		2.5	0.14	mg/L		10/25/23 06:36	10/25/23 22:23	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/25/23 06:36	10/25/23 22:23	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/25/23 06:36	10/25/23 22:23	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/25/23 06:36	10/25/23 22:23	1
Lead	<0.00021		0.013	0.00021	mg/L		10/25/23 06:36	10/25/23 22:23	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 06:36	10/25/23 22:23	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 06:36	10/25/23 22:23	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 06:36	10/25/23 22:23	1
Lithium	<0.0020		0.025	0.0020	mg/L		10/25/23 06:36	10/25/23 22:23	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/27/23 15:12	10/30/23 12:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10		10	10	mg/L			10/24/23 14:07	1

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

Job ID: 180-164148-1

Client Sample ID: FB-01

Date Collected: 10/17/23 08:10
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-38

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/25/23 02:50	1
Fluoride	<0.026		0.20	0.026	mg/L			10/25/23 02:50	1
Sulfate	<0.76		1.0	0.76	mg/L			10/25/23 02:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/25/23 06:36	10/25/23 22:27	1
Barium	<0.00089		0.025	0.00089	mg/L		10/25/23 06:36	10/25/23 22:27	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 06:36	10/25/23 22:27	1
Boron	<0.022		0.50	0.022	mg/L		10/25/23 06:36	10/26/23 14:58	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 06:36	10/25/23 22:27	1
Calcium	<0.14		2.5	0.14	mg/L		10/25/23 06:36	10/25/23 22:27	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/25/23 06:36	10/25/23 22:27	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/25/23 06:36	10/25/23 22:27	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/25/23 06:36	10/25/23 22:27	1
Lead	<0.00021		0.013	0.00021	mg/L		10/25/23 06:36	10/25/23 22:27	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 06:36	10/25/23 22:27	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 06:36	10/25/23 22:27	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 06:36	10/25/23 22:27	1
Lithium	<0.0020		0.025	0.0020	mg/L		10/25/23 06:36	10/25/23 22:27	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/27/23 15:12	10/30/23 12:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10		10	10	mg/L			10/24/23 14:07	1

Client Sample ID: SW-6
Lab Sample ID: 180-164520-1

Date Collected: 10/25/23 16:25
Matrix: Water

Date Received: 10/27/23 09:10

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9800**	**^2**	25	18	mg/L			10/28/23 20:44	25
Fluoride	**0.55**		0.50	0.065	mg/L			10/28/23 20:30	2.5
Sulfate	**1400**		2.5	1.9	mg/L			10/28/23 20:30	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0025**	**J**	0.015	0.00086	mg/L		11/01/23 05:41	11/02/23 02:10	1
Barium	**0.083**		0.025	0.00089	mg/L		11/01/23 05:41	11/02/23 02:10	1
Beryllium	<0.00020		0.013	0.00020	mg/L		11/01/23 05:41	11/02/23 02:10	1
Boron	**2.3**		1.0	0.044	mg/L		11/01/23 05:41	11/02/23 11:31	2
Cadmium	<0.000078		0.013	0.000078	mg/L		11/01/23 05:41	11/02/23 02:10	1
Calcium	**200**		2.5	0.14	mg/L		11/01/23 05:41	11/02/23 02:10	1
Chromium	<0.0012		0.025	0.0012	mg/L		11/01/23 05:41	11/02/23 02:10	1
Cobalt	**0.00041**	**J**	0.013	0.00022	mg/L		11/01/23 05:41	11/02/23 02:10	1
Molybdenum	**0.0042**	**J**	0.075	0.00086	mg/L		11/01/23 05:41	11/02/23 02:10	1
Lead	**0.00025**	**J**	0.013	0.00021	mg/L		11/01/23 05:41	11/02/23 02:10	1
Antimony	<0.00034		0.025	0.00034	mg/L		11/01/23 05:41	11/02/23 02:10	1
Selenium	<0.00099		0.013	0.00099	mg/L		11/01/23 05:41	11/02/23 02:10	1
Thallium	<0.00026		0.0050	0.00026	mg/L		11/01/23 05:41	11/02/23 02:10	1
Lithium	**0.079**		0.050	0.0040	mg/L		11/01/23 05:41	11/02/23 11:31	2

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/31/23 13:05	11/01/23 13:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**18000**		200	200	mg/L			10/31/23 15:58	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.91**				SU			10/25/23 16:25	1

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

Job ID: 180-164148-1

Client Sample ID: SW-6

Date Collected: 10/25/23 16:30
Date Received: 10/27/23 09:10

Lab Sample ID: 180-164520-2

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**9800**		25	18	mg/L			10/28/23 22:57	25
Fluoride, Dissolved	**0.59**		0.25	0.065	mg/L			10/28/23 22:43	2.5
Sulfate, Dissolved	**1400**		2.5	1.9	mg/L			10/28/23 22:43	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0021**	**J**	0.015	0.00086	mg/L		11/01/23 06:53	11/01/23 16:23	1
Barium, Dissolved	**0.088**		0.025	0.00089	mg/L		11/01/23 06:53	11/01/23 16:23	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		11/01/23 06:53	11/01/23 16:23	1
Boron, Dissolved	**2.1**		2.0	0.088	mg/L		11/01/23 06:53	11/02/23 13:52	4
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		11/01/23 06:53	11/01/23 16:23	1
Calcium, Dissolved	**220**		2.5	0.14	mg/L		11/01/23 06:53	11/01/23 16:23	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		11/01/23 06:53	11/01/23 16:23	1
Cobalt, Dissolved	**0.00038**	**J**	0.013	0.00022	mg/L		11/01/23 06:53	11/01/23 16:23	1
Molybdenum, Dissolved	**0.0044**	**J**	0.075	0.00086	mg/L		11/01/23 06:53	11/01/23 16:23	1
Lead, Dissolved	**0.00075**	**J B**	0.013	0.00021	mg/L		11/01/23 06:53	11/01/23 16:23	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		11/01/23 06:53	11/01/23 16:23	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		11/01/23 06:53	11/01/23 16:23	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		11/01/23 06:53	11/01/23 16:23	1
Lithium, Dissolved	**0.075**		0.025	0.0020	mg/L		11/01/23 06:53	11/01/23 16:23	1

Method: SW846 EPA 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.13		0.20	0.13	ug/L		10/31/23 13:05	11/01/23 13:21	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**17000**		200	200	mg/L			10/31/23 15:58	1

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

Job ID: 180-164148-1

Client Sample ID: SW-6

Date Collected: 10/25/23 17:01
Date Received: 10/27/23 09:10

Lab Sample ID: 180-164520-3

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10000**		25	18	mg/L			10/28/23 23:27	25
Fluoride	**0.54**		0.50	0.065	mg/L			10/28/23 23:12	2.5
Sulfate	**1400**		2.5	1.9	mg/L			10/28/23 23:12	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0028**	**J**	0.015	0.00086	mg/L		11/01/23 05:41	11/01/23 20:19	1
Barium	**0.085**		0.025	0.00089	mg/L		11/01/23 05:41	11/01/23 20:19	1
Beryllium	<0.00020		0.013	0.00020	mg/L		11/01/23 05:41	11/01/23 20:19	1
Boron	**2.3**		1.0	0.044	mg/L		11/01/23 05:41	11/02/23 15:18	2
Cadmium	<0.000078		0.013	0.000078	mg/L		11/01/23 05:41	11/01/23 20:19	1
Calcium	**210**		2.5	0.14	mg/L		11/01/23 05:41	11/01/23 20:19	1
Chromium	<0.0012		0.025	0.0012	mg/L		11/01/23 05:41	11/01/23 20:19	1
Cobalt	**0.00054**	**J**	0.013	0.00022	mg/L		11/01/23 05:41	11/01/23 20:19	1
Molybdenum	**0.0045**	**J**	0.075	0.00086	mg/L		11/01/23 05:41	11/01/23 20:19	1
Lead	**0.00043**	**J**	0.013	0.00021	mg/L		11/01/23 05:41	11/01/23 20:19	1
Antimony	<0.00034		0.025	0.00034	mg/L		11/01/23 05:41	11/01/23 20:19	1
Selenium	<0.00099		0.013	0.00099	mg/L		11/01/23 05:41	11/01/23 20:19	1
Thallium	<0.00026		0.0050	0.00026	mg/L		11/01/23 05:41	11/01/23 20:19	1
Lithium	**0.083**		0.050	0.0040	mg/L		11/01/23 05:41	11/02/23 15:18	2

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/31/23 13:05	11/01/23 13:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**18000**		200	200	mg/L			10/31/23 15:58	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.87**				SU			10/25/23 17:01	1

Client Sample ID: SW-6
Lab Sample ID: 180-164520-4

Date Collected: 10/25/23 17:20
Matrix: Water

Date Received: 10/27/23 09:10

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**10000**		25	18	mg/L			10/28/23 23:56	25
Fluoride, Dissolved	**0.51**		0.25	0.065	mg/L			10/28/23 23:42	2.5
Sulfate, Dissolved	**1300**		2.5	1.9	mg/L			10/28/23 23:42	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0020**	**J**	0.015	0.00086	mg/L		11/01/23 06:53	11/01/23 15:44	1
Barium, Dissolved	**0.086**		0.025	0.00089	mg/L		11/01/23 06:53	11/01/23 15:44	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		11/01/23 06:53	11/01/23 15:44	1
Boron, Dissolved	**2.1**		2.0	0.088	mg/L		11/01/23 06:53	11/02/23 13:04	4
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		11/01/23 06:53	11/01/23 15:44	1
Calcium, Dissolved	**210**		2.5	0.14	mg/L		11/01/23 06:53	11/01/23 15:44	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		11/01/23 06:53	11/01/23 15:44	1
Cobalt, Dissolved	**0.00027**	**J**	0.013	0.00022	mg/L		11/01/23 06:53	11/01/23 15:44	1
Molybdenum, Dissolved	**0.0044**	**J**	0.075	0.00086	mg/L		11/01/23 06:53	11/01/23 15:44	1
Lead, Dissolved	**0.0011**	**J B**	0.013	0.00021	mg/L		11/01/23 06:53	11/01/23 15:44	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		11/01/23 06:53	11/01/23 15:44	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		11/01/23 06:53	11/01/23 15:44	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		11/01/23 06:53	11/01/23 15:44	1
Lithium, Dissolved	**0.068**		0.025	0.0020	mg/L		11/01/23 06:53	11/01/23 15:44	1

Method: SW846 EPA 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.13		0.20	0.13	ug/L		10/31/23 13:05	11/01/23 13:24	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**18000**		200	200	mg/L			10/31/23 15:58	1

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

Job ID: 180-164148-1

Client Sample ID: SW-11

Date Collected: 10/25/23 15:13
Date Received: 10/27/23 09:10

Lab Sample ID: 180-164520-5

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10000		25	18	mg/L			10/29/23 00:56	25
Fluoride	0.47	J	0.50	0.065	mg/L			10/29/23 00:41	2.5
Sulfate	1300		2.5	1.9	mg/L			10/29/23 00:41	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0034	J	0.015	0.00086	mg/L		11/01/23 05:41	11/01/23 20:22	1
Barium	0.094		0.025	0.00089	mg/L		11/01/23 05:41	11/01/23 20:22	1
Beryllium	<0.00020		0.013	0.00020	mg/L		11/01/23 05:41	11/01/23 20:22	1
Boron	2.2		1.0	0.044	mg/L		11/01/23 05:41	11/02/23 15:22	2
Cadmium	<0.000078		0.013	0.000078	mg/L		11/01/23 05:41	11/01/23 20:22	1
Calcium	220		2.5	0.14	mg/L		11/01/23 05:41	11/01/23 20:22	1
Chromium	<0.0012		0.025	0.0012	mg/L		11/01/23 05:41	11/01/23 20:22	1
Cobalt	0.00057	J	0.013	0.00022	mg/L		11/01/23 05:41	11/01/23 20:22	1
Molybdenum	0.0045	J	0.075	0.00086	mg/L		11/01/23 05:41	11/01/23 20:22	1
Lead	0.00048	J	0.013	0.00021	mg/L		11/01/23 05:41	11/01/23 20:22	1
Antimony	<0.00034		0.025	0.00034	mg/L		11/01/23 05:41	11/01/23 20:22	1
Selenium	<0.00099		0.013	0.00099	mg/L		11/01/23 05:41	11/01/23 20:22	1
Thallium	<0.00026		0.0050	0.00026	mg/L		11/01/23 05:41	11/01/23 20:22	1
Lithium	0.074		0.050	0.0040	mg/L		11/01/23 05:41	11/02/23 15:22	2

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/31/23 13:05	11/01/23 13:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	18000		200	200	mg/L			10/31/23 15:58	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.84				SU			10/25/23 15:13	1

Client Sample ID: SW-11
Lab Sample ID: 180-164520-6

Date Collected: 10/25/23 15:30
Matrix: Water

Date Received: 10/27/23 09:10

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**9800**		25	18	mg/L			10/29/23 01:25	25
Fluoride, Dissolved	**0.55**		0.25	0.065	mg/L			10/29/23 01:10	2.5
Sulfate, Dissolved	**1300**		2.5	1.9	mg/L			10/29/23 01:10	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0025**	**J**	0.015	0.00086	mg/L		11/01/23 06:53	11/01/23 15:53	1
Barium, Dissolved	**0.082**		0.025	0.00089	mg/L		11/01/23 06:53	11/01/23 15:53	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		11/01/23 06:53	11/01/23 15:53	1
Boron, Dissolved	**2.1**		2.0	0.088	mg/L		11/01/23 06:53	11/02/23 13:16	4
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		11/01/23 06:53	11/01/23 15:53	1
Calcium, Dissolved	**190**		2.5	0.14	mg/L		11/01/23 06:53	11/01/23 15:53	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		11/01/23 06:53	11/01/23 15:53	1
Cobalt, Dissolved	**0.00037**	**J**	0.013	0.00022	mg/L		11/01/23 06:53	11/01/23 15:53	1
Molybdenum, Dissolved	**0.0039**	**J**	0.075	0.00086	mg/L		11/01/23 06:53	11/01/23 15:53	1
Lead, Dissolved	**0.0014**	**J B**	0.013	0.00021	mg/L		11/01/23 06:53	11/01/23 15:53	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		11/01/23 06:53	11/01/23 15:53	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		11/01/23 06:53	11/01/23 15:53	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		11/01/23 06:53	11/01/23 15:53	1
Lithium, Dissolved	**0.079**		0.025	0.0020	mg/L		11/01/23 06:53	11/01/23 15:53	1

Method: SW846 EPA 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.13		0.20	0.13	ug/L		10/31/23 13:05	11/01/23 13:26	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**17000**		200	200	mg/L			10/31/23 15:58	1

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

Job ID: 180-164148-1

Client Sample ID: SW-13

Date Collected: 10/25/23 14:37
Date Received: 10/27/23 09:10

Lab Sample ID: 180-164520-7

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10000		25	18	mg/L			10/29/23 01:55	25
Fluoride	0.50		0.50	0.065	mg/L			10/29/23 01:40	2.5
Sulfate	1400		2.5	1.9	mg/L			10/29/23 01:40	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0021	J	0.015	0.00086	mg/L		11/01/23 05:41	11/01/23 20:28	1
Barium	0.093		0.025	0.00089	mg/L		11/01/23 05:41	11/01/23 20:28	1
Beryllium	<0.00020		0.013	0.00020	mg/L		11/01/23 05:41	11/01/23 20:28	1
Boron	2.3		1.0	0.044	mg/L		11/01/23 05:41	11/02/23 15:31	2
Cadmium	<0.000078		0.013	0.000078	mg/L		11/01/23 05:41	11/01/23 20:28	1
Calcium	210		2.5	0.14	mg/L		11/01/23 05:41	11/01/23 20:28	1
Chromium	<0.0012		0.025	0.0012	mg/L		11/01/23 05:41	11/01/23 20:28	1
Cobalt	0.00038	J	0.013	0.00022	mg/L		11/01/23 05:41	11/01/23 20:28	1
Molybdenum	0.0040	J	0.075	0.00086	mg/L		11/01/23 05:41	11/01/23 20:28	1
Lead	0.00026	J	0.013	0.00021	mg/L		11/01/23 05:41	11/01/23 20:28	1
Antimony	<0.00034		0.025	0.00034	mg/L		11/01/23 05:41	11/01/23 20:28	1
Selenium	<0.00099		0.013	0.00099	mg/L		11/01/23 05:41	11/01/23 20:28	1
Thallium	<0.00026		0.0050	0.00026	mg/L		11/01/23 05:41	11/01/23 20:28	1
Lithium	0.085		0.050	0.0040	mg/L		11/01/23 05:41	11/02/23 15:31	2

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/31/23 13:05	11/01/23 13:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	18000		200	200	mg/L			10/31/23 15:58	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.16				SU			10/25/23 14:37	1

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

Job ID: 180-164148-1

Client Sample ID: SW-13

Date Collected: 10/25/23 14:50
Date Received: 10/27/23 09:10

Lab Sample ID: 180-164520-8

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**10000**		25	18	mg/L			10/29/23 02:24	25
Fluoride, Dissolved	**0.52**		0.25	0.065	mg/L			10/29/23 02:10	2.5
Sulfate, Dissolved	**1500**		2.5	1.9	mg/L			10/29/23 02:10	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0021**	**J**	0.015	0.00086	mg/L		11/01/23 06:53	11/01/23 15:56	1
Barium, Dissolved	**0.097**		0.025	0.00089	mg/L		11/01/23 06:53	11/01/23 15:56	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		11/01/23 06:53	11/01/23 15:56	1
Boron, Dissolved	**2.3**		2.0	0.088	mg/L		11/01/23 06:53	11/02/23 13:20	4
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		11/01/23 06:53	11/01/23 15:56	1
Calcium, Dissolved	**230**		2.5	0.14	mg/L		11/01/23 06:53	11/01/23 15:56	1
Chromium, Dissolved	**0.0012**	**J**	0.025	0.0012	mg/L		11/01/23 06:53	11/01/23 15:56	1
Cobalt, Dissolved	**0.00032**	**J**	0.013	0.00022	mg/L		11/01/23 06:53	11/01/23 15:56	1
Molybdenum, Dissolved	**0.0039**	**J**	0.075	0.00086	mg/L		11/01/23 06:53	11/01/23 15:56	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		11/01/23 06:53	11/01/23 15:56	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		11/01/23 06:53	11/01/23 15:56	1
Selenium, Dissolved	**0.0012**	**J**	0.013	0.00099	mg/L		11/01/23 06:53	11/01/23 15:56	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		11/01/23 06:53	11/01/23 15:56	1
Lithium, Dissolved	**0.084**		0.025	0.0020	mg/L		11/01/23 06:53	11/01/23 15:56	1

Method: SW846 EPA 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.13		0.20	0.13	ug/L		10/31/23 13:05	11/01/23 13:31	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**18000**		200	200	mg/L			10/31/23 15:58	1

Client Sample ID: SW-14
Lab Sample ID: 180-164520-9

Date Collected: 10/25/23 13:16
Matrix: Water

Date Received: 10/27/23 09:10

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12000**		25	18	mg/L			10/28/23 16:14	25
Fluoride	**0.28**	**J**	0.50	0.065	mg/L			10/28/23 16:00	2.5
Sulfate	**1400**		2.5	1.9	mg/L			10/28/23 16:00	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0032**	**J**	0.015	0.00086	mg/L		11/01/23 05:41	11/01/23 20:31	1
Barium	**0.086**		0.025	0.00089	mg/L		11/01/23 05:41	11/01/23 20:31	1
Beryllium	<0.00020		0.013	0.00020	mg/L		11/01/23 05:41	11/01/23 20:31	1
Boron	**2.3**		1.0	0.044	mg/L		11/01/23 05:41	11/02/23 15:35	2
Cadmium	<0.000078		0.013	0.000078	mg/L		11/01/23 05:41	11/01/23 20:31	1
Calcium	**220**		2.5	0.14	mg/L		11/01/23 05:41	11/01/23 20:31	1
Chromium	<0.0012		0.025	0.0012	mg/L		11/01/23 05:41	11/01/23 20:31	1
Cobalt	**0.00044**	**J**	0.013	0.00022	mg/L		11/01/23 05:41	11/01/23 20:31	1
Molybdenum	**0.0043**	**J**	0.075	0.00086	mg/L		11/01/23 05:41	11/01/23 20:31	1
Lead	**0.00029**	**J**	0.013	0.00021	mg/L		11/01/23 05:41	11/01/23 20:31	1
Antimony	<0.00034		0.025	0.00034	mg/L		11/01/23 05:41	11/01/23 20:31	1
Selenium	<0.00099		0.013	0.00099	mg/L		11/01/23 05:41	11/01/23 20:31	1
Thallium	<0.00026		0.0050	0.00026	mg/L		11/01/23 05:41	11/01/23 20:31	1
Lithium	**0.083**		0.050	0.0040	mg/L		11/01/23 05:41	11/02/23 15:35	2

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/31/23 13:05	11/01/23 13:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**18000**		200	200	mg/L			10/31/23 16:17	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.71**				SU			10/25/23 13:16	1

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

Job ID: 180-164148-1

Client Sample ID: SW-14

Date Collected: 10/25/23 13:35
Date Received: 10/27/23 09:10

Lab Sample ID: 180-164520-10

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**12000**		25	18	mg/L			10/28/23 16:42	25
Fluoride, Dissolved	**0.27**		0.25	0.065	mg/L			10/28/23 16:28	2.5
Sulfate, Dissolved	**1500**		2.5	1.9	mg/L			10/28/23 16:28	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0029**	**J**	0.015	0.00086	mg/L		11/01/23 06:53	11/01/23 15:59	1
Barium, Dissolved	**0.086**		0.025	0.00089	mg/L		11/01/23 06:53	11/01/23 15:59	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		11/01/23 06:53	11/01/23 15:59	1
Boron, Dissolved	**2.2**		2.0	0.088	mg/L		11/01/23 06:53	11/02/23 13:24	4
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		11/01/23 06:53	11/01/23 15:59	1
Calcium, Dissolved	**220**		2.5	0.14	mg/L		11/01/23 06:53	11/01/23 15:59	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		11/01/23 06:53	11/01/23 15:59	1
Cobalt, Dissolved	**0.00030**	**J**	0.013	0.00022	mg/L		11/01/23 06:53	11/01/23 15:59	1
Molybdenum, Dissolved	**0.0042**	**J**	0.075	0.00086	mg/L		11/01/23 06:53	11/01/23 15:59	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		11/01/23 06:53	11/01/23 15:59	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		11/01/23 06:53	11/01/23 15:59	1
Selenium, Dissolved	**0.0015**	**J**	0.013	0.00099	mg/L		11/01/23 06:53	11/01/23 15:59	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		11/01/23 06:53	11/01/23 15:59	1
Lithium, Dissolved	**0.097**		0.025	0.0020	mg/L		11/01/23 06:53	11/01/23 15:59	1

Method: SW846 EPA 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.13		0.20	0.13	ug/L		10/31/23 13:05	11/01/23 13:33	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**18000**		200	200	mg/L			10/31/23 16:17	1

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

Job ID: 180-164148-1

Client Sample ID: SW-15

Date Collected: 10/25/23 13:56
Date Received: 10/27/23 09:10

Lab Sample ID: 180-164520-11

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12000**		25	18	mg/L			10/28/23 18:22	25
Fluoride	**0.27**	**J**	0.50	0.065	mg/L			10/28/23 18:09	2.5
Sulfate	**1600**		2.5	1.9	mg/L			10/28/23 18:09	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0037**	**J**	0.015	0.00086	mg/L		11/01/23 05:41	11/01/23 20:34	1
Barium	**0.087**		0.025	0.00089	mg/L		11/01/23 05:41	11/01/23 20:34	1
Beryllium	<0.00020		0.013	0.00020	mg/L		11/01/23 05:41	11/01/23 20:34	1
Boron	**2.3**		1.0	0.044	mg/L		11/01/23 05:41	11/02/23 15:47	2
Cadmium	<0.000078		0.013	0.000078	mg/L		11/01/23 05:41	11/01/23 20:34	1
Calcium	**220**		2.5	0.14	mg/L		11/01/23 05:41	11/01/23 20:34	1
Chromium	<0.0012		0.025	0.0012	mg/L		11/01/23 05:41	11/01/23 20:34	1
Cobalt	**0.00051**	**J**	0.013	0.00022	mg/L		11/01/23 05:41	11/01/23 20:34	1
Molybdenum	**0.0043**	**J**	0.075	0.00086	mg/L		11/01/23 05:41	11/01/23 20:34	1
Lead	**0.00027**	**J**	0.013	0.00021	mg/L		11/01/23 05:41	11/01/23 20:34	1
Antimony	<0.00034		0.025	0.00034	mg/L		11/01/23 05:41	11/01/23 20:34	1
Selenium	<0.00099		0.013	0.00099	mg/L		11/01/23 05:41	11/01/23 20:34	1
Thallium	<0.00026		0.0050	0.00026	mg/L		11/01/23 05:41	11/01/23 20:34	1
Lithium	**0.081**		0.050	0.0040	mg/L		11/01/23 05:41	11/02/23 15:47	2

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/31/23 13:05	11/01/23 13:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**19000**		200	200	mg/L			10/31/23 16:17	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**4.45**				SU			10/25/23 13:56	1

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

Job ID: 180-164148-1

Client Sample ID: SW-15

Date Collected: 10/25/23 14:08
Date Received: 10/27/23 09:10

Lab Sample ID: 180-164520-12

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**11000**		25	18	mg/L			10/28/23 18:50	25
Fluoride, Dissolved	**0.25**		0.25	0.065	mg/L			10/28/23 18:36	2.5
Sulfate, Dissolved	**1500**		2.5	1.9	mg/L			10/28/23 18:36	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0027**	**J**	0.015	0.00086	mg/L		11/01/23 06:53	11/01/23 16:02	1
Barium, Dissolved	**0.090**		0.025	0.00089	mg/L		11/01/23 06:53	11/01/23 16:02	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		11/01/23 06:53	11/01/23 16:02	1
Boron, Dissolved	**2.3**		2.0	0.088	mg/L		11/01/23 06:53	11/02/23 13:28	4
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		11/01/23 06:53	11/01/23 16:02	1
Calcium, Dissolved	**230**		2.5	0.14	mg/L		11/01/23 06:53	11/01/23 16:02	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		11/01/23 06:53	11/01/23 16:02	1
Cobalt, Dissolved	**0.00035**	**J**	0.013	0.00022	mg/L		11/01/23 06:53	11/01/23 16:02	1
Molybdenum, Dissolved	**0.0046**	**J**	0.075	0.00086	mg/L		11/01/23 06:53	11/01/23 16:02	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		11/01/23 06:53	11/01/23 16:02	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		11/01/23 06:53	11/01/23 16:02	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		11/01/23 06:53	11/01/23 16:02	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		11/01/23 06:53	11/01/23 16:02	1
Lithium, Dissolved	**0.098**		0.025	0.0020	mg/L		11/01/23 06:53	11/01/23 16:02	1

Method: SW846 EPA 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.13		0.20	0.13	ug/L		10/31/23 13:05	11/01/23 13:35	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**18000**		200	200	mg/L			10/31/23 16:17	1

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

Job ID: 180-164148-1

Client Sample ID: SW-16

Date Collected: 10/25/23 12:11
Date Received: 10/27/23 09:10

Lab Sample ID: 180-164520-13

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11000		25	18	mg/L			10/28/23 19:19	25
Fluoride	0.25	J	0.50	0.065	mg/L			10/28/23 19:04	2.5
Sulfate	1500		2.5	1.9	mg/L			10/28/23 19:04	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0022	J	0.015	0.00086	mg/L		11/01/23 05:41	11/01/23 20:37	1
Barium	0.085		0.025	0.00089	mg/L		11/01/23 05:41	11/01/23 20:37	1
Beryllium	<0.00020		0.013	0.00020	mg/L		11/01/23 05:41	11/01/23 20:37	1
Boron	2.4		1.0	0.044	mg/L		11/01/23 05:41	11/02/23 15:51	2
Cadmium	<0.000078		0.013	0.000078	mg/L		11/01/23 05:41	11/01/23 20:37	1
Calcium	210		2.5	0.14	mg/L		11/01/23 05:41	11/01/23 20:37	1
Chromium	<0.0012		0.025	0.0012	mg/L		11/01/23 05:41	11/01/23 20:37	1
Cobalt	0.00044	J	0.013	0.00022	mg/L		11/01/23 05:41	11/01/23 20:37	1
Molybdenum	0.0042	J	0.075	0.00086	mg/L		11/01/23 05:41	11/01/23 20:37	1
Lead	0.00027	J	0.013	0.00021	mg/L		11/01/23 05:41	11/01/23 20:37	1
Antimony	<0.00034		0.025	0.00034	mg/L		11/01/23 05:41	11/01/23 20:37	1
Selenium	<0.00099		0.013	0.00099	mg/L		11/01/23 05:41	11/01/23 20:37	1
Thallium	<0.00026		0.0050	0.00026	mg/L		11/01/23 05:41	11/01/23 20:37	1
Lithium	0.080		0.050	0.0040	mg/L		11/01/23 05:41	11/02/23 15:51	2

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/31/23 13:05	11/01/23 13:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	19000		200	200	mg/L			10/31/23 16:17	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.27				SU			10/25/23 12:11	1

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

Job ID: 180-164148-1

Client Sample ID: SW-16

Date Collected: 10/25/23 12:30
Date Received: 10/27/23 09:10

Lab Sample ID: 180-164520-14

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**11000**		25	18	mg/L			10/28/23 19:48	25
Fluoride, Dissolved	**0.25**		0.25	0.065	mg/L			10/28/23 19:34	2.5
Sulfate, Dissolved	**1500**		2.5	1.9	mg/L			10/28/23 19:34	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0026**	**J**	0.015	0.00086	mg/L		11/01/23 06:53	11/01/23 16:14	1
Barium, Dissolved	**0.088**		0.025	0.00089	mg/L		11/01/23 06:53	11/01/23 16:14	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		11/01/23 06:53	11/01/23 16:14	1
Boron, Dissolved	**2.4**		2.0	0.088	mg/L		11/01/23 06:53	11/02/23 13:32	4
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		11/01/23 06:53	11/01/23 16:14	1
Calcium, Dissolved	**220**		2.5	0.14	mg/L		11/01/23 06:53	11/01/23 16:14	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		11/01/23 06:53	11/01/23 16:14	1
Cobalt, Dissolved	**0.00040**	**J**	0.013	0.00022	mg/L		11/01/23 06:53	11/01/23 16:14	1
Molybdenum, Dissolved	**0.0044**	**J**	0.075	0.00086	mg/L		11/01/23 06:53	11/01/23 16:14	1
Lead, Dissolved	**0.00074**	**J B**	0.013	0.00021	mg/L		11/01/23 06:53	11/01/23 16:14	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		11/01/23 06:53	11/01/23 16:14	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		11/01/23 06:53	11/01/23 16:14	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		11/01/23 06:53	11/01/23 16:14	1
Lithium, Dissolved	**0.094**		0.025	0.0020	mg/L		11/01/23 06:53	11/01/23 16:14	1

Method: SW846 EPA 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.13		0.20	0.13	ug/L		10/31/23 13:05	11/01/23 13:37	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**19000**		200	200	mg/L			10/31/23 16:17	1

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

Job ID: 180-164148-1

Client Sample ID: SW-17

Date Collected: 10/25/23 11:27
Date Received: 10/27/23 09:10

Lab Sample ID: 180-164520-15

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12000**		25	18	mg/L			10/28/23 20:48	25
Fluoride	**0.26**	**J**	0.50	0.065	mg/L			10/28/23 20:33	2.5
Sulfate	**1500**		2.5	1.9	mg/L			10/28/23 20:33	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0022**	**J**	0.015	0.00086	mg/L		11/01/23 05:41	11/01/23 20:40	1
Barium	**0.090**		0.025	0.00089	mg/L		11/01/23 05:41	11/01/23 20:40	1
Beryllium	<0.00020		0.013	0.00020	mg/L		11/01/23 05:41	11/01/23 20:40	1
Boron	**2.4**		1.0	0.044	mg/L		11/01/23 05:41	11/02/23 16:03	2
Cadmium	<0.000078		0.013	0.000078	mg/L		11/01/23 05:41	11/01/23 20:40	1
Calcium	**220**		2.5	0.14	mg/L		11/01/23 05:41	11/01/23 20:40	1
Chromium	<0.0012		0.025	0.0012	mg/L		11/01/23 05:41	11/01/23 20:40	1
Cobalt	**0.00071**	**J**	0.013	0.00022	mg/L		11/01/23 05:41	11/01/23 20:40	1
Molybdenum	**0.0045**	**J**	0.075	0.00086	mg/L		11/01/23 05:41	11/01/23 20:40	1
Lead	**0.00067**	**J**	0.013	0.00021	mg/L		11/01/23 05:41	11/01/23 20:40	1
Antimony	<0.00034		0.025	0.00034	mg/L		11/01/23 05:41	11/01/23 20:40	1
Selenium	**0.0015**	**J**	0.013	0.00099	mg/L		11/01/23 05:41	11/01/23 20:40	1
Thallium	<0.00026		0.0050	0.00026	mg/L		11/01/23 05:41	11/01/23 20:40	1
Lithium	**0.084**		0.050	0.0040	mg/L		11/01/23 05:41	11/02/23 16:03	2

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/31/23 13:05	11/01/23 13:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**19000**		200	200	mg/L			10/31/23 16:17	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.43**				SU			10/25/23 11:27	1

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

Job ID: 180-164148-1

Client Sample ID: SW-17

Date Collected: 10/25/23 11:46
Date Received: 10/27/23 09:10

Lab Sample ID: 180-164520-16

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**11000**		25	18	mg/L			10/28/23 21:17	25
Fluoride, Dissolved	**0.28**		0.25	0.065	mg/L			10/28/23 21:02	2.5
Sulfate, Dissolved	**1600**		2.5	1.9	mg/L			10/28/23 21:02	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0016**	**J**	0.015	0.00086	mg/L		11/01/23 06:53	11/01/23 16:17	1
Barium, Dissolved	**0.085**		0.025	0.00089	mg/L		11/01/23 06:53	11/01/23 16:17	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		11/01/23 06:53	11/01/23 16:17	1
Boron, Dissolved	**2.3**		2.0	0.088	mg/L		11/01/23 06:53	11/02/23 13:44	4
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		11/01/23 06:53	11/01/23 16:17	1
Calcium, Dissolved	**220**		2.5	0.14	mg/L		11/01/23 06:53	11/01/23 16:17	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		11/01/23 06:53	11/01/23 16:17	1
Cobalt, Dissolved	**0.00041**	**J**	0.013	0.00022	mg/L		11/01/23 06:53	11/01/23 16:17	1
Molybdenum, Dissolved	**0.0043**	**J**	0.075	0.00086	mg/L		11/01/23 06:53	11/01/23 16:17	1
Lead, Dissolved	<0.00021		0.013	0.00021	mg/L		11/01/23 06:53	11/01/23 16:17	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		11/01/23 06:53	11/01/23 16:17	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		11/01/23 06:53	11/01/23 16:17	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		11/01/23 06:53	11/01/23 16:17	1
Lithium, Dissolved	**0.086**		0.025	0.0020	mg/L		11/01/23 06:53	11/01/23 16:17	1

Method: SW846 EPA 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.13		0.20	0.13	ug/L		10/31/23 13:05	11/01/23 13:39	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**19000**		200	200	mg/L			10/31/23 16:17	1

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

Job ID: 180-164148-1

Client Sample ID: DUP-03

Date Collected: 10/25/23 11:11
Date Received: 10/27/23 09:10

Lab Sample ID: 180-164520-17

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12000		25	18	mg/L			10/28/23 21:47	25
Fluoride	0.26	J	0.50	0.065	mg/L			10/28/23 21:32	2.5
Sulfate	1500		2.5	1.9	mg/L			10/28/23 21:32	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0022	J	0.015	0.00086	mg/L		11/01/23 05:41	11/01/23 20:43	1
Barium	0.082		0.025	0.00089	mg/L		11/01/23 05:41	11/01/23 20:43	1
Beryllium	<0.00020		0.013	0.00020	mg/L		11/01/23 05:41	11/01/23 20:43	1
Boron	2.3		1.0	0.044	mg/L		11/01/23 05:41	11/02/23 16:07	2
Cadmium	<0.000078		0.013	0.000078	mg/L		11/01/23 05:41	11/01/23 20:43	1
Calcium	210		2.5	0.14	mg/L		11/01/23 05:41	11/01/23 20:43	1
Chromium	<0.0012		0.025	0.0012	mg/L		11/01/23 05:41	11/01/23 20:43	1
Cobalt	0.00042	J	0.013	0.00022	mg/L		11/01/23 05:41	11/01/23 20:43	1
Molybdenum	0.0040	J	0.075	0.00086	mg/L		11/01/23 05:41	11/01/23 20:43	1
Lead	0.00027	J	0.013	0.00021	mg/L		11/01/23 05:41	11/01/23 20:43	1
Antimony	<0.00034		0.025	0.00034	mg/L		11/01/23 05:41	11/01/23 20:43	1
Selenium	0.0013	J	0.013	0.00099	mg/L		11/01/23 05:41	11/01/23 20:43	1
Thallium	<0.00026		0.0050	0.00026	mg/L		11/01/23 05:41	11/01/23 20:43	1
Lithium	0.084		0.050	0.0040	mg/L		11/01/23 05:41	11/02/23 16:07	2

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/31/23 13:05	11/01/23 13:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	19000		200	200	mg/L			10/31/23 16:17	1

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

Job ID: 180-164148-1

Client Sample ID: DUP-03

Date Collected: 10/25/23 11:37
Date Received: 10/27/23 09:10

Lab Sample ID: 180-164520-18

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**11000**		25	18	mg/L			10/28/23 23:30	25
Fluoride, Dissolved	**0.27**		0.25	0.065	mg/L			10/28/23 23:15	2.5
Sulfate, Dissolved	**1500**		2.5	1.9	mg/L			10/28/23 23:15	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.0028**	**J**	0.015	0.00086	mg/L		11/01/23 06:53	11/01/23 16:20	1
Barium, Dissolved	**0.084**		0.025	0.00089	mg/L		11/01/23 06:53	11/01/23 16:20	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		11/01/23 06:53	11/01/23 16:20	1
Boron, Dissolved	**2.2**		2.0	0.088	mg/L		11/01/23 06:53	11/02/23 13:48	4
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		11/01/23 06:53	11/01/23 16:20	1
Calcium, Dissolved	**220**		2.5	0.14	mg/L		11/01/23 06:53	11/01/23 16:20	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		11/01/23 06:53	11/01/23 16:20	1
Cobalt, Dissolved	**0.00037**	**J**	0.013	0.00022	mg/L		11/01/23 06:53	11/01/23 16:20	1
Molybdenum, Dissolved	**0.0043**	**J**	0.075	0.00086	mg/L		11/01/23 06:53	11/01/23 16:20	1
Lead, Dissolved	**0.00054**	**J B**	0.013	0.00021	mg/L		11/01/23 06:53	11/01/23 16:20	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		11/01/23 06:53	11/01/23 16:20	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		11/01/23 06:53	11/01/23 16:20	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		11/01/23 06:53	11/01/23 16:20	1
Lithium, Dissolved	**0.083**		0.025	0.0020	mg/L		11/01/23 06:53	11/01/23 16:20	1

Method: SW846 EPA 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.13		0.20	0.13	ug/L		10/31/23 13:05	11/01/23 13:45	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**19000**		200	200	mg/L			10/31/23 16:17	1

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

Job ID: 180-164148-1

Client Sample ID: EB-02

Date Collected: 10/25/23 10:23
Date Received: 10/27/23 09:10

Lab Sample ID: 180-164520-19

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1.6**		1.0	0.71	mg/L			10/28/23 23:45	1
Fluoride	<0.026		0.20	0.026	mg/L			10/28/23 23:45	1
Sulfate	<0.76		1.0	0.76	mg/L			10/28/23 23:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		11/01/23 05:41	11/01/23 20:46	1
Barium	<0.00089		0.025	0.00089	mg/L		11/01/23 05:41	11/01/23 20:46	1
Beryllium	<0.00020		0.013	0.00020	mg/L		11/01/23 05:41	11/01/23 20:46	1
Boron	**0.031**	**J**	0.50	0.022	mg/L		11/01/23 05:41	11/02/23 15:55	1
Cadmium	**0.000090**	**J**	0.013	0.000078	mg/L		11/01/23 05:41	11/01/23 20:46	1
Calcium	**0.32**	**J**	2.5	0.14	mg/L		11/01/23 05:41	11/01/23 20:46	1
Chromium	<0.0012		0.025	0.0012	mg/L		11/01/23 05:41	11/01/23 20:46	1
Cobalt	<0.00022		0.013	0.00022	mg/L		11/01/23 05:41	11/01/23 20:46	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		11/01/23 05:41	11/01/23 20:46	1
Lead	**0.0011**	**J**	0.013	0.00021	mg/L		11/01/23 05:41	11/01/23 20:46	1
Antimony	<0.00034		0.025	0.00034	mg/L		11/01/23 05:41	11/01/23 20:46	1
Selenium	<0.00099		0.013	0.00099	mg/L		11/01/23 05:41	11/01/23 20:46	1
Thallium	<0.00026		0.0050	0.00026	mg/L		11/01/23 05:41	11/01/23 20:46	1
Lithium	<0.0020		0.025	0.0020	mg/L		11/01/23 05:41	11/02/23 15:55	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/31/23 13:05	11/01/23 13:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10		10	10	mg/L			10/31/23 16:17	1

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

Job ID: 180-164148-1

Client Sample ID: FB-02

Date Collected: 10/25/23 10:16
Date Received: 10/27/23 09:10

Lab Sample ID: 180-164520-20

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/29/23 00:00	1
Fluoride	<0.026		0.20	0.026	mg/L			10/29/23 00:00	1
Sulfate	<0.76		1.0	0.76	mg/L			10/29/23 00:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		11/01/23 05:41	11/01/23 20:55	1
Barium	**0.00091**	**J**	0.025	0.00089	mg/L		11/01/23 05:41	11/01/23 20:55	1
Beryllium	<0.00020		0.013	0.00020	mg/L		11/01/23 05:41	11/01/23 20:55	1
Boron	<0.022		0.50	0.022	mg/L		11/01/23 05:41	11/02/23 15:59	1
Cadmium	<0.000078		0.013	0.000078	mg/L		11/01/23 05:41	11/01/23 20:55	1
Calcium	<0.14		2.5	0.14	mg/L		11/01/23 05:41	11/01/23 20:55	1
Chromium	<0.0012		0.025	0.0012	mg/L		11/01/23 05:41	11/01/23 20:55	1
Cobalt	<0.00022		0.013	0.00022	mg/L		11/01/23 05:41	11/01/23 20:55	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		11/01/23 05:41	11/01/23 20:55	1
Lead	<0.00021		0.013	0.00021	mg/L		11/01/23 05:41	11/01/23 20:55	1
Antimony	<0.00034		0.025	0.00034	mg/L		11/01/23 05:41	11/01/23 20:55	1
Selenium	<0.00099		0.013	0.00099	mg/L		11/01/23 05:41	11/01/23 20:55	1
Thallium	<0.00026		0.0050	0.00026	mg/L		11/01/23 05:41	11/01/23 20:55	1
Lithium	<0.0020		0.025	0.0020	mg/L		11/01/23 05:41	11/02/23 15:59	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/31/23 13:05	11/01/23 13:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10		10	10	mg/L			10/31/23 16:17	1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 180-449836/6
Matrix: Water
Analysis Batch: 449836

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/21/23 11:02	1
Chloride, Dissolved	<0.71		1.0	0.71	mg/L			10/21/23 11:02	1
Fluoride	<0.026		0.20	0.026	mg/L			10/21/23 11:02	1
Fluoride, Dissolved	<0.026		0.20	0.026	mg/L			10/21/23 11:02	1
Sulfate	<0.76		1.0	0.76	mg/L			10/21/23 11:02	1
Sulfate, Dissolved	<0.76		1.0	0.76	mg/L			10/21/23 11:02	1

Lab Sample ID: LCS 180-449836/7
Matrix: Water
Analysis Batch: 449836

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	50.9		mg/L		102	90 - 110
Chloride, Dissolved	50.0	50.9		mg/L		102	90 - 110
Fluoride	2.50	2.35		mg/L		94	90 - 110
Fluoride, Dissolved	2.50	2.35		mg/L		94	90 - 110
Sulfate	50.0	50.2		mg/L		100	90 - 110
Sulfate, Dissolved	50.0	50.2		mg/L		100	90 - 110

Lab Sample ID: MB 180-449837/6
Matrix: Water
Analysis Batch: 449837

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/21/23 11:10	1
Chloride, Dissolved	<0.71		1.0	0.71	mg/L			10/21/23 11:10	1
Fluoride	<0.026		0.10	0.026	mg/L			10/21/23 11:10	1
Fluoride, Dissolved	<0.026		0.10	0.026	mg/L			10/21/23 11:10	1
Sulfate	<0.76		1.0	0.76	mg/L			10/21/23 11:10	1
Sulfate, Dissolved	<0.76		1.0	0.76	mg/L			10/21/23 11:10	1

Lab Sample ID: LCS 180-449837/7
Matrix: Water
Analysis Batch: 449837

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	48.8		mg/L		98	90 - 110
Chloride, Dissolved	50.0	48.8		mg/L		98	90 - 110
Fluoride	2.50	2.56		mg/L		102	90 - 110
Fluoride, Dissolved	2.50	2.56		mg/L		102	90 - 110
Sulfate	50.0	49.7		mg/L		99	90 - 110
Sulfate, Dissolved	50.0	49.7		mg/L		99	90 - 110

Lab Sample ID: MB 180-450035/36
Matrix: Water
Analysis Batch: 450035

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/24/23 21:06	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 180-450035/36
Matrix: Water
Analysis Batch: 450035

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	<0.71		1.0	0.71	mg/L			10/24/23 21:06	1
Fluoride	<0.026		0.10	0.026	mg/L			10/24/23 21:06	1
Fluoride, Dissolved	<0.026		0.10	0.026	mg/L			10/24/23 21:06	1
Sulfate	<0.76		1.0	0.76	mg/L			10/24/23 21:06	1
Sulfate, Dissolved	<0.76		1.0	0.76	mg/L			10/24/23 21:06	1

Lab Sample ID: LCS 180-450035/37
Matrix: Water
Analysis Batch: 450035

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	50.3		mg/L		101	90 - 110
Chloride, Dissolved	50.0	50.3		mg/L		101	90 - 110
Fluoride	2.50	2.55		mg/L		102	90 - 110
Fluoride, Dissolved	2.50	2.55		mg/L		102	90 - 110
Sulfate	50.0	49.5		mg/L		99	90 - 110
Sulfate, Dissolved	50.0	49.5		mg/L		99	90 - 110

Lab Sample ID: MB 180-450167/46
Matrix: Water
Analysis Batch: 450167

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/25/23 23:10	1
Chloride, Dissolved	<0.71		1.0	0.71	mg/L			10/25/23 23:10	1
Fluoride	<0.026		0.20	0.026	mg/L			10/25/23 23:10	1
Fluoride, Dissolved	<0.026		0.20	0.026	mg/L			10/25/23 23:10	1
Sulfate	<0.76		1.0	0.76	mg/L			10/25/23 23:10	1
Sulfate, Dissolved	<0.76		1.0	0.76	mg/L			10/25/23 23:10	1

Lab Sample ID: MB 180-450167/6
Matrix: Water
Analysis Batch: 450167

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/25/23 11:08	1
Chloride, Dissolved	<0.71		1.0	0.71	mg/L			10/25/23 11:08	1
Fluoride	<0.026		0.20	0.026	mg/L			10/25/23 11:08	1
Fluoride, Dissolved	<0.026		0.20	0.026	mg/L			10/25/23 11:08	1
Sulfate	<0.76		1.0	0.76	mg/L			10/25/23 11:08	1
Sulfate, Dissolved	<0.76		1.0	0.76	mg/L			10/25/23 11:08	1

Lab Sample ID: LCS 180-450167/47
Matrix: Water
Analysis Batch: 450167

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	49.2		mg/L		98	90 - 110
Chloride, Dissolved	50.0	49.2		mg/L		98	90 - 110
Fluoride	2.50	2.50		mg/L		100	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 180-450167/47
Matrix: Water
Analysis Batch: 450167

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride, Dissolved	2.50	2.50		mg/L		100	90 - 110
Sulfate	50.0	48.5		mg/L		97	90 - 110
Sulfate, Dissolved	50.0	48.5		mg/L		97	90 - 110

Lab Sample ID: LCS 180-450167/7
Matrix: Water
Analysis Batch: 450167

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	48.2		mg/L		96	90 - 110
Chloride, Dissolved	50.0	48.2		mg/L		96	90 - 110
Fluoride	2.50	2.46		mg/L		98	90 - 110
Fluoride, Dissolved	2.50	2.46		mg/L		98	90 - 110
Sulfate	50.0	47.7		mg/L		95	90 - 110
Sulfate, Dissolved	50.0	47.7		mg/L		95	90 - 110

Lab Sample ID: MB 180-450294/37
Matrix: Water
Analysis Batch: 450294

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.724	J	1.0	0.71	mg/L			10/26/23 23:22	1
Chloride, Dissolved	0.724	J	1.0	0.71	mg/L			10/26/23 23:22	1
Fluoride	<0.026		0.10	0.026	mg/L			10/26/23 23:22	1
Fluoride, Dissolved	<0.026		0.10	0.026	mg/L			10/26/23 23:22	1
Sulfate	<0.76		1.0	0.76	mg/L			10/26/23 23:22	1
Sulfate, Dissolved	<0.76		1.0	0.76	mg/L			10/26/23 23:22	1

Lab Sample ID: MB 180-450294/6
Matrix: Water
Analysis Batch: 450294

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/26/23 12:33	1
Chloride, Dissolved	<0.71		1.0	0.71	mg/L			10/26/23 12:33	1
Fluoride	<0.026		0.20	0.026	mg/L			10/26/23 12:33	1
Fluoride, Dissolved	<0.026		0.20	0.026	mg/L			10/26/23 12:33	1
Sulfate	<0.76		1.0	0.76	mg/L			10/26/23 12:33	1
Sulfate, Dissolved	<0.76		1.0	0.76	mg/L			10/26/23 12:33	1

Lab Sample ID: LCS 180-450294/38
Matrix: Water
Analysis Batch: 450294

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	47.8		mg/L		96	90 - 110
Chloride, Dissolved	50.0	47.8		mg/L		96	90 - 110
Fluoride	2.50	2.53		mg/L		101	90 - 110
Fluoride, Dissolved	2.50	2.53		mg/L		101	90 - 110
Sulfate	50.0	48.2		mg/L		96	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 180-450294/38
Matrix: Water
Analysis Batch: 450294

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate, Dissolved	50.0	48.2		mg/L		96	90 - 110

Lab Sample ID: LCS 180-450294/7
Matrix: Water
Analysis Batch: 450294

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	50.3		mg/L		101	90 - 110
Chloride, Dissolved	50.0	50.3		mg/L		101	90 - 110
Fluoride	2.50	2.52		mg/L		101	90 - 110
Fluoride, Dissolved	2.50	2.52		mg/L		101	90 - 110
Sulfate	50.0	49.8		mg/L		100	90 - 110
Sulfate, Dissolved	50.0	49.8		mg/L		100	90 - 110

Lab Sample ID: MB 180-450451/6
Matrix: Water
Analysis Batch: 450451

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/28/23 12:33	1
Chloride, Dissolved	<0.71		1.0	0.71	mg/L			10/28/23 12:33	1
Fluoride	<0.026		0.20	0.026	mg/L			10/28/23 12:33	1
Fluoride, Dissolved	<0.026		0.20	0.026	mg/L			10/28/23 12:33	1
Sulfate	<0.76		1.0	0.76	mg/L			10/28/23 12:33	1
Sulfate, Dissolved	<0.76		1.0	0.76	mg/L			10/28/23 12:33	1

Lab Sample ID: LCS 180-450451/7
Matrix: Water
Analysis Batch: 450451

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	49.5		mg/L		99	90 - 110
Chloride, Dissolved	50.0	49.5		mg/L		99	90 - 110
Fluoride	2.50	2.53		mg/L		101	90 - 110
Fluoride, Dissolved	2.50	2.53		mg/L		101	90 - 110
Sulfate	50.0	48.7		mg/L		97	90 - 110
Sulfate, Dissolved	50.0	48.7		mg/L		97	90 - 110

Lab Sample ID: MB 180-450452/38
Matrix: Water
Analysis Batch: 450452

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/28/23 20:59	1
Chloride, Dissolved	<0.71		1.0	0.71	mg/L			10/28/23 20:59	1
Fluoride	<0.026		0.10	0.026	mg/L			10/28/23 20:59	1
Fluoride, Dissolved	<0.026		0.10	0.026	mg/L			10/28/23 20:59	1
Sulfate	<0.76		1.0	0.76	mg/L			10/28/23 20:59	1
Sulfate, Dissolved	<0.76		1.0	0.76	mg/L			10/28/23 20:59	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 180-450452/6
Matrix: Water
Analysis Batch: 450452

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			10/28/23 12:25	1
Fluoride	<0.026		0.20	0.026	mg/L			10/28/23 12:25	1
Sulfate	<0.76		1.0	0.76	mg/L			10/28/23 12:25	1

Lab Sample ID: LCS 180-450452/39
Matrix: Water
Analysis Batch: 450452

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	49.8		mg/L		100	90 - 110
Chloride, Dissolved	50.0	49.8		mg/L		100	90 - 110
Fluoride	2.50	2.58		mg/L		103	90 - 110
Fluoride, Dissolved	2.50	2.58		mg/L		103	90 - 110
Sulfate	50.0	49.6		mg/L		99	90 - 110
Sulfate, Dissolved	50.0	49.6		mg/L		99	90 - 110

Lab Sample ID: LCS 180-450452/7
Matrix: Water
Analysis Batch: 450452

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	47.5		mg/L		95	90 - 110
Fluoride	2.50	2.54		mg/L		102	90 - 110
Sulfate	50.0	48.4		mg/L		97	90 - 110

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-804419/1-A
Matrix: Water
Analysis Batch: 804717

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 804419

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/25/23 06:36	10/25/23 21:06	1
Barium	<0.00089		0.025	0.00089	mg/L		10/25/23 06:36	10/25/23 21:06	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 06:36	10/25/23 21:06	1
Boron	<0.022		0.50	0.022	mg/L		10/25/23 06:36	10/25/23 21:06	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 06:36	10/25/23 21:06	1
Calcium	<0.14		2.5	0.14	mg/L		10/25/23 06:36	10/25/23 21:06	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/25/23 06:36	10/25/23 21:06	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/25/23 06:36	10/25/23 21:06	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/25/23 06:36	10/25/23 21:06	1
Lead	<0.00021		0.013	0.00021	mg/L		10/25/23 06:36	10/25/23 21:06	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 06:36	10/25/23 21:06	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 06:36	10/25/23 21:06	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 06:36	10/25/23 21:06	1
Lithium	<0.0020		0.025	0.0020	mg/L		10/25/23 06:36	10/25/23 21:06	1

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

Lab Sample ID: LCS 680-804419/2-A
Matrix: Water
Analysis Batch: 804717

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 804419

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.108		mg/L		108	80 - 120
Barium	0.100	0.111		mg/L		111	80 - 120
Beryllium	0.0500	0.0491		mg/L		98	80 - 120
Boron	0.400	0.380	J	mg/L		95	80 - 120
Cadmium	0.0500	0.0522		mg/L		104	80 - 120
Calcium	5.00	5.14		mg/L		103	80 - 120
Chromium	0.100	0.105		mg/L		105	80 - 120
Cobalt	0.0500	0.0571		mg/L		114	80 - 120
Molybdenum	0.100	0.100		mg/L		100	80 - 120
Lead	0.500	0.560		mg/L		112	80 - 120
Antimony	0.0500	0.0550		mg/L		110	80 - 120
Selenium	0.100	0.100		mg/L		100	80 - 120
Thallium	0.0500	0.0522		mg/L		104	80 - 120
Lithium	0.500	0.484		mg/L		97	80 - 120

Lab Sample ID: MB 680-804424/1-A
Matrix: Water
Analysis Batch: 804759

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 804424

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/25/23 07:35	10/26/23 09:45	1
Barium	<0.00089		0.025	0.00089	mg/L		10/25/23 07:35	10/26/23 09:45	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 07:35	10/26/23 09:45	1
Boron	<0.022		0.50	0.022	mg/L		10/25/23 07:35	10/26/23 09:45	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 07:35	10/26/23 09:45	1
Calcium	<0.14		2.5	0.14	mg/L		10/25/23 07:35	10/26/23 09:45	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/25/23 07:35	10/26/23 09:45	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/25/23 07:35	10/26/23 09:45	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/25/23 07:35	10/26/23 09:45	1
Lead	<0.00021		0.013	0.00021	mg/L		10/25/23 07:35	10/26/23 09:45	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 07:35	10/26/23 09:45	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 07:35	10/26/23 09:45	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 07:35	10/26/23 09:45	1
Lithium	<0.0020		0.025	0.0020	mg/L		10/25/23 07:35	10/26/23 09:45	1

Lab Sample ID: LCS 680-804424/2-A
Matrix: Water
Analysis Batch: 804759

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 804424

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.109		mg/L		109	80 - 120
Barium	0.100	0.109		mg/L		109	80 - 120
Beryllium	0.0500	0.0527		mg/L		105	80 - 120
Boron	0.400	0.391	J	mg/L		98	80 - 120
Cadmium	0.0500	0.0536		mg/L		107	80 - 120
Calcium	5.00	5.36		mg/L		107	80 - 120
Chromium	0.100	0.108		mg/L		108	80 - 120
Cobalt	0.0500	0.0556		mg/L		111	80 - 120
Molybdenum	0.100	0.103		mg/L		103	80 - 120

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

Lab Sample ID: LCS 680-804424/2-A
Matrix: Water
Analysis Batch: 804759

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 804424

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.500	0.529		mg/L		106	80 - 120
Antimony	0.0500	0.0554		mg/L		111	80 - 120
Selenium	0.100	0.103		mg/L		103	80 - 120
Thallium	0.0500	0.0529		mg/L		106	80 - 120
Lithium	0.500	0.504		mg/L		101	80 - 120

Lab Sample ID: MB 680-804530/1-A
Matrix: Water
Analysis Batch: 804717

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 804530

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		10/25/23 06:48	10/26/23 03:36	1
Barium	<0.00089		0.025	0.00089	mg/L		10/25/23 06:48	10/26/23 03:36	1
Beryllium	<0.00020		0.013	0.00020	mg/L		10/25/23 06:48	10/26/23 03:36	1
Boron	<0.022		0.50	0.022	mg/L		10/25/23 06:48	10/26/23 03:36	1
Cadmium	<0.000078		0.013	0.000078	mg/L		10/25/23 06:48	10/26/23 03:36	1
Calcium	<0.14		2.5	0.14	mg/L		10/25/23 06:48	10/26/23 03:36	1
Chromium	<0.0012		0.025	0.0012	mg/L		10/25/23 06:48	10/26/23 03:36	1
Cobalt	<0.00022		0.013	0.00022	mg/L		10/25/23 06:48	10/26/23 03:36	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		10/25/23 06:48	10/26/23 03:36	1
Lead	<0.00021		0.013	0.00021	mg/L		10/25/23 06:48	10/26/23 03:36	1
Antimony	<0.00034		0.025	0.00034	mg/L		10/25/23 06:48	10/26/23 03:36	1
Selenium	<0.00099		0.013	0.00099	mg/L		10/25/23 06:48	10/26/23 03:36	1
Thallium	<0.00026		0.0050	0.00026	mg/L		10/25/23 06:48	10/26/23 03:36	1
Lithium	<0.0020		0.025	0.0020	mg/L		10/25/23 06:48	10/26/23 03:36	1

Lab Sample ID: LCS 680-804530/2-A
Matrix: Water
Analysis Batch: 804717

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 804530

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.101		mg/L		101	80 - 120
Barium	0.100	0.108		mg/L		108	80 - 120
Beryllium	0.0500	0.0477		mg/L		95	80 - 120
Boron	0.400	0.367	J	mg/L		92	80 - 120
Cadmium	0.0500	0.0485		mg/L		97	80 - 120
Calcium	5.00	4.76		mg/L		95	80 - 120
Chromium	0.100	0.0954		mg/L		95	80 - 120
Cobalt	0.0500	0.0535		mg/L		107	80 - 120
Molybdenum	0.100	0.0895		mg/L		89	80 - 120
Lead	0.500	0.536		mg/L		107	80 - 120
Antimony	0.0500	0.0523		mg/L		105	80 - 120
Selenium	0.100	0.0920		mg/L		92	80 - 120
Thallium	0.0500	0.0467		mg/L		93	80 - 120
Lithium	0.500	0.471		mg/L		94	80 - 120

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

Lab Sample ID: LCSD 680-804530/3-A
Matrix: Water
Analysis Batch: 804717

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 804530

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic			0.100	0.101		mg/L		101	80 - 120	0	20
Barium			0.100	0.105		mg/L		105	80 - 120	3	20
Beryllium			0.0500	0.0486		mg/L		97	80 - 120	2	20
Boron			0.400	0.378	J	mg/L		94	80 - 120	3	20
Cadmium			0.0500	0.0476		mg/L		95	80 - 120	2	20
Calcium			5.00	4.73		mg/L		95	80 - 120	1	20
Chromium			0.100	0.0938		mg/L		93	80 - 120	2	20
Cobalt			0.0500	0.0527		mg/L		105	80 - 120	2	20
Molybdenum			0.100	0.0879		mg/L		88	80 - 120	2	20
Lead			0.500	0.524		mg/L		105	80 - 120	2	20
Antimony			0.0500	0.0511		mg/L		102	80 - 120	2	20
Selenium			0.100	0.0894		mg/L		89	80 - 120	3	20
Thallium			0.0500	0.0464		mg/L		93	80 - 120	1	20
Lithium			0.500	0.469		mg/L		94	80 - 120	1	20

Lab Sample ID: MB 680-805666/1-A
Matrix: Water
Analysis Batch: 806015

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 805666

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		11/01/23 05:41	11/02/23 01:09	1
Barium	<0.00089		0.025	0.00089	mg/L		11/01/23 05:41	11/02/23 01:09	1
Beryllium	<0.00020		0.013	0.00020	mg/L		11/01/23 05:41	11/02/23 01:09	1
Boron	<0.022		0.50	0.022	mg/L		11/01/23 05:41	11/02/23 01:09	1
Cadmium	<0.000078		0.013	0.000078	mg/L		11/01/23 05:41	11/02/23 01:09	1
Calcium	<0.14		2.5	0.14	mg/L		11/01/23 05:41	11/02/23 01:09	1
Chromium	<0.0012		0.025	0.0012	mg/L		11/01/23 05:41	11/02/23 01:09	1
Cobalt	<0.00022		0.013	0.00022	mg/L		11/01/23 05:41	11/02/23 01:09	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		11/01/23 05:41	11/02/23 01:09	1
Lead	<0.00021		0.013	0.00021	mg/L		11/01/23 05:41	11/02/23 01:09	1
Antimony	<0.00034		0.025	0.00034	mg/L		11/01/23 05:41	11/02/23 01:09	1
Selenium	<0.00099		0.013	0.00099	mg/L		11/01/23 05:41	11/02/23 01:09	1
Thallium	<0.00026		0.0050	0.00026	mg/L		11/01/23 05:41	11/02/23 01:09	1

Lab Sample ID: MB 680-805666/1-A
Matrix: Water
Analysis Batch: 806097

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 805666

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.022		0.50	0.022	mg/L		11/01/23 05:41	11/02/23 11:23	1
Lithium	<0.0020		0.025	0.0020	mg/L		11/01/23 05:41	11/02/23 11:23	1

Lab Sample ID: LCS 680-805666/2-A
Matrix: Water
Analysis Batch: 806015

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 805666

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic			0.100	0.0969		mg/L		97	80 - 120		
Barium			0.100	0.101		mg/L		101	80 - 120		

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

Lab Sample ID: LCS 680-805666/2-A
Matrix: Water
Analysis Batch: 806015

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 805666

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	0.0500	0.0524		mg/L		105	80 - 120
Boron	0.400	0.410	J	mg/L		102	80 - 120
Cadmium	0.0500	0.0499		mg/L		100	80 - 120
Calcium	5.00	5.02		mg/L		100	80 - 120
Chromium	0.100	0.103		mg/L		102	80 - 120
Cobalt	0.0500	0.0504		mg/L		101	80 - 120
Molybdenum	0.100	0.106		mg/L		106	80 - 120
Lead	0.500	0.504		mg/L		101	80 - 120
Antimony	0.0500	0.0504		mg/L		101	80 - 120
Selenium	0.100	0.107		mg/L		107	80 - 120
Thallium	0.0500	0.0500		mg/L		100	80 - 120

Lab Sample ID: LCS 680-805666/2-A
Matrix: Water
Analysis Batch: 806097

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 805666

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.400	0.406	J	mg/L		101	80 - 120
Lithium	0.500	0.496		mg/L		99	80 - 120

Lab Sample ID: MB 680-805667/1-A
Matrix: Water
Analysis Batch: 806015

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 805667

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.015	0.00086	mg/L		11/01/23 05:41	11/01/23 19:42	1
Barium	<0.00089		0.025	0.00089	mg/L		11/01/23 05:41	11/01/23 19:42	1
Beryllium	<0.00020		0.013	0.00020	mg/L		11/01/23 05:41	11/01/23 19:42	1
Cadmium	<0.000078		0.013	0.000078	mg/L		11/01/23 05:41	11/01/23 19:42	1
Calcium	<0.14		2.5	0.14	mg/L		11/01/23 05:41	11/01/23 19:42	1
Chromium	<0.0012		0.025	0.0012	mg/L		11/01/23 05:41	11/01/23 19:42	1
Cobalt	<0.00022		0.013	0.00022	mg/L		11/01/23 05:41	11/01/23 19:42	1
Molybdenum	<0.00086		0.075	0.00086	mg/L		11/01/23 05:41	11/01/23 19:42	1
Lead	<0.00021		0.013	0.00021	mg/L		11/01/23 05:41	11/01/23 19:42	1
Antimony	<0.00034		0.025	0.00034	mg/L		11/01/23 05:41	11/01/23 19:42	1
Selenium	<0.00099		0.013	0.00099	mg/L		11/01/23 05:41	11/01/23 19:42	1
Thallium	<0.00026		0.0050	0.00026	mg/L		11/01/23 05:41	11/01/23 19:42	1

Lab Sample ID: MB 680-805667/1-A
Matrix: Water
Analysis Batch: 806228

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 805667

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.022		0.50	0.022	mg/L		11/01/23 05:41	11/02/23 14:58	1
Lithium	<0.0020		0.025	0.0020	mg/L		11/01/23 05:41	11/02/23 14:58	1

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

Lab Sample ID: LCS 680-805667/2-A
Matrix: Water
Analysis Batch: 806015

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 805667

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.0952		mg/L		95	80 - 120
Barium	0.100	0.0968		mg/L		97	80 - 120
Beryllium	0.0500	0.0483		mg/L		97	80 - 120
Cadmium	0.0500	0.0486		mg/L		97	80 - 120
Calcium	5.00	4.88		mg/L		98	80 - 120
Chromium	0.100	0.0997		mg/L		99	80 - 120
Cobalt	0.0500	0.0493		mg/L		99	80 - 120
Molybdenum	0.100	0.104		mg/L		104	80 - 120
Lead	0.500	0.493		mg/L		99	80 - 120
Antimony	0.0500	0.0482		mg/L		96	80 - 120
Selenium	0.100	0.106		mg/L		106	80 - 120
Thallium	0.0500	0.0493		mg/L		99	80 - 120

Lab Sample ID: LCS 680-805667/2-A
Matrix: Water
Analysis Batch: 806228

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 805667

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.400	0.364	J	mg/L		91	80 - 120
Lithium	0.500	0.483		mg/L		97	80 - 120

Lab Sample ID: MB 680-805672/1-A
Matrix: Water
Analysis Batch: 806015

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 805672

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	<0.00086		0.015	0.00086	mg/L		11/01/23 06:53	11/01/23 15:38	1
Barium, Dissolved	<0.00089		0.025	0.00089	mg/L		11/01/23 06:53	11/01/23 15:38	1
Beryllium, Dissolved	<0.00020		0.013	0.00020	mg/L		11/01/23 06:53	11/01/23 15:38	1
Cadmium, Dissolved	<0.000078		0.013	0.000078	mg/L		11/01/23 06:53	11/01/23 15:38	1
Calcium, Dissolved	<0.14		2.5	0.14	mg/L		11/01/23 06:53	11/01/23 15:38	1
Chromium, Dissolved	<0.0012		0.025	0.0012	mg/L		11/01/23 06:53	11/01/23 15:38	1
Cobalt, Dissolved	<0.00022		0.013	0.00022	mg/L		11/01/23 06:53	11/01/23 15:38	1
Molybdenum, Dissolved	<0.00086		0.075	0.00086	mg/L		11/01/23 06:53	11/01/23 15:38	1
Lead, Dissolved	0.000425	J	0.013	0.00021	mg/L		11/01/23 06:53	11/01/23 15:38	1
Antimony, Dissolved	<0.00034		0.025	0.00034	mg/L		11/01/23 06:53	11/01/23 15:38	1
Selenium, Dissolved	<0.00099		0.013	0.00099	mg/L		11/01/23 06:53	11/01/23 15:38	1
Thallium, Dissolved	<0.00026		0.0050	0.00026	mg/L		11/01/23 06:53	11/01/23 15:38	1
Lithium, Dissolved	<0.0020		0.025	0.0020	mg/L		11/01/23 06:53	11/01/23 15:38	1

Lab Sample ID: MB 680-805672/1-A
Matrix: Water
Analysis Batch: 806228

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 805672

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	<0.022		0.50	0.022	mg/L		11/01/23 06:53	11/02/23 12:56	1

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

Lab Sample ID: LCS 680-805672/2-A
Matrix: Water
Analysis Batch: 806015

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 805672

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	0.100	0.0975		mg/L		97	80 - 120
Barium, Dissolved	0.100	0.101		mg/L		101	80 - 120
Beryllium, Dissolved	0.0500	0.0491		mg/L		98	80 - 120
Cadmium, Dissolved	0.0500	0.0493		mg/L		99	80 - 120
Calcium, Dissolved	5.00	4.99		mg/L		100	80 - 120
Chromium, Dissolved	0.100	0.102		mg/L		102	80 - 120
Cobalt, Dissolved	0.0500	0.0504		mg/L		101	80 - 120
Molybdenum, Dissolved	0.100	0.101		mg/L		101	80 - 120
Lead, Dissolved	0.500	0.496		mg/L		99	80 - 120
Antimony, Dissolved	0.0500	0.0508		mg/L		102	80 - 120
Selenium, Dissolved	0.100	0.102		mg/L		102	80 - 120
Thallium, Dissolved	0.0500	0.0501		mg/L		100	80 - 120
Lithium, Dissolved	0.500	0.498		mg/L		100	80 - 120

Lab Sample ID: LCS 680-805672/2-A
Matrix: Water
Analysis Batch: 806228

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 805672

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron, Dissolved	0.400	0.372	J	mg/L		93	80 - 120

Lab Sample ID: 180-164520-4 MS
Matrix: Water
Analysis Batch: 806015

Client Sample ID: SW-6
Prep Type: Dissolved
Prep Batch: 805672

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic, Dissolved	0.0020	J	0.100	0.109		mg/L		107	75 - 125
Barium, Dissolved	0.086		0.100	0.193		mg/L		106	75 - 125
Beryllium, Dissolved	<0.00020		0.0500	0.0538		mg/L		108	75 - 125
Cadmium, Dissolved	<0.000078		0.0500	0.0515		mg/L		103	75 - 125
Calcium, Dissolved	210		5.00	213	4	mg/L		151	75 - 125
Chromium, Dissolved	<0.0012		0.100	0.104		mg/L		104	75 - 125
Cobalt, Dissolved	0.00027	J	0.0500	0.0525		mg/L		104	75 - 125
Molybdenum, Dissolved	0.0044	J	0.100	0.110		mg/L		106	75 - 125
Lead, Dissolved	0.0011	J B	0.500	0.480		mg/L		96	75 - 125
Antimony, Dissolved	<0.00034		0.0500	0.0549		mg/L		110	75 - 125
Selenium, Dissolved	<0.00099		0.100	0.103		mg/L		103	75 - 125
Thallium, Dissolved	<0.00026		0.0500	0.0536		mg/L		107	75 - 125
Lithium, Dissolved	0.068		0.500	0.598		mg/L		106	75 - 125

Lab Sample ID: 180-164520-4 MS
Matrix: Water
Analysis Batch: 806228

Client Sample ID: SW-6
Prep Type: Dissolved
Prep Batch: 805672

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron, Dissolved	2.1		0.400	2.28	4	mg/L		49	75 - 125

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

Lab Sample ID: 180-164520-4 MSD
Matrix: Water
Analysis Batch: 806015

Client Sample ID: SW-6
Prep Type: Dissolved
Prep Batch: 805672

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic, Dissolved	0.0020	J	0.100	0.114		mg/L		112	75 - 125	5	20
Barium, Dissolved	0.086		0.100	0.194		mg/L		108	75 - 125	1	20
Beryllium, Dissolved	<0.00020		0.0500	0.0552		mg/L		110	75 - 125	3	20
Cadmium, Dissolved	<0.000078		0.0500	0.0514		mg/L		103	75 - 125	0	20
Calcium, Dissolved	210		5.00	214	4	mg/L		167	75 - 125	0	20
Chromium, Dissolved	<0.0012		0.100	0.105		mg/L		104	75 - 125	1	20
Cobalt, Dissolved	0.00027	J	0.0500	0.0524		mg/L		104	75 - 125	0	20
Molybdenum, Dissolved	0.0044	J	0.100	0.111		mg/L		107	75 - 125	1	20
Lead, Dissolved	0.0011	J B	0.500	0.482		mg/L		96	75 - 125	0	20
Antimony, Dissolved	<0.00034		0.0500	0.0560		mg/L		112	75 - 125	2	20
Selenium, Dissolved	<0.00099		0.100	0.105		mg/L		105	75 - 125	1	20
Thallium, Dissolved	<0.00026		0.0500	0.0550		mg/L		110	75 - 125	2	20
Lithium, Dissolved	0.068		0.500	0.625		mg/L		111	75 - 125	4	20

Lab Sample ID: 180-164520-4 MSD
Matrix: Water
Analysis Batch: 806228

Client Sample ID: SW-6
Prep Type: Dissolved
Prep Batch: 805672

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron, Dissolved	2.1		0.400	2.40	4	mg/L		79	75 - 125	5	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-805067/1-A
Matrix: Water
Analysis Batch: 805414

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 805067

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.080		0.20	0.080	ug/L		10/27/23 14:39	10/30/23 11:13	1

Lab Sample ID: LCS 680-805067/2-A
Matrix: Water
Analysis Batch: 805414

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 805067

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury, Dissolved	2.50	2.48		ug/L		99	80 - 120

Lab Sample ID: MB 680-805086/1-A
Matrix: Water
Analysis Batch: 805414

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 805086

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.080		0.20	0.080	ug/L		10/27/23 15:12	10/30/23 11:56	1

Lab Sample ID: LCS 680-805086/2-A
Matrix: Water
Analysis Batch: 805414

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 805086

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	2.50	2.44		ug/L		98	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: 180-164148-34 MS
Matrix: Water
Analysis Batch: 805414

Client Sample ID: DUP-01
Prep Type: Dissolved
Prep Batch: 805067

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury, Dissolved	<0.080		1.00	0.925		ug/L		93	80 - 120

Lab Sample ID: 180-164148-34 MSD
Matrix: Water
Analysis Batch: 805414

Client Sample ID: DUP-01
Prep Type: Dissolved
Prep Batch: 805067

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury, Dissolved	<0.080		1.00	0.929		ug/L		93	80 - 120	0	20

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-450631/1-A
Matrix: Water
Analysis Batch: 450760

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 450631

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		10/31/23 13:05	11/01/23 13:16	1
Mercury, Dissolved	<0.00013		0.00020	0.00013	mg/L		10/31/23 13:05	11/01/23 13:16	1

Lab Sample ID: LCS 180-450631/2-A
Matrix: Water
Analysis Batch: 450760

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 450631

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00245		mg/L		98	80 - 120
Mercury, Dissolved	0.00250	0.00245		mg/L		98	80 - 120

Lab Sample ID: 180-164520-1 MS
Matrix: Water
Analysis Batch: 450760

Client Sample ID: SW-6
Prep Type: Total/NA
Prep Batch: 450631

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00013		0.00100	0.000914		mg/L		91	75 - 125
Mercury, Dissolved	<0.00013		0.00100	0.000914		mg/L		91	75 - 125

Lab Sample ID: 180-164520-1 MSD
Matrix: Water
Analysis Batch: 450760

Client Sample ID: SW-6
Prep Type: Total/NA
Prep Batch: 450631

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00013		0.00100	0.000937		mg/L		94	75 - 125	2	20
Mercury, Dissolved	<0.00013		0.00100	0.000937		mg/L		94	75 - 125	2	20

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

Lab Sample ID: MB 180-449825/1
Matrix: Water
Analysis Batch: 449825

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			10/20/23 21:08	1
Total Dissolved Solids Field Filtered	<10		10	10	mg/L			10/20/23 21:08	1

Lab Sample ID: LCS 180-449825/2
Matrix: Water
Analysis Batch: 449825

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	336	326		mg/L		97	85 - 115
Total Dissolved Solids Field Filtered	336	326		mg/L		97	85 - 115

Lab Sample ID: MB 180-449976/1
Matrix: Water
Analysis Batch: 449976

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			10/23/23 18:09	1
Total Dissolved Solids Field Filtered	<10		10	10	mg/L			10/23/23 18:09	1

Lab Sample ID: LCS 180-449976/2
Matrix: Water
Analysis Batch: 449976

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	336	330		mg/L		98	85 - 115
Total Dissolved Solids Field Filtered	336	330		mg/L		98	85 - 115

Lab Sample ID: MB 180-450082/1
Matrix: Water
Analysis Batch: 450082

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			10/24/23 14:07	1
Total Dissolved Solids Field Filtered	<10		10	10	mg/L			10/24/23 14:07	1

Lab Sample ID: LCS 180-450082/2
Matrix: Water
Analysis Batch: 450082

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	336	330		mg/L		98	85 - 115
Total Dissolved Solids Field Filtered	336	330		mg/L		98	85 - 115

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

Lab Sample ID: MB 180-450221/1
Matrix: Water
Analysis Batch: 450221

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			10/25/23 14:54	1

Lab Sample ID: LCS 180-450221/2
Matrix: Water
Analysis Batch: 450221

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	336	324		mg/L		96	85 - 115

Lab Sample ID: MB 180-450663/1
Matrix: Water
Analysis Batch: 450663

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			10/31/23 15:58	1
Total Dissolved Solids Field Filtered	<10		10	10	mg/L			10/31/23 15:58	1

Lab Sample ID: LCS 180-450663/2
Matrix: Water
Analysis Batch: 450663

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	336	310		mg/L		92	85 - 115
Total Dissolved Solids Field Filtered	336	310		mg/L		92	85 - 115

Lab Sample ID: MB 180-450666/1
Matrix: Water
Analysis Batch: 450666

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			10/31/23 16:17	1
Total Dissolved Solids Field Filtered	<10		10	10	mg/L			10/31/23 16:17	1

Lab Sample ID: LCS 180-450666/2
Matrix: Water
Analysis Batch: 450666

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	336	312		mg/L		93	85 - 115
Total Dissolved Solids Field Filtered	336	312		mg/L		93	85 - 115

HPLC/IC

Analysis Batch: 449836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164148-1	SW-1	Total/NA	Water	300.0	
180-164148-1	SW-1	Total/NA	Water	300.0	
180-164148-2	SW-1	Dissolved	Water	EPA 300.0 R2.1	
180-164148-2	SW-1	Dissolved	Water	EPA 300.0 R2.1	
180-164148-3	SW-1	Total/NA	Water	300.0	
180-164148-3	SW-1	Total/NA	Water	300.0	
180-164148-4	SW-1	Dissolved	Water	EPA 300.0 R2.1	
180-164148-4	SW-1	Dissolved	Water	EPA 300.0 R2.1	
180-164148-5	SW-2	Total/NA	Water	300.0	
180-164148-5	SW-2	Total/NA	Water	300.0	
180-164148-6	SW-2	Dissolved	Water	EPA 300.0 R2.1	
180-164148-6	SW-2	Dissolved	Water	EPA 300.0 R2.1	
180-164148-7	SW-2	Total/NA	Water	300.0	
180-164148-7	SW-2	Total/NA	Water	300.0	
180-164148-8	SW-2	Dissolved	Water	EPA 300.0 R2.1	
180-164148-8	SW-2	Dissolved	Water	EPA 300.0 R2.1	
180-164148-9	SW-3	Total/NA	Water	300.0	
180-164148-9	SW-3	Total/NA	Water	300.0	
MB 180-449836/6	Method Blank	Total/NA	Water	300.0	
LCS 180-449836/7	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 449837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164148-11	SW-3	Total/NA	Water	300.0	
180-164148-11	SW-3	Total/NA	Water	300.0	
180-164148-12	SW-3	Dissolved	Water	EPA 300.0 R2.1	
180-164148-12	SW-3	Dissolved	Water	EPA 300.0 R2.1	
180-164148-13	SW-4	Total/NA	Water	300.0	
180-164148-13	SW-4	Total/NA	Water	300.0	
180-164148-14	SW-4	Dissolved	Water	EPA 300.0 R2.1	
180-164148-14	SW-4	Dissolved	Water	EPA 300.0 R2.1	
180-164148-15	SW-5	Total/NA	Water	300.0	
180-164148-15	SW-5	Total/NA	Water	300.0	
180-164148-16	SW-5	Dissolved	Water	EPA 300.0 R2.1	
180-164148-16	SW-5	Dissolved	Water	EPA 300.0 R2.1	
180-164148-17	SW-5	Total/NA	Water	300.0	
180-164148-17	SW-5	Total/NA	Water	300.0	
180-164148-18	SW-5	Dissolved	Water	EPA 300.0 R2.1	
180-164148-18	SW-5	Dissolved	Water	EPA 300.0 R2.1	
MB 180-449837/6	Method Blank	Total/NA	Water	300.0	
LCS 180-449837/7	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 450035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164148-10	SW-3	Dissolved	Water	EPA 300.0 R2.1	
180-164148-10	SW-3	Dissolved	Water	EPA 300.0 R2.1	
180-164148-37	EB-01	Total/NA	Water	300.0	
180-164148-38	FB-01	Total/NA	Water	300.0	
MB 180-450035/36	Method Blank	Total/NA	Water	300.0	
LCS 180-450035/37	Lab Control Sample	Total/NA	Water	300.0	

HPLC/IC

Analysis Batch: 450167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164148-23	SW-9	Total/NA	Water	300.0	
180-164148-23	SW-9	Total/NA	Water	300.0	
180-164148-24	SW-9	Dissolved	Water	EPA 300.0 R2.1	
180-164148-24	SW-9	Dissolved	Water	EPA 300.0 R2.1	
180-164148-25	SW-9	Total/NA	Water	300.0	
180-164148-25	SW-9	Total/NA	Water	300.0	
180-164148-26	SW-9	Dissolved	Water	EPA 300.0 R2.1	
180-164148-26	SW-9	Dissolved	Water	EPA 300.0 R2.1	
180-164148-27	SW-10	Total/NA	Water	300.0	
180-164148-27	SW-10	Total/NA	Water	300.0	
180-164148-28	SW-10	Dissolved	Water	EPA 300.0 R2.1	
180-164148-28	SW-10	Dissolved	Water	EPA 300.0 R2.1	
180-164148-29	SW-11	Total/NA	Water	300.0	
180-164148-29	SW-11	Total/NA	Water	300.0	
180-164148-31	SW-12	Total/NA	Water	300.0	
180-164148-31	SW-12	Total/NA	Water	300.0	
180-164148-32	SW-12	Dissolved	Water	EPA 300.0 R2.1	
180-164148-32	SW-12	Dissolved	Water	EPA 300.0 R2.1	
180-164148-33	DUP-01	Total/NA	Water	300.0	
180-164148-33	DUP-01	Total/NA	Water	300.0	
180-164148-34	DUP-01	Dissolved	Water	EPA 300.0 R2.1	
180-164148-34	DUP-01	Dissolved	Water	EPA 300.0 R2.1	
180-164148-35	DUP-02	Total/NA	Water	300.0	
180-164148-35	DUP-02	Total/NA	Water	300.0	
180-164148-36	DUP-02	Dissolved	Water	EPA 300.0 R2.1	
180-164148-36	DUP-02	Dissolved	Water	EPA 300.0 R2.1	
MB 180-450167/46	Method Blank	Total/NA	Water	300.0	
MB 180-450167/6	Method Blank	Total/NA	Water	300.0	
LCS 180-450167/47	Lab Control Sample	Total/NA	Water	300.0	
LCS 180-450167/7	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 450294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164148-31	SW-12	Total/NA	Water	300.0	
180-164148-32	SW-12	Dissolved	Water	EPA 300.0 R2.1	
180-164148-33	DUP-01	Total/NA	Water	300.0	
180-164148-34	DUP-01	Dissolved	Water	EPA 300.0 R2.1	
180-164148-35	DUP-02	Total/NA	Water	300.0	
180-164148-36	DUP-02	Dissolved	Water	EPA 300.0 R2.1	
MB 180-450294/37	Method Blank	Total/NA	Water	300.0	
MB 180-450294/6	Method Blank	Total/NA	Water	300.0	
LCS 180-450294/38	Lab Control Sample	Total/NA	Water	300.0	
LCS 180-450294/7	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 450451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164520-9	SW-14	Total/NA	Water	300.0	
180-164520-9	SW-14	Total/NA	Water	300.0	
180-164520-10	SW-14	Dissolved	Water	EPA 300.0 R2.1	
180-164520-10	SW-14	Dissolved	Water	EPA 300.0 R2.1	
180-164520-11	SW-15	Total/NA	Water	300.0	

HPLC/IC (Continued)

Analysis Batch: 450451 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164520-11	SW-15	Total/NA	Water	300.0	
180-164520-12	SW-15	Dissolved	Water	EPA 300.0 R2.1	
180-164520-12	SW-15	Dissolved	Water	EPA 300.0 R2.1	
180-164520-13	SW-16	Total/NA	Water	300.0	
180-164520-13	SW-16	Total/NA	Water	300.0	
180-164520-14	SW-16	Dissolved	Water	EPA 300.0 R2.1	
180-164520-14	SW-16	Dissolved	Water	EPA 300.0 R2.1	
180-164520-15	SW-17	Total/NA	Water	300.0	
180-164520-15	SW-17	Total/NA	Water	300.0	
180-164520-16	SW-17	Dissolved	Water	EPA 300.0 R2.1	
180-164520-16	SW-17	Dissolved	Water	EPA 300.0 R2.1	
180-164520-17	DUP-03	Total/NA	Water	300.0	
180-164520-17	DUP-03	Total/NA	Water	300.0	
180-164520-18	DUP-03	Dissolved	Water	EPA 300.0 R2.1	
180-164520-18	DUP-03	Dissolved	Water	EPA 300.0 R2.1	
180-164520-19	EB-02	Total/NA	Water	300.0	
180-164520-20	FB-02	Total/NA	Water	300.0	
MB 180-450451/6	Method Blank	Total/NA	Water	300.0	
LCS 180-450451/7	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 450452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164520-1	SW-6	Total/NA	Water	300.0	
180-164520-1	SW-6	Total/NA	Water	300.0	
180-164520-2	SW-6	Dissolved	Water	EPA 300.0 R2.1	
180-164520-2	SW-6	Dissolved	Water	EPA 300.0 R2.1	
180-164520-3	SW-6	Total/NA	Water	300.0	
180-164520-3	SW-6	Total/NA	Water	300.0	
180-164520-4	SW-6	Dissolved	Water	EPA 300.0 R2.1	
180-164520-4	SW-6	Dissolved	Water	EPA 300.0 R2.1	
180-164520-5	SW-11	Total/NA	Water	300.0	
180-164520-5	SW-11	Total/NA	Water	300.0	
180-164520-6	SW-11	Dissolved	Water	EPA 300.0 R2.1	
180-164520-6	SW-11	Dissolved	Water	EPA 300.0 R2.1	
180-164520-7	SW-13	Total/NA	Water	300.0	
180-164520-7	SW-13	Total/NA	Water	300.0	
180-164520-8	SW-13	Dissolved	Water	EPA 300.0 R2.1	
180-164520-8	SW-13	Dissolved	Water	EPA 300.0 R2.1	
MB 180-450452/38	Method Blank	Total/NA	Water	300.0	
MB 180-450452/6	Method Blank	Total/NA	Water	300.0	
LCS 180-450452/39	Lab Control Sample	Total/NA	Water	300.0	
LCS 180-450452/7	Lab Control Sample	Total/NA	Water	300.0	

Metals

Prep Batch: 450631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164520-1	SW-6	Total/NA	Water	7470A	
180-164520-2	SW-6	Dissolved	Water	7470A	
180-164520-3	SW-6	Total/NA	Water	7470A	
180-164520-4	SW-6	Dissolved	Water	7470A	

Metals (Continued)

Prep Batch: 450631 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164520-5	SW-11	Total/NA	Water	7470A	
180-164520-6	SW-11	Dissolved	Water	7470A	
180-164520-7	SW-13	Total/NA	Water	7470A	
180-164520-8	SW-13	Dissolved	Water	7470A	
180-164520-9	SW-14	Total/NA	Water	7470A	
180-164520-10	SW-14	Dissolved	Water	7470A	
180-164520-11	SW-15	Total/NA	Water	7470A	
180-164520-12	SW-15	Dissolved	Water	7470A	
180-164520-13	SW-16	Total/NA	Water	7470A	
180-164520-14	SW-16	Dissolved	Water	7470A	
180-164520-15	SW-17	Total/NA	Water	7470A	
180-164520-16	SW-17	Dissolved	Water	7470A	
180-164520-17	DUP-03	Total/NA	Water	7470A	
180-164520-18	DUP-03	Dissolved	Water	7470A	
180-164520-19	EB-02	Total/NA	Water	7470A	
180-164520-20	FB-02	Total/NA	Water	7470A	
MB 180-450631/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-450631/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-164520-1 MS	SW-6	Total/NA	Water	7470A	
180-164520-1 MSD	SW-6	Total/NA	Water	7470A	

Analysis Batch: 450760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164520-1	SW-6	Total/NA	Water	EPA 7470A	450631
180-164520-2	SW-6	Dissolved	Water	EPA 7470A	450631
180-164520-3	SW-6	Total/NA	Water	EPA 7470A	450631
180-164520-4	SW-6	Dissolved	Water	EPA 7470A	450631
180-164520-5	SW-11	Total/NA	Water	EPA 7470A	450631
180-164520-6	SW-11	Dissolved	Water	EPA 7470A	450631
180-164520-7	SW-13	Total/NA	Water	EPA 7470A	450631
180-164520-8	SW-13	Dissolved	Water	EPA 7470A	450631
180-164520-9	SW-14	Total/NA	Water	EPA 7470A	450631
180-164520-10	SW-14	Dissolved	Water	EPA 7470A	450631
180-164520-11	SW-15	Total/NA	Water	EPA 7470A	450631
180-164520-12	SW-15	Dissolved	Water	EPA 7470A	450631
180-164520-13	SW-16	Total/NA	Water	EPA 7470A	450631
180-164520-14	SW-16	Dissolved	Water	EPA 7470A	450631
180-164520-15	SW-17	Total/NA	Water	EPA 7470A	450631
180-164520-16	SW-17	Dissolved	Water	EPA 7470A	450631
180-164520-17	DUP-03	Total/NA	Water	EPA 7470A	450631
180-164520-18	DUP-03	Dissolved	Water	EPA 7470A	450631
180-164520-19	EB-02	Total/NA	Water	EPA 7470A	450631
180-164520-20	FB-02	Total/NA	Water	EPA 7470A	450631
MB 180-450631/1-A	Method Blank	Total/NA	Water	EPA 7470A	450631
LCS 180-450631/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	450631
180-164520-1 MS	SW-6	Total/NA	Water	EPA 7470A	450631
180-164520-1 MSD	SW-6	Total/NA	Water	EPA 7470A	450631

Prep Batch: 804419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164148-37	EB-01	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 804419 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164148-38	FB-01	Total Recoverable	Water	3005A	
MB 680-804419/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-804419/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 804424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164148-1	SW-1	Total Recoverable	Water	3005A	
180-164148-3	SW-1	Total Recoverable	Water	3005A	
180-164148-5	SW-2	Total Recoverable	Water	3005A	
180-164148-7	SW-2	Total Recoverable	Water	3005A	
180-164148-9	SW-3	Total Recoverable	Water	3005A	
180-164148-11	SW-3	Total Recoverable	Water	3005A	
180-164148-13	SW-4	Total Recoverable	Water	3005A	
180-164148-15	SW-5	Total Recoverable	Water	3005A	
180-164148-17	SW-5	Total Recoverable	Water	3005A	
180-164148-23	SW-9	Total Recoverable	Water	3005A	
180-164148-25	SW-9	Total Recoverable	Water	3005A	
MB 680-804424/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-804424/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 804425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164148-2	SW-1	Dissolved	Water	3005A	
180-164148-4	SW-1	Dissolved	Water	3005A	
180-164148-6	SW-2	Dissolved	Water	3005A	
180-164148-8	SW-2	Dissolved	Water	3005A	
180-164148-10	SW-3	Dissolved	Water	3005A	
180-164148-12	SW-3	Dissolved	Water	3005A	
180-164148-14	SW-4	Dissolved	Water	3005A	
180-164148-16	SW-5	Dissolved	Water	3005A	
180-164148-18	SW-5	Dissolved	Water	3005A	
180-164148-24	SW-9	Dissolved	Water	3005A	
180-164148-26	SW-9	Dissolved	Water	3005A	
180-164148-28	SW-10	Dissolved	Water	3005A	
180-164148-32	SW-12	Dissolved	Water	3005A	
180-164148-34	DUP-01	Dissolved	Water	3005A	
180-164148-36	DUP-02	Dissolved	Water	3005A	

Prep Batch: 804530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164148-27	SW-10	Total Recoverable	Water	3005A	
180-164148-29	SW-11	Total Recoverable	Water	3005A	
180-164148-31	SW-12	Total Recoverable	Water	3005A	
180-164148-33	DUP-01	Total Recoverable	Water	3005A	
180-164148-35	DUP-02	Total Recoverable	Water	3005A	
MB 680-804530/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-804530/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 680-804530/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	

Metals

Analysis Batch: 804717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164148-2	SW-1	Dissolved	Water	6020B	804425
180-164148-4	SW-1	Dissolved	Water	6020B	804425
180-164148-6	SW-2	Dissolved	Water	6020B	804425
180-164148-8	SW-2	Dissolved	Water	6020B	804425
180-164148-10	SW-3	Dissolved	Water	6020B	804425
180-164148-12	SW-3	Dissolved	Water	6020B	804425
180-164148-14	SW-4	Dissolved	Water	6020B	804425
180-164148-16	SW-5	Dissolved	Water	6020B	804425
180-164148-18	SW-5	Dissolved	Water	6020B	804425
180-164148-24	SW-9	Dissolved	Water	6020B	804425
180-164148-26	SW-9	Dissolved	Water	6020B	804425
180-164148-27	SW-10	Total Recoverable	Water	6020B	804530
180-164148-28	SW-10	Dissolved	Water	6020B	804425
180-164148-29	SW-11	Total Recoverable	Water	6020B	804530
180-164148-31	SW-12	Total Recoverable	Water	6020B	804530
180-164148-32	SW-12	Dissolved	Water	6020B	804425
180-164148-33	DUP-01	Total Recoverable	Water	6020B	804530
180-164148-34	DUP-01	Dissolved	Water	6020B	804425
180-164148-35	DUP-02	Total Recoverable	Water	6020B	804530
180-164148-36	DUP-02	Dissolved	Water	6020B	804425
180-164148-37	EB-01	Total Recoverable	Water	6020B	804419
180-164148-38	FB-01	Total Recoverable	Water	6020B	804419
MB 680-804419/1-A	Method Blank	Total Recoverable	Water	6020B	804419
MB 680-804530/1-A	Method Blank	Total Recoverable	Water	6020B	804530
LCS 680-804419/2-A	Lab Control Sample	Total Recoverable	Water	6020B	804419
LCS 680-804530/2-A	Lab Control Sample	Total Recoverable	Water	6020B	804530
LCSD 680-804530/3-A	Lab Control Sample Dup	Total Recoverable	Water	6020B	804530

Analysis Batch: 804759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164148-1	SW-1	Total Recoverable	Water	6020B	804424
180-164148-3	SW-1	Total Recoverable	Water	6020B	804424
180-164148-5	SW-2	Total Recoverable	Water	6020B	804424
180-164148-7	SW-2	Total Recoverable	Water	6020B	804424
180-164148-9	SW-3	Total Recoverable	Water	6020B	804424
180-164148-11	SW-3	Total Recoverable	Water	6020B	804424
180-164148-13	SW-4	Total Recoverable	Water	6020B	804424
180-164148-15	SW-5	Total Recoverable	Water	6020B	804424
180-164148-17	SW-5	Total Recoverable	Water	6020B	804424
180-164148-23	SW-9	Total Recoverable	Water	6020B	804424
180-164148-25	SW-9	Total Recoverable	Water	6020B	804424
MB 680-804424/1-A	Method Blank	Total Recoverable	Water	6020B	804424
LCS 680-804424/2-A	Lab Control Sample	Total Recoverable	Water	6020B	804424

Analysis Batch: 804906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164148-29	SW-11	Total Recoverable	Water	6020B	804530
180-164148-35	DUP-02	Total Recoverable	Water	6020B	804530
180-164148-37	EB-01	Total Recoverable	Water	6020B	804419
180-164148-38	FB-01	Total Recoverable	Water	6020B	804419

Metals

Prep Batch: 805067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164148-2	SW-1	Dissolved	Water	7470A	
180-164148-4	SW-1	Dissolved	Water	7470A	
180-164148-6	SW-2	Dissolved	Water	7470A	
180-164148-8	SW-2	Dissolved	Water	7470A	
180-164148-10	SW-3	Dissolved	Water	7470A	
180-164148-12	SW-3	Dissolved	Water	7470A	
180-164148-14	SW-4	Dissolved	Water	7470A	
180-164148-16	SW-5	Dissolved	Water	7470A	
180-164148-18	SW-5	Dissolved	Water	7470A	
180-164148-24	SW-9	Dissolved	Water	7470A	
180-164148-26	SW-9	Dissolved	Water	7470A	
180-164148-28	SW-10	Dissolved	Water	7470A	
180-164148-32	SW-12	Dissolved	Water	7470A	
180-164148-34	DUP-01	Dissolved	Water	7470A	
180-164148-36	DUP-02	Dissolved	Water	7470A	
MB 680-805067/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-805067/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-164148-34 MS	DUP-01	Dissolved	Water	7470A	
180-164148-34 MSD	DUP-01	Dissolved	Water	7470A	

Prep Batch: 805086

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164148-1	SW-1	Total/NA	Water	7470A	
180-164148-3	SW-1	Total/NA	Water	7470A	
180-164148-5	SW-2	Total/NA	Water	7470A	
180-164148-7	SW-2	Total/NA	Water	7470A	
180-164148-9	SW-3	Total/NA	Water	7470A	
180-164148-11	SW-3	Total/NA	Water	7470A	
180-164148-13	SW-4	Total/NA	Water	7470A	
180-164148-15	SW-5	Total/NA	Water	7470A	
180-164148-17	SW-5	Total/NA	Water	7470A	
180-164148-23	SW-9	Total/NA	Water	7470A	
180-164148-25	SW-9	Total/NA	Water	7470A	
180-164148-27	SW-10	Total/NA	Water	7470A	
180-164148-29	SW-11	Total/NA	Water	7470A	
180-164148-31	SW-12	Total/NA	Water	7470A	
180-164148-33	DUP-01	Total/NA	Water	7470A	
180-164148-35	DUP-02	Total/NA	Water	7470A	
180-164148-37	EB-01	Total/NA	Water	7470A	
180-164148-38	FB-01	Total/NA	Water	7470A	
MB 680-805086/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-805086/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 805227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164148-6	SW-2	Dissolved	Water	6020B	804425
180-164148-12	SW-3	Dissolved	Water	6020B	804425
180-164148-18	SW-5	Dissolved	Water	6020B	804425

Metals

Analysis Batch: 805230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164148-33	DUP-01	Total Recoverable	Water	6020B	804530

Analysis Batch: 805414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164148-1	SW-1	Total/NA	Water	7470A	805086
180-164148-2	SW-1	Dissolved	Water	7470A	805067
180-164148-3	SW-1	Total/NA	Water	7470A	805086
180-164148-4	SW-1	Dissolved	Water	7470A	805067
180-164148-5	SW-2	Total/NA	Water	7470A	805086
180-164148-6	SW-2	Dissolved	Water	7470A	805067
180-164148-7	SW-2	Total/NA	Water	7470A	805086
180-164148-8	SW-2	Dissolved	Water	7470A	805067
180-164148-9	SW-3	Total/NA	Water	7470A	805086
180-164148-10	SW-3	Dissolved	Water	7470A	805067
180-164148-11	SW-3	Total/NA	Water	7470A	805086
180-164148-12	SW-3	Dissolved	Water	7470A	805067
180-164148-13	SW-4	Total/NA	Water	7470A	805086
180-164148-14	SW-4	Dissolved	Water	7470A	805067
180-164148-15	SW-5	Total/NA	Water	7470A	805086
180-164148-16	SW-5	Dissolved	Water	7470A	805067
180-164148-17	SW-5	Total/NA	Water	7470A	805086
180-164148-18	SW-5	Dissolved	Water	7470A	805067
180-164148-23	SW-9	Total/NA	Water	7470A	805086
180-164148-24	SW-9	Dissolved	Water	7470A	805067
180-164148-25	SW-9	Total/NA	Water	7470A	805086
180-164148-26	SW-9	Dissolved	Water	7470A	805067
180-164148-27	SW-10	Total/NA	Water	7470A	805086
180-164148-28	SW-10	Dissolved	Water	7470A	805067
180-164148-29	SW-11	Total/NA	Water	7470A	805086
180-164148-31	SW-12	Total/NA	Water	7470A	805086
180-164148-32	SW-12	Dissolved	Water	7470A	805067
180-164148-33	DUP-01	Total/NA	Water	7470A	805086
180-164148-34	DUP-01	Dissolved	Water	7470A	805067
180-164148-35	DUP-02	Total/NA	Water	7470A	805086
180-164148-36	DUP-02	Dissolved	Water	7470A	805067
180-164148-37	EB-01	Total/NA	Water	7470A	805086
180-164148-38	FB-01	Total/NA	Water	7470A	805086
MB 680-805067/1-A	Method Blank	Total/NA	Water	7470A	805067
MB 680-805086/1-A	Method Blank	Total/NA	Water	7470A	805086
LCS 680-805067/2-A	Lab Control Sample	Total/NA	Water	7470A	805067
LCS 680-805086/2-A	Lab Control Sample	Total/NA	Water	7470A	805086
180-164148-34 MS	DUP-01	Dissolved	Water	7470A	805067
180-164148-34 MSD	DUP-01	Dissolved	Water	7470A	805067

Prep Batch: 805666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164520-1	SW-6	Total Recoverable	Water	3005A	
MB 680-805666/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-805666/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Metals

Prep Batch: 805667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164520-3	SW-6	Total Recoverable	Water	3005A	
180-164520-5	SW-11	Total Recoverable	Water	3005A	
180-164520-7	SW-13	Total Recoverable	Water	3005A	
180-164520-9	SW-14	Total Recoverable	Water	3005A	
180-164520-11	SW-15	Total Recoverable	Water	3005A	
180-164520-13	SW-16	Total Recoverable	Water	3005A	
180-164520-15	SW-17	Total Recoverable	Water	3005A	
180-164520-17	DUP-03	Total Recoverable	Water	3005A	
180-164520-19	EB-02	Total Recoverable	Water	3005A	
180-164520-20	FB-02	Total Recoverable	Water	3005A	
MB 680-805667/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-805667/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 805672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164520-2	SW-6	Dissolved	Water	3005A	
180-164520-4	SW-6	Dissolved	Water	3005A	
180-164520-6	SW-11	Dissolved	Water	3005A	
180-164520-8	SW-13	Dissolved	Water	3005A	
180-164520-10	SW-14	Dissolved	Water	3005A	
180-164520-12	SW-15	Dissolved	Water	3005A	
180-164520-14	SW-16	Dissolved	Water	3005A	
180-164520-16	SW-17	Dissolved	Water	3005A	
180-164520-18	DUP-03	Dissolved	Water	3005A	
MB 680-805672/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-805672/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-164520-4 MS	SW-6	Dissolved	Water	3005A	
180-164520-4 MSD	SW-6	Dissolved	Water	3005A	

Analysis Batch: 806015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164520-1	SW-6	Total Recoverable	Water	6020B	805666
180-164520-2	SW-6	Dissolved	Water	6020B	805672
180-164520-3	SW-6	Total Recoverable	Water	6020B	805667
180-164520-4	SW-6	Dissolved	Water	6020B	805672
180-164520-5	SW-11	Total Recoverable	Water	6020B	805667
180-164520-6	SW-11	Dissolved	Water	6020B	805672
180-164520-7	SW-13	Total Recoverable	Water	6020B	805667
180-164520-8	SW-13	Dissolved	Water	6020B	805672
180-164520-9	SW-14	Total Recoverable	Water	6020B	805667
180-164520-10	SW-14	Dissolved	Water	6020B	805672
180-164520-11	SW-15	Total Recoverable	Water	6020B	805667
180-164520-12	SW-15	Dissolved	Water	6020B	805672
180-164520-13	SW-16	Total Recoverable	Water	6020B	805667
180-164520-14	SW-16	Dissolved	Water	6020B	805672
180-164520-15	SW-17	Total Recoverable	Water	6020B	805667
180-164520-16	SW-17	Dissolved	Water	6020B	805672
180-164520-17	DUP-03	Total Recoverable	Water	6020B	805667
180-164520-18	DUP-03	Dissolved	Water	6020B	805672
180-164520-19	EB-02	Total Recoverable	Water	6020B	805667
180-164520-20	FB-02	Total Recoverable	Water	6020B	805667

Metals (Continued)

Analysis Batch: 806015 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-805666/1-A	Method Blank	Total Recoverable	Water	6020B	805666
MB 680-805667/1-A	Method Blank	Total Recoverable	Water	6020B	805667
MB 680-805672/1-A	Method Blank	Total Recoverable	Water	6020B	805672
LCS 680-805666/2-A	Lab Control Sample	Total Recoverable	Water	6020B	805666
LCS 680-805667/2-A	Lab Control Sample	Total Recoverable	Water	6020B	805667
LCS 680-805672/2-A	Lab Control Sample	Total Recoverable	Water	6020B	805672
180-164520-4 MS	SW-6	Dissolved	Water	6020B	805672
180-164520-4 MSD	SW-6	Dissolved	Water	6020B	805672

Analysis Batch: 806097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164520-1	SW-6	Total Recoverable	Water	6020B	805666
MB 680-805666/1-A	Method Blank	Total Recoverable	Water	6020B	805666
LCS 680-805666/2-A	Lab Control Sample	Total Recoverable	Water	6020B	805666

Analysis Batch: 806228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164520-2	SW-6	Dissolved	Water	6020B	805672
180-164520-3	SW-6	Total Recoverable	Water	6020B	805667
180-164520-4	SW-6	Dissolved	Water	6020B	805672
180-164520-5	SW-11	Total Recoverable	Water	6020B	805667
180-164520-6	SW-11	Dissolved	Water	6020B	805672
180-164520-7	SW-13	Total Recoverable	Water	6020B	805667
180-164520-8	SW-13	Dissolved	Water	6020B	805672
180-164520-9	SW-14	Total Recoverable	Water	6020B	805667
180-164520-10	SW-14	Dissolved	Water	6020B	805672
180-164520-11	SW-15	Total Recoverable	Water	6020B	805667
180-164520-12	SW-15	Dissolved	Water	6020B	805672
180-164520-13	SW-16	Total Recoverable	Water	6020B	805667
180-164520-14	SW-16	Dissolved	Water	6020B	805672
180-164520-15	SW-17	Total Recoverable	Water	6020B	805667
180-164520-16	SW-17	Dissolved	Water	6020B	805672
180-164520-17	DUP-03	Total Recoverable	Water	6020B	805667
180-164520-18	DUP-03	Dissolved	Water	6020B	805672
180-164520-19	EB-02	Total Recoverable	Water	6020B	805667
180-164520-20	FB-02	Total Recoverable	Water	6020B	805667
MB 680-805667/1-A	Method Blank	Total Recoverable	Water	6020B	805667
MB 680-805672/1-A	Method Blank	Total Recoverable	Water	6020B	805672
LCS 680-805667/2-A	Lab Control Sample	Total Recoverable	Water	6020B	805667
LCS 680-805672/2-A	Lab Control Sample	Total Recoverable	Water	6020B	805672
180-164520-4 MS	SW-6	Dissolved	Water	6020B	805672
180-164520-4 MSD	SW-6	Dissolved	Water	6020B	805672

General Chemistry

Analysis Batch: 449825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164148-2	SW-1	Dissolved	Water	SM 2540C	
180-164148-3	SW-1	Total/NA	Water	SM 2540C	
180-164148-4	SW-1	Dissolved	Water	SM 2540C	
180-164148-5	SW-2	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 449825 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164148-6	SW-2	Dissolved	Water	SM 2540C	
MB 180-449825/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-449825/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 449976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164148-7	SW-2	Total/NA	Water	SM 2540C	
180-164148-8	SW-2	Dissolved	Water	SM 2540C	
180-164148-9	SW-3	Total/NA	Water	SM 2540C	
180-164148-10	SW-3	Dissolved	Water	SM 2540C	
180-164148-11	SW-3	Total/NA	Water	SM 2540C	
180-164148-12	SW-3	Dissolved	Water	SM 2540C	
180-164148-13	SW-4	Total/NA	Water	SM 2540C	
180-164148-14	SW-4	Dissolved	Water	SM 2540C	
180-164148-15	SW-5	Total/NA	Water	SM 2540C	
180-164148-16	SW-5	Dissolved	Water	SM 2540C	
180-164148-17	SW-5	Total/NA	Water	SM 2540C	
180-164148-18	SW-5	Dissolved	Water	SM 2540C	
180-164148-23	SW-9	Total/NA	Water	SM 2540C	
180-164148-24	SW-9	Dissolved	Water	SM 2540C	
180-164148-25	SW-9	Total/NA	Water	SM 2540C	
180-164148-26	SW-9	Dissolved	Water	SM 2540C	
MB 180-449976/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-449976/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 450082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164148-27	SW-10	Total/NA	Water	SM 2540C	
180-164148-28	SW-10	Dissolved	Water	SM 2540C	
180-164148-29	SW-11	Total/NA	Water	SM 2540C	
180-164148-31	SW-12	Total/NA	Water	SM 2540C	
180-164148-32	SW-12	Dissolved	Water	SM 2540C	
180-164148-33	DUP-01	Total/NA	Water	SM 2540C	
180-164148-34	DUP-01	Dissolved	Water	SM 2540C	
180-164148-35	DUP-02	Total/NA	Water	SM 2540C	
180-164148-36	DUP-02	Dissolved	Water	SM 2540C	
180-164148-37	EB-01	Total/NA	Water	SM 2540C	
180-164148-38	FB-01	Total/NA	Water	SM 2540C	
MB 180-450082/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-450082/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 450221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164148-1	SW-1	Total/NA	Water	SM 2540C	
MB 180-450221/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-450221/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 450663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164520-1	SW-6	Total/NA	Water	SM 2540C	
180-164520-2	SW-6	Dissolved	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 450663 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164520-3	SW-6	Total/NA	Water	SM 2540C	
180-164520-4	SW-6	Dissolved	Water	SM 2540C	
180-164520-5	SW-11	Total/NA	Water	SM 2540C	
180-164520-6	SW-11	Dissolved	Water	SM 2540C	
180-164520-7	SW-13	Total/NA	Water	SM 2540C	
180-164520-8	SW-13	Dissolved	Water	SM 2540C	
MB 180-450663/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-450663/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 450666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164520-9	SW-14	Total/NA	Water	SM 2540C	
180-164520-10	SW-14	Dissolved	Water	SM 2540C	
180-164520-11	SW-15	Total/NA	Water	SM 2540C	
180-164520-12	SW-15	Dissolved	Water	SM 2540C	
180-164520-13	SW-16	Total/NA	Water	SM 2540C	
180-164520-14	SW-16	Dissolved	Water	SM 2540C	
180-164520-15	SW-17	Total/NA	Water	SM 2540C	
180-164520-16	SW-17	Dissolved	Water	SM 2540C	
180-164520-17	DUP-03	Total/NA	Water	SM 2540C	
180-164520-18	DUP-03	Dissolved	Water	SM 2540C	
180-164520-19	EB-02	Total/NA	Water	SM 2540C	
180-164520-20	FB-02	Total/NA	Water	SM 2540C	
MB 180-450666/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-450666/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Field Service / Mobile Lab

Analysis Batch: 451761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164148-1	SW-1	Total/NA	Water	Field Sampling	
180-164148-3	SW-1	Total/NA	Water	Field Sampling	
180-164148-5	SW-2	Total/NA	Water	Field Sampling	
180-164148-7	SW-2	Total/NA	Water	Field Sampling	
180-164148-9	SW-3	Total/NA	Water	Field Sampling	
180-164148-11	SW-3	Total/NA	Water	Field Sampling	
180-164148-13	SW-4	Total/NA	Water	Field Sampling	
180-164148-15	SW-5	Total/NA	Water	Field Sampling	
180-164148-17	SW-5	Total/NA	Water	Field Sampling	
180-164148-23	SW-9	Total/NA	Water	Field Sampling	
180-164148-25	SW-9	Total/NA	Water	Field Sampling	
180-164148-27	SW-10	Total/NA	Water	Field Sampling	

Analysis Batch: 451766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164520-1	SW-6	Total/NA	Water	Field Sampling	
180-164520-3	SW-6	Total/NA	Water	Field Sampling	
180-164520-5	SW-11	Total/NA	Water	Field Sampling	
180-164520-7	SW-13	Total/NA	Water	Field Sampling	
180-164520-9	SW-14	Total/NA	Water	Field Sampling	
180-164520-11	SW-15	Total/NA	Water	Field Sampling	

Field Service / Mobile Lab (Continued)

Analysis Batch: 451766 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164520-13	SW-16	Total/NA	Water	Field Sampling	
180-164520-15	SW-17	Total/NA	Water	Field Sampling	

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Rick Hayendorf / Kevin Beaty	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 1 of 5
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: Alabama				
Phone: 205 992 6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Watson Surfacewater	Project #: 18020186			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissolved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined	****Dissolved Samples are Field Filtered****	Total Number of containers	Special Instr
			Preservation Code:													
SW-1	10-17-23	1557	G	W	No	X	X	X	X						4	Depth-1'
SW-1	10-17-23	1610	G	W	Yes					X	X	X	X		4	Depth-1'
SW-1	10-17-23	1619	G	W	No	X	X	X	X						4	Depth-7'
SW-1	10-17-23	1631	G	W	Yes					X	X	X	X		4	Depth-7'
SW-2	10-17-23	1508	G	W	No	X	X	X	X						4	Depth-1'
SW-2	10-17-23	1520	G	W	Yes					X	X	X	X		4	Depth-1'
SW-2	10-17-23	1530	G	W	No	X	X	X	X						4	Depth-7'
SW-2	10-17-23	1541	G	W	Yes					X	X	X	X		4	Depth-7'
SW-3	10-17-23	0925	G	W	No	X	X	X	X						4	Depth-1'
SW-3	10-17-23	0939	G	W	Yes					X	X	X	X		4	Depth-1'
SW-3	10-17-23	0950	G	W	No	X	X	X	X						4	Depth-4'

180-164148 Chain of Custody

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

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

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

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment.

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	10-18-23 1635	EDH ENV.		10-19-23 0929	
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by	Date/Time	Company

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

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information			
Client Contact: SCS Contacts	Sampler: Rick & Laura Heyendorfe / Kevin Beaty	Lab PM: Brown, Shali	Carrier Tracking No(s):
Company: SCS	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com	COC No:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:		Page: 2 of 5
City: Birmingham	TAT Requested (days):		Job #:
State, Zip: Alabama			
Phone: 205 992 6283	PO #:		
Email: SCS Contacts	WO #:		
Project Name: Watson Surfacewater	Project #: 18020186		
Site:	SSOW#:		

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	[redacted]	Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissoved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined	****Dissolved Samples are Field Filtered****	Total Number of containers	Special Instructions/Note:
			Preservation Code:														
SW-3	10-17-23	1003	G	W	YES						X	X	X	X		4	Depth-4'
SW-4	10-17-23	1153	G	W	NO		X	X	X	X						4	Depth-1.5"
SW-4	10-17-23	1222	G	W	YES						X	X	X	X		4	Depth-1.5"
SW-5	10-17-23	0759	G	W	NO		X	X	X	X						4	Depth-1'
SW-5	10-17-23	0833	G	W	YES						X	X	X	X		4	Depth-1'
SW-5	10-17-23	0850	G	W	NO		X	X	X	X						4	Depth-13'
SW-5	10-17-23	0902	G	W	YES						X	X	X	X		4	Depth-13'
SW-6	10-17-23	0934	G	W	NO		X	X	X	X						4	Depth-1'
SW-6	10-17-23	0949	G	W	YES						X	X	X	X		4	Depth-1'
SW-6	10-17-23	1000	G	W	NO		X	X	X	X						4	Depth-9.5"
SW-6	10-17-23	1013	G	W	YES						X	X	X	X		4	Depth-9.5"

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

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

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

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

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date:	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	10-18-23 1635	RDH EMV.	[signature]	10-19-23 0920	EB Pitt

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

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Alec + Laura / Kevin Hagendorfer / Beaty	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 3 of 5
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: Alabama				
Phone: 205 992 6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Watson Surfacewater	Project #: 18020186			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissolved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined	****Dissolved Samples are Field Filtered****	Total Number of containers	Special Instructions/Note:
			Preservation Code:													
SW-9	10-17-23	1238	G	W	NO	X	X	X	X						4	Depth-1'
SW-9	10-17-23	1251	G	W	YES					X	X	X	X		4	Depth-1'
SW-9	10-17-23	1302	G	W	NO	X	X	X	X						4	Depth-4'
SW-9	10-17-23	1322	G	W	YES					X	X	X	X		4	Depth-4'
SW-10	10-17-23	1206	G	W	NO	X	X	X	X						4	Depth-2'
SW-10	10-17-23	1220	G	W	YES					X	X	X	X		4	Depth-2'
SW-11	10-17-23	1131	G	W	NO	X	X	X	X						4	Depth-1'
SW-11	10-17-23	1144	G	W	YES					X	X	X	X		4	Depth-1'
SW-12	10-17-23	1039	G	W	NO	X	X	X	X						4	Depth-1'
SW-12	10-17-23	1100	G	W	YES					X	X	X	X		4	Depth-1'
~~SW-13~~ ROH 10-18-23	10-17-23		G	W	NO	X	X	X	X						4	Depth-1' No sample collected

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

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

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

Special Instructions/QC Requirements

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

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	10-14-23 1635	EM		10-14-23 0920	
Relinquished by:	Date/Time	Company	Received by:	Date/Time.	Company
Relinquished by:	Date/Time	Company	Received by	Date/Time	Company

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

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Kirk Flowa / Hagendorfer / Kevin Beaty	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 4 of 5
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: Alabama				
Phone: 205 992 6283	PO #			
Email: SCS Contacts	WO #			
Project Name: Watson Surfacewater	Project #: 18020186			
Site	SSOW#:			

Analysis Requested

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Preservation Code:	Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissolved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined	****Dissolved Samples are Field Filtered****	Special Instructions/Note:
SW-13	10-17-23		G	W	YES					X	X	X	X		Depth-1'
SW-14	10-17-23		G	W	NO	X	X	X	X						Depth-1.5" no sample collected
SW-14	10-17-23		G	W	YES					X	X	X	X		Depth-1.5"
SW-15	10-17-23		G	W	NO	X	X	X	X						Depth-1.5"
SW-15	10-17-23		G	W	YES					X	X	X	X		Depth-1.5"
SW-16	10-17-23		G	W	NO	X	X	X	X						Depth-1.5"
SW-16	10-17-23		G	W	YES					X	X	X	X		Depth-1.5"
SW-17	10-17-23		G	W	NO	X	X	X	X						Depth-1'
SW-17 RDH 10-18-23	10-17-23		G	W	YES					X	X	X	X		Depth-1' RDH 10-18-23
DUP-01	10-17-23	0939	G	W	NO	X	X	X	X						
DUP-01	10-17-23	1000	G	W	YES					X	X	X	X		

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

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

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

Special Instructions/QC Requirements.

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	Relinquished by:	10-18-23 1635	RDH ENV.		10-19-23 0930	
	Relinquished by	Date/Time	Company	Received by	Date/Time:	Company
	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

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

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Rick + Lara Hogendorfer / Kevin Beaty	Lab PM: Brown, Shali	Carrier Tracking No(s)	COC No
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali brown@eurofinset.com		Page: 5 of 5
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: Alabama				
Phone: 205 992 6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Watson Surfacewater	Project #: 18020186			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA

M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

****Dissolved Samples are Field Filtered****

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)		Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissoved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined	Special Instructions/Note:
			Preservation Code:											
Dup-02	10-17-23	1053	G	W	NO	X	X	X	X					
Dup-02	10-17-23	1122	G	W	YES					X	X	X	X	
~~Dup-03~~ RDH 10-18-23	10-17-23		G	W	NO	X	X	X	X					No sample collected
~~Dup-03~~ RDH 10-18-23	10-17-23		G	W	YES					X	X	X	X	No sample collected
EB-01	10-17-23	0815	G	W	NO	X	X	X	X					
FB-01	10-17-23	0810	G	W	NO	X	X	X	X					
EB-02	10-17-23		G	W	NO	X	X	X	X					
FB-02	10-17-23		G	W	NO	X	X	X	X					

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

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

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

Special Instructions/QC Requirements.

Empty Kit Relinquished by:		Date:		Time:	Method of Shipment:
Relinquished by: [signature]	Date/Time: 10-18-23 1635	Company: RDH EM.	Received by: [signature]	Date/Time: 10-19-23 0920	Company: EETA
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

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

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh

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

Chain of Custody Record

180-164520 Chain of Custody

eurofins | Environment Testing America

Client Information			
Client Contact: SCS Contacts	Sampler: Rick Hagendorfer	Lab PM: Brown, Shali	
	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com	1 of 2
Company: SCS			Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:		
City: Birmingham	TAT Requested (days):		
State, Zip: Alabama			
Phone: 205 992.6283	PO #:		
Email: SCS Contacts	WO #:		
Project Name: Watson Surfacewater	Project #: 18020186		
Site:	SSOW#:		

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA

M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered	Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissoved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined	****Dissolved Samples are Field Filtered****	Special Instructions/Note:
			Preservation Code:												
SW-6	10-25-23	1615	G	water	No	X	X	X	X						Depth-1'
SW-6	10-25-23	1630	G	water	Yes					X	X	X	X		Depth-1'
SW-6	10-25-23	1701	G	water	No	X	X	X	X						Depth-9'5"
SW-6	10-25-23	1720	G	water	Yes					X	X	X	X		Depth-9'5"
SW-11	10-25-23	1513	G	water	No	X	X	X	X						Depth-1'
SW-11	10-25-23	1530	G	water	Yes					X	X	X	X		Depth-1'
SW-13	10-25-23	1437	G	water	No	X	X	X	X						Depth-1'
SW-13	10-25-23	1450	G	water	Yes					X	X	X	X		Depth-1'
SW-14	10-25-23	1316	G	water	No	X	X	X	X						Depth-1.5"
SW-14	10-25-23	1335	G	water	Yes					X	X	X	X		Depth-1.5"
SW-15	10-25-23	1356	G	water	No	X	X	X	X						Depth-1.5"

Possible Hazard Identification

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For ________ Months

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

Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time	Method of Shipment:		
Relinquished by: [signature]	Date/Time: 10-26-23 1715	Company: ROH GW	Received by: [signature]	Date/Time: 10-27-23 0910	Company: EETA
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time.	Company

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

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Rick Hagendorfer	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 2 of 2
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: Alabama				
Phone: 205 992.6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Watson Surfacewater	Project #: 18020186			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissolved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined			****Dissolved Samples are Field Filtered****			Special Instructions/Note:
			Preservation Code:															
SW-15	10-25-23	1408	G	water YES					X	X	X	X						Depth - 1' 5"
SW-16	10 25-23	1211	G	water NO	X	X	X	X										Depth - 1' 5"
SW-16	10-25-23	1237	G	water YES					X	X	X	X						Depth - 1' 5"
SW-17	10-25-23	1127	G	water NO	X	X	X	X										Depth - 1'
SW-17	10-25-23	1146	G	water YES					X	X	X	X						Depth - 1'
Dup-03	10-25-23	1111	G	water NO	X	X	X	X										
Dup-03	10-25-23	1137	G	water YES					X	X	X	X						
EB-02	10-25-23	1023	G	water NO	X	X	X	X										
FB-02	10-25-23	1016	G	water NO	X	X	X	X										

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

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

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

Special Instructions/QC Requirements.

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	10-26-23 1715	EHEW.	[signature]	10-27-23 0910	EPI PAK
2	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
3	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

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

Ver: 01/16/2019

ORIGIN ID:BIXA (850) 336-0192
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18OCT23
ACTWGT: 70.00 LB
CAD: 6993799/SSFE2441
DIMS: 24x13x13 IN
BILL THIRD PARTY

Part # 156297-435 RRDB2 EXP 05/24

TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR

PITTSBURGH PA 15238
(850) 336-0192 REF:
INV:
PO: DEPT:

FedEx Express
E
J234023101501uv

Uncorrected temp 2.2 °C
Thermometer ID 22
CF -0.4 Initials KK
PT-WI-SR-001 effective 11/8/18

THU - 19 OCT 10:30A
PRIORITY OVERNIGHT

3 of 9
MPS# 0263 7852 3774 9078
Mstr# 7852 3774 9056 0201

XS AGCA

15238
PA-US PIT

Do not lift using this ta

ORIGIN ID:BIXA (850) 336-0192
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18OCT23
ACTWGT: 70.00 LB
CAD: 6993799/SSFE244
DIMS: 24x13x13 IN
BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR

PITTSBURGH PA 15238
(850) 336-0192 REF:
INV:
PO: DEPT:

Uncorrected temp 2.5 °C
Thermometer ID 22
CF -0.4 Initials KK
PT-WI-SR-001 effective 11/8/18

Fe

THU - 19 OCT 1
PRIORITY OVERN

1 of 9
TRK# 0201 7852 3774 9056
MASTER

XS AGCA

1
PA-US

180-164148 Waybill

ORIGIN ID:BIXA (850) 336-0192
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18OCT23
ACTWGT: 70.00 LB
CAD: 6993799/SSFE2441
DIMS: 24x13x13 IN
BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR

PITTSBURGH PA 15238
(850) 336-0192 REF:
INV:
PO: DEPT:

Part # 156297-435 [illegible] EXP 05/24

Uncorrected temp 3.6 °C
Thermometer ID 22
CF -0.4 Initials [illegible]
PT-WI-SR-001 effective 11/8/18

FedEx Express
E
J234023101501uv

5 of 9
MPS# 7852 3774 9090
0263
Mstr# 7852 3774 9056
0201

THU - 19 OCT 10:30A
PRIORITY OVERNIGHT

XS AGCA

15238
PA-US PIT

RT 198
FZ 197
1 10:30
9090 10.19
A

ORIGIN ID:BIXA (850) 336-0192
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18OCT23
ACTWGT: 70.00 LB
CAD: 6993799/SSFE2441
DIMS: 24x13x13 IN
BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR

PITTSBURGH PA 15238
(850) 336-0192 REF:
INV:
PO: DEPT:

Part # 156297-435 [illegible] EXP 05/24

Uncorrected temp 3.4 °C
Thermometer ID 22
CF -0.4 Initials [illegible]
PT-WI-SR-001 effective 11/8/18

FedEx Express
E
J234023101501uv

7 of 9
MPS# 7852 3774 9115
0263
Mstr# 7852 3774 9056
0201

THU - 19 OCT 10:30A
PRIORITY OVERNIGHT

XS AGCA

15238
PA-US PIT

ORIGIN ID:BIXA (850) 336-0192
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18OCT23
ACTWGT: 70.00 LB
CAD: 6993799/SSFE2441
DIMS: 24x13x13 IN
BILL THIRD PARTY

Part # 156297-435 RRDB2 EXP 05/24

TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR

PITTSBURGH PA 15238
(850) 336-0192 REF:
INV:
PO: DEPT:

Uncorrected temp 3.7 °C
Thermometer ID 22
CF -0.4 Initials [handwritten initials]
PT-WI-SR-001 effective 11/8/18

FedEx Express E

J234023101501uv

4 of 9
MPS# 0263 7852 3774 9089
Mstr# 7852 3774 9056
0201

THU - 19 OCT 10:30A
PRIORITY OVERNIGHT

XS AGCA
15238
PA-US PIT

ORIGIN ID:BIXA (850) 336-0192
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18OCT23
ACTWGT: 70.00 LB
CAD: 6993799/SSFE2441
DIMS: 24x13x13 IN
BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR

PITTSBURGH PA 15238
(850) 336-0192 REF:
INV:
PO: DEPT:

Uncorrected temp 2.8 °C
Thermometer ID 22
CF -0.4 Initials [handwritten initials]
PT-WI-SR-001 effective 11/8/18

FedEx Express E

9 of 9
MPS# 0263 7852 3774 9137
Mstr# 7852 3774 9056
0201

THU - 19 OCT 10:30A
PRIORITY OVERNIGHT

XS AGCA
15238
PA-US PIT

UNITED STATES US

TO

TESTAMERICA PITTSBURGH LAB
301 ALPHA DR

PITTSBURGH PA 15238
(850) 336-0192 REF:
INV:
PO: DEPT:

Uncorrected temp 4.5 °C
Thermometer ID 22
CF -0.4 Initials MR

PT-WI-SR-001 effective 11/8/18

FedEx Express

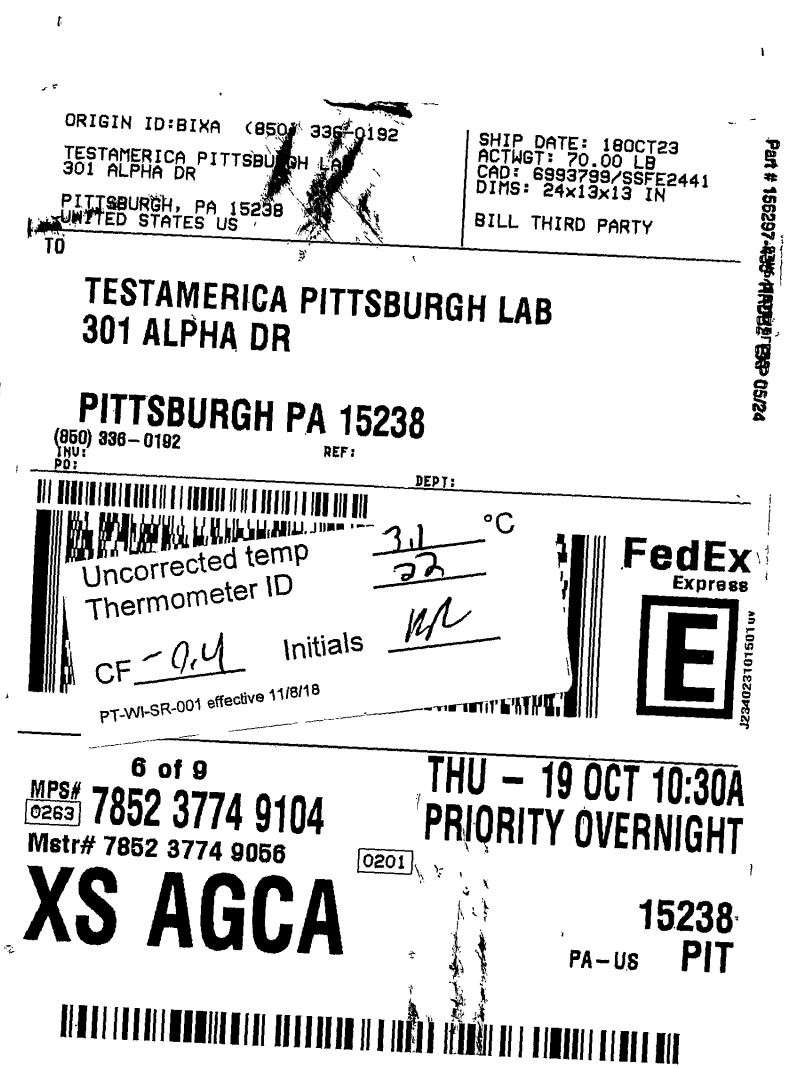
8 of 9
MPS# 0263 7852 3774 9126
Mstr# 7852 3774 9056

THU - 19 OCT 10:30A
PRIORITY OVERNIGHT

0201

XS AGCA

15238
PA-US PIT



ORIGIN ID:BIXA (850) 336-0192
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18OCT23
ACTWGT: 70.00 LB
CAD: 6993799/SSFE2441
DIMS: 24x13x13 IN

BILL THIRD PARTY

TO

TESTAMERICA PITTSBURGH LAB
301 ALPHA DR

PITTSBURGH PA 15238
(850) 336-0192 REF:
INV:
PO: DEPT:

Uncorrected temp 3.1 °C
Thermometer ID 22
CF -0.4 Initials MR

PT-WI-SR-001 effective 11/8/18

FedEx Express

6 of 9
MPS# 0263 7852 3774 9104
Mstr# 7852 3774 9056

THU - 19 OCT 10:30A
PRIORITY OVERNIGHT

0201

XS AGCA

15238
PA-US PIT

Do not lift using this tag.

ORIGIN ID:BIXA (850) 336-0192
RICK HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 26OCT23
ACTWGT: 70.20 LB
CAD: 6993800/SSFE2441
DIMS: 24x13x13 IN

BILL THIRD PARTY

Part # 156297-[illegible] EXP 05/24

TO **RICK HAGENDORFER**
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH PA 15238
(850) 336-0192 REF:
INV:
PO: DEPT:

Uncorrected temp 2.1 °C
Thermometer ID 29
CF -0.15 Initials NR
PT-WI-SR-001 effective 11/8/18

FedEx Express
E
J234023101501uv

2 of 5
MPS# 0263 7855 9564 4420
Mstr# 7855 9564 4410 0201

FRI - 27 OCT 10:30A
PRIORITY OVERNIGHT
AHS
15238
PA-US PIT

XS AGCA

Do not lift using this tag.

ORIGIN ID:BIXA (850) 336-0192
RICK HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 26OCT23
ACTWGT: 70.20 LB
CAD: 6993800/SSFE2441
DIMS: 24x13x13 IN

BILL THIRD PARTY

Part # 156297-[illegible] EXP 05/24

TO **RICK HAGENDORFER**
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH PA 15238
(850) 336-0192 REF:
INV:
PO: DEPT:

Uncorrected temp 5.4 °C
Thermometer ID 20
CF -0.5 Initials NR
PT-WI-SR-001 effective 11/8/18

FedEx Express
E
J234023101501uv

3 of 5
MPS# 0263 7855 9564 4431
Mstr# 7855 9564 4410 0201

FRI - 27 OCT 10:30A
PRIORITY OVERNIGHT
AHS
15238
PA-US PIT

XS AGCA

180-164520 Waybill

Do not lift using this tag.

ORIGIN ID:BIXA (850) 336-0192
RICK HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 26OCT23
ACTWGT: 70.20 LB
CAD: 6993800/SSFE2441
DIMS: 24x13x13 IN

BILL THIRD PARTY

TO RICK HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH PA 15238
(850) 336-0192 REF:
INV:
PO: DEPT:

Part # 156297-435 RRDB2 EXP 05/24

FedEx Express

E

J234023101501uv

Uncorrected temp 1.3 °C
Thermometer ID 20
CF -0.5 Initials NC
PT-WI-SR-001 effective 11/8/18

5 of 5
MPS# 0263 7855 9564 4453
Mstr# 7855 9564 4410
0201

FRI – 27 OCT 10:30A
PRIORITY OVERNIGHT
AHS
15238
PA-US PIT

XS AGCA

Do not lift using this tag.

ORIGIN ID:BIXA (850) 336-0192
RICK HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 26OCT23
ACTWGT: 70.20 LB
CAD: 6993800/SSFE2441
DIMS: 24x13x13 IN

BILL THIRD PARTY

TO RICK HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH PA 15238
(850) 336-0192 REF:
INV:
PO: DEPT:

Part # 156297-435 RRDB2 EXP 05/24

E

J234023101501uv

4 of 5
MPS# 0263 7855 9564 4442
Mstr# 7855 9564 4410
0201

FRI – 27 OCT 10:30A
PRIORITY OVERNIGHT
AHS
15238
PA-US PIT

XS AGCA

Uncorrected temp 1.6 °C
Thermometer ID 22
CF -0.4 Initials PM
PT-WI-SR-001 effective 11/8/18

RT 198 1 10:30 A
FZ 197 4442 10.27


Do not lift using this tag.
ORIGIN ID:BIXA (850) 336-0192
RICK HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US
SHIP DATE: 26OCT23
ACTWGT: 70.20 LB
CAD: 6993800/SSFE2441
DIMS: 24x13x13 IN
BILL THIRD PARTY
TO RICK HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH PA 15238
(850) 336-0192
REF:
INV:
PO:
DEPT:
Uncorrected temp 1.1 °C
Thermometer ID 20
CF -0.5 Initials
FedEx Express
1 of 5
TRK# 0201 7855 9564 4410
FRI - 27 OCT 10:30A
PRIORITY OVERNIGHT
MASTER
XS AGCA
AHS
15238
PA-US PIT
RT 198
10:30 A
4410
10.27
FZ 197

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 180-498172.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 1 of 4
Company: Eurofins Environment Testing Southeast,		Accreditations Required (See note):		Job #: 180-164148-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 11/1/2023			
City: Savannah	TAT Requested (days):			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #:			
Email:	WO #:			
Project Name: Plant Watson Surfacewater	Project #: 18020186			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3005A Custom 14 (App III & IV)	7470A/7470A_Prep Mercury (CVAA)	6020B/FIELD_FLTRD Custom 14 (App III & IV) Field Filtered	7470A/FIELD_FLTRD Mercury (CVAA) Dissolved	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
SW-1 (180-164148-1)	10/17/23	15:57 Eastern		Water			X	X			1	
SW-1 (180-164148-2)	10/17/23	16:10 Eastern		Water					X	X	1	
SW-1 (180-164148-3)	10/17/23	16:19 Eastern		Water			X	X			1	
SW-1 (180-164148-4)	10/17/23	16:31 Eastern		Water					X	X	1	
SW-2 (180-164148-5)	10/17/23	15:08 Eastern		Water			X	X			1	
SW-2 (180-164148-6)	10/17/23	15:20 Eastern		Water					X	X	1	
SW-2 (180-164148-7)	10/17/23	15:30 Eastern		Water			X	X			1	
SW-2 (180-164148-8)	10/17/23	15:41 Eastern		Water					X	X	1	
SW-3 (180-164148-9)	10/17/23	09:25 Eastern		Water			X	X			1	

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

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

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

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	10/23/23 1700		14	10-24-23	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 10:02	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.4 - 0.7

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 180-498172.4
Client Contact: Shipping/Receiving	Phone:	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 4 of 4
Company: Eurofins Environment Testing Southeast,		Accreditations Required (See note):		Job #: 180-164148-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 11/1/2023			
City: Savannah	TAT Requested (days):			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #:			
Email:	WO #:			
Project Name: Plant Watson Surfacewater	Project #: 18020186			
Site:	SSOW#:			

Preservation Codes:

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

Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3005A Custom 14 (App III & IV)	7470A/7470A_Prep Mercury (CVAA)	6020B/FIELD_FLTRD Custom 14 (App III & IV) Field Filtered	7470A/FIELD_FLTRD Mercury (CVAA) Dissolved	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
DUP-01 (180-164148-33)	10/17/23	09:39 Eastern		Water			X	X			1	
DUP-01 (180-164148-34)	10/17/23	10:00 Eastern		Water					X	X	1	
DUP-02 (180-164148-35)	10/17/23	10:53 Eastern		Water			X	X			1	
DUP-02 (180-164148-36)	10/17/23	11:22 Eastern		Water					X	X	1	
EB-01 (180-164148-37)	10/17/23	08:15 Eastern		Water			X	X			1	
FB-01 (180-164148-38)	10/17/23	08:10 Eastern		Water			X	X			1	

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

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

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	10/23/23 700		IH	10-24-23	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				10:02	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.4 - 0.7

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 180-498172.3
Client Contact: Shipping/Receiving	Phone:	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 3 of 4
Company: Eurofins Environment Testing Southeast,		Accreditations Required (See note):		Job #: 180-164148-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 11/1/2023			
City: Savannah	TAT Requested (days):			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #:			
Email:	WO #:			
Project Name: Plant Watson Surfacewater	Project #: 18020186			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3005A Custom 14 (App III & IV)	7470A/7470A_Prep Mercury (CVAA)	6020B/FIELD_FLTRD Custom 14 (App III & IV) Field Filtered	7470A/FIELD_FLTRD Mercury (CVAA) Dissolved	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
SW-9 (180-164148-23)	10/17/23	12:38 Eastern		Water			X	X			1	
SW-9 (180-164148-24)	10/17/23	12:51 Eastern		Water					X	X	1	
SW-9 (180-164148-25)	10/17/23	13:02 Eastern		Water			X	X			1	
SW-9 (180-164148-26)	10/17/23	13:22 Eastern		Water					X	X	1	
SW-10 (180-164148-27)	10/17/23	12:06 Eastern		Water			X	X			1	
SW-10 (180-164148-28)	10/17/23	12:20 Eastern		Water					X	X	1	
SW-11 (180-164148-29)	10/17/23	11:31 Eastern		Water			X	X			1	
SW-12 (180-164148-31)	10/17/23	10:39 Eastern		Water			X	X			1	
SW-12 (180-164148-32)	10/17/23	11:00 Eastern		Water					X	X	1	

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

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

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 10/25/23 1700	Company	Received by: IH	Date/Time: 10-24-23	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 10:02	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 5.4 - 0.7

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 180-498172.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 2 of 4
Company: Eurofins Environment Testing Southeast,		Accreditations Required (See note):		Job #: 180-164148-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 11/1/2023			
City: Savannah	TAT Requested (days):			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #:			
Email:	WO #:			
Project Name: Plant Watson Surfacewater	Project #: 18020186			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3005A Custom 14 (App III & IV)	7470A/7470A_Prep Mercury (CVAA)	6020B/FIELD_FLTRD Custom 14 (App III & IV) Field Filtered	7470A/FIELD_FLTRD Mercury (CVAA) Dissolved	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
SW-3 (180-164148-10)	10/17/23	09:39 Eastern		Water					X	X	1	
SW-3 (180-164148-11)	10/17/23	09:50 Eastern		Water			X	X			1	
SW-3 (180-164148-12)	10/17/23	10:03 Eastern		Water					X	X	1	
SW-4 (180-164148-13)	10/17/23	11:53 Eastern		Water			X	X			1	
SW-4 (180-164148-14)	10/17/23	12:22 Eastern		Water					X	X	1	
SW-5 (180-164148-15)	10/17/23	07:59 Eastern		Water			X	X			1	
SW-5 (180-164148-16)	10/17/23	08:33 Eastern		Water					X	X	1	
SW-5 (180-164148-17)	10/17/23	08:50 Eastern		Water			X	X			1	
SW-5 (180-164148-18)	10/17/23	09:02 Eastern		Water					X	X	1	

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

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

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:				
Relinquished by:	Date/Time: 10/23/23 1700	Company	Received by:		Date/Time: 10-24-23	Company
Relinquished by:	Date/Time:	Company	Received by:		Date/Time: 10:08	Company
Relinquished by:	Date/Time:	Company	Received by:		Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:	0.4 - 0.7		

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-164148-1

Login Number: 164148
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

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

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-164148-1

Login Number: 164148
List Number: 2
Creator: Harley, Tynisha

List Source: Eurofins Savannah
List Creation: 10/24/23 12:44 PM

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

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-164148-1

Login Number: 164520
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

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

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-164148-1

Login Number: 164520
List Number: 2
Creator: Harley, Tynisha

List Source: Eurofins Savannah
List Creation: 10/31/23 12:26 PM

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/7/2023 2:28:44 PM

JOB DESCRIPTION

Plant Watson Ash Pond Surfacewater

JOB NUMBER

180-164148-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

Job Notes

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

PA Lab ID: 02-00416

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

Authorization

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

Table of Contents

Job ID: 180-164148-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-164148-2

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt
The samples were received on 10/19/2023 9:20 AM and 10/27/2023 9:10 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 13 coolers at receipt time were 0.6°C, 0.8°C, 1.2°C, 1.6°C, 2.1°C, 2.4°C, 2.7°C, 2.8°C, 3.0°C, 3.2°C, 3.3°C, 4.1°C and 4.9°C

Receipt Exceptions
The following samples were listed on the Chain of Custody (COC); however, no samples were received as a result of a lost cooler in transit. All analyses were placed on hold for these samples until further notice. <comma merge>

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

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

Definitions/Glossary

Client: Southern Company
Job ID: 180-164148-2
Project/Site: Plant Watson Ash Pond Surfacewater

Qualifiers

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

Glossary

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

Accreditation/Certification Summary

Client: Southern Company
Job ID: 180-164148-2
Project/Site: Plant Watson Ash Pond Surfacewater

Laboratory: Eurofins St. Louis

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-25
ANAB	Dept. of Defense ELAP	L2305	04-06-25
ANAB	Dept. of Energy	L2305.01	04-06-25
ANAB	ISO/IEC 17025	L2305	04-06-25
Arizona	State	AZ0813	12-08-23
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-24
Connecticut	State	PH-0241	03-31-25
Florida	NELAP	E87689	06-30-24
HI - RadChem Recognition	State	n/a	06-30-24
Illinois	NELAP	200023	11-30-24
Iowa	State	373	12-01-24
Kansas	NELAP	E-10236	10-31-24
Kentucky (DW)	State	KY90125	12-31-23
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-23
Louisiana	NELAP	04080	06-30-22 *
Louisiana (All)	NELAP	04080	06-30-24
Louisiana (DW)	State	LA011	12-31-23
Maryland	State	310	09-30-24
Massachusetts	State	M-MO054	06-30-24
MI - RadChem Recognition	State	9005	06-30-24
Missouri	State	780	06-30-25
Nevada	State	MO000542020-1	07-31-24
New Jersey	NELAP	MO002	06-30-24
New Mexico	State	MO00054	06-30-24
New York	NELAP	11616	03-31-24
North Carolina (DW)	State	29700	07-31-24
North Dakota	State	R-207	06-30-24
Oklahoma	NELAP	9997	08-31-24
Oregon	NELAP	4157	09-01-24
Pennsylvania	NELAP	68-00540	02-28-24
South Carolina	State	85002001	06-30-24
Texas	NELAP	T104704193	07-31-24
US Fish & Wildlife	US Federal Programs	058448	07-31-24
USDA	US Federal Programs	P330-17-00028	05-18-26
Utah	NELAP	MO000542021-14	07-31-24
Virginia	NELAP	10310	06-15-25
Washington	State	C592	08-30-24
West Virginia DEP	State	381	12-31-23

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

Sample Summary

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

Job ID: 180-164148-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-164148-1	SW-1	Water	10/17/23 15:57	10/19/23 09:20
180-164148-2	SW-1	Water	10/17/23 16:10	10/19/23 09:20
180-164148-3	SW-1	Water	10/17/23 16:19	10/19/23 09:20
180-164148-4	SW-1	Water	10/17/23 16:31	10/19/23 09:20
180-164148-5	SW-2	Water	10/17/23 15:08	10/19/23 09:20
180-164148-6	SW-2	Water	10/17/23 15:20	10/19/23 09:20
180-164148-7	SW-2	Water	10/17/23 15:30	10/19/23 09:20
180-164148-8	SW-2	Water	10/17/23 15:41	10/19/23 09:20
180-164148-9	SW-3	Water	10/17/23 09:25	10/19/23 09:20
180-164148-10	SW-3	Water	10/17/23 09:39	10/19/23 09:20
180-164148-11	SW-3	Water	10/17/23 09:50	10/19/23 09:20
180-164148-12	SW-3	Water	10/17/23 10:03	10/19/23 09:20
180-164148-13	SW-4	Water	10/17/23 11:53	10/19/23 09:20
180-164148-14	SW-4	Water	10/17/23 12:22	10/19/23 09:20
180-164148-15	SW-5	Water	10/17/23 07:59	10/19/23 09:20
180-164148-16	SW-5	Water	10/17/23 08:33	10/19/23 09:20
180-164148-17	SW-5	Water	10/17/23 08:50	10/19/23 09:20
180-164148-18	SW-5	Water	10/17/23 09:02	10/19/23 09:20
180-164148-23	SW-9	Water	10/17/23 12:38	10/19/23 09:20
180-164148-24	SW-9	Water	10/17/23 12:51	10/19/23 09:20
180-164148-25	SW-9	Water	10/17/23 13:02	10/19/23 09:20
180-164148-26	SW-9	Water	10/17/23 13:22	10/19/23 09:20
180-164148-27	SW-10	Water	10/17/23 12:06	10/19/23 09:20
180-164148-28	SW-10	Water	10/17/23 12:20	10/19/23 09:20
180-164148-29	SW-11	Water	10/17/23 11:31	10/19/23 09:20
180-164148-31	SW-12	Water	10/17/23 10:39	10/19/23 09:20
180-164148-32	SW-12	Water	10/17/23 11:00	10/19/23 09:20
180-164148-33	DUP-01	Water	10/17/23 09:39	10/19/23 09:20
180-164148-34	DUP-01	Water	10/17/23 10:00	10/19/23 09:20
180-164148-35	DUP-02	Water	10/17/23 10:53	10/19/23 09:20
180-164148-36	DUP-02	Water	10/17/23 11:22	10/19/23 09:20
180-164148-37	EB-01	Water	10/17/23 08:15	10/19/23 09:20
180-164148-38	FB-01	Water	10/17/23 08:10	10/19/23 09:20
180-164520-1	SW-6	Water	10/25/23 16:25	10/27/23 09:10
180-164520-2	SW-6	Water	10/25/23 16:30	10/27/23 09:10
180-164520-3	SW-6	Water	10/25/23 17:01	10/27/23 09:10
180-164520-4	SW-6	Water	10/25/23 17:20	10/27/23 09:10
180-164520-5	SW-11	Water	10/25/23 15:13	10/27/23 09:10
180-164520-6	SW-11	Water	10/25/23 15:30	10/27/23 09:10
180-164520-7	SW-13	Water	10/25/23 14:37	10/27/23 09:10
180-164520-8	SW-13	Water	10/25/23 14:50	10/27/23 09:10
180-164520-9	SW-14	Water	10/25/23 13:16	10/27/23 09:10
180-164520-10	SW-14	Water	10/25/23 13:35	10/27/23 09:10
180-164520-11	SW-15	Water	10/25/23 13:56	10/27/23 09:10
180-164520-12	SW-15	Water	10/25/23 14:08	10/27/23 09:10
180-164520-13	SW-16	Water	10/25/23 12:11	10/27/23 09:10
180-164520-14	SW-16	Water	10/25/23 12:30	10/27/23 09:10
180-164520-15	SW-17	Water	10/25/23 11:27	10/27/23 09:10
180-164520-16	SW-17	Water	10/25/23 11:46	10/27/23 09:10
180-164520-17	DUP-03	Water	10/25/23 11:11	10/27/23 09:10
180-164520-18	DUP-03	Water	10/25/23 11:37	10/27/23 09:10
180-164520-19	EB-02	Water	10/25/23 10:23	10/27/23 09:10
180-164520-20	FB-02	Water	10/25/23 10:16	10/27/23 09:10

Method Summary

Client: Southern Company
Job ID: 180-164148-2
Project/Site: Plant Watson Ash Pond Surfacewater

Method	Method Description	Protocol	Laboratory
9315	Radium-226 (GFPC)	SW846	EET SL
9320	Radium-228 (GFPC)	SW846	EET SL
Ra226_Ra228	Combined Radium-226 and Radium-228	TAL-STL	EET SL
Ra226_Ra228 (D)	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

None = None

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

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Lab Chronicle

Client: Southern Company
Job ID: 180-164148-2
Project/Site: Plant Watson Ash Pond Surfacewater

Client Sample ID: SW-1
Lab Sample ID: 180-164148-1
Date Collected: 10/17/23 15:57
Matrix: Water
Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			750.08 mL	1.0 g	634316	10/30/23 11:09	KAC	EET SL
Total/NA	Analysis	9315		1			637608	11/21/23 07:11	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			750.08 mL	1.0 g	634318	10/30/23 11:16	KAC	EET SL
Total/NA	Analysis	9320		1			636700	11/14/23 11:42	CMM	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			637784	11/21/23 16:13	EMH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-1
Lab Sample ID: 180-164148-2
Date Collected: 10/17/23 16:10
Matrix: Water
Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			1000.27 mL	1.0 g	633550	10/26/23 07:12	ASG	EET SL
Dissolved	Analysis	9315		1			637571	11/20/23 19:19	FLC	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			1000.27 mL	1.0 g	633552	10/26/23 07:12	ASG	EET SL
Dissolved	Analysis	9320		1			634757	11/01/23 16:21	FLC	EET SL
	Instrument ID: GFPCORANGE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			637791	11/21/23 17:16	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-1
Lab Sample ID: 180-164148-3
Date Collected: 10/17/23 16:19
Matrix: Water
Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			755.95 mL	1.0 g	634316	10/30/23 11:09	KAC	EET SL
Total/NA	Analysis	9315		1			637608	11/21/23 07:11	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			755.95 mL	1.0 g	634318	10/30/23 11:16	KAC	EET SL
Total/NA	Analysis	9320		1			636700	11/14/23 11:43	CMM	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			637784	11/21/23 16:13	EMH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-1
Lab Sample ID: 180-164148-4
Date Collected: 10/17/23 16:31
Matrix: Water
Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			753.72 mL	1.0 g	634316	10/30/23 11:09	KAC	EET SL
Dissolved	Analysis	9315		1			637608	11/21/23 07:11	FLC	EET SL
	Instrument ID: GFPCRED									

Lab Chronicle

Client: Southern Company
Job ID: 180-164148-2
Project/Site: Plant Watson Ash Pond Surfacewater

Client Sample ID: SW-1
Lab Sample ID: 180-164148-4
Date Collected: 10/17/23 16:31
Matrix: Water
Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep_0			753.72 mL	1.0 g	634318	10/30/23 11:16	KAC	EET SL
Dissolved	Analysis	9320		1			636700	11/14/23 11:43	CMM	EET SL
	Instrument ID: GFPCRED									
Dissolved	Analysis	Ra226_Ra228 (D)		1			637789	11/21/23 17:15	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-2
Lab Sample ID: 180-164148-5
Date Collected: 10/17/23 15:08
Matrix: Water
Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			744.45 mL	1.0 g	634316	10/30/23 11:09	KAC	EET SL
Total/NA	Analysis	9315		1			637733	11/21/23 07:21	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			744.45 mL	1.0 g	634318	10/30/23 11:16	KAC	EET SL
Total/NA	Analysis	9320		1			636700	11/14/23 11:43	CMM	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			637784	11/21/23 16:13	EMH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-2
Lab Sample ID: 180-164148-6
Date Collected: 10/17/23 15:20
Matrix: Water
Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			749.09 mL	1.0 g	634316	10/30/23 11:09	KAC	EET SL
Dissolved	Analysis	9315		1			637733	11/21/23 07:21	FLC	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			749.09 mL	1.0 g	634318	10/30/23 11:16	KAC	EET SL
Dissolved	Analysis	9320		1			636700	11/14/23 11:43	CMM	EET SL
	Instrument ID: GFPCRED									
Dissolved	Analysis	Ra226_Ra228 (D)		1			637789	11/21/23 17:15	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-2
Lab Sample ID: 180-164148-7
Date Collected: 10/17/23 15:30
Matrix: Water
Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			746.81 mL	1.0 g	634316	10/30/23 11:09	KAC	EET SL
Total/NA	Analysis	9315		1			637733	11/21/23 07:21	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			746.81 mL	1.0 g	634318	10/30/23 11:16	KAC	EET SL
Total/NA	Analysis	9320		1			636700	11/14/23 11:43	CMM	EET SL
	Instrument ID: GFPCRED									

Lab Chronicle

Client: Southern Company
Job ID: 180-164148-2
Project/Site: Plant Watson Ash Pond Surfacewater

Client Sample ID: SW-2
Lab Sample ID: 180-164148-7
Date Collected: 10/17/23 15:30
Matrix: Water
Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Ra226_Ra228		1			637784	11/21/23 16:13	EMH	EET SL

Client Sample ID: SW-2
Lab Sample ID: 180-164148-8
Date Collected: 10/17/23 15:41
Matrix: Water
Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			746.01 mL	1.0 g	634316	10/30/23 11:09	KAC	EET SL
Dissolved	Analysis	9315		1			637733	11/21/23 07:20	FLC	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			746.01 mL	1.0 g	634318	10/30/23 11:16	KAC	EET SL
Dissolved	Analysis	9320		1			636700	11/14/23 11:44	CMM	EET SL
	Instrument ID: GFPCRED									
Dissolved	Analysis	Ra226_Ra228 (D)		1			637789	11/21/23 17:15	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-3
Lab Sample ID: 180-164148-9
Date Collected: 10/17/23 09:25
Matrix: Water
Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			761.63 mL	1.0 g	634316	10/30/23 11:09	KAC	EET SL
Total/NA	Analysis	9315		1			637733	11/21/23 07:20	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			761.63 mL	1.0 g	634318	10/30/23 11:16	KAC	EET SL
Total/NA	Analysis	9320		1			636700	11/14/23 11:44	CMM	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			637784	11/21/23 16:13	EMH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-3
Lab Sample ID: 180-164148-10
Date Collected: 10/17/23 09:39
Matrix: Water
Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			764.53 mL	1.0 g	634316	10/30/23 11:09	KAC	EET SL
Dissolved	Analysis	9315		1			637733	11/21/23 07:20	FLC	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			764.53 mL	1.0 g	634318	10/30/23 11:16	KAC	EET SL
Dissolved	Analysis	9320		1			636700	11/14/23 11:44	CMM	EET SL
	Instrument ID: GFPCRED									
Dissolved	Analysis	Ra226_Ra228 (D)		1			637789	11/21/23 17:15	SCB	EET SL
	Instrument ID: NOEQUIP									

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

Job ID: 180-164148-2

Client Sample ID: SW-3

Lab Sample ID: 180-164148-11

Date Collected: 10/17/23 09:50

Matrix: Water

Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			750.88 mL	1.0 g	634316	10/30/23 11:09	KAC	EET SL
Total/NA	Analysis	9315		1			637733	11/21/23 07:20	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			750.88 mL	1.0 g	634318	10/30/23 11:16	KAC	EET SL
Total/NA	Analysis	9320		1			636700	11/14/23 11:44	CMM	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			637784	11/21/23 16:13	EMH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-3

Lab Sample ID: 180-164148-12

Date Collected: 10/17/23 10:03

Matrix: Water

Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			751.26 mL	1.0 g	634316	10/30/23 11:09	KAC	EET SL
Dissolved	Analysis	9315		1			637733	11/21/23 07:20	FLC	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			751.26 mL	1.0 g	634318	10/30/23 11:16	KAC	EET SL
Dissolved	Analysis	9320		1			636700	11/14/23 11:44	CMM	EET SL
	Instrument ID: GFPCRED									
Dissolved	Analysis	Ra226_Ra228 (D)		1			637789	11/21/23 17:15	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-4

Lab Sample ID: 180-164148-13

Date Collected: 10/17/23 11:53

Matrix: Water

Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			751.10 mL	1.0 g	634316	10/30/23 11:09	KAC	EET SL
Total/NA	Analysis	9315		1			637733	11/21/23 07:20	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			751.10 mL	1.0 g	634318	10/30/23 11:16	KAC	EET SL
Total/NA	Analysis	9320		1			636700	11/14/23 11:44	CMM	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			637784	11/21/23 16:13	EMH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-4

Lab Sample ID: 180-164148-14

Date Collected: 10/17/23 12:22

Matrix: Water

Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			744.31 mL	1.0 g	633688	10/26/23 10:38	KAC	EET SL
Dissolved	Analysis	9315		1			639508	12/05/23 17:36	FLC	EET SL
	Instrument ID: GFPCBLUE									

Client Sample ID: SW-4

Lab Sample ID: 180-164148-14

Date Collected: 10/17/23 12:22

Matrix: Water

Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep_0			744.31 mL	1.0 g	633689	10/26/23 10:41	KAC	EET SL
Dissolved	Analysis	9320		1			637236	11/16/23 16:22	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			639886	12/07/23 15:15	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-5

Lab Sample ID: 180-164148-15

Date Collected: 10/17/23 07:59

Matrix: Water

Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			749.15 mL	1.0 g	633688	10/26/23 10:38	KAC	EET SL
Total/NA	Analysis	9315		1			639508	12/05/23 17:36	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			749.15 mL	1.0 g	633689	10/26/23 10:41	KAC	EET SL
Total/NA	Analysis	9320		1			637236	11/16/23 16:18	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			639395	12/07/23 14:45	EMH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-5

Lab Sample ID: 180-164148-16

Date Collected: 10/17/23 08:33

Matrix: Water

Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			743.16 mL	1.0 g	633688	10/26/23 10:38	KAC	EET SL
Dissolved	Analysis	9315		1			639508	12/05/23 19:22	FLC	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			743.16 mL	1.0 g	633689	10/26/23 10:41	KAC	EET SL
Dissolved	Analysis	9320		1			637108	11/16/23 16:11	FLC	EET SL
	Instrument ID: GFPCRED									
Dissolved	Analysis	Ra226_Ra228 (D)		1			639886	12/07/23 15:15	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-5

Lab Sample ID: 180-164148-17

Date Collected: 10/17/23 08:50

Matrix: Water

Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			746.31 mL	1.0 g	633688	10/26/23 10:38	KAC	EET SL
Total/NA	Analysis	9315		1			639508	12/05/23 19:22	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			746.31 mL	1.0 g	633689	10/26/23 10:41	KAC	EET SL
Total/NA	Analysis	9320		1			637108	11/16/23 16:11	FLC	EET SL
	Instrument ID: GFPCRED									

Client Sample ID: SW-5

Lab Sample ID: 180-164148-17

Date Collected: 10/17/23 08:50

Matrix: Water

Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Ra226_Ra228		1			639395	12/07/23 14:45	EMH	EET SL

Client Sample ID: SW-5

Lab Sample ID: 180-164148-18

Date Collected: 10/17/23 09:02

Matrix: Water

Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			750.33 mL	1.0 g	633688	10/26/23 10:38	KAC	EET SL
Dissolved	Analysis	9315		1			639508	12/05/23 19:22	FLC	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			750.33 mL	1.0 g	633689	10/26/23 10:41	KAC	EET SL
Dissolved	Analysis	9320		1			637108	11/16/23 16:11	FLC	EET SL
	Instrument ID: GFPCRED									
Dissolved	Analysis	Ra226_Ra228 (D)		1			639886	12/07/23 15:15	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-9

Lab Sample ID: 180-164148-23

Date Collected: 10/17/23 12:38

Matrix: Water

Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			745.94 mL	1.0 g	633688	10/26/23 10:38	KAC	EET SL
Total/NA	Analysis	9315		1			639508	12/05/23 19:22	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			745.94 mL	1.0 g	633689	10/26/23 10:41	KAC	EET SL
Total/NA	Analysis	9320		1			637108	11/16/23 16:06	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			639395	12/07/23 14:45	EMH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-9

Lab Sample ID: 180-164148-24

Date Collected: 10/17/23 12:51

Matrix: Water

Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			759.33 mL	1.0 g	633688	10/26/23 10:38	KAC	EET SL
Dissolved	Analysis	9315		1			639508	12/05/23 19:22	FLC	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			759.33 mL	1.0 g	633689	10/26/23 10:41	KAC	EET SL
Dissolved	Analysis	9320		1			637108	11/16/23 16:11	FLC	EET SL
	Instrument ID: GFPCRED									
Dissolved	Analysis	Ra226_Ra228 (D)		1			639886	12/07/23 15:15	FLC	EET SL
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Job ID: 180-164148-2
Project/Site: Plant Watson Ash Pond Surfacewater

Client Sample ID: SW-9
Lab Sample ID: 180-164148-25
Date Collected: 10/17/23 13:02
Matrix: Water
Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			751.34 mL	1.0 g	633688	10/26/23 10:38	KAC	EET SL
Total/NA	Analysis	9315		1			639508	12/05/23 19:22	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			751.34 mL	1.0 g	633689	10/26/23 10:41	KAC	EET SL
Total/NA	Analysis	9320		1			637108	11/16/23 16:11	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			639395	12/07/23 14:45	EMH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-9
Lab Sample ID: 180-164148-26
Date Collected: 10/17/23 13:22
Matrix: Water
Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			761.34 mL	1.0 g	633688	10/26/23 10:38	KAC	EET SL
Dissolved	Analysis	9315		1			639508	12/05/23 19:22	FLC	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			761.34 mL	1.0 g	633689	10/26/23 10:41	KAC	EET SL
Dissolved	Analysis	9320		1			637108	11/16/23 16:09	FLC	EET SL
	Instrument ID: GFPCRED									
Dissolved	Analysis	Ra226_Ra228 (D)		1			639886	12/07/23 15:15	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-10
Lab Sample ID: 180-164148-27
Date Collected: 10/17/23 12:06
Matrix: Water
Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			745.22 mL	1.0 g	633688	10/26/23 10:38	KAC	EET SL
Total/NA	Analysis	9315		1			639508	12/05/23 19:22	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			745.22 mL	1.0 g	633689	10/26/23 10:41	KAC	EET SL
Total/NA	Analysis	9320		1			637108	11/16/23 16:09	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			639395	12/07/23 15:08	EMH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-10
Lab Sample ID: 180-164148-28
Date Collected: 10/17/23 12:20
Matrix: Water
Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			762.20 mL	1.0 g	633688	10/26/23 10:38	KAC	EET SL
Dissolved	Analysis	9315		1			639537	12/05/23 19:18	FLC	EET SL
	Instrument ID: GFPCPURPLE									

Lab Chronicle

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

Job ID: 180-164148-2

Client Sample ID: SW-10

Lab Sample ID: 180-164148-28

Date Collected: 10/17/23 12:20

Matrix: Water

Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep_0			762.20 mL	1.0 g	633689	10/26/23 10:41	KAC	EET SL
Dissolved	Analysis	9320		1			637108	11/16/23 16:09	FLC	EET SL
	Instrument ID: GFPCRED									
Dissolved	Analysis	Ra226_Ra228 (D)		1			639886	12/07/23 15:15	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-11

Lab Sample ID: 180-164148-29

Date Collected: 10/17/23 11:31

Matrix: Water

Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			745.21 mL	1.0 g	633688	10/26/23 10:38	KAC	EET SL
Total/NA	Analysis	9315		1			639397	12/05/23 19:17	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			745.21 mL	1.0 g	633689	10/26/23 10:41	KAC	EET SL
Total/NA	Analysis	9320		1			637108	11/16/23 16:09	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			639395	12/07/23 15:08	EMH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-12

Lab Sample ID: 180-164148-31

Date Collected: 10/17/23 10:39

Matrix: Water

Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			747.16 mL	1.0 g	633688	10/26/23 10:38	KAC	EET SL
Total/NA	Analysis	9315		1			639397	12/05/23 20:48	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			747.16 mL	1.0 g	633689	10/26/23 10:41	KAC	EET SL
Total/NA	Analysis	9320		1			637108	11/16/23 16:09	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			639395	12/07/23 15:08	EMH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-12

Lab Sample ID: 180-164148-32

Date Collected: 10/17/23 11:00

Matrix: Water

Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			759.28 mL	1.0 g	633688	10/26/23 10:38	KAC	EET SL
Dissolved	Analysis	9315		1			639397	12/05/23 20:48	FLC	EET SL
	Instrument ID: GFPCRED									
Dissolved	Prep	PrecSep_0			759.28 mL	1.0 g	633689	10/26/23 10:41	KAC	EET SL
Dissolved	Analysis	9320		1			637108	11/16/23 16:09	FLC	EET SL
	Instrument ID: GFPCRED									

Lab Chronicle

Client: Southern Company
Job ID: 180-164148-2
Project/Site: Plant Watson Ash Pond Surfacewater

Client Sample ID: SW-12
Lab Sample ID: 180-164148-32
Date Collected: 10/17/23 11:00
Matrix: Water
Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	Ra226_Ra228 (D)		1			639886	12/07/23 15:15	FLC	EET SL

Client Sample ID: DUP-01
Lab Sample ID: 180-164148-33
Date Collected: 10/17/23 09:39
Matrix: Water
Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			744.60 mL	1.0 g	633688	10/26/23 10:38	KAC	EET SL
Total/NA	Analysis	9315		1			639397	12/05/23 20:48	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			744.60 mL	1.0 g	633689	10/26/23 10:41	KAC	EET SL
Total/NA	Analysis	9320		1			637108	11/16/23 16:09	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			639395	12/07/23 15:08	EMH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-01
Lab Sample ID: 180-164148-34
Date Collected: 10/17/23 10:00
Matrix: Water
Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			755.62 mL	1.0 g	633688	10/26/23 10:38	KAC	EET SL
Dissolved	Analysis	9315		1			639397	12/05/23 20:49	FLC	EET SL
	Instrument ID: GFPCRED									
Dissolved	Prep	PrecSep_0			755.62 mL	1.0 g	633689	10/26/23 10:41	KAC	EET SL
Dissolved	Analysis	9320		1			637108	11/16/23 16:06	FLC	EET SL
	Instrument ID: GFPCRED									
Dissolved	Analysis	Ra226_Ra228 (D)		1			639886	12/07/23 15:15	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-02
Lab Sample ID: 180-164148-35
Date Collected: 10/17/23 10:53
Matrix: Water
Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			748.05 mL	1.0 g	633688	10/26/23 10:38	KAC	EET SL
Total/NA	Analysis	9315		1			639397	12/05/23 20:49	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			748.05 mL	1.0 g	633689	10/26/23 10:41	KAC	EET SL
Total/NA	Analysis	9320		1			637108	11/16/23 16:06	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			639395	12/07/23 15:08	EMH	EET SL
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Job ID: 180-164148-2
Project/Site: Plant Watson Ash Pond Surfacewater

Client Sample ID: DUP-02
Lab Sample ID: 180-164148-36
Date Collected: 10/17/23 11:22
Matrix: Water
Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			756.74 mL	1.0 g	633688	10/26/23 10:38	KAC	EET SL
Dissolved	Analysis	9315		1			639397	12/05/23 20:49	FLC	EET SL
	Instrument ID: GFPCRED									
Dissolved	Prep	PrecSep_0			756.74 mL	1.0 g	633689	10/26/23 10:41	KAC	EET SL
Dissolved	Analysis	9320		1			637108	11/16/23 16:06	FLC	EET SL
	Instrument ID: GFPCRED									
Dissolved	Analysis	Ra226_Ra228 (D)		1			639886	12/07/23 15:15	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: EB-01
Lab Sample ID: 180-164148-37
Date Collected: 10/17/23 08:15
Matrix: Water
Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			991.84 mL	1.0 g	633688	10/26/23 10:38	KAC	EET SL
Total/NA	Analysis	9315		1			639397	12/05/23 20:49	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			991.84 mL	1.0 g	633689	10/26/23 10:41	KAC	EET SL
Total/NA	Analysis	9320		1			637108	11/16/23 16:06	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			639395	12/07/23 15:08	EMH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: FB-01
Lab Sample ID: 180-164148-38
Date Collected: 10/17/23 08:10
Matrix: Water
Date Received: 10/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1001.22 mL	1.0 g	633688	10/26/23 10:38	KAC	EET SL
Total/NA	Analysis	9315		1			639397	12/05/23 20:50	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1001.22 mL	1.0 g	633689	10/26/23 10:41	KAC	EET SL
Total/NA	Analysis	9320		1			637108	11/16/23 16:06	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			639395	12/07/23 15:08	EMH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-6
Lab Sample ID: 180-164520-1
Date Collected: 10/25/23 16:25
Matrix: Water
Date Received: 10/27/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1004.06 mL	1.0 g	635435	11/06/23 07:15	BMW	EET SL
Total/NA	Analysis	9315		1			639508	12/05/23 09:27	FLC	EET SL
	Instrument ID: GFPCBLUE									

Client Sample ID: SW-6

Lab Sample ID: 180-164520-1

Date Collected: 10/25/23 16:25

Matrix: Water

Date Received: 10/27/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep_0			1004.06 mL	1.0 g	635539	11/06/23 07:40	BMW	EET SL
Total/NA	Analysis	9320		1			638995	12/01/23 11:23	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			639395	12/07/23 14:45	EMH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-6

Lab Sample ID: 180-164520-2

Date Collected: 10/25/23 16:30

Matrix: Water

Date Received: 10/27/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			1014.50 mL	1.0 g	635435	11/06/23 07:15	BMW	EET SL
Dissolved	Analysis	9315		1			639508	12/05/23 09:27	FLC	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			1014.50 mL	1.0 g	635539	11/06/23 07:40	BMW	EET SL
Dissolved	Analysis	9320		1			638995	12/01/23 11:23	SCB	EET SL
	Instrument ID: GFPCRED									
Dissolved	Analysis	Ra226_Ra228 (D)		1			639886	12/07/23 15:15	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-6

Lab Sample ID: 180-164520-3

Date Collected: 10/25/23 17:01

Matrix: Water

Date Received: 10/27/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			998.76 mL	1.0 g	635435	11/06/23 07:15	BMW	EET SL
Total/NA	Analysis	9315		1			639508	12/05/23 09:27	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			998.76 mL	1.0 g	635539	11/06/23 07:40	BMW	EET SL
Total/NA	Analysis	9320		1			638995	12/01/23 11:23	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			639395	12/07/23 14:45	EMH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-6

Lab Sample ID: 180-164520-4

Date Collected: 10/25/23 17:20

Matrix: Water

Date Received: 10/27/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			1001.02 mL	1.0 g	635435	11/06/23 07:15	BMW	EET SL
Dissolved	Analysis	9315		1			639508	12/05/23 09:27	FLC	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			1001.02 mL	1.0 g	635539	11/06/23 07:40	BMW	EET SL
Dissolved	Analysis	9320		1			638995	12/01/23 11:23	SCB	EET SL
	Instrument ID: GFPCRED									

Client Sample ID: SW-6

Lab Sample ID: 180-164520-4

Date Collected: 10/25/23 17:20

Matrix: Water

Date Received: 10/27/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	Ra226_Ra228 (D)		1			639886	12/07/23 15:15	FLC	EET SL

Client Sample ID: SW-11

Lab Sample ID: 180-164520-5

Date Collected: 10/25/23 15:13

Matrix: Water

Date Received: 10/27/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1005.36 mL	1.0 g	635435	11/06/23 07:15	BMW	EET SL
Total/NA	Analysis	9315		1			639508	12/05/23 09:27	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1005.36 mL	1.0 g	635539	11/06/23 07:40	BMW	EET SL
Total/NA	Analysis	9320		1			638995	12/01/23 11:23	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			639395	12/07/23 15:08	EMH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-11

Lab Sample ID: 180-164520-6

Date Collected: 10/25/23 15:30

Matrix: Water

Date Received: 10/27/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			1004.95 mL	1.0 g	635435	11/06/23 07:15	BMW	EET SL
Dissolved	Analysis	9315		1			639508	12/05/23 09:27	FLC	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			1004.95 mL	1.0 g	635539	11/06/23 07:40	BMW	EET SL
Dissolved	Analysis	9320		1			638995	12/01/23 11:23	SCB	EET SL
	Instrument ID: GFPCRED									
Dissolved	Analysis	Ra226_Ra228 (D)		1			639886	12/07/23 15:15	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-13

Lab Sample ID: 180-164520-7

Date Collected: 10/25/23 14:37

Matrix: Water

Date Received: 10/27/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1002.35 mL	1.0 g	635435	11/06/23 07:15	BMW	EET SL
Total/NA	Analysis	9315		1			639508	12/05/23 09:27	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1002.35 mL	1.0 g	635539	11/06/23 07:40	BMW	EET SL
Total/NA	Analysis	9320		1			638995	12/01/23 11:24	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			639395	12/07/23 15:08	EMH	EET SL
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Job ID: 180-164148-2
Project/Site: Plant Watson Ash Pond Surfacewater

Client Sample ID: SW-13
Lab Sample ID: 180-164520-8
Date Collected: 10/25/23 14:50
Matrix: Water
Date Received: 10/27/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			1019.05 mL	1.0 g	635435	11/06/23 07:15	BMW	EET SL
Dissolved	Analysis	9315		1			639508	12/05/23 09:27	FLC	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			1019.05 mL	1.0 g	635539	11/06/23 07:40	BMW	EET SL
Dissolved	Analysis	9320		1			638995	12/01/23 11:24	SCB	EET SL
	Instrument ID: GFPCRED									
Dissolved	Analysis	Ra226_Ra228 (D)		1			639886	12/07/23 15:15	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-14
Lab Sample ID: 180-164520-9
Date Collected: 10/25/23 13:16
Matrix: Water
Date Received: 10/27/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1008.73 mL	1.0 g	635435	11/06/23 07:15	BMW	EET SL
Total/NA	Analysis	9315		1			639508	12/05/23 09:27	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1008.73 mL	1.0 g	635539	11/06/23 07:40	BMW	EET SL
Total/NA	Analysis	9320		1			638995	12/01/23 11:24	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			639395	12/07/23 15:08	EMH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-14
Lab Sample ID: 180-164520-10
Date Collected: 10/25/23 13:35
Matrix: Water
Date Received: 10/27/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			1007.41 mL	1.0 g	635435	11/06/23 07:15	BMW	EET SL
Dissolved	Analysis	9315		1			639508	12/05/23 09:26	FLC	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			1007.41 mL	1.0 g	635539	11/06/23 07:40	BMW	EET SL
Dissolved	Analysis	9320		1			638995	12/01/23 11:24	SCB	EET SL
	Instrument ID: GFPCRED									
Dissolved	Analysis	Ra226_Ra228 (D)		1			639886	12/07/23 15:15	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-15
Lab Sample ID: 180-164520-11
Date Collected: 10/25/23 13:56
Matrix: Water
Date Received: 10/27/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1008.63 mL	1.0 g	635540	11/06/23 07:41	BMW	EET SL
Total/NA	Analysis	9315		1			639508	12/05/23 21:09	FLC	EET SL
	Instrument ID: GFPCBLUE									

Lab Chronicle

Client: Southern Company
Job ID: 180-164148-2
Project/Site: Plant Watson Ash Pond Surfacewater

Client Sample ID: SW-15
Lab Sample ID: 180-164520-11
Date Collected: 10/25/23 13:56
Matrix: Water
Date Received: 10/27/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep_0			1008.63 mL	1.0 g	635542	11/06/23 08:07	BMW	EET SL
Total/NA	Analysis	9320		1			638947	11/30/23 12:03	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			639395	12/07/23 15:08	EMH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-15
Lab Sample ID: 180-164520-12
Date Collected: 10/25/23 14:08
Matrix: Water
Date Received: 10/27/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			1004.90 mL	1.0 g	635540	11/06/23 07:41	BMW	EET SL
Dissolved	Analysis	9315		1			639508	12/05/23 21:09	FLC	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			1004.90 mL	1.0 g	635542	11/06/23 08:07	BMW	EET SL
Dissolved	Analysis	9320		1			638947	11/30/23 12:03	FLC	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			639886	12/07/23 15:15	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-16
Lab Sample ID: 180-164520-13
Date Collected: 10/25/23 12:11
Matrix: Water
Date Received: 10/27/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1016.37 mL	1.0 g	635540	11/06/23 07:41	BMW	EET SL
Total/NA	Analysis	9315		1			639508	12/05/23 21:09	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1016.37 mL	1.0 g	635542	11/06/23 08:07	BMW	EET SL
Total/NA	Analysis	9320		1			638947	11/30/23 12:03	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			639395	12/07/23 15:08	EMH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-16
Lab Sample ID: 180-164520-14
Date Collected: 10/25/23 12:30
Matrix: Water
Date Received: 10/27/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			1017.14 mL	1.0 g	635540	11/06/23 07:41	BMW	EET SL
Dissolved	Analysis	9315		1			639397	12/05/23 21:03	FLC	EET SL
	Instrument ID: GFPCRED									
Dissolved	Prep	PrecSep_0			1017.14 mL	1.0 g	635542	11/06/23 08:07	BMW	EET SL
Dissolved	Analysis	9320		1			638947	11/30/23 12:03	FLC	EET SL
	Instrument ID: GFPCBLUE									

Client Sample ID: SW-16

Lab Sample ID: 180-164520-14

Date Collected: 10/25/23 12:30

Matrix: Water

Date Received: 10/27/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	Ra226_Ra228 (D)		1			639886	12/07/23 15:15	FLC	EET SL

Client Sample ID: SW-17

Lab Sample ID: 180-164520-15

Date Collected: 10/25/23 11:27

Matrix: Water

Date Received: 10/27/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1013.88 mL	1.0 g	635540	11/06/23 07:41	BMW	EET SL
Total/NA	Analysis	9315		1			639558	12/06/23 13:45	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1013.88 mL	1.0 g	635542	11/06/23 08:07	BMW	EET SL
Total/NA	Analysis	9320		1			638947	11/30/23 12:03	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			639395	12/07/23 15:08	EMH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-17

Lab Sample ID: 180-164520-16

Date Collected: 10/25/23 11:46

Matrix: Water

Date Received: 10/27/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			1003.49 mL	1.0 g	635540	11/06/23 07:41	BMW	EET SL
Dissolved	Analysis	9315		1			639558	12/06/23 13:48	FLC	EET SL
	Instrument ID: GFPCRED									
Dissolved	Prep	PrecSep_0			1003.49 mL	1.0 g	635542	11/06/23 08:07	BMW	EET SL
Dissolved	Analysis	9320		1			638947	11/30/23 12:04	FLC	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			639886	12/07/23 15:15	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-03

Lab Sample ID: 180-164520-17

Date Collected: 10/25/23 11:11

Matrix: Water

Date Received: 10/27/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1006.67 mL	1.0 g	635540	11/06/23 07:41	BMW	EET SL
Total/NA	Analysis	9315		1			639558	12/06/23 13:48	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1006.67 mL	1.0 g	635542	11/06/23 08:07	BMW	EET SL
Total/NA	Analysis	9320		1			638947	11/30/23 12:04	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			639395	12/07/23 15:08	EMH	EET SL
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Job ID: 180-164148-2
Project/Site: Plant Watson Ash Pond Surfacewater

Client Sample ID: DUP-03
Lab Sample ID: 180-164520-18
Date Collected: 10/25/23 11:37
Matrix: Water
Date Received: 10/27/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			1007.57 mL	1.0 g	635540	11/06/23 07:41	BMW	EET SL
Dissolved	Analysis	9315		1			639558	12/06/23 13:48	FLC	EET SL
	Instrument ID: GFPCRED									
Dissolved	Prep	PrecSep_0			1007.57 mL	1.0 g	635542	11/06/23 08:07	BMW	EET SL
Dissolved	Analysis	9320		1			638947	11/30/23 12:04	FLC	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			639886	12/07/23 15:15	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: EB-02
Lab Sample ID: 180-164520-19
Date Collected: 10/25/23 10:23
Matrix: Water
Date Received: 10/27/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1012.66 mL	1.0 g	635540	11/06/23 07:41	BMW	EET SL
Total/NA	Analysis	9315		1			639558	12/06/23 13:48	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1012.66 mL	1.0 g	635542	11/06/23 08:07	BMW	EET SL
Total/NA	Analysis	9320		1			638947	11/30/23 12:04	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			639395	12/07/23 15:08	EMH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: FB-02
Lab Sample ID: 180-164520-20
Date Collected: 10/25/23 10:16
Matrix: Water
Date Received: 10/27/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1005.64 mL	1.0 g	635540	11/06/23 07:41	BMW	EET SL
Total/NA	Analysis	9315		1			639558	12/06/23 13:48	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1005.64 mL	1.0 g	635542	11/06/23 08:07	BMW	EET SL
Total/NA	Analysis	9320		1			638947	11/30/23 12:04	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			639395	12/07/23 15:08	EMH	EET SL
	Instrument ID: NOEQUIP									

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Client: Southern Company
Job ID: 180-164148-2
Project/Site: Plant Watson Ash Pond Surfacewater

Analyst References:

Lab: EET SL

Batch Type: Prep

ASG = Ayana Griddine
BMW = Bailey Woodliff
KAC = Kevin Cox

Batch Type: Analysis

CMM = Chelsea Mazariegos
EMH = Elizabeth Hoerchler
FLC = Fernando Cruz
SCB = Sarah Bernsen

Client Sample Results

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

Job ID: 180-164148-2

Client Sample ID: SW-1

Date Collected: 10/17/23 15:57
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-1

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.343		0.150	0.153	1.00	0.169	pCi/L	10/30/23 11:09	11/21/23 07:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.6*		*30 - 110*	*10/30/23 11:09*	*11/21/23 07:11*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.48		0.586	0.601	1.00	0.755	pCi/L	10/30/23 11:16	11/14/23 11:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.6*		*30 - 110*	*10/30/23 11:16*	*11/14/23 11:42*	*1*
Y Carrier	*86.7*		*30 - 110*	*10/30/23 11:16*	*11/14/23 11:42*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.82		0.605	0.620	5.00	0.755	pCi/L		11/21/23 16:13	1

Client Sample ID: SW-1
Lab Sample ID: 180-164148-2

Date Collected: 10/17/23 16:10
Matrix: Water

Date Received: 10/19/23 09:20

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.423**		0.125	0.130	1.00	0.120	pCi/L	10/26/23 07:12	11/20/23 19:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.1*		*30 - 110*	*10/26/23 07:12*	*11/20/23 19:19*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.432	U	0.358	0.360	1.00	0.552	pCi/L	10/26/23 07:12	11/01/23 16:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.1*		*30 - 110*	*10/26/23 07:12*	*11/01/23 16:21*	*1*
Y Carrier	*73.6*		*30 - 110*	*10/26/23 07:12*	*11/01/23 16:21*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.855**		0.379	0.383	5.00	0.552	pCi/L		11/21/23 17:16	1

Client Sample Results

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

Job ID: 180-164148-2

Client Sample ID: SW-1

Date Collected: 10/17/23 16:19
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-3

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.425		0.151	0.156	1.00	0.133	pCi/L	10/30/23 11:09	11/21/23 07:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.4*		*30 - 110*	*10/30/23 11:09*	*11/21/23 07:11*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.03		0.672	0.698	1.00	0.841	pCi/L	10/30/23 11:16	11/14/23 11:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.4*		*30 - 110*	*10/30/23 11:16*	*11/14/23 11:43*	*1*
Y Carrier	*87.5*		*30 - 110*	*10/30/23 11:16*	*11/14/23 11:43*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.45		0.689	0.715	5.00	0.841	pCi/L		11/21/23 16:13	1

Client Sample ID: SW-1
Lab Sample ID: 180-164148-4

Date Collected: 10/17/23 16:31
Matrix: Water

Date Received: 10/19/23 09:20

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.382**		0.149	0.153	1.00	0.143	pCi/L	10/30/23 11:09	11/21/23 07:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.9*		*30 - 110*	*10/30/23 11:09*	*11/21/23 07:11*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.751	U	0.576	0.580	1.00	0.897	pCi/L	10/30/23 11:16	11/14/23 11:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.9*		*30 - 110*	*10/30/23 11:16*	*11/14/23 11:43*	*1*
Y Carrier	*87.9*		*30 - 110*	*10/30/23 11:16*	*11/14/23 11:43*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.13**		0.595	0.600	5.00	0.897	pCi/L		11/21/23 17:15	1

Client Sample ID: SW-2
Lab Sample ID: 180-164148-5

Date Collected: 10/17/23 15:08
Matrix: Water

Date Received: 10/19/23 09:20

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.285		0.142	0.144	1.00	0.167	pCi/L	10/30/23 11:09	11/21/23 07:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.1*		*30 - 110*	*10/30/23 11:09*	*11/21/23 07:21*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.96		0.639	0.664	1.00	0.742	pCi/L	10/30/23 11:16	11/14/23 11:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.1*		*30 - 110*	*10/30/23 11:16*	*11/14/23 11:43*	*1*
Y Carrier	*87.5*		*30 - 110*	*10/30/23 11:16*	*11/14/23 11:43*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.24		0.655	0.679	5.00	0.742	pCi/L		11/21/23 16:13	1

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

Job ID: 180-164148-2

Client Sample ID: SW-2

Date Collected: 10/17/23 15:20
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-6

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.405		0.158	0.162	1.00	0.171	pCi/L	10/30/23 11:09	11/21/23 07:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.2*		*30 - 110*	*10/30/23 11:09*	*11/21/23 07:21*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.54		0.568	0.585	1.00	0.707	pCi/L	10/30/23 11:16	11/14/23 11:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.2*		*30 - 110*	*10/30/23 11:16*	*11/14/23 11:43*	*1*
Y Carrier	*87.1*		*30 - 110*	*10/30/23 11:16*	*11/14/23 11:43*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.94		0.590	0.607	5.00	0.707	pCi/L		11/21/23 17:15	1

Client Sample ID: SW-2
Lab Sample ID: 180-164148-7

Date Collected: 10/17/23 15:30
Matrix: Water

Date Received: 10/19/23 09:20

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.389		0.169	0.172	1.00	0.200	pCi/L	10/30/23 11:09	11/21/23 07:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.9*		*30 - 110*	*10/30/23 11:09*	*11/21/23 07:21*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.89		0.619	0.643	1.00	0.720	pCi/L	10/30/23 11:16	11/14/23 11:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.9*		*30 - 110*	*10/30/23 11:16*	*11/14/23 11:43*	*1*
Y Carrier	*84.9*		*30 - 110*	*10/30/23 11:16*	*11/14/23 11:43*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.28		0.642	0.666	5.00	0.720	pCi/L		11/21/23 16:13	1

Client Sample ID: SW-2
Lab Sample ID: 180-164148-8

Date Collected: 10/17/23 15:41
Matrix: Water

Date Received: 10/19/23 09:20

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.355		0.156	0.159	1.00	0.182	pCi/L	10/30/23 11:09	11/21/23 07:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.9*		*30 - 110*	*10/30/23 11:09*	*11/21/23 07:20*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.70		0.573	0.594	1.00	0.691	pCi/L	10/30/23 11:16	11/14/23 11:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.9*		*30 - 110*	*10/30/23 11:16*	*11/14/23 11:44*	*1*
Y Carrier	*91.2*		*30 - 110*	*10/30/23 11:16*	*11/14/23 11:44*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	2.05		0.594	0.615	5.00	0.691	pCi/L		11/21/23 17:15	1

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

Job ID: 180-164148-2

Client Sample ID: SW-3

Date Collected: 10/17/23 09:25
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-9

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.282		0.150	0.152	1.00	0.198	pCi/L	10/30/23 11:09	11/21/23 07:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.7*		*30 - 110*	*10/30/23 11:09*	*11/21/23 07:20*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.21		0.665	0.696	1.00	0.747	pCi/L	10/30/23 11:16	11/14/23 11:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.7*		*30 - 110*	*10/30/23 11:16*	*11/14/23 11:44*	*1*
Y Carrier	*77.8*		*30 - 110*	*10/30/23 11:16*	*11/14/23 11:44*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.49		0.682	0.712	5.00	0.747	pCi/L		11/21/23 16:13	1

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

Job ID: 180-164148-2

Client Sample ID: SW-3

Date Collected: 10/17/23 09:39
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-10

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.525		0.166	0.172	1.00	0.146	pCi/L	10/30/23 11:09	11/21/23 07:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.9*		*30 - 110*	*10/30/23 11:09*	*11/21/23 07:20*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.52		0.570	0.587	1.00	0.707	pCi/L	10/30/23 11:16	11/14/23 11:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.9*		*30 - 110*	*10/30/23 11:16*	*11/14/23 11:44*	*1*
Y Carrier	*81.9*		*30 - 110*	*10/30/23 11:16*	*11/14/23 11:44*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	2.05		0.594	0.612	5.00	0.707	pCi/L		11/21/23 17:15	1

Client Sample Results

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

Job ID: 180-164148-2

Client Sample ID: SW-3

Date Collected: 10/17/23 09:50
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-11

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.367		0.147	0.150	1.00	0.154	pCi/L	10/30/23 11:09	11/21/23 07:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.9*		*30 - 110*	*10/30/23 11:09*	*11/21/23 07:20*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.13		0.561	0.571	1.00	0.774	pCi/L	10/30/23 11:16	11/14/23 11:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.9*		*30 - 110*	*10/30/23 11:16*	*11/14/23 11:44*	*1*
Y Carrier	*74.8*		*30 - 110*	*10/30/23 11:16*	*11/14/23 11:44*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.50		0.580	0.590	5.00	0.774	pCi/L		11/21/23 16:13	1

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

Job ID: 180-164148-2

Client Sample ID: SW-3

Date Collected: 10/17/23 10:03
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-12

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.369		0.143	0.147	1.00	0.141	pCi/L	10/30/23 11:09	11/21/23 07:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.4*		*30 - 110*	*10/30/23 11:09*	*11/21/23 07:20*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.77		0.603	0.625	1.00	0.707	pCi/L	10/30/23 11:16	11/14/23 11:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.4*		*30 - 110*	*10/30/23 11:16*	*11/14/23 11:44*	*1*
Y Carrier	*79.6*		*30 - 110*	*10/30/23 11:16*	*11/14/23 11:44*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	2.14		0.620	0.642	5.00	0.707	pCi/L		11/21/23 17:15	1

Client Sample ID: SW-4
Lab Sample ID: 180-164148-13

Date Collected: 10/17/23 11:53
Matrix: Water

Date Received: 10/19/23 09:20

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.492		0.162	0.168	1.00	0.144	pCi/L	10/30/23 11:09	11/21/23 07:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.4*		*30 - 110*	*10/30/23 11:09*	*11/21/23 07:20*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.82		0.615	0.638	1.00	0.719	pCi/L	10/30/23 11:16	11/14/23 11:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.4*		*30 - 110*	*10/30/23 11:16*	*11/14/23 11:44*	*1*
Y Carrier	*77.8*		*30 - 110*	*10/30/23 11:16*	*11/14/23 11:44*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.31		0.636	0.660	5.00	0.719	pCi/L		11/21/23 16:13	1

Client Sample ID: SW-4
Lab Sample ID: 180-164148-14

Date Collected: 10/17/23 12:22
Matrix: Water

Date Received: 10/19/23 09:20

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.346		0.125	0.129	1.00	0.123	pCi/L	10/26/23 10:38	12/05/23 17:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.2*		*30 - 110*	*10/26/23 10:38*	*12/05/23 17:36*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.207	U	0.344	0.345	1.00	0.594	pCi/L	10/26/23 10:41	11/16/23 16:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.2*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:22*	*1*
Y Carrier	*82.2*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:22*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.553	U	0.366	0.368	5.00	0.594	pCi/L		12/07/23 15:15	1

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

Job ID: 180-164148-2

Client Sample ID: SW-5

Date Collected: 10/17/23 07:59
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-15

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.438**		0.155	0.160	1.00	0.167	pCi/L	10/26/23 10:38	12/05/23 17:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.7*		*30 - 110*	*10/26/23 10:38*	*12/05/23 17:36*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.605	U	0.484	0.488	1.00	0.746	pCi/L	10/26/23 10:41	11/16/23 16:18	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.7*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:18*	*1*
Y Carrier	*83.7*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:18*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**1.04**		0.508	0.514	5.00	0.746	pCi/L		12/07/23 14:45	1

Client Sample Results

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

Job ID: 180-164148-2

Client Sample ID: SW-5

Date Collected: 10/17/23 08:33
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-16

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.575		0.155	0.163	1.00	0.125	pCi/L	10/26/23 10:38	12/05/23 19:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.2*		*30 - 110*	*10/26/23 10:38*	*12/05/23 19:22*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.34		0.534	0.548	1.00	0.685	pCi/L	10/26/23 10:41	11/16/23 16:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.2*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:11*	*1*
Y Carrier	*92.3*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:11*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.92		0.556	0.572	5.00	0.685	pCi/L		12/07/23 15:15	1

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

Job ID: 180-164148-2

Client Sample ID: SW-5

Date Collected: 10/17/23 08:50
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-17

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.494		0.156	0.162	1.00	0.157	pCi/L	10/26/23 10:38	12/05/23 19:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.2*		*30 - 110*	*10/26/23 10:38*	*12/05/23 19:22*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.692		0.437	0.441	1.00	0.630	pCi/L	10/26/23 10:41	11/16/23 16:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.2*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:11*	*1*
Y Carrier	*82.2*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:11*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.19		0.464	0.470	5.00	0.630	pCi/L		12/07/23 14:45	1

Client Sample ID: SW-5
Lab Sample ID: 180-164148-18

Date Collected: 10/17/23 09:02
Matrix: Water

Date Received: 10/19/23 09:20

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.307		0.117	0.120	1.00	0.121	pCi/L	10/26/23 10:38	12/05/23 19:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.5*		*30 - 110*	*10/26/23 10:38*	*12/05/23 19:22*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.14		0.535	0.545	1.00	0.722	pCi/L	10/26/23 10:41	11/16/23 16:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.5*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:11*	*1*
Y Carrier	*82.2*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:11*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.44		0.548	0.558	5.00	0.722	pCi/L		12/07/23 15:15	1

Client Sample Results

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

Job ID: 180-164148-2

Client Sample ID: SW-9

Date Collected: 10/17/23 12:38
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-23

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.502		0.159	0.166	1.00	0.158	pCi/L	10/26/23 10:38	12/05/23 19:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.9*		*30 - 110*	*10/26/23 10:38*	*12/05/23 19:22*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.16		0.524	0.534	1.00	0.682	pCi/L	10/26/23 10:41	11/16/23 16:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.9*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:06*	*1*
Y Carrier	*83.0*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:06*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.67		0.548	0.559	5.00	0.682	pCi/L		12/07/23 14:45	1

Client Sample Results

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

Job ID: 180-164148-2

Client Sample ID: SW-9

Date Collected: 10/17/23 12:51
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-24

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.415**		0.132	0.137	1.00	0.119	pCi/L	10/26/23 10:38	12/05/23 19:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.4*		*30 - 110*	*10/26/23 10:38*	*12/05/23 19:22*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.467	U	0.517	0.519	1.00	0.846	pCi/L	10/26/23 10:41	11/16/23 16:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.4*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:11*	*1*
Y Carrier	*83.7*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:11*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.881**		0.534	0.537	5.00	0.846	pCi/L		12/07/23 15:15	1

Client Sample ID: SW-9
Lab Sample ID: 180-164148-25

Date Collected: 10/17/23 13:02
Matrix: Water

Date Received: 10/19/23 09:20

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.367		0.136	0.139	1.00	0.148	pCi/L	10/26/23 10:38	12/05/23 19:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.4*		*30 - 110*	*10/26/23 10:38*	*12/05/23 19:22*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.99		0.636	0.662	1.00	0.746	pCi/L	10/26/23 10:41	11/16/23 16:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.4*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:11*	*1*
Y Carrier	*84.1*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:11*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.36		0.650	0.676	5.00	0.746	pCi/L		12/07/23 14:45	1

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

Job ID: 180-164148-2

Client Sample ID: SW-9

Date Collected: 10/17/23 13:22
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-26

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.445		0.151	0.156	1.00	0.168	pCi/L	10/26/23 10:38	12/05/23 19:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.7*		*30 - 110*	*10/26/23 10:38*	*12/05/23 19:22*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.93		0.570	0.597	1.00	0.611	pCi/L	10/26/23 10:41	11/16/23 16:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.7*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:09*	*1*
Y Carrier	*87.9*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:09*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	2.37		0.590	0.617	5.00	0.611	pCi/L		12/07/23 15:15	1

Client Sample Results

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

Job ID: 180-164148-2

Client Sample ID: SW-10

Date Collected: 10/17/23 12:06
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-27

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.360**		0.154	0.157	1.00	0.189	pCi/L	10/26/23 10:38	12/05/23 19:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.1*		*30 - 110*	*10/26/23 10:38*	*12/05/23 19:22*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.791	U	0.535	0.539	1.00	0.801	pCi/L	10/26/23 10:41	11/16/23 16:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.1*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:09*	*1*
Y Carrier	*85.2*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:09*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**1.15**		0.557	0.561	5.00	0.801	pCi/L		12/07/23 15:08	1

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

Job ID: 180-164148-2

Client Sample ID: SW-10

Date Collected: 10/17/23 12:20
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-28

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.326		0.128	0.131	1.00	0.151	pCi/L	10/26/23 10:38	12/05/23 19:18	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.0*		*30 - 110*	*10/26/23 10:38*	*12/05/23 19:18*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.35		0.659	0.671	1.00	0.931	pCi/L	10/26/23 10:41	11/16/23 16:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.0*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:09*	*1*
Y Carrier	*74.0*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:09*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.67		0.671	0.684	5.00	0.931	pCi/L		12/07/23 15:15	1

Client Sample ID: SW-11
Lab Sample ID: 180-164148-29

Date Collected: 10/17/23 11:31
Matrix: Water

Date Received: 10/19/23 09:20

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.340		0.124	0.128	1.00	0.124	pCi/L	10/26/23 10:38	12/05/23 19:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.4*		*30 - 110*	*10/26/23 10:38*	*12/05/23 19:17*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.135	U	0.474	0.474	1.00	0.899	pCi/L	10/26/23 10:41	11/16/23 16:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.4*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:09*	*1*
Y Carrier	*86.7*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:09*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.206	U	0.490	0.491	5.00	0.899	pCi/L		12/07/23 15:08	1

Client Sample ID: SW-12
Lab Sample ID: 180-164148-31

Date Collected: 10/17/23 10:39
Matrix: Water
Date Received: 10/19/23 09:20

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.343		0.126	0.130	1.00	0.128	pCi/L	10/26/23 10:38	12/05/23 20:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.9*		*30 - 110*	*10/26/23 10:38*	*12/05/23 20:48*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.23		0.546	0.557	1.00	0.717	pCi/L	10/26/23 10:41	11/16/23 16:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.9*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:09*	*1*
Y Carrier	*84.9*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:09*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.57		0.560	0.572	5.00	0.717	pCi/L		12/07/23 15:08	1

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

Job ID: 180-164148-2

Client Sample ID: SW-12
Date Collected: 10/17/23 11:00
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-32
Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.350		0.123	0.127	1.00	0.119	pCi/L	10/26/23 10:38	12/05/23 20:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.4*		*30 - 110*	*10/26/23 10:38*	*12/05/23 20:48*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.58		0.629	0.646	1.00	0.805	pCi/L	10/26/23 10:41	11/16/23 16:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.4*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:09*	*1*
Y Carrier	*74.8*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:09*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.93		0.641	0.658	5.00	0.805	pCi/L		12/07/23 15:15	1

Client Sample ID: DUP-01
Date Collected: 10/17/23 09:39
Date Received: 10/19/23 09:20

Lab Sample ID: 180-164148-33
Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.321		0.130	0.133	1.00	0.148	pCi/L	10/26/23 10:38	12/05/23 20:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.4*		*30 - 110*	*10/26/23 10:38*	*12/05/23 20:48*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.847		0.514	0.520	1.00	0.744	pCi/L	10/26/23 10:41	11/16/23 16:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.4*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:09*	*1*
Y Carrier	*84.5*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:09*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.17		0.530	0.537	5.00	0.744	pCi/L		12/07/23 15:08	1

Client Sample ID: DUP-01
Lab Sample ID: 180-164148-34

Date Collected: 10/17/23 10:00
Matrix: Water

Date Received: 10/19/23 09:20

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.312		0.114	0.118	1.00	0.110	pCi/L	10/26/23 10:38	12/05/23 20:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.2*		*30 - 110*	*10/26/23 10:38*	*12/05/23 20:49*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.09		0.515	0.525	1.00	0.694	pCi/L	10/26/23 10:41	11/16/23 16:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.2*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:06*	*1*
Y Carrier	*84.1*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:06*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.40		0.527	0.538	5.00	0.694	pCi/L		12/07/23 15:15	1

Client Sample ID: DUP-02
Lab Sample ID: 180-164148-35

Date Collected: 10/17/23 10:53
Matrix: Water

Date Received: 10/19/23 09:20

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.338		0.121	0.124	1.00	0.118	pCi/L	10/26/23 10:38	12/05/23 20:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.4*		*30 - 110*	*10/26/23 10:38*	*12/05/23 20:49*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.745		0.455	0.460	1.00	0.661	pCi/L	10/26/23 10:41	11/16/23 16:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.4*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:06*	*1*
Y Carrier	*91.2*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:06*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.08		0.471	0.476	5.00	0.661	pCi/L		12/07/23 15:08	1

Client Sample ID: DUP-02
Lab Sample ID: 180-164148-36

Date Collected: 10/17/23 11:22
Matrix: Water

Date Received: 10/19/23 09:20

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.389		0.123	0.128	1.00	0.110	pCi/L	10/26/23 10:38	12/05/23 20:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.5*		*30 - 110*	*10/26/23 10:38*	*12/05/23 20:49*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.777		0.457	0.462	1.00	0.661	pCi/L	10/26/23 10:41	11/16/23 16:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.5*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:06*	*1*
Y Carrier	*84.1*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:06*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.17		0.473	0.479	5.00	0.661	pCi/L		12/07/23 15:15	1

Client Sample ID: EB-01
Lab Sample ID: 180-164148-37

Date Collected: 10/17/23 08:15
Matrix: Water

Date Received: 10/19/23 09:20

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0128	U	0.0480	0.0480	1.00	0.0924	pCi/L	10/26/23 10:38	12/05/23 20:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.2*		*30 - 110*	*10/26/23 10:38*	*12/05/23 20:49*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.217	U	0.280	0.281	1.00	0.466	pCi/L	10/26/23 10:41	11/16/23 16:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.2*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:06*	*1*
Y Carrier	*90.1*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:06*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.230	U	0.284	0.285	5.00	0.466	pCi/L		12/07/23 15:08	1

Client Sample ID: FB-01
Lab Sample ID: 180-164148-38

Date Collected: 10/17/23 08:10
Matrix: Water

Date Received: 10/19/23 09:20

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0428	U	0.0469	0.0471	1.00	0.0742	pCi/L	10/26/23 10:38	12/05/23 20:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.5*		*30 - 110*	*10/26/23 10:38*	*12/05/23 20:50*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.116	U	0.242	0.242	1.00	0.423	pCi/L	10/26/23 10:41	11/16/23 16:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.5*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:06*	*1*
Y Carrier	*94.6*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:06*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.159	U	0.247	0.247	5.00	0.423	pCi/L		12/07/23 15:08	1

Client Sample ID: SW-6
Lab Sample ID: 180-164520-1

Date Collected: 10/25/23 16:25
Matrix: Water

Date Received: 10/27/23 09:10

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.303		0.140	0.142	1.00	0.167	pCi/L	11/06/23 07:15	12/05/23 09:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.7*		*30 - 110*	*11/06/23 07:15*	*12/05/23 09:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.792		0.354	0.361	1.00	0.463	pCi/L	11/06/23 07:40	12/01/23 11:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.7*		*30 - 110*	*11/06/23 07:40*	*12/01/23 11:23*	*1*
Y Carrier	*88.6*		*30 - 110*	*11/06/23 07:40*	*12/01/23 11:23*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.09		0.381	0.388	5.00	0.463	pCi/L		12/07/23 14:45	1

Client Sample ID: SW-6
Lab Sample ID: 180-164520-2

Date Collected: 10/25/23 16:30
Matrix: Water

Date Received: 10/27/23 09:10

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.356**		0.148	0.152	1.00	0.173	pCi/L	11/06/23 07:15	12/05/23 09:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.1*		*30 - 110*	*11/06/23 07:15*	*12/05/23 09:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.406	U	0.294	0.296	1.00	0.442	pCi/L	11/06/23 07:40	12/01/23 11:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.1*		*30 - 110*	*11/06/23 07:40*	*12/01/23 11:23*	*1*
Y Carrier	*86.0*		*30 - 110*	*11/06/23 07:40*	*12/01/23 11:23*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.762**		0.329	0.333	5.00	0.442	pCi/L		12/07/23 15:15	1

Client Sample ID: SW-6
Lab Sample ID: 180-164520-3

Date Collected: 10/25/23 17:01
Matrix: Water

Date Received: 10/27/23 09:10

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.427		0.166	0.170	1.00	0.183	pCi/L	11/06/23 07:15	12/05/23 09:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.2*		*30 - 110*	*11/06/23 07:15*	*12/05/23 09:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.58		0.512	0.533	1.00	0.629	pCi/L	11/06/23 07:40	12/01/23 11:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.2*		*30 - 110*	*11/06/23 07:40*	*12/01/23 11:23*	*1*
Y Carrier	*86.7*		*30 - 110*	*11/06/23 07:40*	*12/01/23 11:23*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.00		0.538	0.559	5.00	0.629	pCi/L		12/07/23 14:45	1

Client Sample ID: SW-6
Lab Sample ID: 180-164520-4

Date Collected: 10/25/23 17:20
Matrix: Water

Date Received: 10/27/23 09:10

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.363		0.146	0.150	1.00	0.169	pCi/L	11/06/23 07:15	12/05/23 09:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.5*		*30 - 110*	*11/06/23 07:15*	*12/05/23 09:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.48		0.432	0.453	1.00	0.486	pCi/L	11/06/23 07:40	12/01/23 11:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.5*		*30 - 110*	*11/06/23 07:40*	*12/01/23 11:23*	*1*
Y Carrier	*82.2*		*30 - 110*	*11/06/23 07:40*	*12/01/23 11:23*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.84		0.456	0.477	5.00	0.486	pCi/L		12/07/23 15:15	1

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

Job ID: 180-164148-2

Client Sample ID: SW-11

Date Collected: 10/25/23 15:13
Date Received: 10/27/23 09:10

Lab Sample ID: 180-164520-5

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.286		0.133	0.136	1.00	0.156	pCi/L	11/06/23 07:15	12/05/23 09:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.9*		*30 - 110*	*11/06/23 07:15*	*12/05/23 09:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.711		0.365	0.371	1.00	0.497	pCi/L	11/06/23 07:40	12/01/23 11:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.9*		*30 - 110*	*11/06/23 07:40*	*12/01/23 11:23*	*1*
Y Carrier	*81.9*		*30 - 110*	*11/06/23 07:40*	*12/01/23 11:23*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.997		0.388	0.395	5.00	0.497	pCi/L		12/07/23 15:08	1

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

Job ID: 180-164148-2

Client Sample ID: SW-11

Date Collected: 10/25/23 15:30
Date Received: 10/27/23 09:10

Lab Sample ID: 180-164520-6

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.300		0.137	0.140	1.00	0.160	pCi/L	11/06/23 07:15	12/05/23 09:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.1*		*30 - 110*	*11/06/23 07:15*	*12/05/23 09:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.980		0.409	0.418	1.00	0.541	pCi/L	11/06/23 07:40	12/01/23 11:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.1*		*30 - 110*	*11/06/23 07:40*	*12/01/23 11:23*	*1*
Y Carrier	*86.7*		*30 - 110*	*11/06/23 07:40*	*12/01/23 11:23*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.28		0.431	0.441	5.00	0.541	pCi/L		12/07/23 15:15	1

Client Sample ID: SW-13
Lab Sample ID: 180-164520-7

Date Collected: 10/25/23 14:37
Matrix: Water

Date Received: 10/27/23 09:10

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.529		0.167	0.173	1.00	0.154	pCi/L	11/06/23 07:15	12/05/23 09:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.7*		*30 - 110*	*11/06/23 07:15*	*12/05/23 09:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.72		0.566	0.588	1.00	0.718	pCi/L	11/06/23 07:40	12/01/23 11:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.7*		*30 - 110*	*11/06/23 07:40*	*12/01/23 11:24*	*1*
Y Carrier	*77.0*		*30 - 110*	*11/06/23 07:40*	*12/01/23 11:24*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.25		0.590	0.613	5.00	0.718	pCi/L		12/07/23 15:08	1

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

Job ID: 180-164148-2

Client Sample ID: SW-13

Date Collected: 10/25/23 14:50
Date Received: 10/27/23 09:10

Lab Sample ID: 180-164520-8

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.375		0.144	0.148	1.00	0.148	pCi/L	11/06/23 07:15	12/05/23 09:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.9*		*30 - 110*	*11/06/23 07:15*	*12/05/23 09:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.08		0.397	0.409	1.00	0.485	pCi/L	11/06/23 07:40	12/01/23 11:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.9*		*30 - 110*	*11/06/23 07:40*	*12/01/23 11:24*	*1*
Y Carrier	*87.5*		*30 - 110*	*11/06/23 07:40*	*12/01/23 11:24*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.46		0.422	0.435	5.00	0.485	pCi/L		12/07/23 15:15	1

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

Job ID: 180-164148-2

Client Sample ID: SW-14

Date Collected: 10/25/23 13:16
Date Received: 10/27/23 09:10

Lab Sample ID: 180-164520-9

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.420		0.161	0.165	1.00	0.180	pCi/L	11/06/23 07:15	12/05/23 09:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.8*		*30 - 110*	*11/06/23 07:15*	*12/05/23 09:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.67		0.458	0.483	1.00	0.501	pCi/L	11/06/23 07:40	12/01/23 11:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.8*		*30 - 110*	*11/06/23 07:40*	*12/01/23 11:24*	*1*
Y Carrier	*80.4*		*30 - 110*	*11/06/23 07:40*	*12/01/23 11:24*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.09		0.485	0.510	5.00	0.501	pCi/L		12/07/23 15:08	1

Client Sample ID: SW-14
Lab Sample ID: 180-164520-10

Date Collected: 10/25/23 13:35
Matrix: Water

Date Received: 10/27/23 09:10

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.386		0.134	0.138	1.00	0.131	pCi/L	11/06/23 07:15	12/05/23 09:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*101*		*30 - 110*	*11/06/23 07:15*	*12/05/23 09:26*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.42		0.399	0.419	1.00	0.451	pCi/L	11/06/23 07:40	12/01/23 11:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*101*		*30 - 110*	*11/06/23 07:40*	*12/01/23 11:24*	*1*
Y Carrier	*90.1*		*30 - 110*	*11/06/23 07:40*	*12/01/23 11:24*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.80		0.421	0.441	5.00	0.451	pCi/L		12/07/23 15:15	1

Client Sample Results

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

Job ID: 180-164148-2

Client Sample ID: SW-15
Date Collected: 10/25/23 13:56
Date Received: 10/27/23 09:10

Lab Sample ID: 180-164520-11
Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.448		0.150	0.155	1.00	0.155	pCi/L	11/06/23 07:41	12/05/23 21:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.9*		*30 - 110*	*11/06/23 07:41*	*12/05/23 21:09*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.46		0.481	0.500	1.00	0.574	pCi/L	11/06/23 08:07	11/30/23 12:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.9*		*30 - 110*	*11/06/23 08:07*	*11/30/23 12:03*	*1*
Y Carrier	*84.5*		*30 - 110*	*11/06/23 08:07*	*11/30/23 12:03*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.91		0.504	0.523	5.00	0.574	pCi/L		12/07/23 15:08	1

Client Sample Results

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

Job ID: 180-164148-2

Client Sample ID: SW-15

Date Collected: 10/25/23 14:08
Date Received: 10/27/23 09:10

Lab Sample ID: 180-164520-12

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.507		0.166	0.172	1.00	0.181	pCi/L	11/06/23 07:41	12/05/23 21:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.9*		*30 - 110*	*11/06/23 07:41*	*12/05/23 21:09*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.38		0.452	0.470	1.00	0.512	pCi/L	11/06/23 08:07	11/30/23 12:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.9*		*30 - 110*	*11/06/23 08:07*	*11/30/23 12:03*	*1*
Y Carrier	*82.2*		*30 - 110*	*11/06/23 08:07*	*11/30/23 12:03*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.88		0.482	0.500	5.00	0.512	pCi/L		12/07/23 15:15	1

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

Job ID: 180-164148-2

Client Sample ID: SW-16

Date Collected: 10/25/23 12:11
Date Received: 10/27/23 09:10

Lab Sample ID: 180-164520-13

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.286		0.139	0.142	1.00	0.180	pCi/L	11/06/23 07:41	12/05/23 21:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.4*		*30 - 110*	*11/06/23 07:41*	*12/05/23 21:09*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.32		0.430	0.446	1.00	0.504	pCi/L	11/06/23 08:07	11/30/23 12:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.4*		*30 - 110*	*11/06/23 08:07*	*11/30/23 12:03*	*1*
Y Carrier	*87.9*		*30 - 110*	*11/06/23 08:07*	*11/30/23 12:03*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.61		0.452	0.468	5.00	0.504	pCi/L		12/07/23 15:08	1

Client Sample ID: SW-16
Lab Sample ID: 180-164520-14

Date Collected: 10/25/23 12:30
Matrix: Water

Date Received: 10/27/23 09:10

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.385		0.127	0.132	1.00	0.118	pCi/L	11/06/23 07:41	12/05/23 21:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.1*		*30 - 110*	*11/06/23 07:41*	*12/05/23 21:03*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.875		0.383	0.392	1.00	0.506	pCi/L	11/06/23 08:07	11/30/23 12:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.1*		*30 - 110*	*11/06/23 08:07*	*11/30/23 12:03*	*1*
Y Carrier	*87.5*		*30 - 110*	*11/06/23 08:07*	*11/30/23 12:03*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.26		0.404	0.414	5.00	0.506	pCi/L		12/07/23 15:15	1

Client Sample Results

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

Job ID: 180-164148-2

Client Sample ID: SW-17

Date Collected: 10/25/23 11:27
Date Received: 10/27/23 09:10

Lab Sample ID: 180-164520-15

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.516**		0.149	0.156	1.00	0.128	pCi/L	11/06/23 07:41	12/06/23 13:45	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.4*		*30 - 110*	*11/06/23 07:41*	*12/06/23 13:45*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.504	U	0.367	0.370	1.00	0.554	pCi/L	11/06/23 08:07	11/30/23 12:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.4*		*30 - 110*	*11/06/23 08:07*	*11/30/23 12:03*	*1*
Y Carrier	*83.4*		*30 - 110*	*11/06/23 08:07*	*11/30/23 12:03*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**1.02**		0.396	0.402	5.00	0.554	pCi/L		12/07/23 15:08	1

Client Sample Results

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

Job ID: 180-164148-2

Client Sample ID: SW-17

Date Collected: 10/25/23 11:46
Date Received: 10/27/23 09:10

Lab Sample ID: 180-164520-16

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.419		0.130	0.136	1.00	0.115	pCi/L	11/06/23 07:41	12/06/23 13:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.1*		*30 - 110*	*11/06/23 07:41*	*12/06/23 13:48*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.36		0.424	0.442	1.00	0.468	pCi/L	11/06/23 08:07	11/30/23 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.1*		*30 - 110*	*11/06/23 08:07*	*11/30/23 12:04*	*1*
Y Carrier	*89.7*		*30 - 110*	*11/06/23 08:07*	*11/30/23 12:04*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.78		0.443	0.462	5.00	0.468	pCi/L		12/07/23 15:15	1

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

Job ID: 180-164148-2

Client Sample ID: DUP-03
Date Collected: 10/25/23 11:11
Date Received: 10/27/23 09:10

Lab Sample ID: 180-164520-17
Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.532		0.145	0.153	1.00	0.102	pCi/L	11/06/23 07:41	12/06/23 13:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.7*		*30 - 110*	*11/06/23 07:41*	*12/06/23 13:48*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.67		0.497	0.520	1.00	0.558	pCi/L	11/06/23 08:07	11/30/23 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.7*		*30 - 110*	*11/06/23 08:07*	*11/30/23 12:04*	*1*
Y Carrier	*83.7*		*30 - 110*	*11/06/23 08:07*	*11/30/23 12:04*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.20		0.518	0.542	5.00	0.558	pCi/L		12/07/23 15:08	1

Client Sample ID: DUP-03
Lab Sample ID: 180-164520-18

Date Collected: 10/25/23 11:37
Matrix: Water

Date Received: 10/27/23 09:10

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.289		0.108	0.111	1.00	0.100	pCi/L	11/06/23 07:41	12/06/23 13:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.3*		*30 - 110*	*11/06/23 07:41*	*12/06/23 13:48*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.893		0.392	0.400	1.00	0.506	pCi/L	11/06/23 08:07	11/30/23 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.3*		*30 - 110*	*11/06/23 08:07*	*11/30/23 12:04*	*1*
Y Carrier	*83.4*		*30 - 110*	*11/06/23 08:07*	*11/30/23 12:04*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.18		0.407	0.415	5.00	0.506	pCi/L		12/07/23 15:15	1

Client Sample ID: EB-02
Lab Sample ID: 180-164520-19

Date Collected: 10/25/23 10:23
Matrix: Water

Date Received: 10/27/23 09:10

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00470	U	0.0543	0.0543	1.00	0.111	pCi/L	11/06/23 07:41	12/06/23 13:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*101*		*30 - 110*	*11/06/23 07:41*	*12/06/23 13:48*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0385	U	0.338	0.338	1.00	0.612	pCi/L	11/06/23 08:07	11/30/23 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*101*		*30 - 110*	*11/06/23 08:07*	*11/30/23 12:04*	*1*
Y Carrier	*81.9*		*30 - 110*	*11/06/23 08:07*	*11/30/23 12:04*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.0432	U	0.342	0.342	5.00	0.612	pCi/L		12/07/23 15:08	1

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

Job ID: 180-164148-2

Client Sample ID: FB-02

Date Collected: 10/25/23 10:16
Date Received: 10/27/23 09:10

Lab Sample ID: 180-164520-20

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.212**		0.106	0.108	1.00	0.131	pCi/L	11/06/23 07:41	12/06/23 13:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.9*		*30 - 110*	*11/06/23 07:41*	*12/06/23 13:48*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.458	U	0.352	0.354	1.00	0.540	pCi/L	11/06/23 08:07	11/30/23 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.9*		*30 - 110*	*11/06/23 08:07*	*11/30/23 12:04*	*1*
Y Carrier	*84.9*		*30 - 110*	*11/06/23 08:07*	*11/30/23 12:04*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.670**		0.368	0.370	5.00	0.540	pCi/L		12/07/23 15:08	1

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-633550/1-A
Matrix: Water
Analysis Batch: 637570

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 633550

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.01343	U	0.0350	0.0350	1.00	0.0681	pCi/L	10/26/23 07:12	11/20/23 19:12	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.2*		*30 - 110*	*10/26/23 07:12*	*11/20/23 19:12*	*1*

Lab Sample ID: LCS 160-633550/2-A
Matrix: Water
Analysis Batch: 637570

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 633550

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	12.42		1.26	1.00	0.0854	pCi/L	110	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*91.7*		*30 - 110*

Lab Sample ID: MB 160-633688/1-A
Matrix: Water
Analysis Batch: 639537

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 633688

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.04233	U	0.0472	0.0474	1.00	0.111	pCi/L	10/26/23 10:38	12/05/23 17:29	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.5*		*30 - 110*	*10/26/23 10:38*	*12/05/23 17:29*	*1*

Lab Sample ID: LCS 160-633688/2-A
Matrix: Water
Analysis Batch: 639397

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 633688

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	10.50		1.07	1.00	0.0871	pCi/L	93	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*96.0*		*30 - 110*

Lab Sample ID: 180-164148-38 DU
Matrix: Water
Analysis Batch: 639397

Client Sample ID: FB-01
Prep Type: Total/NA
Prep Batch: 633688

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.0428	U		0.05613	U	0.0548	1.00	0.0842	pCi/L			0.13	1

Method: 9315 - Radium-226 (GFPC) (Continued)

Lab Sample ID: 180-164148-38 DU
Matrix: Water
Analysis Batch: 639397

Client Sample ID: FB-01
Prep Type: Total/NA
Prep Batch: 633688

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	97.7		30 - 110

Lab Sample ID: MB 160-634316/1-A
Matrix: Water
Analysis Batch: 637608

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 634316

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.02312	U	0.0573	0.0573	1.00	0.107	pCi/L	10/30/23 11:09	11/21/23 07:10	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	92.7		30 - 110	10/30/23 11:09	11/21/23 07:10	1

Lab Sample ID: LCS 160-634316/2-A
Matrix: Water
Analysis Batch: 637608

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 634316

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	10.93		1.15	1.00	0.105	pCi/L	96	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	92.2		30 - 110

Lab Sample ID: MB 160-635435/1-A
Matrix: Water
Analysis Batch: 639397

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 635435

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.2365		0.116	0.118	1.00	0.138	pCi/L	11/06/23 07:15	12/05/23 09:16	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	97.3		30 - 110	11/06/23 07:15	12/05/23 09:16	1

Lab Sample ID: LCS 160-635435/2-A
Matrix: Water
Analysis Batch: 639397

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 635435

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	10.64		1.14	1.00	0.128	pCi/L	94	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	104		30 - 110

Method: 9315 - Radium-226 (GFPC) (Continued)

Lab Sample ID: MB 160-635540/1-A
Matrix: Water
Analysis Batch: 639508

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 635540

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.08638	U	0.0927	0.0930	1.00	0.149	pCi/L	11/06/23 07:41	12/05/23 21:09	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	100		30 - 110	11/06/23 07:41	12/05/23 21:09	1

Lab Sample ID: LCS 160-635540/2-A
Matrix: Water
Analysis Batch: 639508

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 635540

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	10.29		1.10	1.00	0.114	pCi/L	91	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	101		30 - 110

Lab Sample ID: 180-164520-2 DU
Matrix: Water
Analysis Batch: 639508

Client Sample ID: SW-6
Prep Type: Dissolved
Prep Batch: 635435

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.356			0.3115		0.139	1.00	0.163	pCi/L			0.15	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	99.3		30 - 110

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-633552/1-A
Matrix: Water
Analysis Batch: 634757

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 633552

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.5160		0.340	0.343	1.00	0.499	pCi/L	10/26/23 07:12	11/01/23 16:19	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	92.2		30 - 110	10/26/23 07:12	11/01/23 16:19	1
Y Carrier	80.0		30 - 110	10/26/23 07:12	11/01/23 16:19	1

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-633552/2-A
Matrix: Water
Analysis Batch: 634757

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 633552

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.75	8.862		1.26	1.00	0.505	pCi/L	114	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*91.7*		*30 - 110*
Y Carrier	*76.6*		*30 - 110*

Lab Sample ID: MB 160-633689/1-A
Matrix: Water
Analysis Batch: 637236

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 633689

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.1896	U	0.320	0.320	1.00	0.546	pCi/L	10/26/23 10:41	11/16/23 16:14	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.5*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:14*	*1*
Y Carrier	*83.7*		*30 - 110*	*10/26/23 10:41*	*11/16/23 16:14*	*1*

Lab Sample ID: LCS 160-633689/2-A
Matrix: Water
Analysis Batch: 637236

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 633689

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.71	5.951		0.950	1.00	0.551	pCi/L	77	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*96.0*		*30 - 110*
Y Carrier	*83.7*		*30 - 110*

Lab Sample ID: 180-164148-38 DU
Matrix: Water
Analysis Batch: 637108

Client Sample ID: FB-01
Prep Type: Total/NA
Prep Batch: 633689

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.116	U		0.2274	U	0.253	1.00	0.410	pCi/L			0.22	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*97.7*		*30 - 110*
Y Carrier	*90.8*		*30 - 110*

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: MB 160-634318/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 636700
Prep Batch: 634318

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.5457	U	0.405	0.408	1.00	0.623	pCi/L	10/30/23 11:16	11/14/23 11:40	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.7*		*30 - 110*	*10/30/23 11:16*	*11/14/23 11:40*	*1*
Y Carrier	*78.5*		*30 - 110*	*10/30/23 11:16*	*11/14/23 11:40*	*1*

Lab Sample ID: LCS 160-634318/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 636700
Prep Batch: 634318

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.72	9.100		1.27	1.00	0.605	pCi/L	118	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*92.2*		*30 - 110*
Y Carrier	*84.9*		*30 - 110*

Lab Sample ID: MB 160-635539/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 639151
Prep Batch: 635539

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.07044	U	0.202	0.203	1.00	0.413	pCi/L	11/06/23 07:40	12/01/23 11:19	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.3*		*30 - 110*	*11/06/23 07:40*	*12/01/23 11:19*	*1*
Y Carrier	*83.4*		*30 - 110*	*11/06/23 07:40*	*12/01/23 11:19*	*1*

Lab Sample ID: LCS 160-635539/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 639151
Prep Batch: 635539

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.68	7.104		0.984	1.00	0.367	pCi/L	93	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*104*		*30 - 110*
Y Carrier	*86.4*		*30 - 110*

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: MB 160-635542/1-A
Matrix: Water
Analysis Batch: 638947

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 635542

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.3051	U	0.327	0.328	1.00	0.532	pCi/L	11/06/23 08:07	11/30/23 12:03	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*100*		*30 - 110*	*11/06/23 08:07*	*11/30/23 12:03*	*1*
Y Carrier	*84.5*		*30 - 110*	*11/06/23 08:07*	*11/30/23 12:03*	*1*

Lab Sample ID: LCS 160-635542/2-A
Matrix: Water
Analysis Batch: 638947

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 635542

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.68	7.993		1.10	1.00	0.435	pCi/L	104	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*101*		*30 - 110*
Y Carrier	*87.9*		*30 - 110*

Lab Sample ID: 180-164520-2 DU
Matrix: Water
Analysis Batch: 638995

Client Sample ID: SW-6
Prep Type: Dissolved
Prep Batch: 635539

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.406	U		1.004		0.386	1.00	0.475	pCi/L			0.88	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*99.3*		*30 - 110*
Y Carrier	*86.0*		*30 - 110*

Rad

Prep Batch: 633550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164148-2	SW-1	Dissolved	Water	PrecSep-21	
MB 160-633550/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-633550/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 633552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164148-2	SW-1	Dissolved	Water	PrecSep_0	
MB 160-633552/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-633552/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 633688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164148-14	SW-4	Dissolved	Water	PrecSep-21	
180-164148-15	SW-5	Total/NA	Water	PrecSep-21	
180-164148-16	SW-5	Dissolved	Water	PrecSep-21	
180-164148-17	SW-5	Total/NA	Water	PrecSep-21	
180-164148-18	SW-5	Dissolved	Water	PrecSep-21	
180-164148-23	SW-9	Total/NA	Water	PrecSep-21	
180-164148-24	SW-9	Dissolved	Water	PrecSep-21	
180-164148-25	SW-9	Total/NA	Water	PrecSep-21	
180-164148-26	SW-9	Dissolved	Water	PrecSep-21	
180-164148-27	SW-10	Total/NA	Water	PrecSep-21	
180-164148-28	SW-10	Dissolved	Water	PrecSep-21	
180-164148-29	SW-11	Total/NA	Water	PrecSep-21	
180-164148-31	SW-12	Total/NA	Water	PrecSep-21	
180-164148-32	SW-12	Dissolved	Water	PrecSep-21	
180-164148-33	DUP-01	Total/NA	Water	PrecSep-21	
180-164148-34	DUP-01	Dissolved	Water	PrecSep-21	
180-164148-35	DUP-02	Total/NA	Water	PrecSep-21	
180-164148-36	DUP-02	Dissolved	Water	PrecSep-21	
180-164148-37	EB-01	Total/NA	Water	PrecSep-21	
180-164148-38	FB-01	Total/NA	Water	PrecSep-21	
MB 160-633688/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-633688/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
180-164148-38 DU	FB-01	Total/NA	Water	PrecSep-21	

Prep Batch: 633689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164148-14	SW-4	Dissolved	Water	PrecSep_0	
180-164148-15	SW-5	Total/NA	Water	PrecSep_0	
180-164148-16	SW-5	Dissolved	Water	PrecSep_0	
180-164148-17	SW-5	Total/NA	Water	PrecSep_0	
180-164148-18	SW-5	Dissolved	Water	PrecSep_0	
180-164148-23	SW-9	Total/NA	Water	PrecSep_0	
180-164148-24	SW-9	Dissolved	Water	PrecSep_0	
180-164148-25	SW-9	Total/NA	Water	PrecSep_0	
180-164148-26	SW-9	Dissolved	Water	PrecSep_0	
180-164148-27	SW-10	Total/NA	Water	PrecSep_0	
180-164148-28	SW-10	Dissolved	Water	PrecSep_0	
180-164148-29	SW-11	Total/NA	Water	PrecSep_0	
180-164148-31	SW-12	Total/NA	Water	PrecSep_0	

Rad (Continued)

Prep Batch: 633689 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164148-32	SW-12	Dissolved	Water	PrecSep_0	
180-164148-33	DUP-01	Total/NA	Water	PrecSep_0	
180-164148-34	DUP-01	Dissolved	Water	PrecSep_0	
180-164148-35	DUP-02	Total/NA	Water	PrecSep_0	
180-164148-36	DUP-02	Dissolved	Water	PrecSep_0	
180-164148-37	EB-01	Total/NA	Water	PrecSep_0	
180-164148-38	FB-01	Total/NA	Water	PrecSep_0	
MB 160-633689/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-633689/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
180-164148-38 DU	FB-01	Total/NA	Water	PrecSep_0	

Prep Batch: 634316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164148-1	SW-1	Total/NA	Water	PrecSep-21	
180-164148-3	SW-1	Total/NA	Water	PrecSep-21	
180-164148-4	SW-1	Dissolved	Water	PrecSep-21	
180-164148-5	SW-2	Total/NA	Water	PrecSep-21	
180-164148-6	SW-2	Dissolved	Water	PrecSep-21	
180-164148-7	SW-2	Total/NA	Water	PrecSep-21	
180-164148-8	SW-2	Dissolved	Water	PrecSep-21	
180-164148-9	SW-3	Total/NA	Water	PrecSep-21	
180-164148-10	SW-3	Dissolved	Water	PrecSep-21	
180-164148-11	SW-3	Total/NA	Water	PrecSep-21	
180-164148-12	SW-3	Dissolved	Water	PrecSep-21	
180-164148-13	SW-4	Total/NA	Water	PrecSep-21	
MB 160-634316/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-634316/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 634318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164148-1	SW-1	Total/NA	Water	PrecSep_0	
180-164148-3	SW-1	Total/NA	Water	PrecSep_0	
180-164148-4	SW-1	Dissolved	Water	PrecSep_0	
180-164148-5	SW-2	Total/NA	Water	PrecSep_0	
180-164148-6	SW-2	Dissolved	Water	PrecSep_0	
180-164148-7	SW-2	Total/NA	Water	PrecSep_0	
180-164148-8	SW-2	Dissolved	Water	PrecSep_0	
180-164148-9	SW-3	Total/NA	Water	PrecSep_0	
180-164148-10	SW-3	Dissolved	Water	PrecSep_0	
180-164148-11	SW-3	Total/NA	Water	PrecSep_0	
180-164148-12	SW-3	Dissolved	Water	PrecSep_0	
180-164148-13	SW-4	Total/NA	Water	PrecSep_0	
MB 160-634318/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-634318/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 635435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164520-1	SW-6	Total/NA	Water	PrecSep-21	
180-164520-2	SW-6	Dissolved	Water	PrecSep-21	
180-164520-3	SW-6	Total/NA	Water	PrecSep-21	
180-164520-4	SW-6	Dissolved	Water	PrecSep-21	

Rad (Continued)

Prep Batch: 635435 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164520-5	SW-11	Total/NA	Water	PrecSep-21	
180-164520-6	SW-11	Dissolved	Water	PrecSep-21	
180-164520-7	SW-13	Total/NA	Water	PrecSep-21	
180-164520-8	SW-13	Dissolved	Water	PrecSep-21	
180-164520-9	SW-14	Total/NA	Water	PrecSep-21	
180-164520-10	SW-14	Dissolved	Water	PrecSep-21	
MB 160-635435/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-635435/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
180-164520-2 DU	SW-6	Dissolved	Water	PrecSep-21	

Prep Batch: 635539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164520-1	SW-6	Total/NA	Water	PrecSep_0	
180-164520-2	SW-6	Dissolved	Water	PrecSep_0	
180-164520-3	SW-6	Total/NA	Water	PrecSep_0	
180-164520-4	SW-6	Dissolved	Water	PrecSep_0	
180-164520-5	SW-11	Total/NA	Water	PrecSep_0	
180-164520-6	SW-11	Dissolved	Water	PrecSep_0	
180-164520-7	SW-13	Total/NA	Water	PrecSep_0	
180-164520-8	SW-13	Dissolved	Water	PrecSep_0	
180-164520-9	SW-14	Total/NA	Water	PrecSep_0	
180-164520-10	SW-14	Dissolved	Water	PrecSep_0	
MB 160-635539/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-635539/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
180-164520-2 DU	SW-6	Dissolved	Water	PrecSep_0	

Prep Batch: 635540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164520-11	SW-15	Total/NA	Water	PrecSep-21	
180-164520-12	SW-15	Dissolved	Water	PrecSep-21	
180-164520-13	SW-16	Total/NA	Water	PrecSep-21	
180-164520-14	SW-16	Dissolved	Water	PrecSep-21	
180-164520-15	SW-17	Total/NA	Water	PrecSep-21	
180-164520-16	SW-17	Dissolved	Water	PrecSep-21	
180-164520-17	DUP-03	Total/NA	Water	PrecSep-21	
180-164520-18	DUP-03	Dissolved	Water	PrecSep-21	
180-164520-19	EB-02	Total/NA	Water	PrecSep-21	
180-164520-20	FB-02	Total/NA	Water	PrecSep-21	
MB 160-635540/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-635540/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 635542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164520-11	SW-15	Total/NA	Water	PrecSep_0	
180-164520-12	SW-15	Dissolved	Water	PrecSep_0	
180-164520-13	SW-16	Total/NA	Water	PrecSep_0	
180-164520-14	SW-16	Dissolved	Water	PrecSep_0	
180-164520-15	SW-17	Total/NA	Water	PrecSep_0	
180-164520-16	SW-17	Dissolved	Water	PrecSep_0	
180-164520-17	DUP-03	Total/NA	Water	PrecSep_0	
180-164520-18	DUP-03	Dissolved	Water	PrecSep_0	

Rad (Continued)

Prep Batch: 635542 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164520-19	EB-02	Total/NA	Water	PrecSep_0	
180-164520-20	FB-02	Total/NA	Water	PrecSep_0	
MB 160-635542/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-635542/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Eurofins TestAmerica, Pittsburgh

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Rick + Laura Hagendorfer / Kevin Beaty	Lab PM: Brown, Shali	Carrier Tracking No(s)	COC No
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali brown@eurofinset com		Page: 1 of 5
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: Alabama				
Phone: 205 992 6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Watson Surfacewater	Project #: 18020186			
Site:	SSOW#:			

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

Other:

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)		Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissolved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined	****Dissolved Samples are Field Filtered****	Total Number of containers	Special Instr
			Preservation Code:														
SW-1	10-17-23	1557	G	W	NO		X	X	X	X						4	Depth-1'
SW-1	10-17-23	1610	G	W	YES						X	X	X	X		4	Depth-1'
SW-1	10-17-23	1619	G	W	NO		X	X	X	X						4	Depth-7'
SW-1	10-17-23	1631	G	W	YES						X	X	X	X		4	Depth-7'
SW-2	10-17-23	1508	G	W	NO		X	X	X	X						4	Depth-1'
SW-2	10-17-23	1520	G	W	YES						X	X	X	X		4	Depth-1'
SW-2	10-17-23	1530	G	W	NO		X	X	X	X						4	Depth-7'
SW-2	10-17-23	1541	G	W	YES						X	X	X	X		4	Depth-7'
SW-3	10-17-23	0925	G	W	NO		X	X	X	X						4	Depth-1'
SW-3	10-17-23	0939	G	W	YES						X	X	X	X		4	Depth-1'
SW-3	10-17-23	0950	G	W	NO		X	X	X	X						4	Depth-4'

180-164148 Chain of Custody

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

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

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

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	10-18-23 1635	RDH EW	[signature]	10-19-23 0920	[signature]
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by	Date/Time	Company

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

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Rick + Laura / Kevin Heyendorfo / Beaty	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 2 of 5
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: Alabama				
Phone: 205 992 6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Watson Surfacewater	Project #: 18020186			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissolved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined	****Dissolved Samples are Field Filtered****			Total Number of containers	Special Instructions/Note:
			Preservation Code:															
SW-3	10-17-23	1003	G	W	YES					X	X	X	X				4	Depth-4'
SW-4	10-17-23	1153	G	W	NO	X	X	X	X								4	Depth-1.5"
SW-4	10-17-23	1222	G	W	YES					X	X	X	X				4	Depth-1.5"
SW-5	10-17-23	0759	G	W	NO	X	X	X	X								4	Depth-1'
SW-5	10-17-23	0833	G	W	YES					X	X	X	X				4	Depth-1'
SW-5	10-17-23	0850	G	W	NO	X	X	X	X								4	Depth-13'
SW-5	10-17-23	0902	G	W	YES					X	X	X	X				4	Depth-13'
SW-6	10-17-23	0934	G	W	NO	X	X	X	X								4	Depth-1'
SW-6	10-17-23	0949	G	W	YES					X	X	X	X				4	Depth-1'
SW-6	10-17-23	1000	G	W	NO	X	X	X	X								4	Depth-9.5"
SW-6	10-17-23	1013	G	W	YES					X	X	X	X				4	Depth-9.5"

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

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

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

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
		10-18-23 1635	EDH ENV.		10/19/23 0920	FEDEX
	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

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

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Alec + Laura / Kevin Hagendorfer / Beaty	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 3 of 5
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: Alabama				
Phone: 205 992 6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Watson Surfacewater	Project #: 18020186			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissolved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined	****Dissolved Samples are Field Filtered****	Total Number of containers	Special Instructions/Note:
			Preservation Code:													
SW-9	10-17-23	1238	G	W	NO	X	X	X	X						4	Depth-1'
SW-9	10-17-23	1251	G	W	YES					X	X	X	X		4	Depth-1'
SW-9	10-17-23	1302	G	W	NO	X	X	X	X						4	Depth-4'
SW-9	10-17-23	1322	G	W	YES					X	X	X	X		4	Depth-4'
SW-10	10-17-23	1206	G	W	NO	X	X	X	X						4	Depth-2'
SW-10	10-17-23	1220	G	W	YES					X	X	X	X		4	Depth-2'
SW-11	10-17-23	1131	G	W	NO	X	X	X	X						4	Depth-1'
SW-11	10-17-23	1144	G	W	YES					X	X	X	X		4	Depth-1'
SW-12	10-17-23	1039	G	W	NO	X	X	X	X						4	Depth-1'
SW-12	10-17-23	1100	G	W	YES					X	X	X	X		4	Depth-1'
~~SW-13~~ ROH 10-18-23	10-17-23		G	W	NO	X	X	X	X						4	Depth-1' No sample collected

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

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

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

Special Instructions/QC Requirements

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
		10-14-23 1635	EMI		10-14-23 0920	
	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

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

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information			
Client Contact: SCS Contacts	Sampler: Rick Flawa / Kevin Hagendorfer / Beaty	Lab PM: Brown, Shali	Carrier Tracking No(s):
Company: SCS	Phone: 850-336-0192	E-Mail: shali brown@eurofinset.com	COC No:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:		Page: 4 of 5
City: Birmingham	TAT Requested (days):		Job #:
State, Zip: Alabama	PO #:		
Phone: 205 992 6283	WO #:		
Email: SCS Contacts	Project #: 18020186		
Project Name: Watson Surfacewater	SSOW#:		
Site:			

Analysis Requested

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)		Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissolved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined	****Dissolved Samples are Field Filtered****	Special Instructions/Note:
				Preservation Code:											
~~SW-13~~	10-17-23		G	W	YES					X	X	X	X		Depth-1' No sample collected
SW-14	10-17-23		G	W	NO	X	X	X	X						Depth-1.5"
SW-14	10-17-23		G	W	YES					X	X	X	X		Depth-1.5"
SW-15	10-17-23		G	W	NO	X	X	X	X						Depth-1.5"
SW-15	10-17-23		G	W	YES					X	X	X	X		Depth-1.5"
SW-16	10-17-23		G	W	NO	X	X	X	X						Depth-1.5"
SW-16	10-17-23		G	W	YES					X	X	X	X		Depth-1.5"
SW-17	10-17-23		G	W	NO	X	X	X	X						Depth-1'
SW-17 RDH 10-18-23	10-17-23		G	W	YES					X	X	X	X		Depth-1' RDH 10-18-23
DUP-01	10-17-23	0939	G	W	NO	X	X	X	X						
DUP-01	10-17-23	1000	G	W	YES					X	X	X	X		

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: [signature]	Date/Time: 10-18-23 1635	Company: RDH ENV.	Received by: [signature]	Date/Time: 10-19-23 0930	Company: ETPitt
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

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

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Rick + Lara Hogendorfer / Kevin Beaty	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 5 of 5
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: Alabama				
Phone: 205 992 6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Watson Surfacewater	Project #: 18020186			
Site:	SSOW#:			

Analysis Requested

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissoved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined	****Dissolved Samples are Field Filtered****	Special Instructions/Note:
			Preservation Code:												
Dup-02	10-17-23	1053	G	W	NO	X	X	X	X						
Dup-02	10-17-23	1122	G	W	YES					X	X	X	X		
~~Dup-03~~ ROH 10-18-23	10-17-23		G	W	NO	X	X	X	X						No sample collected
~~Dup-03~~ ROH 10-18-23	10-17-23		G	W	YES					X	X	X	X		No sample collected
EB-01	10-17-23	0815	G	W	NO	X	X	X	X						
FB-01	10-17-23	0810	G	W	NO	X	X	X	X						
EB-02	10-17-23		G	W	NO	X	X	X	X						
FB-02	10-17-23		G	W	NO	X	X	X	X						

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	10-18-23 1635	ROH ENV.	[signature]	10-19-23 0920	ETA [signature]

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

Ver: 01/16/2019

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

Chain of Custody Record

180-164520 Chain of Custody

eurofins | Environment Testing America

Client Information	Sampler: Rick Hagendorfer	Lab PM: Brown, Shali	
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com	1 of 2
Company: SCS			Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:		
City: Birmingham	TAT Requested (days):		
State, Zip: Alabama			
Phone: 205 992.6283	PO #:		
Email: SCS Contacts	WO #:		
Project Name: Watson Surfacewater	Project #: 18020186		
Site:	SSOW#:		

Analysis Requested

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered	Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissoved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined	****Dissolved Samples are Field Filtered****	Special Instructions/Note:
			Preservation Code:												
SW-6	10-25-23	1615	G	water	No	X	X	X	X						Depth-1'
SW-6	10-25-23	1630	G	water	Yes					X	X	X	X		Depth-1'
SW-6	10-25-23	1701	G	water	No	X	X	X	X						Depth-9'5"
SW-6	10-25-23	1720	G	water	Yes					X	X	X	X		Depth-9'5"
SW-11	10-25-23	1513	G	water	No	X	X	X	X						Depth-1'
SW-11	10-25-23	1530	G	water	Yes					X	X	X	X		Depth-1'
SW-13	10-25-23	1437	G	water	No	X	X	X	X						Depth-1'
SW-13	10-25-23	1450	G	water	Yes					X	X	X	X		Depth-1'
SW-14	10-25-23	1316	G	water	No	X	X	X	X						Depth-1.5"
SW-14	10-25-23	1335	G	water	Yes					X	X	X	X		Depth-1.5"
SW-15	10-25-23	1356	G	water	No	X	X	X	X						Depth-1.5"

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

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

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

Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time	Method of Shipment:		
Relinquished by: [signature]	Date/Time: 10-26-23 1715	Company: ROH GW	Received by: [signature]	Date/Time: 10-27-23 0910	Company: ETA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time.	Company

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

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Rick Hagendorfer	Lab PM: Brown, Shali	Carrier Tracking No(s).	COC No
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 2 of 2
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: Alabama				
Phone: 205 992.6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Watson Surfacewater	Project #: 18020186			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA

M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify)

Other:

****Dissolved Samples are Field Filtered****

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)		Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissoved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined	Special Instructions/Note:
Preservation Code:														
SW-15	10-25-23	1408	G	water	yes					X	X	X	X	Depth-1.5"
SW-16	10-25-23	1211	G	water	NO	X	X	X	X					Depth-1.5"
SW-16	10-25-23	1237	G	water	yes					X	X	X	X	Depth-1'5"
SW-17	10-25-23	1127	G	water	NO	X	X	X	X					Depth-1'
SW-17	10-25-23	1146	G	water	yes					X	X	X	X	Depth-1'
Dup-03	10-25-23	1111	G	water	NO	X	X	X	X					
Dup-03	10-25-23	1137	G	water	yes					X	X	X	X	
EB-02	10-25-23	1023	G	water	NO	X	X	X	X					
FB-02	10-25-23	1016	G	water	NO	X	X	X	X					

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

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

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

Special Instructions/QC Requirements.

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	10-26-23 1715	SCS ENV.	[signature]	10-27-23 0910	EPI Pitt

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

Ver: 01/16/2019

ORIGIN ID:BIXA (850) 336-0192
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR

PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18OCT23
ACTWGT: 70.00 LB
CAD: 6993799/SSFE2441
DIMS: 24x13x13 IN

BILL THIRD PARTY

Part # 156297-435 RRDB2 EXP 05/24

TO

TESTAMERICA PITTSBURGH LAB
301 ALPHA DR

PITTSBURGH PA 15238
(850) 336-0192 REF:
INV:
PO: DEPT:

Uncorrected temp 2.2 °C
Thermometer ID 22
CF -0.4 Initials NL
PT-WI-SR-001 effective 11/8/18

FedEx Express

E

J234023101501uv

3 of 9
MPS# 0263 7852 3774 9078
Mstr# 7852 3774 9056 0201

THU - 19 OCT 10:30A
PRIORITY OVERNIGHT

XS AGCA

15238
PA-US PIT

Do not lift using this ta

ORIGIN ID:BIXA (850) 336-0192
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR

PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18OCT23
ACTWGT: 70.00 LB
CAD: 6993799/SSFE244
DIMS: 24x13x13 IN

BILL THIRD PARTY

TO

TESTAMERICA PITTSBURGH LAB
301 ALPHA DR

PITTSBURGH PA 15238
(850) 336-0192 REF:
INV:
PO: DEPT:

Uncorrected temp 2.5 °C
Thermometer ID 22
CF -0.4 Initials NL
PT-WI-SR-001 effective 11/8/18

Fe

1 of 9
TRK# 0201 7852 3774 9056
MASTER

THU - 19 OCT 1
PRIORITY OVERN

XS AGCA

1
PA-US

180-164148 Waybill

ORIGIN ID:BIXA (850) 336-0192
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18OCT23
ACTWGT: 70.00 LB
CAD: 6993799/SSFE2441
DIMS: 24x13x13 IN
BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR

PITTSBURGH PA 15238
(850) 336-0192 REF:
INV:
PO: DEPT:

Uncorrected temp 3.6 °C
Thermometer ID 22
CF -0.4 Initials [illegible]
PT-WI-SR-001 effective 11/8/18

FedEx Express
E

5 of 9
MPS# 7852 3774 9090 0263
Mstr# 7852 3774 9056
0201

THU - 19 OCT 10:30A
PRIORITY OVERNIGHT

XS AGCA

15238
PA-US PIT

Part # 156297-[illegible] EXP 05/24

RT 198
FZ 197
1 10:30
A
9090
10.19

ORIGIN ID:BIXA (850) 336-0192
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18OCT23
ACTWGT: 70.00 LB
CAD: 6993799/SSFE2441
DIMS: 24x13x13 IN
BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR

PITTSBURGH PA 15238
(850) 336-0192 REF:
INV:
PO: DEPT:

Uncorrected temp 3.4 °C
Thermometer ID 22
CF -0.4 Initials [illegible]
PT-WI-SR-001 effective 11/8/18

FedEx Express
E

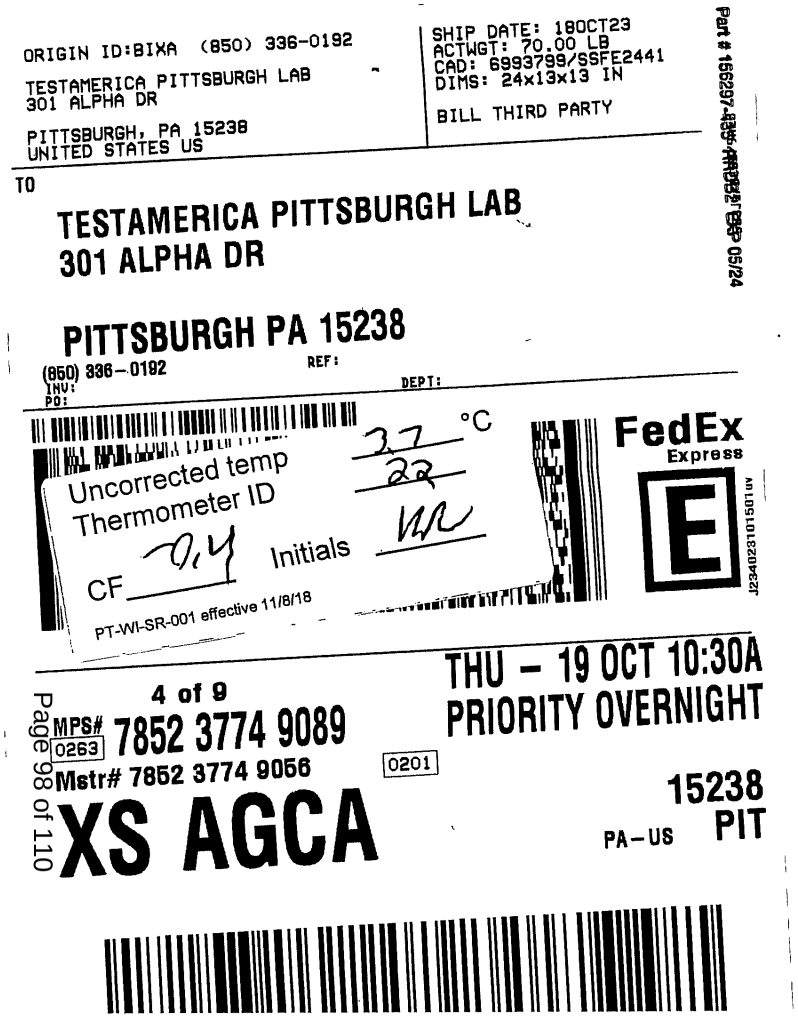
7 of 9
MPS# 7852 3774 9115 0263
Mstr# 7852 3774 9056
0201

THU - 19 OCT 10:30A
PRIORITY OVERNIGHT

XS AGCA

15238
PA-US PIT

Part # 156297-[illegible] EXP 05/24



ORIGIN ID:BIXA (850) 336-0192
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

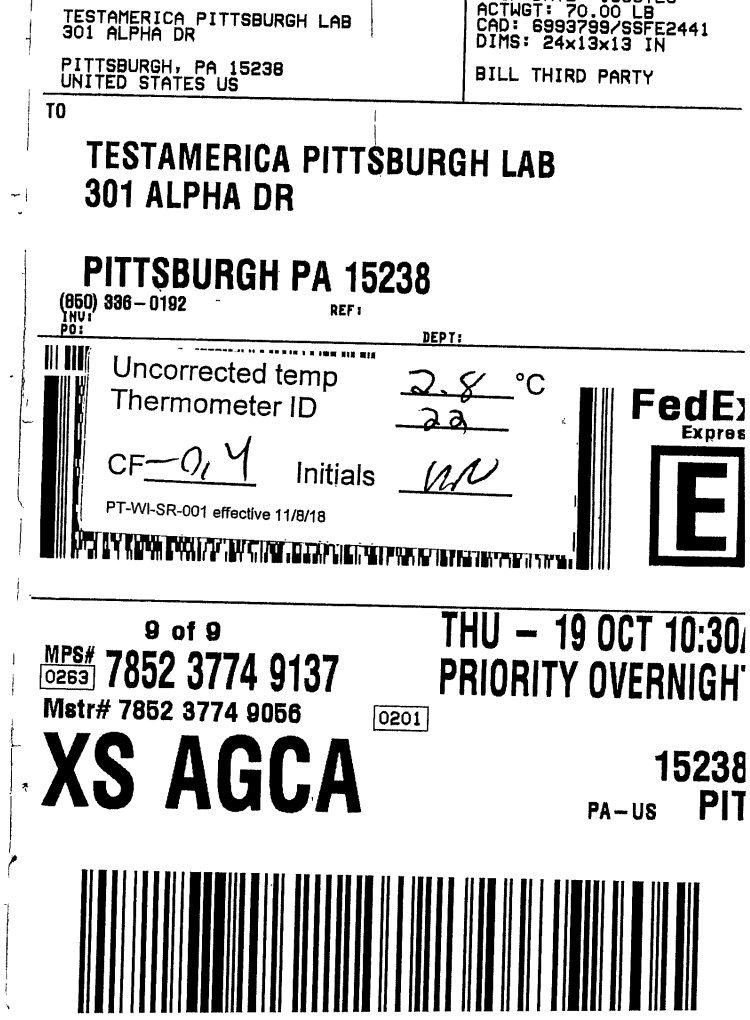
SHIP DATE: 18OCT23
ACTWGT: 70.00 LB
CAD: 6993799/SSFE2441
DIMS: 24x13x13 IN
BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH PA 15238
(850) 336-0192
INV:
PO:
REF:
DEPT:

Uncorrected temp 3.7 °C
Thermometer ID 22
CF 0.4 Initials MR
PT-WI-SR-001 effective 11/8/18

FedEx Express

4 of 9
MPS# 0263 7852 3774 9089
Mstr# 7852 3774 9056
0201
XS AGCA
THU - 19 OCT 10:30A
PRIORITY OVERNIGHT
15238
PA-US PIT



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

SHIP DATE: 18OCT23
ACTWGT: 70.00 LB
CAD: 6993799/SSFE2441
DIMS: 24x13x13 IN
BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH PA 15238
(850) 336-0192
INV:
PO:
REF:
DEPT:

Uncorrected temp 2.8 °C
Thermometer ID 22
CF 0.4 Initials MR
PT-WI-SR-001 effective 11/8/18

FedEx Express

9 of 9
MPS# 0263 7852 3774 9137
Mstr# 7852 3774 9056
0201
XS AGCA
THU - 19 OCT 10:30
PRIORITY OVERNIGH
15238
PA-US PIT

UNITED STATES US

TO

TESTAMERICA PITTSBURGH LAB
301 ALPHA DR

PITTSBURGH PA 15238
(850) 336-0192 REF:
INV:
PO: DEPT:

Uncorrected temp 4.5 °C
Thermometer ID 22
CF -0.4 Initials MR
PT-WI-SR-001 effective 11/8/18

FedEx Express

8 of 9
MPS# 0263 7852 3774 9126
Mstr# 7852 3774 9056
0201

THU - 19 OCT 10:30A
PRIORITY OVERNIGHT

XS AGCA

15238
PA-US PIT

ORIGIN ID:BIXA (850) 336-0192
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18OCT23
ACTWGT: 70.00 LB
CAD: 6993799/SSFE2441
DIMS: 24x13x13 IN

BILL THIRD PARTY

TO

TESTAMERICA PITTSBURGH LAB
301 ALPHA DR

PITTSBURGH PA 15238
(850) 336-0192 REF:
INV:
PO: DEPT:

Uncorrected temp 3.1 °C
Thermometer ID 22
CF -0.4 Initials MR
PT-WI-SR-001 effective 11/8/18

FedEx Express

6 of 9
MPS# 0263 7852 3774 9104
Mstr# 7852 3774 9056
0201

THU - 19 OCT 10:30A
PRIORITY OVERNIGHT

XS AGCA

15238
PA-US PIT

Do not lift using this tag.

ORIGIN ID:BIXA (850) 336-0192
RICK HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 26OCT23
ACTWGT: 70.20 LB
CAD: 6993800/SSFE2441
DIMS: 24x13x13 IN

BILL THIRD PARTY

Part # 156297-435 [illegible] EXP 05/24

TO RICK HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH PA 15238
(850) 336-0192 REF:
INV:
PO: DEPT:

Uncorrected temp 2.1 °C
Thermometer ID 29
CF -0.15 Initials NR
PT-WI-SR-001 effective 11/8/18

FedEx Express
E
J234023101501uv

2 of 5
MPS# 0263 7855 9564 4420
Mstr# 7855 9564 4410
0201
XS AGCA

FRI - 27 OCT 10:30A
PRIORITY OVERNIGHT
AHS
15238
PA-US PIT

Do not lift using this tag.

ORIGIN ID:BIXA (850) 336-0192
RICK HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 26OCT23
ACTWGT: 70.20 LB
CAD: 6993800/SSFE2441
DIMS: 24x13x13 IN

BILL THIRD PARTY

Part # 156297-435 [illegible] EXP 05/24

TO RICK HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH PA 15238
(850) 336-0192 REF:
INV:
PO: DEPT:

Uncorrected temp 5.4 °C
Thermometer ID 20
CF -0.5 Initials KR
PT-WI-SR-001 effective 11/8/18

FedEx Express
E
J234023101501uv

3 of 5
MPS# 0263 7855 9564 4431
Mstr# 7855 9564 4410
0201
XS AGCA

FRI - 27 OCT 10:30A
PRIORITY OVERNIGHT
AHS
15238
PA-US PIT

RT 109 1

180-164520 Waybill

Do not lift using this tag.

ORIGIN ID:BIXA (850) 336-0192
RICK HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 26OCT23
ACTWGT: 70.20 LB
CAD: 6993800/SSFE2441
DIMS: 24x13x13 IN
BILL THIRD PARTY

TO RICK HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH PA 15238
(850) 336-0192 REF:
INV:
PO: DEPT:

FedEx Express

E

J234023101501uv

Uncorrected temp 1.3 °C
Thermometer ID 20
CF -0.5 Initials NC
PT-WI-SR-001 effective 11/8/18

5 of 5
MPS# 0263 7855 9564 4453
Mstr# 7855 9564 4410 0201
XS AGCA

FRI – 27 OCT 10:30A
PRIORITY OVERNIGHT
AHS
15238
PA–US PIT

Do not lift using this tag.

ORIGIN ID:BIXA (850) 336-0192
RICK HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 26OCT23
ACTWGT: 70.20 LB
CAD: 6993800/SSFE2441
DIMS: 24x13x13 IN
BILL THIRD PARTY

TO RICK HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH PA 15238
(850) 336-0192 REF:
INV:
PO: DEPT:

E

J234023101501uv

4 of 5
MPS# 0263 7855 9564 4442
Mstr# 7855 9564 4410 0201
XS AGCA

FRI – 27 OCT 10:30A
PRIORITY OVERNIGHT
AHS
15238
PA–US PIT

Uncorrected temp 1.6 °C
Thermometer ID 22
CF -0.4 Initials PM
PT-WI-SR-001 effective 11/8/18

RT 198 1 10:30 A
FZ 197 4442 10.27

Do not lift using this tag.

ORIGIN ID:BIXA (850) 336-0192
RICK HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 26OCT23
ACTWGT: 70.20 LB
CAD: 6993800/SSFE2441
DIMS: 24x13x13 IN

BILL THIRD PARTY

TO RICK HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH PA 15238
(850) 336-0192 REF:
INV:
PO: DEPT:

Uncorrected temp 1.1 °C
Thermometer ID 20
CF -0.5 Initials
-SR-001 effective 11/8/18

FedEx Express
E

1 of 5
TRK# 0201 7855 9564 4410
MASTER
XS AGCA

FRI - 27 OCT 10:30A
PRIORITY OVERNIGHT
AHS
15238
PA-US PIT

RT 198 10:30 A
FZ 197
4410
10.27

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 180-498216.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 1 of 4
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 180-164148-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 11/27/2023	Analysis Requested		Preservation Codes:
City: Earth City	TAT Requested (days):			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			Other:
Email:	WO #:			
Project Name: Plant Watson Surfacewater	Project #: 18020186			
Site:	SSOW#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	9315_Ra226/FIELD_FLTRD Radium 226 (Field Filtered)	9320_Ra228/FIELD_FLTRD Radium 228 (Field Filtered)	RA226_228GPFC_D/FIELD_FLTRD (MOD) Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
SW-1 (180-164148-1)	10/17/23	15:57 Eastern		Water			X	X	X				2	
SW-1 (180-164148-2)	10/17/23	16:10 Eastern		Water						X	X	X	2	
SW-1 (180-164148-3)	10/17/23	16:19 Eastern		Water			X	X	X				2	
SW-1 (180-164148-4)	10/17/23	16:31 Eastern		Water						X	X	X	2	
SW-2 (180-164148-5)	10/17/23	15:08 Eastern		Water			X	X	X				2	
SW-2 (180-164148-6)	10/17/23	15:20 Eastern		Water						X	X	X	2	
SW-2 (180-164148-7)	10/17/23	15:30 Eastern		Water			X	X	X				2	
SW-2 (180-164148-8)	10/17/23	15:41 Eastern		Water						X	X	X	2	
SW-3 (180-164148-9)	10/17/23	09:25 Eastern		Water			X	X	X				2	

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

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

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 10/24/23 17:00	Company: BWNE	Received by: Fedex
Relinquished by: Fedex	Date/Time:	Company	Received by: M. Pinetta
Relinquished by:	Date/Time:	Company	Received by: Date/Time: OCT 25 2023 0850 Company

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

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 180-498216.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 2 of 4
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 180-164148-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 11/27/2023			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Plant Watson Surfacewater	Project #: 18020186			
Site:	SSOW#:			

Preservation Codes:

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

Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	9315_Ra226/FIELD_FLTRD Radium 226 (Field Filtered)	9320_Ra228/FIELD_FLTRD Radium 228 (Field Filtered)	RA226_228GPFC_D/FIELD_FLTRD (MOD) Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
SW-3 (180-164148-10)	10/17/23	09:39 Eastern		Water						X	X	X	2	
SW-3 (180-164148-11)	10/17/23	09:50 Eastern		Water			X	X	X				2	
SW-3 (180-164148-12)	10/17/23	10:03 Eastern		Water						X	X	X	2	
SW-4 (180-164148-13)	10/17/23	11:53 Eastern		Water			X	X	X				2	
SW-4 (180-164148-14)	10/17/23	12:22 Eastern		Water						X	X	X	2	
SW-5 (180-164148-15)	10/17/23	07:59 Eastern		Water			X	X	X				2	
SW-5 (180-164148-16)	10/17/23	08:33 Eastern		Water						X	X	X	2	
SW-5 (180-164148-17)	10/17/23	08:50 Eastern		Water			X	X	X				2	
SW-5 (180-164148-18)	10/17/23	09:02 Eastern		Water						X	X	X	2	

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

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

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

Relinquished by: Fedex	Date/Time: 10/24/23 1700	Company: FedEx	Received by: M. Pinette Fedex	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: OCT 25 2023 0950	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 180-498216.3
Client Contact: Shipping/Receiving	Phone:	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 3 of 4
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 180-164148-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 11/27/2023			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Plant Watson Surfacewater	Project #: 18020186			
Site:	SSOW#:			

Analysis Requested

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

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	9315_Ra226/FIELD_FLTRD Radium 226 (Field Filtered)	9320_Ra228/FIELD_FLTRD Radium 228 (Field Filtered)	RA226_228GFPC_D/FIELD_FLTRD (MOD) Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
SW-9 (180-164148-23)	10/17/23	12:38 Eastern		Water			X	X	X				2	
SW-9 (180-164148-24)	10/17/23	12:51 Eastern		Water						X	X	X	2	
SW-9 (180-164148-25)	10/17/23	13:02 Eastern		Water			X	X	X				2	
SW-9 (180-164148-26)	10/17/23	13:22 Eastern		Water						X	X	X	2	
SW-10 (180-164148-27)	10/17/23	12:06 Eastern		Water			X	X	X				2	
SW-10 (180-164148-28)	10/17/23	12:20 Eastern		Water						X	X	X	2	
SW-11 (180-164148-29)	10/17/23	11:31 Eastern		Water			X	X	X				2	
SW-12 (180-164148-31)	10/17/23	10:39 Eastern		Water			X	X	X				2	
SW-12 (180-164148-32)	10/17/23	11:00 Eastern		Water						X	X	X	2	

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

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		10/24/23 1700		Fedex		
2	Fedex			M. Pinette	OCT 25 2023 1050	
3						

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

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 180-498216.4
Client Contact: Shipping/Receiving	Phone:	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 4 of 4
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 180-164148-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 11/27/2023			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Plant Watson Surfacewater	Project #: 18020186			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	9315_Ra226/FIELD_FLTRD Radium 226 (Field Filtered)	9320_Ra228/FIELD_FLTRD Radium 228 (Field Filtered)	RA226_228GFPC_D/FIELD_FLTRD (MOD) Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
DUP-01 (180-164148-33)	10/17/23	09:39 Eastern		Water			X	X	X				2	
DUP-01 (180-164148-34)	10/17/23	10:00 Eastern		Water						X	X	X	2	
DUP-02 (180-164148-35)	10/17/23	10:53 Eastern		Water			X	X	X				2	
DUP-02 (180-164148-36)	10/17/23	11:22 Eastern		Water						X	X	X	2	
EB-01 (180-164148-37)	10/17/23	08:15 Eastern		Water			X	X	X				2	
FB-01 (180-164148-38)	10/17/23	08:10 Eastern		Water			X	X	X				2	

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

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

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		10/24/2370		Fedex		
2	Fedex			M Pinette	OCT 25 2023 1050	
3						

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

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-164148-2

Login Number: 164148

List Source: Eurofins Pittsburgh

List Number: 1

Creator: Abernathy, Eric L

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

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-164148-2

Login Number: 164148
List Number: 3
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 10/25/23 02:46 PM

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

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-164148-2

Login Number: 164520

List Source: Eurofins Pittsburgh

List Number: 1

Creator: Abernathy, Eric L

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

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-164148-2

Login Number: 164520
List Number: 3
Creator: Worthington, Sierra M

List Source: Eurofins St. Louis
List Creation: 10/31/23 01:25 PM

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

Low-Flow Test Report:

Test Date / Time: 10/18/2023 9:16:10 AM
Project: Watson CCR APMW-16
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-16 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 19.5 ft** **Total Depth: 24.5 ft** **Initial Depth to Water: 2.77 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 22 ft** **Estimated Total Volume Pumped: 8000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.07 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:

Weather Conditions:
Sunny 57

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/18/2023 9:16 AM	00:00	6.36 pH	18.73 °C	10,209 µS/cm	2.36 mg/L		-213.0 mV	2.77 ft	400.00 ml/min
10/18/2023 9:21 AM	05:00	6.47 pH	20.83 °C	9,855.3 µS/cm	0.22 mg/L	0.92 NTU	-317.4 mV	2.85 ft	400.00 ml/min
10/18/2023 9:26 AM	10:00	6.47 pH	21.00 °C	9,806.0 µS/cm	0.19 mg/L	0.43 NTU	-331.4 mV	2.84 ft	400.00 ml/min
10/18/2023 9:31 AM	15:00	6.51 pH	21.09 °C	9,783.0 µS/cm	0.18 mg/L	0.54 NTU	-336.6 mV	2.84 ft	400.00 ml/min
10/18/2023 9:36 AM	20:00	6.51 pH	21.09 °C	9,788.7 µS/cm	0.17 mg/L	0.44 NTU	-339.9 mV	2.84 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-16	Sample time 0938

Low-Flow Test Report:

Test Date / Time: 10/18/2023 10:23:42 AM
Project: Watson CCR APMW-15
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-15 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 20.5 ft** **Total Depth: 25.5 ft** **Initial Depth to Water: 2.97 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 23 ft** **Estimated Total Volume Pumped: 10000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.04 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:

Weather Conditions:
Sunny 66

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/18/2023 10:23 AM	00:00	6.28 pH	27.50 °C	2,823.8 µS/cm	5.14 mg/L		-177.2 mV	2.97 ft	400.00 ml/min
10/18/2023 10:28 AM	05:00	6.41 pH	22.43 °C	8,146.6 µS/cm	0.21 mg/L	1.12 NTU	-227.0 mV	2.99 ft	400.00 ml/min
10/18/2023 10:33 AM	10:00	6.44 pH	21.75 °C	8,119.3 µS/cm	0.18 mg/L	0.77 NTU	-230.8 mV	3.01 ft	400.00 ml/min
10/18/2023 10:38 AM	15:00	6.46 pH	21.71 °C	8,518.2 µS/cm	0.18 mg/L	0.44 NTU	-235.0 mV	3.01 ft	400.00 ml/min
10/18/2023 10:43 AM	20:00	6.47 pH	21.73 °C	8,859.6 µS/cm	0.17 mg/L	0.50 NTU	-239.2 mV	3.01 ft	400.00 ml/min
10/18/2023 10:48 AM	25:00	6.48 pH	21.72 °C	8,920.5 µS/cm	0.16 mg/L	0.57 NTU	-242.3 mV	3.01 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-15	Sample time 1051

Low-Flow Test Report:

Test Date / Time: 10/18/2023 11:49:26 AM
Project: Watson CCR APMW-14
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-14 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 16.5 ft** **Total Depth: 21.5 ft** **Initial Depth to Water: 3.63 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 19 ft** **Estimated Total Volume Pumped: 19800 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 360 ml/min** **Final Draw Down: -0.03 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:

Weather Conditions:
Sunny 73

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/18/2023 11:49 AM	00:00	6.26 pH	25.45 °C	11,049 µS/cm	0.20 mg/L		-38.9 mV	3.63 ft	360.00 ml/min
10/18/2023 11:54 AM	05:00	6.25 pH	24.26 °C	11,167 µS/cm	0.13 mg/L	118.00 NTU	-42.2 mV	3.75 ft	360.00 ml/min
10/18/2023 11:59 AM	10:00	6.24 pH	24.18 °C	11,163 µS/cm	0.11 mg/L	72.90 NTU	-24.2 mV	3.72 ft	360.00 ml/min
10/18/2023 12:04 PM	15:00	6.22 pH	24.22 °C	11,111 µS/cm	0.09 mg/L	27.40 NTU	-20.0 mV	3.70 ft	360.00 ml/min
10/18/2023 12:09 PM	20:00	6.20 pH	24.17 °C	11,039 µS/cm	0.09 mg/L	18.70 NTU	-16.4 mV	3.68 ft	360.00 ml/min
10/18/2023 12:14 PM	25:00	6.21 pH	24.20 °C	11,028 µS/cm	0.08 mg/L	13.80 NTU	-13.4 mV	3.67 ft	360.00 ml/min
10/18/2023 12:19 PM	30:00	6.19 pH	24.17 °C	10,977 µS/cm	0.08 mg/L	12.70 NTU	-9.8 mV	3.66 ft	360.00 ml/min
10/18/2023 12:24 PM	35:00	6.19 pH	24.13 °C	10,944 µS/cm	0.08 mg/L	7.90 NTU	-6.5 mV	3.65 ft	360.00 ml/min
10/18/2023 12:29 PM	40:00	6.18 pH	24.09 °C	10,895 µS/cm	0.08 mg/L	4.54 NTU	-4.2 mV	3.64 ft	360.00 ml/min
10/18/2023 12:34 PM	45:00	6.18 pH	24.05 °C	10,887 µS/cm	0.07 mg/L	4.66 NTU	-3.6 mV	3.63 ft	360.00 ml/min
10/18/2023 12:39 PM	50:00	6.17 pH	24.11 °C	10,854 µS/cm	0.08 mg/L	2.99 NTU	-3.3 mV	3.61 ft	360.00 ml/min
10/18/2023 12:44 PM	55:00	6.16 pH	24.14 °C	10,830 µS/cm	0.07 mg/L	2.74 NTU	-2.5 mV	3.60 ft	360.00 ml/min

Samples

Sample ID:	Description:
APMW-14	Sample time 1249
Dup-01	Fake sample time 1149

Low-Flow Test Report:

Test Date / Time: 10/18/2023 1:25:05 PM
Project: Watson CCR APMW-13
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW 13 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 16.5 ft** **Total Depth: 21.5 ft** **Initial Depth to Water: 3.58 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 19 ft** **Estimated Total Volume Pumped: 12978 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 360 ml/min** **Final Draw Down: -0.03 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:

Weather Conditions:
Sunny 77

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/18/2023 1:25 PM	00:00	6.23 pH	33.50 °C	4,504.2 µS/cm	2.42 mg/L		-2.3 mV	3.58 ft	360.00 ml/min
10/18/2023 1:30 PM	05:00	6.08 pH	23.26 °C	5,699.8 µS/cm	0.16 mg/L	7.01 NTU	-2.1 mV	3.61 ft	360.00 ml/min
10/18/2023 1:35 PM	10:00	6.08 pH	22.94 °C	5,740.8 µS/cm	0.12 mg/L	6.02 NTU	-3.3 mV	3.60 ft	360.00 ml/min
10/18/2023 1:40 PM	15:00	6.07 pH	22.78 °C	5,727.9 µS/cm	0.10 mg/L	4.05 NTU	-6.4 mV	3.60 ft	360.00 ml/min
10/18/2023 1:40 PM	15:47	6.07 pH	22.83 °C	5,734.4 µS/cm	0.10 mg/L	3.96 NTU	-7.9 mV	3.59 ft	360.00 ml/min
10/18/2023 1:45 PM	20:47	6.07 pH	22.78 °C	5,737.3 µS/cm	0.09 mg/L	1.98 NTU	-8.7 mV	3.58 ft	360.00 ml/min
10/18/2023 1:50 PM	25:47	6.07 pH	22.79 °C	5,733.5 µS/cm	0.09 mg/L	1.28 NTU	-10.3 mV	3.57 ft	360.00 ml/min
10/18/2023 1:56 PM	31:03	6.07 pH	22.78 °C	5,732.3 µS/cm	0.08 mg/L	0.71 NTU	-10.0 mV	3.56 ft	360.00 ml/min
10/18/2023 2:01 PM	36:03	6.07 pH	22.76 °C	5,712.0 µS/cm	0.08 mg/L	0.59 NTU	-11.8 mV	3.55 ft	360.00 ml/min

Samples

Sample ID:	Description:
Sample time 1406	APMW-13

Low-Flow Test Report:

Test Date / Time: 10/19/2023 8:32:24 AM
Project: Watson CCR APMW-1R
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-1R **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 33.6 ft** **Total Depth: 38.6 ft** **Initial Depth to Water: 24.73 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 36.1 ft** **Estimated Total Volume Pumped: 10000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.63 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:

Weather Conditions:
Sunny 56

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/19/2023 8:32 AM	00:00	7.46 pH	14.93 °C	207.93 µS/cm	10.19 mg/L		78.6 mV	24.73 ft	400.00 ml/min
10/19/2023 8:37 AM	05:00	6.12 pH	21.95 °C	8,230.5 µS/cm	0.17 mg/L	0.55 NTU	-71.4 mV	25.25 ft	400.00 ml/min
10/19/2023 8:42 AM	10:00	6.18 pH	22.23 °C	8,327.3 µS/cm	0.14 mg/L	0.49 NTU	-72.4 mV	25.31 ft	400.00 ml/min
10/19/2023 8:47 AM	15:00	6.20 pH	22.27 °C	8,371.7 µS/cm	0.12 mg/L	0.67 NTU	-78.7 mV	25.32 ft	400.00 ml/min
10/19/2023 8:52 AM	20:00	6.21 pH	22.34 °C	8,363.5 µS/cm	0.11 mg/L	0.92 NTU	-81.7 mV	25.34 ft	400.00 ml/min
10/19/2023 8:57 AM	25:00	6.23 pH	22.38 °C	8,434.6 µS/cm	0.11 mg/L	0.72 NTU	-84.5 mV	25.36 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-1R	Sample time 0900
Dup-02	Fake sample time 0800

Low-Flow Test Report:

Test Date / Time: 10/19/2023 9:51:31 AM
Project: Watson CCR APMW-2D
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-2D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 152.8 ft** **Total Depth: 162.8 ft** **Initial Depth to Water: 15.58 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 157.2 ft** **Estimated Total Volume Pumped: 10000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.25 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:

Weather Conditions:
Sunny 64

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/19/2023 9:51 AM	00:00	7.75 pH	22.52 °C	277.54 µS/cm	5.11 mg/L		-50.9 mV	15.58 ft	400.00 ml/min
10/19/2023 9:56 AM	05:00	7.55 pH	22.99 °C	202.64 µS/cm	0.33 mg/L	4.40 NTU	-118.5 mV	15.81 ft	400.00 ml/min
10/19/2023 10:01 AM	10:00	7.56 pH	23.14 °C	202.25 µS/cm	0.34 mg/L	3.52 NTU	-118.5 mV	15.83 ft	400.00 ml/min
10/19/2023 10:06 AM	15:00	7.56 pH	23.05 °C	201.88 µS/cm	0.23 mg/L	1.98 NTU	-119.7 mV	15.83 ft	400.00 ml/min
10/19/2023 10:11 AM	20:00	7.57 pH	23.05 °C	202.15 µS/cm	0.21 mg/L	1.24 NTU	-119.9 mV	15.83 ft	400.00 ml/min
10/19/2023 10:16 AM	25:00	7.57 pH	23.08 °C	201.27 µS/cm	0.19 mg/L	0.95 NTU	-119.8 mV	15.83 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-2D	Sample time 1018

Low-Flow Test Report:

Test Date / Time: 10/19/2023 10:57:55 AM
Project: Watson CCR APMW-2
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-2 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 32.9 ft** **Total Depth: 42.9 ft** **Initial Depth to Water: 22.88 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 37.9 ft** **Estimated Total Volume Pumped: 12000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.28 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:

Weather Conditions:
Sunny 75

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/19/2023 10:57 AM	00:00	5.85 pH	23.13 °C	7,599.7 µS/cm	0.29 mg/L		-2.7 mV	22.88 ft	400.00 ml/min
10/19/2023 11:02 AM	05:00	5.90 pH	23.03 °C	7,711.3 µS/cm	0.18 mg/L	4.41 NTU	-14.3 mV	23.16 ft	400.00 ml/min
10/19/2023 11:07 AM	10:00	5.91 pH	23.10 °C	7,747.2 µS/cm	0.16 mg/L	2.74 NTU	-15.3 mV	23.16 ft	400.00 ml/min
10/19/2023 11:12 AM	15:00	5.92 pH	23.05 °C	7,754.9 µS/cm	0.15 mg/L	2.10 NTU	-16.6 mV	23.16 ft	400.00 ml/min
10/19/2023 11:17 AM	20:00	5.93 pH	23.09 °C	7,776.3 µS/cm	0.15 mg/L	1.79 NTU	-17.2 mV	23.16 ft	400.00 ml/min
10/19/2023 11:22 AM	25:00	5.93 pH	23.17 °C	7,801.0 µS/cm	0.16 mg/L	1.25 NTU	-17.3 mV	23.16 ft	400.00 ml/min
10/19/2023 11:27 AM	30:00	5.93 pH	23.19 °C	7,803.8 µS/cm	0.16 mg/L	1.05 NTU	-17.1 mV	23.16 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-2	Sample time 1131

Low-Flow Test Report:

Test Date / Time: 10/19/2023 12:13:01 PM
Project: Watson CCR APMW-3
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-3 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 26.6 ft** **Total Depth: 36.6 ft** **Initial Depth to Water: 8.63 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 31.6 ft** **Estimated Total Volume Pumped: 12000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.15 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:

Weather Conditions:
Sunny 78

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/19/2023 12:13 PM	00:00	6.56 pH	27.22 °C	28,115 µS/cm	2.88 mg/L		-30.2 mV	8.63 ft	400.00 ml/min
10/19/2023 12:18 PM	05:00	6.68 pH	24.88 °C	29,402 µS/cm	0.25 mg/L	0.91 NTU	-52.0 mV	8.78 ft	400.00 ml/min
10/19/2023 12:23 PM	10:00	6.68 pH	24.77 °C	28,679 µS/cm	0.15 mg/L	2.38 NTU	-47.0 mV	8.78 ft	400.00 ml/min
10/19/2023 12:28 PM	15:00	6.70 pH	24.74 °C	28,339 µS/cm	0.14 mg/L	2.45 NTU	-48.4 mV	8.78 ft	400.00 ml/min
10/19/2023 12:33 PM	20:00	6.71 pH	24.67 °C	28,216 µS/cm	0.14 mg/L	1.85 NTU	-49.4 mV	8.78 ft	400.00 ml/min
10/19/2023 12:38 PM	25:00	6.72 pH	24.63 °C	28,130 µS/cm	0.14 mg/L	1.80 NTU	-49.6 mV	8.78 ft	400.00 ml/min
10/19/2023 12:43 PM	30:00	6.72 pH	24.54 °C	28,115 µS/cm	0.14 mg/L	1.81 NTU	-49.6 mV	8.78 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-3	Sample time 1247

Low-Flow Test Report:

Test Date / Time: 10/19/2023 1:29:13 PM
Project: Watson CCR APMW-3D
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-3D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 88.1 ft** **Total Depth: 93.1 ft** **Initial Depth to Water: 7.81 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 91.1 ft** **Estimated Total Volume Pumped: 10000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 1.75 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:

Weather Conditions:
Sunny 78

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/19/2023 1:29 PM	00:00	7.19 pH	26.61 °C	326.48 µS/cm	1.55 mg/L		-67.5 mV	7.81 ft	400.00 ml/min
10/19/2023 1:34 PM	05:00	7.08 pH	24.32 °C	321.77 µS/cm	0.22 mg/L	2.31 NTU	-80.4 mV	9.56 ft	400.00 ml/min
10/19/2023 1:39 PM	10:00	7.04 pH	24.27 °C	277.31 µS/cm	0.18 mg/L	0.59 NTU	-64.3 mV	9.62 ft	400.00 ml/min
10/19/2023 1:44 PM	15:00	7.03 pH	24.13 °C	274.28 µS/cm	0.17 mg/L	0.33 NTU	-63.1 mV	9.60 ft	400.00 ml/min
10/19/2023 1:49 PM	20:00	7.01 pH	24.19 °C	273.04 µS/cm	0.16 mg/L	0.42 NTU	-62.5 mV	9.56 ft	400.00 ml/min
10/19/2023 1:54 PM	25:00	7.00 pH	24.09 °C	265.39 µS/cm	0.14 mg/L	0.30 NTU	-60.7 mV	9.56 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-3D	Sample time 1358
FB-01	Sample time 1300
EB-01	Sample time 1305

Low-Flow Test Report:

Test Date / Time: 10/19/2023 4:05:28 PM
Project: Watson CCR APMW-4D
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-4D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 90.3 ft** **Total Depth: 100.3 ft** **Initial Depth to Water: 11.44 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 95.3 ft** **Estimated Total Volume Pumped: 12000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.12 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:

Weather Conditions:
Sunny 77

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/19/2023 4:05 PM	00:00	6.42 pH	28.43 °C	20,907 µS/cm	1.69 mg/L		10.0 mV	11.44 ft	400.00 ml/min
10/19/2023 4:10 PM	05:00	6.57 pH	24.18 °C	22,340 µS/cm	0.35 mg/L	0.50 NTU	-19.9 mV	11.56 ft	400.00 ml/min
10/19/2023 4:15 PM	10:00	6.60 pH	23.81 °C	22,396 µS/cm	0.26 mg/L	0.55 NTU	-23.1 mV	11.56 ft	400.00 ml/min
10/19/2023 4:20 PM	15:00	6.62 pH	23.68 °C	22,506 µS/cm	0.23 mg/L	0.52 NTU	-23.2 mV	11.56 ft	400.00 ml/min
10/19/2023 4:25 PM	20:00	6.63 pH	23.41 °C	22,585 µS/cm	0.20 mg/L	0.40 NTU	-22.3 mV	11.56 ft	400.00 ml/min
10/19/2023 4:30 PM	25:00	6.64 pH	23.39 °C	22,649 µS/cm	0.19 mg/L	0.33 NTU	-22.4 mV	11.56 ft	400.00 ml/min
10/19/2023 4:35 PM	30:00	6.65 pH	23.23 °C	22,703 µS/cm	0.18 mg/L	0.28 NTU	-22.7 mV	11.56 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-4D	Sample time 1639

Low-Flow Test Report:

Test Date / Time: 10/19/2023 5:12:29 PM
Project: Watson CCR APMW-4
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-4 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 27.1 ft** **Total Depth: 37.1 ft** **Initial Depth to Water: 12.9 ft**	**Pump Type: QED** **Tubing Type: PE** **Pump Intake From TOC: 32.1 ft** **Estimated Total Volume Pumped: 12000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: -0.02 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:

Weather Conditions:
P/C 76

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/19/2023 5:12 PM	00:00	6.37 pH	26.21 °C	7,822.8 µS/cm	3.87 mg/L		-26.3 mV	12.90 ft	400.00 ml/min
10/19/2023 5:17 PM	05:00	6.42 pH	22.86 °C	7,445.0 µS/cm	0.24 mg/L	0.38 NTU	-232.6 mV	12.91 ft	400.00 ml/min
10/19/2023 5:22 PM	10:00	6.22 pH	22.75 °C	7,341.9 µS/cm	0.15 mg/L	0.28 NTU	-262.4 mV	12.91 ft	400.00 ml/min
10/19/2023 5:27 PM	15:00	6.22 pH	22.65 °C	7,308.6 µS/cm	0.13 mg/L	0.45 NTU	-275.5 mV	12.90 ft	400.00 ml/min
10/19/2023 5:32 PM	20:00	6.22 pH	22.56 °C	7,308.8 µS/cm	0.12 mg/L	0.36 NTU	-282.6 mV	12.89 ft	400.00 ml/min
10/19/2023 5:37 PM	25:00	6.22 pH	22.53 °C	7,307.7 µS/cm	0.11 mg/L	0.32 NTU	-287.2 mV	12.89 ft	400.00 ml/min
10/19/2023 5:42 PM	30:00	6.22 pH	22.49 °C	7,303.2 µS/cm	0.11 mg/L	0.35 NTU	-290.6 mV	12.88 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-4	Sample time 1744

Low-Flow Test Report:

Test Date / Time: 10/20/2023 8:19:12 AM
Project: Watson CCR APMW-5D
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-5D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 106 ft** **Total Depth: 111 ft** **Initial Depth to Water: 8.32 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 108.5 ft** **Estimated Total Volume Pumped: 18000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 2.24 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:

Weather Conditions:
Sunny 63

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/20/2023 8:19 AM	00:00	6.84 pH	22.04 °C	216.54 µS/cm	4.13 mg/L		32.4 mV	8.32 ft	400.00 ml/min
10/20/2023 8:24 AM	05:00	6.68 pH	22.20 °C	172.86 µS/cm	0.32 mg/L	21.00 NTU	7.5 mV	9.87 ft	400.00 ml/min
10/20/2023 8:29 AM	10:00	6.71 pH	22.17 °C	170.28 µS/cm	0.25 mg/L	16.30 NTU	2.2 mV	10.19 ft	400.00 ml/min
10/20/2023 8:34 AM	15:00	6.71 pH	22.15 °C	167.29 µS/cm	0.22 mg/L	11.10 NTU	-0.6 mV	10.33 ft	400.00 ml/min
10/20/2023 8:39 AM	20:00	6.70 pH	22.11 °C	165.24 µS/cm	0.20 mg/L	9.12 NTU	-2.5 mV	10.37 ft	400.00 ml/min
10/20/2023 8:44 AM	25:00	6.71 pH	22.11 °C	163.98 µS/cm	0.18 mg/L	7.23 NTU	-2.3 mV	10.40 ft	400.00 ml/min
10/20/2023 8:49 AM	30:00	6.70 pH	22.11 °C	162.42 µS/cm	0.17 mg/L	6.61 NTU	-3.3 mV	10.46 ft	400.00 ml/min
10/20/2023 8:54 AM	35:00	6.70 pH	22.10 °C	162.26 µS/cm	0.16 mg/L	6.18 NTU	-3.6 mV	10.51 ft	400.00 ml/min
10/20/2023 8:59 AM	40:00	6.70 pH	22.08 °C	161.84 µS/cm	0.15 mg/L	6.32 NTU	-3.4 mV	10.53 ft	400.00 ml/min
10/20/2023 9:04 AM	45:00	6.70 pH	22.11 °C	161.76 µS/cm	0.14 mg/L	6.15 NTU	-3.4 mV	10.56 ft	400.00 ml/min

Samples

Sample ID:	Description:

APMW-5D	Sample time 0906

Low-Flow Test Report:

Test Date / Time: 10/20/2023 9:44:21 AM
Project: Watson CCR APMW-5
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-5 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 26.6 ft** **Total Depth: 36.6 ft** **Initial Depth to Water: 8.15 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 31.6 ft** **Estimated Total Volume Pumped: 12000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.06 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:

Weather Conditions:
Sunny 73

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/20/2023 9:44 AM	00:00	6.37 pH	24.54 °C	22,861 µS/cm	2.98 mg/L		62.6 mV	8.15 ft	400.00 ml/min
10/20/2023 9:49 AM	05:00	6.34 pH	22.67 °C	19,677 µS/cm	0.22 mg/L	9.21 NTU	4.3 mV	8.19 ft	400.00 ml/min
10/20/2023 9:54 AM	10:00	6.33 pH	22.34 °C	21,177 µS/cm	0.17 mg/L	2.34 NTU	-7.4 mV	8.21 ft	400.00 ml/min
10/20/2023 9:59 AM	15:00	6.35 pH	22.51 °C	20,936 µS/cm	0.19 mg/L	1.59 NTU	-10.3 mV	8.21 ft	400.00 ml/min
10/20/2023 10:04 AM	20:00	6.36 pH	22.47 °C	20,985 µS/cm	0.17 mg/L	1.45 NTU	-11.5 mV	8.21 ft	400.00 ml/min
10/20/2023 10:09 AM	25:00	6.36 pH	22.50 °C	21,080 µS/cm	0.17 mg/L	1.10 NTU	-11.7 mV	8.21 ft	400.00 ml/min
10/20/2023 10:14 AM	30:00	6.36 pH	22.50 °C	21,072 µS/cm	0.16 mg/L	1.06 NTU	-11.4 mV	8.21 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-5	Sample time 1017
Dup-03	Fake sample time 0917

Low-Flow Test Report:

Test Date / Time: 10/20/2023 11:13:27 AM
Project: Watson CCR APMW-6D
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-6D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 100.9 ft** **Total Depth: 105.9 ft** **Initial Depth to Water: 8.31 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 103.4 ft** **Estimated Total Volume Pumped: 12000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 1.5 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:

Weather Conditions:
Sunny 80

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/20/2023 11:13 AM	00:00	7.51 pH	30.41 °C	437.88 µS/cm	3.30 mg/L		-59.2 mV	8.31 ft	400.00 ml/min
10/20/2023 11:18 AM	05:00	7.04 pH	24.35 °C	316.94 µS/cm	0.25 mg/L	1.11 NTU	-68.5 mV	9.57 ft	400.00 ml/min
10/20/2023 11:23 AM	10:00	6.99 pH	24.28 °C	305.67 µS/cm	0.19 mg/L	0.98 NTU	-50.8 mV	9.66 ft	400.00 ml/min
10/20/2023 11:28 AM	15:00	6.97 pH	23.68 °C	301.33 µS/cm	0.17 mg/L	0.79 NTU	-46.7 mV	9.74 ft	400.00 ml/min
10/20/2023 11:33 AM	20:00	6.96 pH	23.98 °C	299.13 µS/cm	0.15 mg/L	0.72 NTU	-45.2 mV	9.76 ft	400.00 ml/min
10/20/2023 11:38 AM	25:00	6.95 pH	23.95 °C	295.63 µS/cm	0.14 mg/L	0.77 NTU	-43.0 mV	9.79 ft	400.00 ml/min
10/20/2023 11:43 AM	30:00	6.93 pH	23.88 °C	290.57 µS/cm	0.13 mg/L	0.78 NTU	-40.2 mV	9.81 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-6D	Sample time 1147
FB-02	Sample time 1140

Low-Flow Test Report:

Test Date / Time: 10/20/2023 12:19:00 PM
Project: Watson CCR APMW-6R
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-6R **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 41.8 ft** **Total Depth: 51.8 ft** **Initial Depth to Water: 7.72 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 46.8 ft** **Estimated Total Volume Pumped: 10000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 2.67 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:

Weather Conditions:
Sunny 81

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/20/2023 12:19 PM	00:00	6.21 pH	30.79 °C	8,631.2 µS/cm	3.59 mg/L		-13.0 mV	7.72 ft	400.00 ml/min
10/20/2023 12:24 PM	05:00	6.31 pH	24.52 °C	10,033 µS/cm	0.18 mg/L	1.30 NTU	-43.2 mV	9.71 ft	400.00 ml/min
10/20/2023 12:29 PM	10:00	6.22 pH	24.40 °C	10,865 µS/cm	0.14 mg/L	1.33 NTU	-33.0 mV	10.24 ft	400.00 ml/min
10/20/2023 12:34 PM	15:00	6.18 pH	24.29 °C	11,257 µS/cm	0.12 mg/L	0.92 NTU	-29.8 mV	10.36 ft	400.00 ml/min
10/20/2023 12:39 PM	20:00	6.16 pH	24.31 °C	11,414 µS/cm	0.11 mg/L	0.67 NTU	-28.6 mV	10.38 ft	400.00 ml/min
10/20/2023 12:44 PM	25:00	6.15 pH	24.25 °C	11,613 µS/cm	0.11 mg/L	0.72 NTU	-28.4 mV	10.39 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-6R	Sample time 1245
EB-02	Sample time 1210

Low-Flow Test Report:

Test Date / Time: 10/20/2023 1:38:52 PM
Project: Watson CCR APMW-7
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-7 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 27.4 ft** **Total Depth: 37.4 ft** **Initial Depth to Water: 12.09 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 32.4 ft** **Estimated Total Volume Pumped: 11073.333 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.47 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:

Weather Conditions:
Sunny 86

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/20/2023 1:38 PM	00:00	6.24 pH	26.56 °C	12,458 µS/cm	0.46 mg/L		-28.1 mV	12.09 ft	400.00 ml/min
10/20/2023 1:43 PM	05:00	6.26 pH	24.36 °C	13,209 µS/cm	0.14 mg/L	1.47 NTU	-49.5 mV	12.44 ft	400.00 ml/min
10/20/2023 1:46 PM	07:41	6.26 pH	24.18 °C	13,269 µS/cm	0.12 mg/L	1.14 NTU	-65.4 mV	12.54 ft	400.00 ml/min
10/20/2023 1:51 PM	12:41	6.27 pH	24.29 °C	13,212 µS/cm	0.11 mg/L	1.01 NTU	-95.2 mV	12.56 ft	400.00 ml/min
10/20/2023 1:56 PM	17:41	6.28 pH	23.95 °C	13,221 µS/cm	0.11 mg/L	0.93 NTU	-114.9 mV	12.56 ft	400.00 ml/min
10/20/2023 2:01 PM	22:41	6.28 pH	24.05 °C	13,224 µS/cm	0.11 mg/L	0.90 NTU	-126.1 mV	12.56 ft	400.00 ml/min
10/20/2023 2:06 PM	27:41	6.28 pH	24.08 °C	13,216 µS/cm	0.11 mg/L	0.79 NTU	-132.2 mV	12.56 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-7	Sample time 1408

Low-Flow Test Report:

Test Date / Time: 10/20/2023 2:35:44 PM
Project: Watson CCR APMW-8
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-8 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 32.8 ft** **Total Depth: 42.8 ft** **Initial Depth to Water: 21.73 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 37.8 ft** **Estimated Total Volume Pumped: 10000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.11 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:

Weather Conditions:
Sunny 86

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/20/2023 2:35 PM	00:00	7.64 pH	30.45 °C	11,417 µS/cm	7.49 mg/L		10.9 mV	21.73 ft	400.00 ml/min
10/20/2023 2:40 PM	05:00	6.43 pH	24.07 °C	11,013 µS/cm	0.86 mg/L	5.05 NTU	-1.2 mV	21.86 ft	400.00 ml/min
10/20/2023 2:45 PM	10:00	6.55 pH	23.41 °C	11,659 µS/cm	0.31 mg/L	3.91 NTU	-4.1 mV	21.86 ft	400.00 ml/min
10/20/2023 2:50 PM	15:00	6.59 pH	23.28 °C	11,720 µS/cm	0.22 mg/L	2.34 NTU	-5.1 mV	21.85 ft	400.00 ml/min
10/20/2023 2:55 PM	20:00	6.61 pH	23.32 °C	11,767 µS/cm	0.21 mg/L	1.44 NTU	-5.6 mV	21.84 ft	400.00 ml/min
10/20/2023 3:00 PM	25:00	6.61 pH	23.23 °C	11,737 µS/cm	0.22 mg/L	0.95 NTU	-5.0 mV	21.84 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-8	Sample time 1503

Low-Flow Test Report:

Test Date / Time: 10/20/2023 4:41:05 PM
Project: Watson CCR APMW-8D
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-8D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 87.5 ft** **Total Depth: 92.5 ft** **Initial Depth to Water: 20.69 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 90 ft** **Estimated Total Volume Pumped: 16000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 1.41 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:

Weather Conditions:
Sunny 84

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/20/2023 4:41 PM	00:00	6.34 pH	26.82 °C	223.98 µS/cm	1.20 mg/L		9.7 mV	20.69 ft	400.00 ml/min
10/20/2023 4:46 PM	05:00	6.57 pH	23.90 °C	219.93 µS/cm	0.23 mg/L	0.93 NTU	-34.4 mV	22.02 ft	400.00 ml/min
10/20/2023 4:51 PM	10:00	6.60 pH	23.69 °C	197.61 µS/cm	0.17 mg/L	0.51 NTU	-35.9 mV	22.11 ft	400.00 ml/min
10/20/2023 4:56 PM	15:00	6.61 pH	23.56 °C	185.96 µS/cm	0.15 mg/L	0.61 NTU	-35.0 mV	22.11 ft	400.00 ml/min
10/20/2023 5:01 PM	20:00	6.59 pH	23.44 °C	178.54 µS/cm	0.14 mg/L	0.54 NTU	-32.9 mV	22.10 ft	400.00 ml/min
10/20/2023 5:06 PM	25:00	6.58 pH	23.54 °C	173.19 µS/cm	0.13 mg/L	0.60 NTU	-30.6 mV	22.10 ft	400.00 ml/min
10/20/2023 5:11 PM	30:00	6.56 pH	23.37 °C	168.75 µS/cm	0.12 mg/L	0.55 NTU	-26.9 mV	22.10 ft	400.00 ml/min
10/20/2023 5:16 PM	35:00	6.55 pH	23.18 °C	168.91 µS/cm	0.12 mg/L	0.45 NTU	-24.6 mV	22.10 ft	400.00 ml/min
10/20/2023 5:21 PM	40:00	6.54 pH	23.35 °C	166.63 µS/cm	0.11 mg/L	0.49 NTU	-23.1 mV	22.10 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-8D	Sample time 1723

Low-Flow Test Report:

Test Date / Time: 10/20/2023 5:56:17 PM
Project: Watson CCR APMW-9
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-9 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 32.5 ft** **Total Depth: 42.5 ft** **Initial Depth to Water: 22.43 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 37.5 ft** **Estimated Total Volume Pumped: 10000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.05 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:

Weather Conditions:
Sunny 81

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/20/2023 5:56 PM	00:00	6.03 pH	26.80 °C	9,205.2 µS/cm	4.63 mg/L		47.3 mV	22.43 ft	400.00 ml/min
10/20/2023 6:01 PM	05:00	6.22 pH	23.22 °C	9,216.0 µS/cm	0.22 mg/L	2.87 NTU	-0.8 mV	22.46 ft	400.00 ml/min
10/20/2023 6:06 PM	10:00	6.23 pH	22.96 °C	9,153.8 µS/cm	0.16 mg/L	1.45 NTU	-8.4 mV	22.48 ft	400.00 ml/min
10/20/2023 6:11 PM	15:00	6.23 pH	22.89 °C	9,121.7 µS/cm	0.14 mg/L	1.14 NTU	-11.0 mV	22.48 ft	400.00 ml/min
10/20/2023 6:16 PM	20:00	6.23 pH	22.82 °C	9,115.2 µS/cm	0.14 mg/L	0.96 NTU	-12.1 mV	22.48 ft	400.00 ml/min
10/20/2023 6:21 PM	25:00	6.23 pH	22.77 °C	9,121.1 µS/cm	0.14 mg/L	0.88 NTU	-12.8 mV	22.48 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-9	Sample time 1823

Low-Flow Test Report:

Test Date / Time: 10/21/2023 7:47:24 AM
Project: Watson CCR APMW-10
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-10 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 22.9 ft** **Total Depth: 32.9 ft** **Initial Depth to Water: 20.06 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 27.9 ft** **Estimated Total Volume Pumped: 10000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.27 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:

Weather Conditions:
Sunny 58

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/21/2023 7:47 AM	00:00	6.70 pH	22.45 °C	2,708.0 µS/cm	0.52 mg/L		-29.1 mV	20.06 ft	400.00 ml/min
10/21/2023 7:52 AM	05:00	6.91 pH	22.88 °C	2,813.5 µS/cm	0.17 mg/L	0.73 NTU	-61.2 mV	20.29 ft	400.00 ml/min
10/21/2023 7:57 AM	10:00	6.99 pH	22.92 °C	2,874.7 µS/cm	0.13 mg/L	0.59 NTU	-71.8 mV	20.33 ft	400.00 ml/min
10/21/2023 8:02 AM	15:00	7.02 pH	22.97 °C	2,881.5 µS/cm	0.13 mg/L	0.70 NTU	-76.8 mV	20.33 ft	400.00 ml/min
10/21/2023 8:07 AM	20:00	7.04 pH	22.99 °C	2,883.5 µS/cm	0.12 mg/L	0.61 NTU	-80.0 mV	20.33 ft	400.00 ml/min
10/21/2023 8:12 AM	25:00	7.06 pH	23.01 °C	2,882.0 µS/cm	0.12 mg/L	0.53 NTU	-82.3 mV	20.33 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-10	Sample time 0815
Dup-04	Fake sample time 0715

Low-Flow Test Report:

Test Date / Time: 10/21/2023 8:44:27 AM
Project: Watson CCR APMW-10D
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-10D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 201.4 ft** **Total Depth: 206.4 ft** **Initial Depth to Water: 14.79 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 203.9 ft** **Estimated Total Volume Pumped: 10000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.48 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:

Weather Conditions:
Sunny 63

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/21/2023 8:44 AM	00:00	8.77 pH	22.71 °C	241.98 µS/cm	2.44 mg/L		-53.8 mV	14.79 ft	400.00 ml/min
10/21/2023 8:49 AM	05:00	8.81 pH	22.97 °C	236.32 µS/cm	0.40 mg/L	1.97 NTU	-68.3 mV	15.26 ft	400.00 ml/min
10/21/2023 8:54 AM	10:00	8.85 pH	22.99 °C	234.06 µS/cm	0.28 mg/L	1.87 NTU	-71.0 mV	15.27 ft	400.00 ml/min
10/21/2023 8:59 AM	15:00	8.88 pH	23.05 °C	231.52 µS/cm	0.24 mg/L	1.91 NTU	-70.0 mV	15.27 ft	400.00 ml/min
10/21/2023 9:04 AM	20:00	8.89 pH	23.10 °C	230.38 µS/cm	0.21 mg/L	2.05 NTU	-69.6 mV	15.27 ft	400.00 ml/min
10/21/2023 9:09 AM	25:00	8.89 pH	23.15 °C	229.93 µS/cm	0.19 mg/L	2.03 NTU	-69.1 mV	15.27 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-10D	Sample time 0911

Low-Flow Test Report:

Test Date / Time: 10/21/2023 10:03:23 AM
Project: Watson CCR APMW-11
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-11 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 41.6 ft** **Total Depth: 51.6 ft** **Initial Depth to Water: 19.94 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 46.6 ft** **Estimated Total Volume Pumped: 8000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.05 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:

Weather Conditions:
Sunny 72

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/21/2023 10:03 AM	00:00	6.92 pH	24.33 °C	113.83 µS/cm	2.85 mg/L		-7.5 mV	19.94 ft	400.00 ml/min
10/21/2023 10:08 AM	05:00	6.31 pH	23.01 °C	112.76 µS/cm	0.20 mg/L	0.35 NTU	6.1 mV	19.98 ft	400.00 ml/min
10/21/2023 10:13 AM	10:00	6.28 pH	22.96 °C	113.23 µS/cm	0.15 mg/L	0.45 NTU	8.1 mV	19.98 ft	400.00 ml/min
10/21/2023 10:18 AM	15:00	6.27 pH	23.00 °C	111.91 µS/cm	0.13 mg/L	0.49 NTU	7.5 mV	19.99 ft	400.00 ml/min
10/21/2023 10:23 AM	20:00	6.26 pH	22.98 °C	111.28 µS/cm	0.12 mg/L	0.49 NTU	9.1 mV	19.99 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-11	Sample time 1025
FB-03	Sample time 0947
EB-03	Sample time 0952

Low-Flow Test Report:

Test Date / Time: 10/21/2023 11:03:59 AM
Project: Watson CCR APMW-12
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-12 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 44.1 ft** **Total Depth: 54.1 ft** **Initial Depth to Water: 17.58 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 49.1 ft** **Estimated Total Volume Pumped: 8000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.06 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:

Weather Conditions:
Sunny 78

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
10/21/2023 11:03 AM	00:00	6.41 pH	26.15 °C	155.36 µS/cm	4.90 mg/L		26.5 mV	17.58 ft	400.00 ml/min
10/21/2023 11:08 AM	05:00	6.19 pH	23.17 °C	164.52 µS/cm	0.20 mg/L	2.50 NTU	17.6 mV	17.63 ft	400.00 ml/min
10/21/2023 11:13 AM	10:00	6.20 pH	23.07 °C	164.69 µS/cm	0.16 mg/L	0.65 NTU	15.5 mV	17.64 ft	400.00 ml/min
10/21/2023 11:18 AM	15:00	6.21 pH	23.01 °C	164.41 µS/cm	0.14 mg/L	0.57 NTU	14.4 mV	17.64 ft	400.00 ml/min
10/21/2023 11:23 AM	20:00	6.22 pH	23.05 °C	164.63 µS/cm	0.12 mg/L	0.50 NTU	13.3 mV	17.64 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-12	Sample time 1126

2nd
Semi-Annual
Monitoring Event

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/3/2024 2:39:04 PM

JOB DESCRIPTION

Plant Watson Ash Pond

JOB NUMBER

180-171486-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

Job Notes

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

PA Lab ID: 02-00416

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

Authorization

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Authorized for release by
Shali Brown, Project Manager II
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Table of Contents

Job ID: 180-171486-1 — Eurofins Pittsburgh

Job Narrative
180-171486-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt
The samples were received on 3/27/2024 9:55 AM and 3/30/2024 9:35 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 9 coolers at receipt time were 1.8°C, 1.8°C, 1.8°C, 1.9°C, 2.0°C, 2.6°C, 2.9°C, 3.4°C and 3.9°C.

HPLC/IC
Method 300_ORGFM_28D: The following samples were diluted due to the nature of the sample matrix: APMW-2 (180-171486-1), APMW-5 (180-171486-3), DUP-01 (180-171486-7), APMW-1R (180-171486-11) and APMW-3 (180-171486-12). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D: The following sample was diluted due to the nature of the sample matrix: APMW-7 (180-171486-8). DUP-02 (180-171486-9), APMW-4 (180-171486-14), APMW-6R (180-171486-15) and APMW-4D (180-171486-16). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D: The following sample was diluted to bring the concentration of target analytes within the calibration range: APMW-7 (180-171486-8), DUP-02 (180-171486-9), APMW-4 (180-171486-14), APMW-6R (180-171486-15) and APMW-4D (180-171486-16). Elevated reporting limits (RLs) are provided.

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

Metals
Method 6020B - Total Recoverable: The linear range check (LRC) standard recovery associated with preparation batch 180-464094 and 180-464361 and analytical batch 180-465179 is outside the acceptance criteria for the following analytes: Boron. The concentration of these analytes are below those found in the calibration standard. The sample results have been reported.

Method 6020B - Total Recoverable: The following samples were diluted to bring the concentration of target analytes within the calibration range: DUP-01 (180-171486-7), APMW-7 (180-171486-8), DUP-02 (180-171486-9), APMW-8D (180-171486-10), APMW-1R (180-171486-11), APMW-3 (180-171486-12), APMW-3D (180-171486-13), APMW-4 (180-171486-14), APMW-6R (180-171486-15), APMW-4D (180-171486-16), APMW-16 (180-171665-10), APMW-15 (180-171665-11), APMW-14 (180-171665-12), APMW-13 (180-171665-13), APMW-11 (180-171665-14) and APMW-12 (180-171665-15). Elevated reporting limits (RLs) are provided.

Method 6020B - Total Recoverable: The following samples were diluted to bring the concentration of target analytes within the calibration range: APMW-2 (180-171486-1), APMW-2D (180-171486-2), APMW-5 (180-171486-3), APMW-1R (180-171486-11), APMW-3 (180-171486-12), APMW-4 (180-171486-14), APMW-6R (180-171486-15), APMW-4D (180-171486-16) and DUP-04 (180-171665-8). Elevated reporting limits (RLs) are provided.

Method 6020B - Total Recoverable: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 180-465752 and analytical batch 180-465971 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 6020B - Total Recoverable: The continuing calibration verification (CCV) associated with batch 180-464306 recovered above the upper control limit for Beryllium. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: APMW-3 (180-171486-12), APMW-4

(180-171486-14), APMW-6R (180-171486-15) and APMW-4D (180-171486-16).

Method 6020B - Total Recoverable: The following samples were diluted to bring the concentration of target analytes within the calibration range: APMW-2D (180-171486-2) and APMW-5 (180-171486-3). Elevated reporting limits (RLs) are provided.

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

General Chemistry
Method 2540C_Calcd: The sample did not reach a stable weight following 3 cycles of heating, cooling, and desiccation. The cycle 3 weight was used to calculate the Total Dissolved Solids (TDS) for the sample result. APMW-7 (180-171486-8), DUP-02 (180-171486-9), APMW-4 (180-171486-14), APMW-4D (180-171486-16) and (180-171482-F-3)

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

Field Service / Mobile Lab
Field pH entered at client request.

Definitions/Glossary

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

Job ID: 180-171486-1

Qualifiers

HPLC/IC

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

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
^5-	Linear Range Check (LRC) is outside acceptance limits, low biased.
^5+	Linear Range Check (LRC) is outside acceptance limits, high biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Accreditation/Certification Summary

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

Job ID: 180-171486-1

Laboratory: Eurofins Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	19-033-0	06-27-24
California	State	2891	04-30-24 *
Connecticut	State	PH-0688	09-30-24
Florida	NELAP	E871008	06-30-24
Georgia	State	PA 02-00416	04-30-25
Illinois	NELAP	004375	06-30-24
Kansas	NELAP	E-10350	01-31-25
Kentucky (UST)	State	162013	04-30-23 *
Kentucky (WW)	State	KY98043	12-31-24
Louisiana	NELAP	04041	06-30-22 *
Louisiana (All)	NELAP	04041	06-30-24
Maine	State	PA00164	03-06-26
Minnesota	NELAP	042-999-482	12-31-24
New Hampshire	NELAP	2030	04-04-24 *
New Jersey	NELAP	PA005	06-30-24
New York	NELAP	11182	04-01-25
North Carolina (WW/SW)	State	434	12-31-24
North Dakota	State	R-227	04-30-24 *
Oregon	NELAP	PA-2151	02-06-25
Pennsylvania	NELAP	02-00416	04-30-25
Rhode Island	State	LAO00362	01-01-25
South Carolina	State	89014	04-30-25
Texas	NELAP	T104704528	03-31-25
US Fish & Wildlife	US Federal Programs	058448	03-31-24 *
USDA	US Federal Programs	P330-16-00211	04-11-26
Utah	NELAP	PA001462019-8	05-31-24
Virginia	NELAP	10043	07-14-24
West Virginia DEP	State	142	01-31-25
Wisconsin	State	998027800	08-31-24

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

Sample Summary

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

Job ID: 180-171486-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-171486-1	APMW-2	Water	03/25/24 13:48	03/27/24 09:55
180-171486-2	APMW-2D	Water	03/25/24 15:52	03/27/24 09:55
180-171486-3	APMW-5	Water	03/26/24 09:40	03/27/24 09:55
180-171486-4	APMW-5D	Water	03/26/24 12:04	03/27/24 09:55
180-171486-5	FB-01	Water	03/26/24 10:30	03/27/24 09:55
180-171486-6	EB-01	Water	03/26/24 10:38	03/27/24 09:55
180-171486-7	DUP-01	Water	03/25/24 12:48	03/27/24 09:55
180-171486-8	APMW-7	Water	03/26/24 14:45	03/27/24 09:55
180-171486-9	DUP-02	Water	03/26/24 13:45	03/27/24 09:55
180-171486-10	APMW-8D	Water	03/26/24 16:30	03/27/24 09:55
180-171486-11	APMW-1R	Water	03/25/24 13:35	03/27/24 09:55
180-171486-12	APMW-3	Water	03/25/24 17:05	03/27/24 09:55
180-171486-13	APMW-3D	Water	03/26/24 10:29	03/27/24 09:55
180-171486-14	APMW-4	Water	03/26/24 14:12	03/27/24 09:55
180-171486-15	APMW-6R	Water	03/26/24 16:00	03/27/24 09:55
180-171486-16	APMW-4D	Water	03/26/24 12:09	03/27/24 09:55
180-171665-1	APMW-6D	Water	03/28/24 11:06	03/30/24 09:35
180-171665-2	APMW-8	Water	03/28/24 12:34	03/30/24 09:35
180-171665-3	DUP-03	Water	03/28/24 11:34	03/30/24 09:35
180-171665-4	APMW-9	Water	03/28/24 18:53	03/30/24 09:35
180-171665-5	FB-02	Water	03/28/24 18:16	03/30/24 09:35
180-171665-6	EB-02	Water	03/28/24 18:28	03/30/24 09:35
180-171665-7	APMW-10	Water	03/29/24 09:20	03/30/24 09:35
180-171665-8	DUP-04	Water	03/29/24 08:20	03/30/24 09:35
180-171665-9	APMW-10D	Water	03/29/24 11:02	03/30/24 09:35
180-171665-10	APMW-16	Water	03/28/24 11:33	03/30/24 09:35
180-171665-11	APMW-15	Water	03/28/24 13:52	03/30/24 09:35
180-171665-12	APMW-14	Water	03/28/24 16:06	03/30/24 09:35
180-171665-13	APMW-13	Water	03/29/24 10:15	03/30/24 09:35
180-171665-14	APMW-11	Water	03/29/24 12:55	03/30/24 09:35
180-171665-15	APMW-12	Water	03/29/24 14:18	03/30/24 09:35

Method Summary

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

Job ID: 180-171486-1

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	EPA	EET PIT
EPA 6020B	Metals (ICP/MS)	SW846	EET PIT
EPA 7470A	Mercury (CVAA)	SW846	EET PIT
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PIT
SM2320 B	Alkalinity, Total	SM18	EET PIT
Field Sampling	Field Sampling	EPA	EET PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET PIT
7470A	Preparation, Mercury	SW846	EET PIT

Protocol References:

EPA = US Environmental Protection Agency

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

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

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

Laboratory References:

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

Lab Chronicle

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

Job ID: 180-171486-1

Client Sample ID: APMW-2

Date Collected: 03/25/24 13:48
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2.5	1 mL	1 mL	464012	03/30/24 15:43	AM	EET PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	300.0		25	1 mL	1 mL	464012	03/30/24 15:58	AM	EET PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	464093	04/02/24 07:10	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464464	04/03/24 19:58	MRG	EET PIT
	Instrument ID: DORY									
Total Recoverable	Prep	3005A			25 mL	25 mL	464093	04/02/24 07:10	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		100			465756	04/17/24 20:19	LWM	EET PIT
	Instrument ID: DORY									
Total Recoverable	Prep	3005A			25 mL	25 mL	464093	04/02/24 07:10	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		20			465971	04/19/24 14:40	S1Z	EET PIT
	Instrument ID: DORY									
Total/NA	Prep	7470A			25 mL	25 mL	463827	03/28/24 08:01	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464202	04/02/24 10:39	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	25 mL	100 mL	463912	03/28/24 16:47	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			464378	04/03/24 14:55	ZDA	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			464883	03/25/24 13:48	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-2D

Date Collected: 03/25/24 15:52
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464012	03/30/24 14:58	AM	EET PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	464093	04/02/24 07:10	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464464	04/03/24 20:01	MRG	EET PIT
	Instrument ID: DORY									
Total Recoverable	Prep	3005A			25 mL	25 mL	464093	04/02/24 07:10	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		100			465756	04/17/24 20:22	LWM	EET PIT
	Instrument ID: DORY									
Total Recoverable	Prep	3005A			25 mL	25 mL	467011	05/01/24 06:05	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			467396	05/03/24 08:44	S1Z	EET PIT
	Instrument ID: DORY									
Total/NA	Prep	7470A			25 mL	25 mL	463827	03/28/24 08:01	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464202	04/02/24 10:42	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	463912	03/28/24 16:47	LWM	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-171486-1

Client Sample ID: APMW-2D

Date Collected: 03/25/24 15:52
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM2320 B		1			464378	04/03/24 15:00	ZDA	EET PIT
Total/NA	Analysis	Field Sampling		1			464883	03/25/24 15:52	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-5

Date Collected: 03/26/24 09:40
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10	1 mL	1 mL	464012	03/30/24 16:13	AM	EET PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	300.0		100	1 mL	1 mL	464012	03/30/24 16:27	AM	EET PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	467011	05/01/24 06:05	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		10			467144	05/01/24 16:32	S1Z	EET PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			25 mL	25 mL	464093	04/02/24 07:10	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464464	04/03/24 20:04	MRG	EET PIT
	Instrument ID: DORY									
Total Recoverable	Prep	3005A			25 mL	25 mL	464093	04/02/24 07:10	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		20			465756	04/17/24 20:25	LWM	EET PIT
	Instrument ID: DORY									
Total/NA	Prep	7470A			25 mL	25 mL	463827	03/28/24 08:01	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464202	04/02/24 10:43	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	464006	03/29/24 19:38	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			464378	04/03/24 15:05	ZDA	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			464883	03/26/24 09:40	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-5D

Date Collected: 03/26/24 12:04
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464012	03/30/24 16:42	AM	EET PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	464093	04/02/24 07:10	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464464	04/03/24 20:07	MRG	EET PIT
	Instrument ID: DORY									
Total Recoverable	Prep	3005A			25 mL	25 mL	464093	04/02/24 07:10	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		100			465756	04/17/24 20:28	LWM	EET PIT
	Instrument ID: DORY									

Lab Chronicle

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

Job ID: 180-171486-1

Client Sample ID: APMW-5D

Lab Sample ID: 180-171486-4

Date Collected: 03/26/24 12:04

Matrix: Water

Date Received: 03/27/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	25 mL	464093	04/02/24 07:10	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			465971	04/19/24 14:53	S1Z	EET PIT
	Instrument ID: DORY									
Total/NA	Prep	7470A			25 mL	25 mL	463827	03/28/24 08:01	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464202	04/02/24 10:47	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	464006	03/29/24 19:38	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			464378	04/03/24 15:10	ZDA	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			464883	03/26/24 12:04	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: FB-01

Lab Sample ID: 180-171486-5

Date Collected: 03/26/24 10:30

Matrix: Water

Date Received: 03/27/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464012	03/30/24 20:24	AM	EET PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	464093	04/02/24 07:10	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464464	04/03/24 20:09	MRG	EET PIT
	Instrument ID: DORY									
Total/NA	Prep	7470A			25 mL	25 mL	463827	03/28/24 08:01	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464202	04/02/24 10:48	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	464006	03/29/24 19:38	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			464378	04/03/24 15:14	ZDA	EET PIT
	Instrument ID: PCTITRATOR									

Client Sample ID: EB-01

Lab Sample ID: 180-171486-6

Date Collected: 03/26/24 10:38

Matrix: Water

Date Received: 03/27/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464085	04/01/24 21:05	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464094	04/02/24 07:10	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464306	04/02/24 19:39	S1Z	EET PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			25 mL	25 mL	464094	04/02/24 07:10	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			465179	04/11/24 17:23	S1Z	EET PIT
	Instrument ID: NEMO									

Lab Chronicle

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

Job ID: 180-171486-1

Client Sample ID: EB-01

Lab Sample ID: 180-171486-6

Date Collected: 03/26/24 10:38

Matrix: Water

Date Received: 03/27/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			25 mL	25 mL	463827	03/28/24 08:01	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464202	04/02/24 10:49	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	464006	03/29/24 19:38	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			464378	04/03/24 15:18	ZDA	EET PIT
	Instrument ID: PCTITRATOR									

Client Sample ID: DUP-01

Lab Sample ID: 180-171486-7

Date Collected: 03/25/24 12:48

Matrix: Water

Date Received: 03/27/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2.5	1 mL	1 mL	464012	03/30/24 17:26	AM	EET PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	300.0		25	1 mL	1 mL	464012	03/30/24 17:41	AM	EET PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	464094	04/02/24 07:10	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464306	04/02/24 19:59	S1Z	EET PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			25 mL	25 mL	465752	04/18/24 10:45	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		10			465971	04/19/24 15:02	S1Z	EET PIT
	Instrument ID: DORY									
Total Recoverable	Prep	3005A			25 mL	25 mL	464094	04/02/24 07:10	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			465179	04/11/24 17:31	S1Z	EET PIT
	Instrument ID: NEMO									
Total Recoverable	Prep	3005A			25 mL	25 mL	464094	04/02/24 07:10	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		5			465179	04/11/24 18:39	S1Z	EET PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	463827	03/28/24 08:01	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464202	04/02/24 10:50	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	25 mL	100 mL	463912	03/28/24 16:47	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			464378	04/03/24 15:22	ZDA	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			464883	03/25/24 12:48	FDS	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-171486-1

Client Sample ID: APMW-7

Date Collected: 03/26/24 14:45
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	464085	04/01/24 17:05	M1D	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	300.0		50	1 mL	1 mL	464085	04/01/24 17:23	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464094	04/02/24 07:10	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464306	04/02/24 20:02	S1Z	EET PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			25 mL	25 mL	465752	04/18/24 10:45	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		5			465971	04/19/24 15:05	S1Z	EET PIT
	Instrument ID: DORY									
Total Recoverable	Prep	3005A			25 mL	25 mL	464094	04/02/24 07:10	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			465179	04/11/24 17:40	S1Z	EET PIT
	Instrument ID: NEMO									
Total Recoverable	Prep	3005A			25 mL	25 mL	464094	04/02/24 07:10	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		5			465179	04/11/24 18:41	S1Z	EET PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	463827	03/28/24 08:01	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464202	04/02/24 10:51	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	10 mL	100 mL	464006	03/29/24 19:38	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			464515	04/04/24 10:58	ELS	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			464883	03/26/24 14:45	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-02

Date Collected: 03/26/24 13:45
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	464085	04/01/24 17:42	M1D	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	300.0		50	1 mL	1 mL	464085	04/01/24 18:00	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464094	04/02/24 07:10	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464306	04/02/24 20:04	S1Z	EET PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			25 mL	25 mL	465752	04/18/24 10:45	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		5			465971	04/19/24 15:07	S1Z	EET PIT
	Instrument ID: DORY									
Total Recoverable	Prep	3005A			25 mL	25 mL	464094	04/02/24 07:10	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			465179	04/11/24 17:45	S1Z	EET PIT
	Instrument ID: NEMO									

Lab Chronicle

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

Job ID: 180-171486-1

Client Sample ID: DUP-02

Lab Sample ID: 180-171486-9

Date Collected: 03/26/24 13:45

Matrix: Water

Date Received: 03/27/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	25 mL	464094	04/02/24 07:10	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		5			465179	04/11/24 18:44	S1Z	EET PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	463827	03/28/24 08:01	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464202	04/02/24 10:52	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	10 mL	100 mL	464006	03/29/24 19:38	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			464515	04/04/24 11:13	ELS	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			464883	03/26/24 13:45	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-8D

Lab Sample ID: 180-171486-10

Date Collected: 03/26/24 16:30

Matrix: Water

Date Received: 03/27/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464085	04/01/24 20:10	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464094	04/02/24 07:10	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464306	04/02/24 20:07	S1Z	EET PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			25 mL	25 mL	464094	04/02/24 07:10	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			465179	04/11/24 17:51	S1Z	EET PIT
	Instrument ID: NEMO									
Total Recoverable	Prep	3005A			25 mL	25 mL	464094	04/02/24 07:10	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		5			465179	04/11/24 18:47	S1Z	EET PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	463827	03/28/24 08:01	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464202	04/02/24 10:53	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	464006	03/29/24 19:38	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			464515	04/04/24 11:21	ELS	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			464883	03/26/24 16:30	FDS	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-171486-1

Client Sample ID: APMW-1R

Date Collected: 03/25/24 13:35
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	464012	03/30/24 17:56	AM	EET PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	300.0		50	1 mL	1 mL	464012	03/30/24 18:11	AM	EET PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	464094	04/02/24 07:10	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464306	04/02/24 20:10	S1Z	EET PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			25 mL	25 mL	465752	04/18/24 10:45	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		20			465971	04/19/24 15:13	S1Z	EET PIT
	Instrument ID: DORY									
Total Recoverable	Prep	3005A			25 mL	25 mL	464094	04/02/24 07:10	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			465179	04/11/24 17:56	S1Z	EET PIT
	Instrument ID: NEMO									
Total Recoverable	Prep	3005A			25 mL	25 mL	464094	04/02/24 07:10	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		5			465179	04/11/24 18:49	S1Z	EET PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	463827	03/28/24 08:01	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464202	04/02/24 10:54	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	20 mL	100 mL	463912	03/28/24 16:47	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			464515	04/04/24 11:26	ELS	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			464883	03/25/24 13:35	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-3

Date Collected: 03/25/24 17:05
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10	1 mL	1 mL	464012	03/30/24 18:26	AM	EET PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	300.0		100	1 mL	1 mL	464012	03/30/24 18:40	AM	EET PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	464094	04/02/24 07:10	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464306	04/02/24 20:13	S1Z	EET PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			25 mL	25 mL	465752	04/18/24 10:45	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		10			465971	04/19/24 15:16	S1Z	EET PIT
	Instrument ID: DORY									
Total Recoverable	Prep	3005A			25 mL	25 mL	464094	04/02/24 07:10	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		10			465179	04/11/24 18:52	S1Z	EET PIT
	Instrument ID: NEMO									

Lab Chronicle

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

Job ID: 180-171486-1

Client Sample ID: APMW-3

Date Collected: 03/25/24 17:05
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			25 mL	25 mL	463827	03/28/24 08:01	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464202	04/02/24 10:55	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	463912	03/28/24 16:47	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			464515	04/04/24 11:32	ELS	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			464883	03/25/24 17:05	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-3D

Date Collected: 03/26/24 10:29
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464085	04/01/24 18:56	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464094	04/02/24 07:10	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464306	04/02/24 20:16	S1Z	EET PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			25 mL	25 mL	465752	04/18/24 10:45	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			465971	04/19/24 15:19	S1Z	EET PIT
	Instrument ID: DORY									
Total Recoverable	Prep	3005A			25 mL	25 mL	464094	04/02/24 07:10	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			465179	04/11/24 18:12	S1Z	EET PIT
	Instrument ID: NEMO									
Total Recoverable	Prep	3005A			25 mL	25 mL	464094	04/02/24 07:10	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		5			465179	04/11/24 19:00	S1Z	EET PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	463827	03/28/24 08:01	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464202	04/02/24 10:56	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	464006	03/29/24 19:38	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			464515	04/04/24 11:37	ELS	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			464883	03/26/24 10:29	FDS	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-171486-1

Client Sample ID: APMW-4

Date Collected: 03/26/24 14:12
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	464085	04/01/24 18:19	M1D	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	300.0		50	1 mL	1 mL	464085	04/01/24 18:37	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464094	04/02/24 07:10	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464306	04/02/24 20:18	S1Z	EET PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			25 mL	25 mL	465752	04/18/24 10:45	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		5			465971	04/19/24 15:52	S1Z	EET PIT
	Instrument ID: DORY									
Total Recoverable	Prep	3005A			25 mL	25 mL	464094	04/02/24 07:10	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		5			465179	04/11/24 19:03	S1Z	EET PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	463827	03/28/24 08:01	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464202	04/02/24 11:01	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	25 mL	100 mL	464006	03/29/24 19:38	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			464515	04/04/24 11:50	ELS	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			464883	03/26/24 14:12	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-6R

Date Collected: 03/26/24 16:00
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	464085	04/01/24 16:28	M1D	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	300.0		50	1 mL	1 mL	464085	04/01/24 16:46	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464094	04/02/24 07:10	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464306	04/02/24 20:21	S1Z	EET PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			25 mL	25 mL	465752	04/18/24 10:45	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		20			465971	04/19/24 15:55	S1Z	EET PIT
	Instrument ID: DORY									
Total Recoverable	Prep	3005A			25 mL	25 mL	464094	04/02/24 07:10	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		5			465179	04/11/24 19:05	S1Z	EET PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	463827	03/28/24 08:01	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464202	04/02/24 11:02	RJR	EET PIT
	Instrument ID: HGY									

Lab Chronicle

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

Job ID: 180-171486-1

Client Sample ID: APMW-6R

Date Collected: 03/26/24 16:00
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	10 mL	100 mL	464006	03/29/24 19:38	LWM	EET PIT
Total/NA	Analysis	SM2320 B		1			464515	04/04/24 12:00	ELS	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			464883	03/26/24 16:00	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-4D

Date Collected: 03/26/24 12:09
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10	1 mL	1 mL	464085	04/01/24 14:19	M1D	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	300.0		100	1 mL	1 mL	464085	04/01/24 14:37	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464094	04/02/24 07:10	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464306	04/02/24 20:24	S1Z	EET PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			25 mL	25 mL	465752	04/18/24 10:45	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		10			465971	04/19/24 15:58	S1Z	EET PIT
	Instrument ID: DORY									
Total Recoverable	Prep	3005A			25 mL	25 mL	464094	04/02/24 07:10	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		10			465179	04/11/24 19:08	S1Z	EET PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	463827	03/28/24 08:01	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464202	04/02/24 11:03	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	5 mL	100 mL	464006	03/29/24 19:38	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			464515	04/04/24 12:05	ELS	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			464883	03/26/24 12:09	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-6D

Date Collected: 03/28/24 11:06
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464603	04/06/24 01:11	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464358	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464597	04/04/24 21:52	RJR	EET PIT
	Instrument ID: A									

Lab Chronicle

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

Job ID: 180-171486-1

Client Sample ID: APMW-6D

Date Collected: 03/28/24 11:06
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	25 mL	464358	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		5			464778	04/08/24 16:50	MRG	EET PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			25 mL	25 mL	464358	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464818	04/08/24 19:14	MRG	EET PIT
	Instrument ID: DORY									
Total/NA	Prep	7470A			25 mL	25 mL	464100	04/01/24 11:46	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 10:58	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	464531	04/04/24 17:19	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			464774	04/08/24 14:47	ZDA	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			464948	03/28/24 11:06	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-8

Date Collected: 03/28/24 12:34
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	464603	04/06/24 02:43	M1D	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	300.0		50	1 mL	1 mL	464603	04/06/24 03:01	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464358	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464597	04/04/24 21:54	RJR	EET PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			25 mL	25 mL	464358	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		5			464778	04/08/24 16:53	MRG	EET PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			25 mL	25 mL	464358	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		50			464818	04/08/24 19:17	MRG	EET PIT
	Instrument ID: DORY									
Total/NA	Prep	7470A			25 mL	25 mL	464100	04/01/24 11:46	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 11:01	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	10 mL	100 mL	464531	04/04/24 17:19	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			464774	04/08/24 14:51	ZDA	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			464948	03/28/24 12:34	FDS	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-171486-1

Client Sample ID: DUP-03

Date Collected: 03/28/24 11:34
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	464603	04/06/24 05:11	M1D	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	300.0		50	1 mL	1 mL	464603	04/06/24 05:29	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464358	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464597	04/04/24 21:57	RJR	EET PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			25 mL	25 mL	464358	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		5			464778	04/08/24 16:56	MRG	EET PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			25 mL	25 mL	464358	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		50			464818	04/08/24 19:19	MRG	EET PIT
	Instrument ID: DORY									
Total/NA	Prep	7470A			25 mL	25 mL	464100	04/01/24 11:46	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 11:02	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	10 mL	100 mL	464531	04/04/24 17:19	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			464774	04/08/24 14:57	ZDA	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			464948	03/28/24 11:34	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-9

Date Collected: 03/28/24 18:53
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	464603	04/06/24 02:06	M1D	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	300.0		50	1 mL	1 mL	464603	04/06/24 02:25	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464358	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464597	04/04/24 22:06	RJR	EET PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			25 mL	25 mL	464358	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		10			464778	04/08/24 16:59	MRG	EET PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			25 mL	25 mL	464358	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		20			464818	04/08/24 19:22	MRG	EET PIT
	Instrument ID: DORY									
Total/NA	Prep	7470A			25 mL	25 mL	464100	04/01/24 11:46	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 11:03	RJR	EET PIT
	Instrument ID: HGY									

Lab Chronicle

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

Job ID: 180-171486-1

Client Sample ID: APMW-9

Lab Sample ID: 180-171665-4
Date Collected: 03/28/24 18:53
Matrix: Water
Date Received: 03/30/24 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	20 mL	100 mL	464531	04/04/24 17:19	LWM	EET PIT
Total/NA	Analysis	SM2320 B		1			464774	04/08/24 15:11	ZDA	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			464948	03/28/24 18:53	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: FB-02

Lab Sample ID: 180-171665-5
Date Collected: 03/28/24 18:16
Matrix: Water
Date Received: 03/30/24 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464603	04/05/24 23:57	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464358	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464597	04/04/24 22:08	RJR	EET PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			25 mL	25 mL	464358	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464818	04/08/24 19:25	MRG	EET PIT
	Instrument ID: DORY									
Total/NA	Prep	7470A			25 mL	25 mL	464100	04/01/24 11:46	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 11:07	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	464531	04/04/24 17:19	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			465007	04/10/24 10:49	ZDA	EET PIT
	Instrument ID: PCTITRATOR									

Client Sample ID: EB-02

Lab Sample ID: 180-171665-6
Date Collected: 03/28/24 18:28
Matrix: Water
Date Received: 03/30/24 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464603	04/06/24 00:15	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464358	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464597	04/04/24 22:11	RJR	EET PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			25 mL	25 mL	464358	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464818	04/08/24 19:28	MRG	EET PIT
	Instrument ID: DORY									
Total/NA	Prep	7470A			25 mL	25 mL	464100	04/01/24 11:46	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 11:08	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	464531	04/04/24 17:19	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: EB-02

Lab Sample ID: 180-171665-6

Date Collected: 03/28/24 18:28

Matrix: Water

Date Received: 03/30/24 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM2320 B		1			465007	04/10/24 10:56	ZDA	EET PIT

Client Sample ID: APMW-10

Lab Sample ID: 180-171665-7

Date Collected: 03/29/24 09:20

Matrix: Water

Date Received: 03/30/24 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464603	04/06/24 03:20	M1D	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	300.0		10	1 mL	1 mL	464603	04/06/24 03:38	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464361	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			465741	04/17/24 12:50	MRG	EET PIT
	Instrument ID: DORY									
Total Recoverable	Prep	3005A			25 mL	25 mL	464361	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464629	04/05/24 12:39	S1Z	EET PIT
	Instrument ID: NEMO									
Total Recoverable	Prep	3005A			25 mL	25 mL	464361	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			465268	04/11/24 20:30	S1Z	EET PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	464100	04/01/24 11:46	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 11:09	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	50 mL	100 mL	464533	04/04/24 17:36	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			465007	04/10/24 10:59	ZDA	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			464948	03/29/24 09:20	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-04

Lab Sample ID: 180-171665-8

Date Collected: 03/29/24 08:20

Matrix: Water

Date Received: 03/30/24 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464603	04/06/24 03:57	M1D	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	300.0		10	1 mL	1 mL	464603	04/06/24 04:52	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464361	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464629	04/05/24 12:58	S1Z	EET PIT
	Instrument ID: NEMO									
Total Recoverable	Prep	3005A			25 mL	25 mL	464361	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			465268	04/11/24 20:49	S1Z	EET PIT
	Instrument ID: NEMO									

Lab Chronicle

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

Job ID: 180-171486-1

Client Sample ID: DUP-04

Lab Sample ID: 180-171665-8

Date Collected: 03/29/24 08:20

Matrix: Water

Date Received: 03/30/24 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	25 mL	464361	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			466469	04/25/24 10:20	S1Z	EET PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	464100	04/01/24 11:46	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 11:10	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	50 mL	100 mL	464533	04/04/24 17:36	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			465007	04/10/24 11:06	ZDA	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			464948	03/29/24 08:20	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-10D

Lab Sample ID: 180-171665-9

Date Collected: 03/29/24 11:02

Matrix: Water

Date Received: 03/30/24 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464602	04/05/24 16:49	LWM	EET PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	300.0		1	1 mL	1 mL	465213	04/12/24 20:04	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464361	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464629	04/05/24 13:01	S1Z	EET PIT
	Instrument ID: NEMO									
Total Recoverable	Prep	3005A			25 mL	25 mL	464361	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			465179	04/11/24 20:51	S1Z	EET PIT
	Instrument ID: NEMO									
Total Recoverable	Prep	3005A			25 mL	25 mL	464361	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			465268	04/11/24 20:51	S1Z	EET PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	464100	04/01/24 11:46	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 11:11	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	464533	04/04/24 17:36	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			465145	04/11/24 10:47	ELS	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			464948	03/29/24 11:02	FDS	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-171486-1

Client Sample ID: APMW-16

Date Collected: 03/28/24 11:33
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	464603	04/06/24 05:48	M1D	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	300.0		50	1 mL	1 mL	464603	04/06/24 06:06	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464361	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			465741	04/17/24 12:59	MRG	EET PIT
	Instrument ID: DORY									
Total Recoverable	Prep	3005A			25 mL	25 mL	464361	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464629	04/05/24 13:04	S1Z	EET PIT
	Instrument ID: NEMO									
Total Recoverable	Prep	3005A			25 mL	25 mL	464361	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		10			465179	04/11/24 21:10	S1Z	EET PIT
	Instrument ID: NEMO									
Total Recoverable	Prep	3005A			25 mL	25 mL	464361	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		10			465268	04/11/24 21:10	S1Z	EET PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	464100	04/01/24 11:46	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 11:12	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	20 mL	100 mL	464531	04/04/24 17:19	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			465007	04/10/24 11:13	ZDA	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			464948	03/28/24 11:33	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-15

Date Collected: 03/28/24 13:52
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	464603	04/06/24 06:25	M1D	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	300.0		50	1 mL	1 mL	464603	04/06/24 06:43	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464361	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			465741	04/17/24 13:02	MRG	EET PIT
	Instrument ID: DORY									
Total Recoverable	Prep	3005A			25 mL	25 mL	464361	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464629	04/05/24 13:07	S1Z	EET PIT
	Instrument ID: NEMO									
Total Recoverable	Prep	3005A			25 mL	25 mL	464361	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		10			465179	04/11/24 21:18	S1Z	EET PIT
	Instrument ID: NEMO									

Lab Chronicle

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

Job ID: 180-171486-1

Client Sample ID: APMW-15

Date Collected: 03/28/24 13:52
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	25 mL	464361	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		10			465268	04/11/24 21:18	S1Z	EET PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	464100	04/01/24 11:46	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 11:13	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	20 mL	100 mL	464531	04/04/24 17:19	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			464937	04/09/24 13:59	ZDA	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			464948	03/28/24 13:52	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-14

Date Collected: 03/28/24 16:06
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	1 mL	1 mL	464602	04/05/24 18:18	LWM	EET PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	300.0		50	1 mL	1 mL	464602	04/05/24 18:33	LWM	EET PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	300.0		5	1 mL	1 mL	465213	04/12/24 20:22	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464361	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464629	04/05/24 13:10	S1Z	EET PIT
	Instrument ID: NEMO									
Total Recoverable	Prep	3005A			25 mL	25 mL	464361	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		10			465179	04/11/24 21:21	S1Z	EET PIT
	Instrument ID: NEMO									
Total Recoverable	Prep	3005A			25 mL	25 mL	464361	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		10			465268	04/11/24 21:21	S1Z	EET PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	464100	04/01/24 11:46	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 11:14	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	15 mL	100 mL	464531	04/04/24 17:19	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			465007	04/10/24 11:19	ZDA	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			464948	03/28/24 16:06	FDS	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-171486-1

Client Sample ID: APMW-13

Date Collected: 03/29/24 10:15
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		25	1 mL	1 mL	464602	04/05/24 19:03	LWM	EET PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	300.0		2.5	1 mL	1 mL	465213	04/12/24 20:41	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464361	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464629	04/05/24 13:13	S1Z	EET PIT
	Instrument ID: NEMO									
Total Recoverable	Prep	3005A			25 mL	25 mL	464361	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		5			465179	04/11/24 21:23	S1Z	EET PIT
	Instrument ID: NEMO									
Total Recoverable	Prep	3005A			25 mL	25 mL	464361	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		5			465268	04/11/24 21:23	S1Z	EET PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	464100	04/01/24 11:46	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 11:15	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	25 mL	100 mL	464533	04/04/24 17:36	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			465040	04/10/24 13:22	ZDA	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			464948	03/29/24 10:15	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-11

Date Collected: 03/29/24 12:55
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464602	04/05/24 17:34	LWM	EET PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	300.0		1	1 mL	1 mL	465213	04/12/24 20:59	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464361	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464629	04/05/24 13:16	S1Z	EET PIT
	Instrument ID: NEMO									
Total Recoverable	Prep	3005A			25 mL	25 mL	464361	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			465179	04/11/24 21:05	S1Z	EET PIT
	Instrument ID: NEMO									
Total Recoverable	Prep	3005A			25 mL	25 mL	464361	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			465268	04/11/24 21:05	S1Z	EET PIT
	Instrument ID: NEMO									
Total Recoverable	Prep	3005A			25 mL	25 mL	464361	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		5			465179	04/11/24 21:26	S1Z	EET PIT
	Instrument ID: NEMO									

Lab Chronicle

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

Job ID: 180-171486-1

Client Sample ID: APMW-11

Date Collected: 03/29/24 12:55
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			25 mL	25 mL	464100	04/01/24 11:46	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 11:16	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	464533	04/04/24 17:36	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			465040	04/10/24 13:27	ZDA	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			464948	03/29/24 12:55	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-12

Date Collected: 03/29/24 14:18
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464603	04/06/24 07:02	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464361	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464629	04/05/24 13:19	S1Z	EET PIT
	Instrument ID: NEMO									
Total Recoverable	Prep	3005A			25 mL	25 mL	464361	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			465179	04/11/24 21:07	S1Z	EET PIT
	Instrument ID: NEMO									
Total Recoverable	Prep	3005A			25 mL	25 mL	464361	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			465268	04/11/24 21:07	S1Z	EET PIT
	Instrument ID: NEMO									
Total Recoverable	Prep	3005A			25 mL	25 mL	464361	04/04/24 07:55	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		5			465179	04/11/24 21:28	S1Z	EET PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	464100	04/01/24 11:46	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 11:25	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	464533	04/04/24 17:36	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM2320 B		1			465040	04/10/24 13:32	ZDA	EET PIT
	Instrument ID: PCTITRATOR									
Total/NA	Analysis	Field Sampling		1			464948	03/29/24 14:18	FDS	EET PIT
	Instrument ID: NOEQUIP									

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

Lab Chronicle

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

Job ID: 180-171486-1

Analyst References:

Lab: EET PIT

Batch Type: Prep

NWW = Nicholas Woten
RJR = Ron Rosenbaum

Batch Type: Analysis

AM = Adzuira Musule
ELS = Edwin Shireman
FDS = Sampler Field
LWM = Leslie McIntire
M1D = Maureen Donlin
MRG = Mismel Garcia
RJR = Ron Rosenbaum
S1Z = Sage Ziviello
ZDA = Zachary Ausburn

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

Job ID: 180-171486-1

Client Sample ID: APMW-2

Date Collected: 03/25/24 13:48
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-1

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2500**		25	18	mg/L			03/30/24 15:58	25
Fluoride	**0.082**	**J**	0.50	0.065	mg/L			03/30/24 15:43	2.5
Sulfate	**6.0**		2.5	1.9	mg/L			03/30/24 15:43	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.016		0.030	0.016	mg/L		04/02/24 07:10	04/03/24 19:58	1
Antimony	<0.00097		0.0020	0.00097	mg/L		04/02/24 07:10	04/03/24 19:58	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		04/02/24 07:10	04/03/24 19:58	1
Barium	**3.9**		0.010	0.0031	mg/L		04/02/24 07:10	04/03/24 19:58	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/02/24 07:10	04/03/24 19:58	1
Boron	**3.7**		1.6	1.2	mg/L		04/02/24 07:10	04/19/24 14:40	20
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/24 07:10	04/03/24 19:58	1
Calcium	**360**		0.50	0.13	mg/L		04/02/24 07:10	04/03/24 19:58	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/24 07:10	04/03/24 19:58	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		04/02/24 07:10	04/03/24 19:58	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/02/24 07:10	04/03/24 19:58	1
Lithium	**0.037**		0.0050	0.0013	mg/L		04/02/24 07:10	04/03/24 19:58	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/02/24 07:10	04/03/24 19:58	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/02/24 07:10	04/03/24 19:58	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/02/24 07:10	04/03/24 19:58	1
Iron	**180**		0.050	0.028	mg/L		04/02/24 07:10	04/03/24 19:58	1
Potassium	**34**		0.50	0.16	mg/L		04/02/24 07:10	04/03/24 19:58	1
Magnesium	**66**		0.50	0.050	mg/L		04/02/24 07:10	04/03/24 19:58	1
Manganese	**1.4**		0.0050	0.0013	mg/L		04/02/24 07:10	04/03/24 19:58	1
Sodium	**400**		50	18	mg/L		04/02/24 07:10	04/17/24 20:19	100
Silicon	**7.8**	**J**	50	6.2	mg/L		04/02/24 07:10	04/17/24 20:19	100
Strontium	**3.7**		0.0050	0.0017	mg/L		04/02/24 07:10	04/03/24 19:58	1
SiO2, Silica	**17**	**J**	110	15	mg/L		04/02/24 07:10	04/17/24 20:19	100

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/28/24 08:01	04/02/24 10:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**4000**		40	40	mg/L			03/28/24 16:47	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**66**		5.0	5.0	mg/L			04/03/24 14:55	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**66**		5.0	5.0	mg/L			04/03/24 14:55	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/03/24 14:55	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.86**				SU			03/25/24 13:48	1

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

Job ID: 180-171486-1

Client Sample ID: APMW-2D

Date Collected: 03/25/24 15:52
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-2

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.6**		1.0	0.71	mg/L			03/30/24 14:58	1
Fluoride	**0.19**	**J**	0.20	0.026	mg/L			03/30/24 14:58	1
Sulfate	**3.7**		1.0	0.76	mg/L			03/30/24 14:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.025**	**J B**	0.030	0.016	mg/L		04/02/24 07:10	04/03/24 20:01	1
Antimony	<0.00097		0.0020	0.00097	mg/L		04/02/24 07:10	04/03/24 20:01	1
Arsenic	**0.0023**		0.0010	0.00028	mg/L		04/02/24 07:10	04/03/24 20:01	1
Barium	**0.066**		0.010	0.0031	mg/L		04/02/24 07:10	04/03/24 20:01	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/02/24 07:10	04/03/24 20:01	1
Boron	**0.090**		0.080	0.060	mg/L		05/01/24 06:05	05/03/24 08:44	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/24 07:10	04/03/24 20:01	1
Calcium	**2.7**		0.50	0.13	mg/L		04/02/24 07:10	04/03/24 20:01	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/24 07:10	04/03/24 20:01	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		04/02/24 07:10	04/03/24 20:01	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/02/24 07:10	04/03/24 20:01	1
Lithium	**0.0096**		0.0050	0.0013	mg/L		04/02/24 07:10	04/03/24 20:01	1
Molybdenum	**0.00099**	**J**	0.015	0.00061	mg/L		04/02/24 07:10	04/03/24 20:01	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/02/24 07:10	04/03/24 20:01	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/02/24 07:10	04/03/24 20:01	1
Iron	**0.56**		0.050	0.028	mg/L		04/02/24 07:10	04/03/24 20:01	1
Potassium	**1.7**		0.50	0.16	mg/L		04/02/24 07:10	04/03/24 20:01	1
Magnesium	**1.1**		0.50	0.050	mg/L		04/02/24 07:10	04/03/24 20:01	1
Manganese	**0.10**		0.0050	0.0013	mg/L		04/02/24 07:10	04/03/24 20:01	1
Sodium	**41**		0.50	0.18	mg/L		04/02/24 07:10	04/03/24 20:01	1
Silicon	**15**	**J**	50	6.2	mg/L		04/02/24 07:10	04/17/24 20:22	100
Strontium	**0.061**		0.0050	0.0017	mg/L		04/02/24 07:10	04/03/24 20:01	1
SiO2, Silica	**31**	**J**	110	15	mg/L		04/02/24 07:10	04/17/24 20:22	100

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/28/24 08:01	04/02/24 10:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**140**		10	10	mg/L			03/28/24 16:47	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**97**		5.0	5.0	mg/L			04/03/24 15:00	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**97**		5.0	5.0	mg/L			04/03/24 15:00	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/03/24 15:00	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.48**				SU			03/25/24 15:52	1

Client Sample ID: APMW-5

Date Collected: 03/26/24 09:40
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-3

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7100**		100	71	mg/L			03/30/24 16:27	100
Fluoride	**0.28**	**J**	2.0	0.26	mg/L			03/30/24 16:13	10
Sulfate	**610**		10	7.6	mg/L			03/30/24 16:13	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.016		0.030	0.016	mg/L		04/02/24 07:10	04/03/24 20:04	1
Antimony	<0.00097		0.0020	0.00097	mg/L		04/02/24 07:10	04/03/24 20:04	1
Arsenic	**0.21**		0.0010	0.00028	mg/L		04/02/24 07:10	04/03/24 20:04	1
Barium	**0.097**		0.010	0.0031	mg/L		04/02/24 07:10	04/03/24 20:04	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/02/24 07:10	04/03/24 20:04	1
Boron	**6.3**		0.80	0.60	mg/L		05/01/24 06:05	05/01/24 16:32	10
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/24 07:10	04/03/24 20:04	1
Calcium	**250**		0.50	0.13	mg/L		04/02/24 07:10	04/03/24 20:04	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/24 07:10	04/03/24 20:04	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		04/02/24 07:10	04/03/24 20:04	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/02/24 07:10	04/03/24 20:04	1
Lithium	**0.036**		0.0050	0.0013	mg/L		04/02/24 07:10	04/03/24 20:04	1
Molybdenum	**0.17**		0.015	0.00061	mg/L		04/02/24 07:10	04/03/24 20:04	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/02/24 07:10	04/03/24 20:04	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/02/24 07:10	04/03/24 20:04	1
Iron	**22**		0.050	0.028	mg/L		04/02/24 07:10	04/03/24 20:04	1
Potassium	**110**		0.50	0.16	mg/L		04/02/24 07:10	04/03/24 20:04	1
Magnesium	**360**		0.50	0.050	mg/L		04/02/24 07:10	04/03/24 20:04	1
Manganese	**0.48**		0.0050	0.0013	mg/L		04/02/24 07:10	04/03/24 20:04	1
Sodium	**3900**		10	3.7	mg/L		04/02/24 07:10	04/17/24 20:25	20
Silicon	**11**		10	1.2	mg/L		04/02/24 07:10	04/17/24 20:25	20
Strontium	**4.3**		0.0050	0.0017	mg/L		04/02/24 07:10	04/03/24 20:04	1
SiO2, Silica	**24**		21	3.0	mg/L		04/02/24 07:10	04/17/24 20:25	20

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/28/24 08:01	04/02/24 10:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**12000**		200	200	mg/L			03/29/24 19:38	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**240**		5.0	5.0	mg/L			04/03/24 15:05	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**240**		5.0	5.0	mg/L			04/03/24 15:05	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/03/24 15:05	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.34**				SU			03/26/24 09:40	1

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

Job ID: 180-171486-1

Client Sample ID: APMW-5D

Date Collected: 03/26/24 12:04
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-4

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.7**		1.0	0.71	mg/L			03/30/24 16:42	1
Fluoride	**0.15**	**J**	0.20	0.026	mg/L			03/30/24 16:42	1
Sulfate	**4.8**		1.0	0.76	mg/L			03/30/24 16:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.19**	**B**	0.030	0.016	mg/L		04/02/24 07:10	04/03/24 20:07	1
Antimony	<0.00097		0.0020	0.00097	mg/L		04/02/24 07:10	04/03/24 20:07	1
Arsenic	**0.019**		0.0010	0.00028	mg/L		04/02/24 07:10	04/03/24 20:07	1
Barium	**0.041**		0.010	0.0031	mg/L		04/02/24 07:10	04/03/24 20:07	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/02/24 07:10	04/03/24 20:07	1
Boron	<0.060		0.080	0.060	mg/L		04/02/24 07:10	04/19/24 14:53	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/24 07:10	04/03/24 20:07	1
Calcium	**1.1**		0.50	0.13	mg/L		04/02/24 07:10	04/03/24 20:07	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/24 07:10	04/03/24 20:07	1
Cobalt	**0.00030**	**J**	0.0025	0.00026	mg/L		04/02/24 07:10	04/03/24 20:07	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/02/24 07:10	04/03/24 20:07	1
Lithium	**0.0076**		0.0050	0.0013	mg/L		04/02/24 07:10	04/03/24 20:07	1
Molybdenum	**0.0011**	**J**	0.015	0.00061	mg/L		04/02/24 07:10	04/03/24 20:07	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/02/24 07:10	04/03/24 20:07	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/02/24 07:10	04/03/24 20:07	1
Iron	**1.2**		0.050	0.028	mg/L		04/02/24 07:10	04/03/24 20:07	1
Potassium	**3.5**		0.50	0.16	mg/L		04/02/24 07:10	04/03/24 20:07	1
Magnesium	**0.75**		0.50	0.050	mg/L		04/02/24 07:10	04/03/24 20:07	1
Manganese	**0.029**		0.0050	0.0013	mg/L		04/02/24 07:10	04/03/24 20:07	1
Sodium	**38**		0.50	0.18	mg/L		04/02/24 07:10	04/03/24 20:07	1
Silicon	**17**	**J**	50	6.2	mg/L		04/02/24 07:10	04/17/24 20:28	100
Strontium	**0.022**		0.0050	0.0017	mg/L		04/02/24 07:10	04/03/24 20:07	1
SiO2, Silica	**37**	**J**	110	15	mg/L		04/02/24 07:10	04/17/24 20:28	100

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/28/24 08:01	04/02/24 10:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**140**		10	10	mg/L			03/29/24 19:38	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**76**		5.0	5.0	mg/L			04/03/24 15:10	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**76**		5.0	5.0	mg/L			04/03/24 15:10	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/03/24 15:10	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.78**				SU			03/26/24 12:04	1

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

Job ID: 180-171486-1

Client Sample ID: FB-01

Date Collected: 03/26/24 10:30
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-5

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			03/30/24 20:24	1
Fluoride	<0.026		0.20	0.026	mg/L			03/30/24 20:24	1
Sulfate	<0.76		1.0	0.76	mg/L			03/30/24 20:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.016		0.030	0.016	mg/L		04/02/24 07:10	04/03/24 20:09	1
Antimony	<0.00097		0.0020	0.00097	mg/L		04/02/24 07:10	04/03/24 20:09	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		04/02/24 07:10	04/03/24 20:09	1
Barium	<0.0031		0.010	0.0031	mg/L		04/02/24 07:10	04/03/24 20:09	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/02/24 07:10	04/03/24 20:09	1
Boron	<0.060	^+	0.080	0.060	mg/L		04/02/24 07:10	04/03/24 20:09	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/24 07:10	04/03/24 20:09	1
Calcium	<0.13		0.50	0.13	mg/L		04/02/24 07:10	04/03/24 20:09	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/24 07:10	04/03/24 20:09	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		04/02/24 07:10	04/03/24 20:09	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/02/24 07:10	04/03/24 20:09	1
Lithium	<0.0013		0.0050	0.0013	mg/L		04/02/24 07:10	04/03/24 20:09	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/02/24 07:10	04/03/24 20:09	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/02/24 07:10	04/03/24 20:09	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/02/24 07:10	04/03/24 20:09	1
Iron	<0.028		0.050	0.028	mg/L		04/02/24 07:10	04/03/24 20:09	1
Potassium	<0.16		0.50	0.16	mg/L		04/02/24 07:10	04/03/24 20:09	1
Magnesium	<0.050		0.50	0.050	mg/L		04/02/24 07:10	04/03/24 20:09	1
Manganese	<0.0013		0.0050	0.0013	mg/L		04/02/24 07:10	04/03/24 20:09	1
Sodium	**0.20**	**J**	0.50	0.18	mg/L		04/02/24 07:10	04/03/24 20:09	1
Silicon	<0.062		0.50	0.062	mg/L		04/02/24 07:10	04/03/24 20:09	1
Strontium	<0.0017		0.0050	0.0017	mg/L		04/02/24 07:10	04/03/24 20:09	1
SiO2, Silica	<0.15		1.1	0.15	mg/L		04/02/24 07:10	04/03/24 20:09	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/28/24 08:01	04/02/24 10:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10		10	10	mg/L			03/29/24 19:38	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/03/24 15:14	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/03/24 15:14	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/03/24 15:14	1

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

Job ID: 180-171486-1

Client Sample ID: EB-01

Date Collected: 03/26/24 10:38
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-6

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/01/24 21:05	1
Fluoride	<0.026		0.20	0.026	mg/L			04/01/24 21:05	1
Sulfate	<0.76		1.0	0.76	mg/L			04/01/24 21:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.016		0.030	0.016	mg/L		04/02/24 07:10	04/02/24 19:39	1
Antimony	<0.00097		0.0020	0.00097	mg/L		04/02/24 07:10	04/02/24 19:39	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		04/02/24 07:10	04/02/24 19:39	1
Barium	<0.0031		0.010	0.0031	mg/L		04/02/24 07:10	04/02/24 19:39	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/02/24 07:10	04/11/24 17:23	1
Boron	<0.060	^5-	0.080	0.060	mg/L		04/02/24 07:10	04/11/24 17:23	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/24 07:10	04/02/24 19:39	1
Calcium	<0.13		0.50	0.13	mg/L		04/02/24 07:10	04/02/24 19:39	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/24 07:10	04/02/24 19:39	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		04/02/24 07:10	04/02/24 19:39	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/02/24 07:10	04/02/24 19:39	1
Lithium	<0.0013		0.0050	0.0013	mg/L		04/02/24 07:10	04/02/24 19:39	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/02/24 07:10	04/02/24 19:39	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/02/24 07:10	04/02/24 19:39	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/02/24 07:10	04/02/24 19:39	1
Iron	<0.028		0.050	0.028	mg/L		04/02/24 07:10	04/02/24 19:39	1
Potassium	<0.16		0.50	0.16	mg/L		04/02/24 07:10	04/02/24 19:39	1
Magnesium	<0.050		0.50	0.050	mg/L		04/02/24 07:10	04/02/24 19:39	1
Manganese	<0.0013		0.0050	0.0013	mg/L		04/02/24 07:10	04/02/24 19:39	1
Sodium	**0.40**	**J**	0.50	0.18	mg/L		04/02/24 07:10	04/02/24 19:39	1
Silicon	<0.062		0.50	0.062	mg/L		04/02/24 07:10	04/02/24 19:39	1
Strontium	<0.0017		0.0050	0.0017	mg/L		04/02/24 07:10	04/02/24 19:39	1
SiO2, Silica	<0.15		1.1	0.15	mg/L		04/02/24 07:10	04/02/24 19:39	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/28/24 08:01	04/02/24 10:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10		10	10	mg/L			03/29/24 19:38	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/03/24 15:18	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/03/24 15:18	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/03/24 15:18	1

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

Job ID: 180-171486-1

Client Sample ID: DUP-01
Date Collected: 03/25/24 12:48
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-7
Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2500**		25	18	mg/L			03/30/24 17:41	25
Fluoride	**0.080**	**J**	0.50	0.065	mg/L			03/30/24 17:26	2.5
Sulfate	**6.7**		2.5	1.9	mg/L			03/30/24 17:26	2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.016		0.030	0.016	mg/L		04/02/24 07:10	04/02/24 19:59	1
Antimony	<0.00097		0.0020	0.00097	mg/L		04/02/24 07:10	04/02/24 19:59	1
Arsenic	**0.00030**	**J**	0.0010	0.00028	mg/L		04/02/24 07:10	04/02/24 19:59	1
Barium	**3.9**		0.010	0.0031	mg/L		04/02/24 07:10	04/02/24 19:59	1
Beryllium	**0.00048**	**J**	0.0025	0.00027	mg/L		04/02/24 07:10	04/11/24 17:31	1
Boron	**2.4**		0.80	0.60	mg/L		04/18/24 10:45	04/19/24 15:02	10
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/24 07:10	04/02/24 19:59	1
Calcium	**350**		0.50	0.13	mg/L		04/02/24 07:10	04/02/24 19:59	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/24 07:10	04/02/24 19:59	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		04/02/24 07:10	04/02/24 19:59	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/02/24 07:10	04/02/24 19:59	1
Lithium	**0.040**		0.0050	0.0013	mg/L		04/02/24 07:10	04/02/24 19:59	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/02/24 07:10	04/02/24 19:59	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/02/24 07:10	04/02/24 19:59	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/02/24 07:10	04/02/24 19:59	1
Iron	**170**		0.050	0.028	mg/L		04/02/24 07:10	04/02/24 19:59	1
Potassium	**35**		0.50	0.16	mg/L		04/02/24 07:10	04/02/24 19:59	1
Magnesium	**64**		0.50	0.050	mg/L		04/02/24 07:10	04/02/24 19:59	1
Manganese	**1.4**		0.0050	0.0013	mg/L		04/02/24 07:10	04/02/24 19:59	1
Sodium	**900**		2.5	0.92	mg/L		04/02/24 07:10	04/11/24 18:39	5
Silicon	**18**		2.5	0.31	mg/L		04/02/24 07:10	04/11/24 18:39	5
Strontium	**3.7**		0.0050	0.0017	mg/L		04/02/24 07:10	04/02/24 19:59	1
SiO2, Silica	**38**		5.4	0.76	mg/L		04/02/24 07:10	04/11/24 18:39	5

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/28/24 08:01	04/02/24 10:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**4000**		40	40	mg/L			03/28/24 16:47	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**67**		5.0	5.0	mg/L			04/03/24 15:22	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**67**		5.0	5.0	mg/L			04/03/24 15:22	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/03/24 15:22	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.86**				SU			03/25/24 12:48	1

Client Sample ID: APMW-7

Date Collected: 03/26/24 14:45
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-8

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4100**		50	36	mg/L			04/01/24 17:23	50
Fluoride	**0.13**	**J**	1.0	0.13	mg/L			04/01/24 17:05	5
Sulfate	**100**		5.0	3.8	mg/L			04/01/24 17:05	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.016		0.030	0.016	mg/L		04/02/24 07:10	04/02/24 20:02	1
Antimony	<0.00097		0.0020	0.00097	mg/L		04/02/24 07:10	04/02/24 20:02	1
Arsenic	**0.00068**	**J**	0.0010	0.00028	mg/L		04/02/24 07:10	04/02/24 20:02	1
Barium	**0.58**		0.010	0.0031	mg/L		04/02/24 07:10	04/02/24 20:02	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/02/24 07:10	04/11/24 17:40	1
Boron	**1.3**		0.40	0.30	mg/L		04/18/24 10:45	04/19/24 15:05	5
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/24 07:10	04/02/24 20:02	1
Calcium	**100**		0.50	0.13	mg/L		04/02/24 07:10	04/02/24 20:02	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/24 07:10	04/02/24 20:02	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		04/02/24 07:10	04/02/24 20:02	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/02/24 07:10	04/02/24 20:02	1
Lithium	**0.0058**		0.0050	0.0013	mg/L		04/02/24 07:10	04/02/24 20:02	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/02/24 07:10	04/02/24 20:02	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/02/24 07:10	04/02/24 20:02	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/02/24 07:10	04/02/24 20:02	1
Iron	**1.7**		0.050	0.028	mg/L		04/02/24 07:10	04/02/24 20:02	1
Potassium	**53**		0.50	0.16	mg/L		04/02/24 07:10	04/02/24 20:02	1
Magnesium	**270**		0.50	0.050	mg/L		04/02/24 07:10	04/02/24 20:02	1
Manganese	**0.067**		0.0050	0.0013	mg/L		04/02/24 07:10	04/02/24 20:02	1
Sodium	**2400**		2.5	0.92	mg/L		04/02/24 07:10	04/11/24 18:41	5
Silicon	**14**		2.5	0.31	mg/L		04/02/24 07:10	04/11/24 18:41	5
Strontium	**2.0**		0.0050	0.0017	mg/L		04/02/24 07:10	04/02/24 20:02	1
SiO2, Silica	**29**		5.4	0.76	mg/L		04/02/24 07:10	04/11/24 18:41	5

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/28/24 08:01	04/02/24 10:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**7600**		100	100	mg/L			03/29/24 19:38	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**620**		5.0	5.0	mg/L			04/04/24 10:58	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**620**		5.0	5.0	mg/L			04/04/24 10:58	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/04/24 10:58	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.42**				SU			03/26/24 14:45	1

Client Sample ID: DUP-02

Date Collected: 03/26/24 13:45
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-9

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4100**		50	36	mg/L			04/01/24 18:00	50
Fluoride	**0.13**	**J**	1.0	0.13	mg/L			04/01/24 17:42	5
Sulfate	**98**		5.0	3.8	mg/L			04/01/24 17:42	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.017**	**J**	0.030	0.016	mg/L		04/02/24 07:10	04/02/24 20:04	1
Antimony	<0.00097		0.0020	0.00097	mg/L		04/02/24 07:10	04/02/24 20:04	1
Arsenic	**0.00073**	**J**	0.0010	0.00028	mg/L		04/02/24 07:10	04/02/24 20:04	1
Barium	**0.59**		0.010	0.0031	mg/L		04/02/24 07:10	04/02/24 20:04	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/02/24 07:10	04/11/24 17:45	1
Boron	**1.3**		0.40	0.30	mg/L		04/18/24 10:45	04/19/24 15:07	5
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/24 07:10	04/02/24 20:04	1
Calcium	**110**		0.50	0.13	mg/L		04/02/24 07:10	04/02/24 20:04	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/24 07:10	04/02/24 20:04	1
Cobalt	**0.00028**	**J**	0.0025	0.00026	mg/L		04/02/24 07:10	04/02/24 20:04	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/02/24 07:10	04/02/24 20:04	1
Lithium	**0.0054**		0.0050	0.0013	mg/L		04/02/24 07:10	04/02/24 20:04	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/02/24 07:10	04/02/24 20:04	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/02/24 07:10	04/02/24 20:04	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/02/24 07:10	04/02/24 20:04	1
Iron	**1.9**		0.050	0.028	mg/L		04/02/24 07:10	04/02/24 20:04	1
Potassium	**55**		0.50	0.16	mg/L		04/02/24 07:10	04/02/24 20:04	1
Magnesium	**280**		0.50	0.050	mg/L		04/02/24 07:10	04/02/24 20:04	1
Manganese	**0.072**		0.0050	0.0013	mg/L		04/02/24 07:10	04/02/24 20:04	1
Sodium	**2500**		2.5	0.92	mg/L		04/02/24 07:10	04/11/24 18:44	5
Silicon	**13**		2.5	0.31	mg/L		04/02/24 07:10	04/11/24 18:44	5
Strontium	**2.1**		0.0050	0.0017	mg/L		04/02/24 07:10	04/02/24 20:04	1
SiO2, Silica	**28**		5.4	0.76	mg/L		04/02/24 07:10	04/11/24 18:44	5

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/28/24 08:01	04/02/24 10:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**7600**		100	100	mg/L			03/29/24 19:38	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**620**		5.0	5.0	mg/L			04/04/24 11:13	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**620**		5.0	5.0	mg/L			04/04/24 11:13	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/04/24 11:13	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.42**				SU			03/26/24 13:45	1

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

Job ID: 180-171486-1

Client Sample ID: APMW-8D

Date Collected: 03/26/24 16:30
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-10

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.9**		1.0	0.71	mg/L			04/01/24 20:10	1
Fluoride	**0.11**	**J**	0.20	0.026	mg/L			04/01/24 20:10	1
Sulfate	**5.7**		1.0	0.76	mg/L			04/01/24 20:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.016		0.030	0.016	mg/L		04/02/24 07:10	04/02/24 20:07	1
Antimony	<0.00097		0.0020	0.00097	mg/L		04/02/24 07:10	04/02/24 20:07	1
Arsenic	**0.0031**		0.0010	0.00028	mg/L		04/02/24 07:10	04/02/24 20:07	1
Barium	**0.075**		0.010	0.0031	mg/L		04/02/24 07:10	04/02/24 20:07	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/02/24 07:10	04/11/24 17:51	1
Boron	<0.060	^5-	0.080	0.060	mg/L		04/02/24 07:10	04/11/24 17:51	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/24 07:10	04/02/24 20:07	1
Calcium	**5.9**		0.50	0.13	mg/L		04/02/24 07:10	04/02/24 20:07	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/24 07:10	04/02/24 20:07	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		04/02/24 07:10	04/02/24 20:07	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/02/24 07:10	04/02/24 20:07	1
Lithium	**0.0049**	**J**	0.0050	0.0013	mg/L		04/02/24 07:10	04/02/24 20:07	1
Molybdenum	**0.00086**	**J**	0.015	0.00061	mg/L		04/02/24 07:10	04/02/24 20:07	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/02/24 07:10	04/02/24 20:07	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/02/24 07:10	04/02/24 20:07	1
Iron	**4.5**		0.050	0.028	mg/L		04/02/24 07:10	04/02/24 20:07	1
Potassium	**2.4**		0.50	0.16	mg/L		04/02/24 07:10	04/02/24 20:07	1
Magnesium	**1.6**		0.50	0.050	mg/L		04/02/24 07:10	04/02/24 20:07	1
Manganese	**0.087**		0.0050	0.0013	mg/L		04/02/24 07:10	04/02/24 20:07	1
Sodium	**26**		0.50	0.18	mg/L		04/02/24 07:10	04/11/24 17:51	1
Silicon	**16**		2.5	0.31	mg/L		04/02/24 07:10	04/11/24 18:47	5
Strontium	**0.12**		0.0050	0.0017	mg/L		04/02/24 07:10	04/02/24 20:07	1
SiO2, Silica	**34**		5.4	0.76	mg/L		04/02/24 07:10	04/11/24 18:47	5

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/28/24 08:01	04/02/24 10:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**120**		10	10	mg/L			03/29/24 19:38	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**69**		5.0	5.0	mg/L			04/04/24 11:21	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**69**		5.0	5.0	mg/L			04/04/24 11:21	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/04/24 11:21	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.73**				SU			03/26/24 16:30	1

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

Job ID: 180-171486-1

Client Sample ID: APMW-1R

Date Collected: 03/25/24 13:35
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-11

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2500**		50	36	mg/L			03/30/24 18:11	50
Fluoride	**0.16**	**J**	1.0	0.13	mg/L			03/30/24 17:56	5
Sulfate	**6.3**		5.0	3.8	mg/L			03/30/24 17:56	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.016		0.030	0.016	mg/L		04/02/24 07:10	04/02/24 20:10	1
Antimony	<0.00097		0.0020	0.00097	mg/L		04/02/24 07:10	04/02/24 20:10	1
Arsenic	**0.00062**	**J**	0.0010	0.00028	mg/L		04/02/24 07:10	04/02/24 20:10	1
Barium	**1.6**		0.010	0.0031	mg/L		04/02/24 07:10	04/02/24 20:10	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/02/24 07:10	04/11/24 17:56	1
Boron	**6.7**		1.6	1.2	mg/L		04/18/24 10:45	04/19/24 15:13	20
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/24 07:10	04/02/24 20:10	1
Calcium	**200**		0.50	0.13	mg/L		04/02/24 07:10	04/02/24 20:10	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/24 07:10	04/02/24 20:10	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		04/02/24 07:10	04/02/24 20:10	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/02/24 07:10	04/02/24 20:10	1
Lithium	**0.017**		0.0050	0.0013	mg/L		04/02/24 07:10	04/02/24 20:10	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/02/24 07:10	04/02/24 20:10	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/02/24 07:10	04/02/24 20:10	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/02/24 07:10	04/02/24 20:10	1
Iron	**49**		0.050	0.028	mg/L		04/02/24 07:10	04/02/24 20:10	1
Potassium	**63**		0.50	0.16	mg/L		04/02/24 07:10	04/02/24 20:10	1
Magnesium	**67**		0.50	0.050	mg/L		04/02/24 07:10	04/02/24 20:10	1
Manganese	**0.17**		0.0050	0.0013	mg/L		04/02/24 07:10	04/02/24 20:10	1
Sodium	**1300**		2.5	0.92	mg/L		04/02/24 07:10	04/11/24 18:49	5
Silicon	**12**		2.5	0.31	mg/L		04/02/24 07:10	04/11/24 18:49	5
Strontium	**1.8**		0.0050	0.0017	mg/L		04/02/24 07:10	04/02/24 20:10	1
SiO2, Silica	**25**		5.4	0.76	mg/L		04/02/24 07:10	04/11/24 18:49	5

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/28/24 08:01	04/02/24 10:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**4600**		50	50	mg/L			03/28/24 16:47	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**370**		5.0	5.0	mg/L			04/04/24 11:26	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**370**		5.0	5.0	mg/L			04/04/24 11:26	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/04/24 11:26	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.34**				SU			03/25/24 13:35	1

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

Job ID: 180-171486-1

Client Sample ID: APMW-3

Date Collected: 03/25/24 17:05
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-12

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9400**		100	71	mg/L			03/30/24 18:40	100
Fluoride	**0.39**	**J**	2.0	0.26	mg/L			03/30/24 18:26	10
Sulfate	**980**		10	7.6	mg/L			03/30/24 18:26	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.016		0.030	0.016	mg/L		04/02/24 07:10	04/02/24 20:13	1
Antimony	<0.00097		0.0020	0.00097	mg/L		04/02/24 07:10	04/02/24 20:13	1
Arsenic	**0.072**		0.0010	0.00028	mg/L		04/02/24 07:10	04/02/24 20:13	1
Barium	**0.099**		0.010	0.0031	mg/L		04/02/24 07:10	04/02/24 20:13	1
Beryllium	<0.00027	^+	0.0025	0.00027	mg/L		04/02/24 07:10	04/02/24 20:13	1
Boron	**5.5**		0.80	0.60	mg/L		04/18/24 10:45	04/19/24 15:16	10
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/24 07:10	04/02/24 20:13	1
Calcium	**290**		0.50	0.13	mg/L		04/02/24 07:10	04/02/24 20:13	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/24 07:10	04/02/24 20:13	1
Cobalt	**0.0025**		0.0025	0.00026	mg/L		04/02/24 07:10	04/02/24 20:13	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/02/24 07:10	04/02/24 20:13	1
Lithium	**0.076**		0.0050	0.0013	mg/L		04/02/24 07:10	04/02/24 20:13	1
Molybdenum	**0.055**		0.015	0.00061	mg/L		04/02/24 07:10	04/02/24 20:13	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/02/24 07:10	04/02/24 20:13	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/02/24 07:10	04/02/24 20:13	1
Iron	**6.6**		0.050	0.028	mg/L		04/02/24 07:10	04/02/24 20:13	1
Potassium	**160**		0.50	0.16	mg/L		04/02/24 07:10	04/02/24 20:13	1
Magnesium	**500**		0.50	0.050	mg/L		04/02/24 07:10	04/02/24 20:13	1
Manganese	**0.36**		0.0050	0.0013	mg/L		04/02/24 07:10	04/02/24 20:13	1
Sodium	**4600**		5.0	1.8	mg/L		04/02/24 07:10	04/11/24 18:52	10
Silicon	**7.9**		0.50	0.062	mg/L		04/02/24 07:10	04/02/24 20:13	1
Strontium	**8.1**		0.0050	0.0017	mg/L		04/02/24 07:10	04/02/24 20:13	1
SiO2, Silica	**17**		1.1	0.15	mg/L		04/02/24 07:10	04/02/24 20:13	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/28/24 08:01	04/02/24 10:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**16000**		200	200	mg/L			03/28/24 16:47	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**280**		5.0	5.0	mg/L			04/04/24 11:32	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**280**		5.0	5.0	mg/L			04/04/24 11:32	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/04/24 11:32	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.55**				SU			03/25/24 17:05	1

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

Job ID: 180-171486-1

Client Sample ID: APMW-3D

Date Collected: 03/26/24 10:29
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-13

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22		1.0	0.71	mg/L			04/01/24 18:56	1
Fluoride	0.18	J	0.20	0.026	mg/L			04/01/24 18:56	1
Sulfate	5.6		1.0	0.76	mg/L			04/01/24 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.016		0.030	0.016	mg/L		04/02/24 07:10	04/02/24 20:16	1
Antimony	<0.00097		0.0020	0.00097	mg/L		04/02/24 07:10	04/02/24 20:16	1
Arsenic	0.0039		0.0010	0.00028	mg/L		04/02/24 07:10	04/02/24 20:16	1
Barium	0.17		0.010	0.0031	mg/L		04/02/24 07:10	04/02/24 20:16	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/18/24 10:45	04/19/24 15:19	1
Boron	0.14		0.080	0.060	mg/L		04/18/24 10:45	04/19/24 15:19	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/24 07:10	04/02/24 20:16	1
Calcium	13		0.50	0.13	mg/L		04/02/24 07:10	04/02/24 20:16	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/24 07:10	04/02/24 20:16	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		04/02/24 07:10	04/02/24 20:16	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/02/24 07:10	04/02/24 20:16	1
Lithium	0.014		0.0050	0.0013	mg/L		04/02/24 07:10	04/02/24 20:16	1
Molybdenum	0.00078	J	0.015	0.00061	mg/L		04/02/24 07:10	04/02/24 20:16	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/02/24 07:10	04/02/24 20:16	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/02/24 07:10	04/02/24 20:16	1
Iron	1.5		0.050	0.028	mg/L		04/02/24 07:10	04/02/24 20:16	1
Potassium	2.4		0.50	0.16	mg/L		04/02/24 07:10	04/02/24 20:16	1
Magnesium	2.9		0.50	0.050	mg/L		04/02/24 07:10	04/02/24 20:16	1
Manganese	0.11		0.0050	0.0013	mg/L		04/02/24 07:10	04/02/24 20:16	1
Sodium	35		0.50	0.18	mg/L		04/02/24 07:10	04/11/24 18:12	1
Silicon	26		2.5	0.31	mg/L		04/02/24 07:10	04/11/24 19:00	5
Strontium	0.40		0.0050	0.0017	mg/L		04/02/24 07:10	04/02/24 20:16	1
SiO2, Silica	55		5.4	0.76	mg/L		04/02/24 07:10	04/11/24 19:00	5

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/28/24 08:01	04/02/24 10:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	180		10	10	mg/L			03/29/24 19:38	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	87		5.0	5.0	mg/L			04/04/24 11:37	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	87		5.0	5.0	mg/L			04/04/24 11:37	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/04/24 11:37	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.61				SU			03/26/24 10:29	1

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

Job ID: 180-171486-1

Client Sample ID: APMW-4

Date Collected: 03/26/24 14:12
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-14

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2100**		50	36	mg/L			04/01/24 18:37	50
Fluoride	**0.44**	**J**	1.0	0.13	mg/L			04/01/24 18:19	5
Sulfate	**170**		5.0	3.8	mg/L			04/01/24 18:19	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.016		0.030	0.016	mg/L		04/02/24 07:10	04/02/24 20:18	1
Antimony	<0.00097		0.0020	0.00097	mg/L		04/02/24 07:10	04/02/24 20:18	1
Arsenic	**0.0041**		0.0010	0.00028	mg/L		04/02/24 07:10	04/02/24 20:18	1
Barium	**0.14**		0.010	0.0031	mg/L		04/02/24 07:10	04/02/24 20:18	1
Beryllium	<0.00027	^+	0.0025	0.00027	mg/L		04/02/24 07:10	04/02/24 20:18	1
Boron	**0.92**	**F1**	0.40	0.30	mg/L		04/18/24 10:45	04/19/24 15:52	5
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/24 07:10	04/02/24 20:18	1
Calcium	**96**		0.50	0.13	mg/L		04/02/24 07:10	04/02/24 20:18	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/24 07:10	04/02/24 20:18	1
Cobalt	**0.0022**	**J**	0.0025	0.00026	mg/L		04/02/24 07:10	04/02/24 20:18	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/02/24 07:10	04/02/24 20:18	1
Lithium	**0.042**		0.0050	0.0013	mg/L		04/02/24 07:10	04/02/24 20:18	1
Molybdenum	**0.0029**	**J**	0.015	0.00061	mg/L		04/02/24 07:10	04/02/24 20:18	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/02/24 07:10	04/02/24 20:18	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/02/24 07:10	04/02/24 20:18	1
Iron	**2.3**		0.050	0.028	mg/L		04/02/24 07:10	04/02/24 20:18	1
Potassium	**43**		0.50	0.16	mg/L		04/02/24 07:10	04/02/24 20:18	1
Magnesium	**120**		0.50	0.050	mg/L		04/02/24 07:10	04/02/24 20:18	1
Manganese	**1.3**		0.0050	0.0013	mg/L		04/02/24 07:10	04/02/24 20:18	1
Sodium	**1100**		2.5	0.92	mg/L		04/02/24 07:10	04/11/24 19:03	5
Silicon	**14**		2.5	0.31	mg/L		04/02/24 07:10	04/11/24 19:03	5
Strontium	**1.6**		0.0050	0.0017	mg/L		04/02/24 07:10	04/02/24 20:18	1
SiO2, Silica	**30**		5.4	0.76	mg/L		04/02/24 07:10	04/11/24 19:03	5

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/28/24 08:01	04/02/24 11:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**3900**		40	40	mg/L			03/29/24 19:38	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**190**		5.0	5.0	mg/L			04/04/24 11:50	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**190**		5.0	5.0	mg/L			04/04/24 11:50	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/04/24 11:50	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.33**				SU			03/26/24 14:12	1

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

Job ID: 180-171486-1

Client Sample ID: APMW-6R

Date Collected: 03/26/24 16:00
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-15

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3500		50	36	mg/L			04/01/24 16:46	50
Fluoride	<0.13		1.0	0.13	mg/L			04/01/24 16:28	5
Sulfate	770		5.0	3.8	mg/L			04/01/24 16:28	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.018	J	0.030	0.016	mg/L		04/02/24 07:10	04/02/24 20:21	1
Antimony	<0.00097		0.0020	0.00097	mg/L		04/02/24 07:10	04/02/24 20:21	1
Arsenic	0.30		0.0010	0.00028	mg/L		04/02/24 07:10	04/02/24 20:21	1
Barium	0.042		0.010	0.0031	mg/L		04/02/24 07:10	04/02/24 20:21	1
Beryllium	<0.00027	^+	0.0025	0.00027	mg/L		04/02/24 07:10	04/02/24 20:21	1
Boron	13		1.6	1.2	mg/L		04/18/24 10:45	04/19/24 15:55	20
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/24 07:10	04/02/24 20:21	1
Calcium	340		0.50	0.13	mg/L		04/02/24 07:10	04/02/24 20:21	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/24 07:10	04/02/24 20:21	1
Cobalt	0.0036		0.0025	0.00026	mg/L		04/02/24 07:10	04/02/24 20:21	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/02/24 07:10	04/02/24 20:21	1
Lithium	0.058		0.0050	0.0013	mg/L		04/02/24 07:10	04/02/24 20:21	1
Molybdenum	0.70		0.015	0.00061	mg/L		04/02/24 07:10	04/02/24 20:21	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/02/24 07:10	04/02/24 20:21	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/02/24 07:10	04/02/24 20:21	1
Iron	200		0.050	0.028	mg/L		04/02/24 07:10	04/02/24 20:21	1
Potassium	18		0.50	0.16	mg/L		04/02/24 07:10	04/02/24 20:21	1
Magnesium	120		0.50	0.050	mg/L		04/02/24 07:10	04/02/24 20:21	1
Manganese	4.1		0.0050	0.0013	mg/L		04/02/24 07:10	04/02/24 20:21	1
Sodium	1900		2.5	0.92	mg/L		04/02/24 07:10	04/11/24 19:05	5
Silicon	16		2.5	0.31	mg/L		04/02/24 07:10	04/11/24 19:05	5
Strontium	3.3		0.0050	0.0017	mg/L		04/02/24 07:10	04/02/24 20:21	1
SiO2, Silica	35		5.4	0.76	mg/L		04/02/24 07:10	04/11/24 19:05	5

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/28/24 08:01	04/02/24 11:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	7300		100	100	mg/L			03/29/24 19:38	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	52		5.0	5.0	mg/L			04/04/24 12:00	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	52		5.0	5.0	mg/L			04/04/24 12:00	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/04/24 12:00	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.12				SU			03/26/24 16:00	1

Client Sample ID: APMW-4D

Date Collected: 03/26/24 12:09
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-16

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7500**		100	71	mg/L			04/01/24 14:37	100
Fluoride	**0.29**	**J**	2.0	0.26	mg/L			04/01/24 14:19	10
Sulfate	**710**		10	7.6	mg/L			04/01/24 14:19	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.016		0.030	0.016	mg/L		04/02/24 07:10	04/02/24 20:24	1
Antimony	<0.00097		0.0020	0.00097	mg/L		04/02/24 07:10	04/02/24 20:24	1
Arsenic	**0.0033**		0.0010	0.00028	mg/L		04/02/24 07:10	04/02/24 20:24	1
Barium	**0.082**		0.010	0.0031	mg/L		04/02/24 07:10	04/02/24 20:24	1
Beryllium	<0.00027	^+	0.0025	0.00027	mg/L		04/02/24 07:10	04/02/24 20:24	1
Boron	**4.6**		0.80	0.60	mg/L		04/18/24 10:45	04/19/24 15:58	10
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/24 07:10	04/02/24 20:24	1
Calcium	**220**		0.50	0.13	mg/L		04/02/24 07:10	04/02/24 20:24	1
Chromium	**0.0066**		0.0020	0.0015	mg/L		04/02/24 07:10	04/02/24 20:24	1
Cobalt	**0.0078**		0.0025	0.00026	mg/L		04/02/24 07:10	04/02/24 20:24	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/02/24 07:10	04/02/24 20:24	1
Lithium	**0.072**		0.0050	0.0013	mg/L		04/02/24 07:10	04/02/24 20:24	1
Molybdenum	**0.16**		0.015	0.00061	mg/L		04/02/24 07:10	04/02/24 20:24	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/02/24 07:10	04/02/24 20:24	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/02/24 07:10	04/02/24 20:24	1
Iron	**5.0**		0.050	0.028	mg/L		04/02/24 07:10	04/02/24 20:24	1
Potassium	**140**		0.50	0.16	mg/L		04/02/24 07:10	04/02/24 20:24	1
Magnesium	**410**		0.50	0.050	mg/L		04/02/24 07:10	04/02/24 20:24	1
Manganese	**0.54**		0.0050	0.0013	mg/L		04/02/24 07:10	04/02/24 20:24	1
Sodium	**4200**		5.0	1.8	mg/L		04/02/24 07:10	04/11/24 19:08	10
Silicon	**8.9**		0.50	0.062	mg/L		04/02/24 07:10	04/02/24 20:24	1
Strontium	**4.8**		0.0050	0.0017	mg/L		04/02/24 07:10	04/02/24 20:24	1
SiO2, Silica	**19**		1.1	0.15	mg/L		04/02/24 07:10	04/02/24 20:24	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/28/24 08:01	04/02/24 11:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**14000**		200	200	mg/L			03/29/24 19:38	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**400**		5.0	5.0	mg/L			04/04/24 12:05	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**400**		5.0	5.0	mg/L			04/04/24 12:05	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/04/24 12:05	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.76**				SU			03/26/24 12:09	1

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

Job ID: 180-171486-1

Client Sample ID: APMW-6D

Date Collected: 03/28/24 11:06
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-1

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**42**		1.0	0.71	mg/L			04/06/24 01:11	1
Fluoride	**0.20**		0.20	0.026	mg/L			04/06/24 01:11	1
Sulfate	**18**		1.0	0.76	mg/L			04/06/24 01:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.016		0.030	0.016	mg/L		04/04/24 07:55	04/04/24 21:52	1
Antimony	<0.00097		0.0020	0.00097	mg/L		04/04/24 07:55	04/04/24 21:52	1
Arsenic	**0.0051**		0.0010	0.00028	mg/L		04/04/24 07:55	04/04/24 21:52	1
Barium	**0.19**		0.010	0.0031	mg/L		04/04/24 07:55	04/04/24 21:52	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/04/24 07:55	04/04/24 21:52	1
Boron	**0.076**	**J**	0.080	0.060	mg/L		04/04/24 07:55	04/08/24 19:14	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/04/24 07:55	04/04/24 21:52	1
Calcium	**22**		0.50	0.13	mg/L		04/04/24 07:55	04/04/24 21:52	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/04/24 07:55	04/04/24 21:52	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		04/04/24 07:55	04/04/24 21:52	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/04/24 07:55	04/04/24 21:52	1
Lithium	**0.012**		0.0050	0.0013	mg/L		04/04/24 07:55	04/04/24 21:52	1
Molybdenum	**0.0023**	**J**	0.015	0.00061	mg/L		04/04/24 07:55	04/04/24 21:52	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/04/24 07:55	04/04/24 21:52	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/04/24 07:55	04/04/24 21:52	1
Iron	**1.6**		0.050	0.028	mg/L		04/04/24 07:55	04/04/24 21:52	1
Potassium	**4.0**		0.50	0.16	mg/L		04/04/24 07:55	04/04/24 21:52	1
Magnesium	**2.2**		0.50	0.050	mg/L		04/04/24 07:55	04/04/24 21:52	1
Manganese	**0.18**		0.0050	0.0013	mg/L		04/04/24 07:55	04/04/24 21:52	1
Sodium	**45**		0.50	0.18	mg/L		04/04/24 07:55	04/04/24 21:52	1
Silicon	**17**		2.5	0.31	mg/L		04/04/24 07:55	04/08/24 16:50	5
Strontium	**0.44**		0.0050	0.0017	mg/L		04/04/24 07:55	04/04/24 21:52	1
SiO2, Silica	**36**		5.4	0.76	mg/L		04/04/24 07:55	04/08/24 16:50	5

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 11:46	04/04/24 10:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**210**		10	10	mg/L			04/04/24 17:19	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**95**		5.0	5.0	mg/L			04/08/24 14:47	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**95**		5.0	5.0	mg/L			04/08/24 14:47	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/08/24 14:47	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.99**				SU			03/28/24 11:06	1

Client Sample ID: APMW-8

Date Collected: 03/28/24 12:34
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-2

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3600**		50	36	mg/L			04/06/24 03:01	50
Fluoride	**0.97**	**J**	1.0	0.13	mg/L			04/06/24 02:43	5
Sulfate	**630**		5.0	3.8	mg/L			04/06/24 02:43	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.016		0.030	0.016	mg/L		04/04/24 07:55	04/04/24 21:54	1
Antimony	<0.00097		0.0020	0.00097	mg/L		04/04/24 07:55	04/04/24 21:54	1
Arsenic	**0.019**		0.0010	0.00028	mg/L		04/04/24 07:55	04/04/24 21:54	1
Barium	**0.23**		0.010	0.0031	mg/L		04/04/24 07:55	04/04/24 21:54	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/04/24 07:55	04/04/24 21:54	1
Boron	**21**		4.0	3.0	mg/L		04/04/24 07:55	04/08/24 19:17	50
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/04/24 07:55	04/04/24 21:54	1
Calcium	**520**		0.50	0.13	mg/L		04/04/24 07:55	04/04/24 21:54	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/04/24 07:55	04/04/24 21:54	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		04/04/24 07:55	04/04/24 21:54	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/04/24 07:55	04/04/24 21:54	1
Lithium	**0.076**		0.0050	0.0013	mg/L		04/04/24 07:55	04/04/24 21:54	1
Molybdenum	**0.14**		0.015	0.00061	mg/L		04/04/24 07:55	04/04/24 21:54	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/04/24 07:55	04/04/24 21:54	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/04/24 07:55	04/04/24 21:54	1
Iron	**2.6**		0.050	0.028	mg/L		04/04/24 07:55	04/04/24 21:54	1
Potassium	**91**		0.50	0.16	mg/L		04/04/24 07:55	04/04/24 21:54	1
Magnesium	**86**		0.50	0.050	mg/L		04/04/24 07:55	04/04/24 21:54	1
Manganese	**0.12**		0.0050	0.0013	mg/L		04/04/24 07:55	04/04/24 21:54	1
Sodium	**1800**		2.5	0.92	mg/L		04/04/24 07:55	04/08/24 16:53	5
Silicon	**7.4**		0.50	0.062	mg/L		04/04/24 07:55	04/04/24 21:54	1
Strontium	**5.8**		0.0050	0.0017	mg/L		04/04/24 07:55	04/04/24 21:54	1
SiO2, Silica	**16**		1.1	0.15	mg/L		04/04/24 07:55	04/04/24 21:54	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 11:46	04/04/24 11:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**7600**		100	100	mg/L			04/04/24 17:19	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**340**		5.0	5.0	mg/L			04/08/24 14:51	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**340**		5.0	5.0	mg/L			04/08/24 14:51	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/08/24 14:51	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.78**				SU			03/28/24 12:34	1

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

Job ID: 180-171486-1

Client Sample ID: DUP-03
Date Collected: 03/28/24 11:34
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-3
Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3700		50	36	mg/L			04/06/24 05:29	50
Fluoride	0.94	J	1.0	0.13	mg/L			04/06/24 05:11	5
Sulfate	610		5.0	3.8	mg/L			04/06/24 05:11	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.016		0.030	0.016	mg/L		04/04/24 07:55	04/04/24 21:57	1
Antimony	<0.00097		0.0020	0.00097	mg/L		04/04/24 07:55	04/04/24 21:57	1
Arsenic	0.020		0.0010	0.00028	mg/L		04/04/24 07:55	04/04/24 21:57	1
Barium	0.23		0.010	0.0031	mg/L		04/04/24 07:55	04/04/24 21:57	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/04/24 07:55	04/04/24 21:57	1
Boron	24		4.0	3.0	mg/L		04/04/24 07:55	04/08/24 19:19	50
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/04/24 07:55	04/04/24 21:57	1
Calcium	520		0.50	0.13	mg/L		04/04/24 07:55	04/04/24 21:57	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/04/24 07:55	04/04/24 21:57	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		04/04/24 07:55	04/04/24 21:57	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/04/24 07:55	04/04/24 21:57	1
Lithium	0.077		0.0050	0.0013	mg/L		04/04/24 07:55	04/04/24 21:57	1
Molybdenum	0.14		0.015	0.00061	mg/L		04/04/24 07:55	04/04/24 21:57	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/04/24 07:55	04/04/24 21:57	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/04/24 07:55	04/04/24 21:57	1
Iron	2.7		0.050	0.028	mg/L		04/04/24 07:55	04/04/24 21:57	1
Potassium	93		0.50	0.16	mg/L		04/04/24 07:55	04/04/24 21:57	1
Magnesium	87		0.50	0.050	mg/L		04/04/24 07:55	04/04/24 21:57	1
Manganese	0.12		0.0050	0.0013	mg/L		04/04/24 07:55	04/04/24 21:57	1
Sodium	1900		2.5	0.92	mg/L		04/04/24 07:55	04/08/24 16:56	5
Silicon	7.5		0.50	0.062	mg/L		04/04/24 07:55	04/04/24 21:57	1
Strontium	6.0		0.0050	0.0017	mg/L		04/04/24 07:55	04/04/24 21:57	1
SiO2, Silica	16		1.1	0.15	mg/L		04/04/24 07:55	04/04/24 21:57	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 11:46	04/04/24 11:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	7600		100	100	mg/L			04/04/24 17:19	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	340		5.0	5.0	mg/L			04/08/24 14:57	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	340		5.0	5.0	mg/L			04/08/24 14:57	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/08/24 14:57	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.78				SU			03/28/24 11:34	1

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

Job ID: 180-171486-1

Client Sample ID: APMW-9

Date Collected: 03/28/24 18:53
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-4

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2800**		50	36	mg/L			04/06/24 02:25	50
Fluoride	**0.13**	**J**	1.0	0.13	mg/L			04/06/24 02:06	5
Sulfate	**170**		5.0	3.8	mg/L			04/06/24 02:06	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.016		0.030	0.016	mg/L		04/04/24 07:55	04/04/24 22:06	1
Antimony	<0.00097		0.0020	0.00097	mg/L		04/04/24 07:55	04/04/24 22:06	1
Arsenic	**0.0012**		0.0010	0.00028	mg/L		04/04/24 07:55	04/04/24 22:06	1
Barium	**0.64**		0.010	0.0031	mg/L		04/04/24 07:55	04/04/24 22:06	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/04/24 07:55	04/04/24 22:06	1
Boron	**7.8**		1.6	1.2	mg/L		04/04/24 07:55	04/08/24 19:22	20
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/04/24 07:55	04/04/24 22:06	1
Calcium	**290**		0.50	0.13	mg/L		04/04/24 07:55	04/04/24 22:06	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/04/24 07:55	04/04/24 22:06	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		04/04/24 07:55	04/04/24 22:06	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/04/24 07:55	04/04/24 22:06	1
Lithium	**0.0031**	**J**	0.0050	0.0013	mg/L		04/04/24 07:55	04/04/24 22:06	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/04/24 07:55	04/04/24 22:06	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/04/24 07:55	04/04/24 22:06	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/04/24 07:55	04/04/24 22:06	1
Iron	**31**		0.050	0.028	mg/L		04/04/24 07:55	04/04/24 22:06	1
Potassium	**71**		0.50	0.16	mg/L		04/04/24 07:55	04/04/24 22:06	1
Magnesium	**83**		0.50	0.050	mg/L		04/04/24 07:55	04/04/24 22:06	1
Manganese	**0.28**		0.0050	0.0013	mg/L		04/04/24 07:55	04/04/24 22:06	1
Sodium	**1200**		5.0	1.8	mg/L		04/04/24 07:55	04/08/24 16:59	10
Silicon	**4.2**		0.50	0.062	mg/L		04/04/24 07:55	04/04/24 22:06	1
Strontium	**2.4**		0.0050	0.0017	mg/L		04/04/24 07:55	04/04/24 22:06	1
SiO2, Silica	**9.0**		1.1	0.15	mg/L		04/04/24 07:55	04/04/24 22:06	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 11:46	04/04/24 11:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**5100**		50	50	mg/L			04/04/24 17:19	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**280**		5.0	5.0	mg/L			04/08/24 15:11	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**280**		5.0	5.0	mg/L			04/08/24 15:11	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/08/24 15:11	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.3**				SU			03/28/24 18:53	1

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

Job ID: 180-171486-1

Client Sample ID: FB-02

Date Collected: 03/28/24 18:16
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-5

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/05/24 23:57	1
Fluoride	<0.026		0.20	0.026	mg/L			04/05/24 23:57	1
Sulfate	<0.76		1.0	0.76	mg/L			04/05/24 23:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.016		0.030	0.016	mg/L		04/04/24 07:55	04/04/24 22:08	1
Antimony	<0.00097		0.0020	0.00097	mg/L		04/04/24 07:55	04/04/24 22:08	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		04/04/24 07:55	04/04/24 22:08	1
Barium	<0.0031		0.010	0.0031	mg/L		04/04/24 07:55	04/04/24 22:08	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/04/24 07:55	04/04/24 22:08	1
Boron	<0.060		0.080	0.060	mg/L		04/04/24 07:55	04/08/24 19:25	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/04/24 07:55	04/04/24 22:08	1
Calcium	<0.13		0.50	0.13	mg/L		04/04/24 07:55	04/04/24 22:08	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/04/24 07:55	04/04/24 22:08	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		04/04/24 07:55	04/04/24 22:08	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/04/24 07:55	04/04/24 22:08	1
Lithium	<0.0013		0.0050	0.0013	mg/L		04/04/24 07:55	04/04/24 22:08	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/04/24 07:55	04/04/24 22:08	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/04/24 07:55	04/04/24 22:08	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/04/24 07:55	04/04/24 22:08	1
Iron	<0.028		0.050	0.028	mg/L		04/04/24 07:55	04/04/24 22:08	1
Potassium	<0.16		0.50	0.16	mg/L		04/04/24 07:55	04/04/24 22:08	1
Magnesium	<0.050		0.50	0.050	mg/L		04/04/24 07:55	04/04/24 22:08	1
Manganese	<0.0013		0.0050	0.0013	mg/L		04/04/24 07:55	04/04/24 22:08	1
Sodium	**0.31**	**J**	0.50	0.18	mg/L		04/04/24 07:55	04/04/24 22:08	1
Silicon	<0.062		0.50	0.062	mg/L		04/04/24 07:55	04/04/24 22:08	1
Strontium	<0.0017		0.0050	0.0017	mg/L		04/04/24 07:55	04/04/24 22:08	1
SiO2, Silica	<0.15		1.1	0.15	mg/L		04/04/24 07:55	04/04/24 22:08	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 11:46	04/04/24 11:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10		10	10	mg/L			04/04/24 17:19	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/10/24 10:49	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/10/24 10:49	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/10/24 10:49	1

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

Job ID: 180-171486-1

Client Sample ID: EB-02
Date Collected: 03/28/24 18:28
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-6
Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/06/24 00:15	1
Fluoride	<0.026		0.20	0.026	mg/L			04/06/24 00:15	1
Sulfate	<0.76		1.0	0.76	mg/L			04/06/24 00:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.016		0.030	0.016	mg/L		04/04/24 07:55	04/04/24 22:11	1
Antimony	<0.00097		0.0020	0.00097	mg/L		04/04/24 07:55	04/04/24 22:11	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		04/04/24 07:55	04/04/24 22:11	1
Barium	<0.0031		0.010	0.0031	mg/L		04/04/24 07:55	04/04/24 22:11	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/04/24 07:55	04/04/24 22:11	1
Boron	<0.060		0.080	0.060	mg/L		04/04/24 07:55	04/08/24 19:28	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/04/24 07:55	04/04/24 22:11	1
Calcium	<0.13		0.50	0.13	mg/L		04/04/24 07:55	04/04/24 22:11	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/04/24 07:55	04/04/24 22:11	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		04/04/24 07:55	04/04/24 22:11	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/04/24 07:55	04/04/24 22:11	1
Lithium	<0.0013		0.0050	0.0013	mg/L		04/04/24 07:55	04/04/24 22:11	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/04/24 07:55	04/04/24 22:11	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/04/24 07:55	04/04/24 22:11	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/04/24 07:55	04/04/24 22:11	1
Iron	<0.028		0.050	0.028	mg/L		04/04/24 07:55	04/04/24 22:11	1
Potassium	<0.16		0.50	0.16	mg/L		04/04/24 07:55	04/04/24 22:11	1
Magnesium	<0.050		0.50	0.050	mg/L		04/04/24 07:55	04/04/24 22:11	1
Manganese	<0.0013		0.0050	0.0013	mg/L		04/04/24 07:55	04/04/24 22:11	1
Sodium	**0.20**	**J**	0.50	0.18	mg/L		04/04/24 07:55	04/04/24 22:11	1
Silicon	<0.062		0.50	0.062	mg/L		04/04/24 07:55	04/04/24 22:11	1
Strontium	<0.0017		0.0050	0.0017	mg/L		04/04/24 07:55	04/04/24 22:11	1
SiO2, Silica	<0.15		1.1	0.15	mg/L		04/04/24 07:55	04/04/24 22:11	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 11:46	04/04/24 11:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10		10	10	mg/L			04/04/24 17:19	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/10/24 10:56	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/10/24 10:56	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/10/24 10:56	1

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

Job ID: 180-171486-1

Client Sample ID: APMW-10

Date Collected: 03/29/24 09:20
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-7

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**570**		10	7.1	mg/L			04/06/24 03:38	10
Fluoride	**0.75**		0.20	0.026	mg/L			04/06/24 03:20	1
Sulfate	<0.76		1.0	0.76	mg/L			04/06/24 03:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.016		0.030	0.016	mg/L		04/04/24 07:55	04/05/24 12:39	1
Antimony	<0.00097	^5+	0.0020	0.00097	mg/L		04/04/24 07:55	04/05/24 12:39	1
Arsenic	**0.032**		0.0010	0.00028	mg/L		04/04/24 07:55	04/05/24 12:39	1
Barium	**0.34**	**^5+**	0.010	0.0031	mg/L		04/04/24 07:55	04/05/24 12:39	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/04/24 07:55	04/05/24 12:39	1
Boron	**2.4**		0.080	0.060	mg/L		04/04/24 07:55	04/17/24 12:50	1
Cadmium	<0.00022	^5+	0.0025	0.00022	mg/L		04/04/24 07:55	04/05/24 12:39	1
Calcium	**45**	**^5- F1**	0.50	0.13	mg/L		04/04/24 07:55	04/11/24 20:30	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/04/24 07:55	04/05/24 12:39	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		04/04/24 07:55	04/05/24 12:39	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/04/24 07:55	04/05/24 12:39	1
Lithium	**0.0083**		0.0050	0.0013	mg/L		04/04/24 07:55	04/05/24 12:39	1
Molybdenum	**0.027**		0.015	0.00061	mg/L		04/04/24 07:55	04/05/24 12:39	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/04/24 07:55	04/05/24 12:39	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/04/24 07:55	04/05/24 12:39	1
Iron	**7.3**		0.050	0.028	mg/L		04/04/24 07:55	04/05/24 12:39	1
Potassium	**24**		0.50	0.16	mg/L		04/04/24 07:55	04/05/24 12:39	1
Magnesium	**34**		0.50	0.050	mg/L		04/04/24 07:55	04/05/24 12:39	1
Manganese	**0.092**		0.0050	0.0013	mg/L		04/04/24 07:55	04/05/24 12:39	1
Sodium	**450**		0.50	0.18	mg/L		04/04/24 07:55	04/05/24 12:39	1
Silicon	**7.0**		0.50	0.062	mg/L		04/04/24 07:55	04/05/24 12:39	1
Strontium	**0.45**		0.0050	0.0017	mg/L		04/04/24 07:55	04/05/24 12:39	1
SiO2, Silica	**15**		1.1	0.15	mg/L		04/04/24 07:55	04/05/24 12:39	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 11:46	04/04/24 11:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1400**		20	20	mg/L			04/04/24 17:36	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**500**		5.0	5.0	mg/L			04/10/24 10:59	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**500**		5.0	5.0	mg/L			04/10/24 10:59	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/10/24 10:59	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.83**				SU			03/29/24 09:20	1

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

Job ID: 180-171486-1

Client Sample ID: DUP-04
Date Collected: 03/29/24 08:20
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-8
Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**550**		10	7.1	mg/L			04/06/24 04:52	10
Fluoride	**0.74**		0.20	0.026	mg/L			04/06/24 03:57	1
Sulfate	<0.76		1.0	0.76	mg/L			04/06/24 03:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.016		0.030	0.016	mg/L		04/04/24 07:55	04/05/24 12:58	1
Antimony	<0.00097	^5+	0.0020	0.00097	mg/L		04/04/24 07:55	04/05/24 12:58	1
Arsenic	**0.033**		0.0010	0.00028	mg/L		04/04/24 07:55	04/05/24 12:58	1
Barium	**0.34**	**^5+**	0.010	0.0031	mg/L		04/04/24 07:55	04/05/24 12:58	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/04/24 07:55	04/05/24 12:58	1
Boron	**2.4**		0.080	0.060	mg/L		04/04/24 07:55	04/25/24 10:20	1
Cadmium	<0.00022	^5+	0.0025	0.00022	mg/L		04/04/24 07:55	04/05/24 12:58	1
Calcium	**45**	**^5-**	0.50	0.13	mg/L		04/04/24 07:55	04/11/24 20:49	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/04/24 07:55	04/05/24 12:58	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		04/04/24 07:55	04/05/24 12:58	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/04/24 07:55	04/05/24 12:58	1
Lithium	**0.0081**		0.0050	0.0013	mg/L		04/04/24 07:55	04/05/24 12:58	1
Molybdenum	**0.028**		0.015	0.00061	mg/L		04/04/24 07:55	04/05/24 12:58	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/04/24 07:55	04/05/24 12:58	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/04/24 07:55	04/05/24 12:58	1
Iron	**7.4**		0.050	0.028	mg/L		04/04/24 07:55	04/05/24 12:58	1
Potassium	**24**		0.50	0.16	mg/L		04/04/24 07:55	04/05/24 12:58	1
Magnesium	**35**		0.50	0.050	mg/L		04/04/24 07:55	04/05/24 12:58	1
Manganese	**0.092**		0.0050	0.0013	mg/L		04/04/24 07:55	04/05/24 12:58	1
Sodium	**470**		0.50	0.18	mg/L		04/04/24 07:55	04/05/24 12:58	1
Silicon	**7.2**		0.50	0.062	mg/L		04/04/24 07:55	04/05/24 12:58	1
Strontium	**0.46**		0.0050	0.0017	mg/L		04/04/24 07:55	04/05/24 12:58	1
SiO2, Silica	**15**		1.1	0.15	mg/L		04/04/24 07:55	04/05/24 12:58	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 11:46	04/04/24 11:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1400**		20	20	mg/L			04/04/24 17:36	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**500**		5.0	5.0	mg/L			04/10/24 11:06	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**500**		5.0	5.0	mg/L			04/10/24 11:06	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/10/24 11:06	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.83**				SU			03/29/24 08:20	1

Client Sample ID: APMW-10D

Date Collected: 03/29/24 11:02
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-9

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.2**		1.0	0.71	mg/L			04/05/24 16:49	1
Fluoride	**0.22**		0.20	0.026	mg/L			04/12/24 20:04	1
Sulfate	**4.6**		1.0	0.76	mg/L			04/05/24 16:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.041**		0.030	0.016	mg/L		04/04/24 07:55	04/05/24 13:01	1
Antimony	<0.00097	^5+	0.0020	0.00097	mg/L		04/04/24 07:55	04/05/24 13:01	1
Arsenic	**0.0070**		0.0010	0.00028	mg/L		04/04/24 07:55	04/05/24 13:01	1
Barium	**0.025**	**^5+**	0.010	0.0031	mg/L		04/04/24 07:55	04/05/24 13:01	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/04/24 07:55	04/05/24 13:01	1
Boron	**0.17**	**^5-**	0.080	0.060	mg/L		04/04/24 07:55	04/11/24 20:51	1
Cadmium	<0.00022	^5+	0.0025	0.00022	mg/L		04/04/24 07:55	04/05/24 13:01	1
Calcium	**2.6**	**^5-**	0.50	0.13	mg/L		04/04/24 07:55	04/11/24 20:51	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/04/24 07:55	04/05/24 13:01	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		04/04/24 07:55	04/05/24 13:01	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/04/24 07:55	04/05/24 13:01	1
Lithium	**0.012**		0.0050	0.0013	mg/L		04/04/24 07:55	04/05/24 13:01	1
Molybdenum	**0.0027**	**J**	0.015	0.00061	mg/L		04/04/24 07:55	04/05/24 13:01	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/04/24 07:55	04/05/24 13:01	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/04/24 07:55	04/05/24 13:01	1
Iron	**0.030**	**J**	0.050	0.028	mg/L		04/04/24 07:55	04/05/24 13:01	1
Potassium	**1.4**		0.50	0.16	mg/L		04/04/24 07:55	04/05/24 13:01	1
Magnesium	**0.30**	**J**	0.50	0.050	mg/L		04/04/24 07:55	04/05/24 13:01	1
Manganese	**0.0098**		0.0050	0.0013	mg/L		04/04/24 07:55	04/05/24 13:01	1
Sodium	**52**		0.50	0.18	mg/L		04/04/24 07:55	04/05/24 13:01	1
Silicon	**7.9**		0.50	0.062	mg/L		04/04/24 07:55	04/05/24 13:01	1
Strontium	**0.049**		0.0050	0.0017	mg/L		04/04/24 07:55	04/05/24 13:01	1
SiO2, Silica	**17**		1.1	0.15	mg/L		04/04/24 07:55	04/05/24 13:01	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 11:46	04/04/24 11:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**130**		10	10	mg/L			04/04/24 17:36	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**120**		5.0	5.0	mg/L			04/11/24 10:47	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**120**		5.0	5.0	mg/L			04/11/24 10:47	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/11/24 10:47	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.91**				SU			03/29/24 11:02	1

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

Job ID: 180-171486-1

Client Sample ID: APMW-16

Date Collected: 03/28/24 11:33
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-10

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2900**		50	36	mg/L			04/06/24 06:06	50
Fluoride	**0.36**	**J**	1.0	0.13	mg/L			04/06/24 05:48	5
Sulfate	**95**		5.0	3.8	mg/L			04/06/24 05:48	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.016		0.030	0.016	mg/L		04/04/24 07:55	04/05/24 13:04	1
Antimony	<0.00097	^5+	0.0020	0.00097	mg/L		04/04/24 07:55	04/05/24 13:04	1
Arsenic	**0.0012**		0.0010	0.00028	mg/L		04/04/24 07:55	04/05/24 13:04	1
Barium	**0.067**	**^5+**	0.010	0.0031	mg/L		04/04/24 07:55	04/05/24 13:04	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/04/24 07:55	04/05/24 13:04	1
Boron	**1.0**		0.080	0.060	mg/L		04/04/24 07:55	04/17/24 12:59	1
Cadmium	<0.00022	^5+	0.0025	0.00022	mg/L		04/04/24 07:55	04/05/24 13:04	1
Calcium	**75**	**^5-**	5.0	1.3	mg/L		04/04/24 07:55	04/11/24 21:10	10
Chromium	<0.0015		0.0020	0.0015	mg/L		04/04/24 07:55	04/05/24 13:04	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		04/04/24 07:55	04/05/24 13:04	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/04/24 07:55	04/05/24 13:04	1
Lithium	**0.0077**		0.0050	0.0013	mg/L		04/04/24 07:55	04/05/24 13:04	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/04/24 07:55	04/05/24 13:04	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/04/24 07:55	04/05/24 13:04	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/04/24 07:55	04/05/24 13:04	1
Iron	<0.028		0.050	0.028	mg/L		04/04/24 07:55	04/05/24 13:04	1
Potassium	**53**		0.50	0.16	mg/L		04/04/24 07:55	04/05/24 13:04	1
Magnesium	**190**		0.50	0.050	mg/L		04/04/24 07:55	04/05/24 13:04	1
Manganese	**0.23**		0.0050	0.0013	mg/L		04/04/24 07:55	04/05/24 13:04	1
Sodium	**1600**		5.0	1.8	mg/L		04/04/24 07:55	04/11/24 21:10	10
Silicon	**16**		5.0	0.62	mg/L		04/04/24 07:55	04/11/24 21:10	10
Strontium	**1.4**		0.0050	0.0017	mg/L		04/04/24 07:55	04/05/24 13:04	1
SiO2, Silica	**34**		11	1.5	mg/L		04/04/24 07:55	04/11/24 21:10	10

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 11:46	04/04/24 11:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**5100**		50	50	mg/L			04/04/24 17:19	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**370**		5.0	5.0	mg/L			04/10/24 11:13	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**370**		5.0	5.0	mg/L			04/10/24 11:13	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/10/24 11:13	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.41**				SU			03/28/24 11:33	1

Client Sample ID: APMW-15

Date Collected: 03/28/24 13:52
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-11

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2800**		50	36	mg/L			04/06/24 06:43	50
Fluoride	**0.29**	**J**	1.0	0.13	mg/L			04/06/24 06:25	5
Sulfate	**97**		5.0	3.8	mg/L			04/06/24 06:25	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.016		0.030	0.016	mg/L		04/04/24 07:55	04/05/24 13:07	1
Antimony	<0.00097	^5+	0.0020	0.00097	mg/L		04/04/24 07:55	04/05/24 13:07	1
Arsenic	**0.00094**	**J**	0.0010	0.00028	mg/L		04/04/24 07:55	04/05/24 13:07	1
Barium	**0.036**	**^5+**	0.010	0.0031	mg/L		04/04/24 07:55	04/05/24 13:07	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/04/24 07:55	04/05/24 13:07	1
Boron	**0.86**		0.080	0.060	mg/L		04/04/24 07:55	04/17/24 13:02	1
Cadmium	<0.00022	^5+	0.0025	0.00022	mg/L		04/04/24 07:55	04/05/24 13:07	1
Calcium	**58**	**^5-**	5.0	1.3	mg/L		04/04/24 07:55	04/11/24 21:18	10
Chromium	<0.0015		0.0020	0.0015	mg/L		04/04/24 07:55	04/05/24 13:07	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		04/04/24 07:55	04/05/24 13:07	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/04/24 07:55	04/05/24 13:07	1
Lithium	**0.0091**		0.0050	0.0013	mg/L		04/04/24 07:55	04/05/24 13:07	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/04/24 07:55	04/05/24 13:07	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/04/24 07:55	04/05/24 13:07	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/04/24 07:55	04/05/24 13:07	1
Iron	<0.028		0.050	0.028	mg/L		04/04/24 07:55	04/05/24 13:07	1
Potassium	**50**		0.50	0.16	mg/L		04/04/24 07:55	04/05/24 13:07	1
Magnesium	**160**		0.50	0.050	mg/L		04/04/24 07:55	04/05/24 13:07	1
Manganese	**0.15**		0.0050	0.0013	mg/L		04/04/24 07:55	04/05/24 13:07	1
Sodium	**1500**		5.0	1.8	mg/L		04/04/24 07:55	04/11/24 21:18	10
Silicon	**15**		5.0	0.62	mg/L		04/04/24 07:55	04/11/24 21:18	10
Strontium	**1.4**		0.0050	0.0017	mg/L		04/04/24 07:55	04/05/24 13:07	1
SiO2, Silica	**32**		11	1.5	mg/L		04/04/24 07:55	04/11/24 21:18	10

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 11:46	04/04/24 11:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**4900**		50	50	mg/L			04/04/24 17:19	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**320**		5.0	5.0	mg/L			04/09/24 13:59	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**320**		5.0	5.0	mg/L			04/09/24 13:59	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/09/24 13:59	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.37**				SU			03/28/24 13:52	1

Client Sample ID: APMW-14

Date Collected: 03/28/24 16:06
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-12

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3000**		50	36	mg/L			04/05/24 18:33	50
Fluoride	<0.13		1.0	0.13	mg/L			04/12/24 20:22	5
Sulfate	**770**		5.0	3.8	mg/L			04/05/24 18:18	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.016		0.030	0.016	mg/L		04/04/24 07:55	04/05/24 13:10	1
Antimony	<0.00097	^5+	0.0020	0.00097	mg/L		04/04/24 07:55	04/05/24 13:10	1
Arsenic	**0.00029**	**J**	0.0010	0.00028	mg/L		04/04/24 07:55	04/05/24 13:10	1
Barium	**0.21**	**^5+**	0.010	0.0031	mg/L		04/04/24 07:55	04/05/24 13:10	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/04/24 07:55	04/05/24 13:10	1
Boron	**0.84**	**^5-**	0.80	0.60	mg/L		04/04/24 07:55	04/11/24 21:21	10
Cadmium	<0.00022	^5+	0.0025	0.00022	mg/L		04/04/24 07:55	04/05/24 13:10	1
Calcium	**130**	**^5-**	5.0	1.3	mg/L		04/04/24 07:55	04/11/24 21:21	10
Chromium	<0.0015		0.0020	0.0015	mg/L		04/04/24 07:55	04/05/24 13:10	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		04/04/24 07:55	04/05/24 13:10	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/04/24 07:55	04/05/24 13:10	1
Lithium	**0.0022**	**J**	0.0050	0.0013	mg/L		04/04/24 07:55	04/05/24 13:10	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/04/24 07:55	04/05/24 13:10	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/04/24 07:55	04/05/24 13:10	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/04/24 07:55	04/05/24 13:10	1
Iron	**38**		0.050	0.028	mg/L		04/04/24 07:55	04/05/24 13:10	1
Potassium	**58**		0.50	0.16	mg/L		04/04/24 07:55	04/05/24 13:10	1
Magnesium	**250**		0.50	0.050	mg/L		04/04/24 07:55	04/05/24 13:10	1
Manganese	**0.92**		0.0050	0.0013	mg/L		04/04/24 07:55	04/05/24 13:10	1
Sodium	**1700**		5.0	1.8	mg/L		04/04/24 07:55	04/11/24 21:21	10
Silicon	**5.0**		0.50	0.062	mg/L		04/04/24 07:55	04/05/24 13:10	1
Strontium	**2.2**		0.0050	0.0017	mg/L		04/04/24 07:55	04/05/24 13:10	1
SiO2, Silica	**11**		1.1	0.15	mg/L		04/04/24 07:55	04/05/24 13:10	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 11:46	04/04/24 11:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**6100**		67	67	mg/L			04/04/24 17:19	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**150**		5.0	5.0	mg/L			04/10/24 11:19	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**150**		5.0	5.0	mg/L			04/10/24 11:19	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/10/24 11:19	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.06**				SU			03/28/24 16:06	1

Client Sample ID: APMW-13

Date Collected: 03/29/24 10:15
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-13

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1400**		25	18	mg/L			04/05/24 19:03	25
Fluoride	**0.16**	**J**	0.50	0.065	mg/L			04/12/24 20:41	2.5
Sulfate	**890**		25	19	mg/L			04/05/24 19:03	25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.016		0.030	0.016	mg/L		04/04/24 07:55	04/05/24 13:13	1
Antimony	<0.00097	^5+	0.0020	0.00097	mg/L		04/04/24 07:55	04/05/24 13:13	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		04/04/24 07:55	04/05/24 13:13	1
Barium	**0.20**	**^5+**	0.010	0.0031	mg/L		04/04/24 07:55	04/05/24 13:13	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/04/24 07:55	04/05/24 13:13	1
Boron	**0.54**	**^5-**	0.40	0.30	mg/L		04/04/24 07:55	04/11/24 21:23	5
Cadmium	<0.00022	^5+	0.0025	0.00022	mg/L		04/04/24 07:55	04/05/24 13:13	1
Calcium	**100**	**^5-**	2.5	0.64	mg/L		04/04/24 07:55	04/11/24 21:23	5
Chromium	<0.0015		0.0020	0.0015	mg/L		04/04/24 07:55	04/05/24 13:13	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		04/04/24 07:55	04/05/24 13:13	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/04/24 07:55	04/05/24 13:13	1
Lithium	**0.0037**	**J**	0.0050	0.0013	mg/L		04/04/24 07:55	04/05/24 13:13	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/04/24 07:55	04/05/24 13:13	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/04/24 07:55	04/05/24 13:13	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/04/24 07:55	04/05/24 13:13	1
Iron	**42**		0.050	0.028	mg/L		04/04/24 07:55	04/05/24 13:13	1
Potassium	**46**		0.50	0.16	mg/L		04/04/24 07:55	04/05/24 13:13	1
Magnesium	**180**		0.50	0.050	mg/L		04/04/24 07:55	04/05/24 13:13	1
Manganese	**1.4**		0.0050	0.0013	mg/L		04/04/24 07:55	04/05/24 13:13	1
Sodium	**880**		2.5	0.92	mg/L		04/04/24 07:55	04/11/24 21:23	5
Silicon	**11**		2.5	0.31	mg/L		04/04/24 07:55	04/11/24 21:23	5
Strontium	**1.6**		0.0050	0.0017	mg/L		04/04/24 07:55	04/05/24 13:13	1
SiO2, Silica	**24**		5.4	0.76	mg/L		04/04/24 07:55	04/11/24 21:23	5

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 11:46	04/04/24 11:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**3500**		40	40	mg/L			04/04/24 17:36	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**170**		5.0	5.0	mg/L			04/10/24 13:22	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**170**		5.0	5.0	mg/L			04/10/24 13:22	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/10/24 13:22	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.01**				SU			03/29/24 10:15	1

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

Job ID: 180-171486-1

Client Sample ID: APMW-11

Date Collected: 03/29/24 12:55
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-14

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.7**		1.0	0.71	mg/L			04/05/24 17:34	1
Fluoride	**0.049**	**J**	0.20	0.026	mg/L			04/12/24 20:59	1
Sulfate	<0.76		1.0	0.76	mg/L			04/05/24 17:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.016		0.030	0.016	mg/L		04/04/24 07:55	04/05/24 13:16	1
Antimony	<0.00097	^5+	0.0020	0.00097	mg/L		04/04/24 07:55	04/05/24 13:16	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		04/04/24 07:55	04/05/24 13:16	1
Barium	**0.037**	**^5+**	0.010	0.0031	mg/L		04/04/24 07:55	04/05/24 13:16	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/04/24 07:55	04/05/24 13:16	1
Boron	<0.060	^5-	0.080	0.060	mg/L		04/04/24 07:55	04/11/24 21:05	1
Cadmium	<0.00022	^5+	0.0025	0.00022	mg/L		04/04/24 07:55	04/05/24 13:16	1
Calcium	**13**	**^5-**	0.50	0.13	mg/L		04/04/24 07:55	04/11/24 21:05	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/04/24 07:55	04/05/24 13:16	1
Cobalt	**0.00079**	**J**	0.0025	0.00026	mg/L		04/04/24 07:55	04/05/24 13:16	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/04/24 07:55	04/05/24 13:16	1
Lithium	**0.010**		0.0050	0.0013	mg/L		04/04/24 07:55	04/05/24 13:16	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/04/24 07:55	04/05/24 13:16	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/04/24 07:55	04/05/24 13:16	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/04/24 07:55	04/05/24 13:16	1
Iron	**2.0**		0.050	0.028	mg/L		04/04/24 07:55	04/05/24 13:16	1
Potassium	**1.3**		0.50	0.16	mg/L		04/04/24 07:55	04/05/24 13:16	1
Magnesium	**1.5**		0.50	0.050	mg/L		04/04/24 07:55	04/05/24 13:16	1
Manganese	**0.041**		0.0050	0.0013	mg/L		04/04/24 07:55	04/05/24 13:16	1
Sodium	**8.1**		0.50	0.18	mg/L		04/04/24 07:55	04/05/24 13:16	1
Silicon	**14**		2.5	0.31	mg/L		04/04/24 07:55	04/11/24 21:26	5
Strontium	**0.043**		0.0050	0.0017	mg/L		04/04/24 07:55	04/05/24 13:16	1
SiO2, Silica	**29**		5.4	0.76	mg/L		04/04/24 07:55	04/11/24 21:26	5

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 11:46	04/04/24 11:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**87**		10	10	mg/L			04/04/24 17:36	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**44**		5.0	5.0	mg/L			04/10/24 13:27	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**44**		5.0	5.0	mg/L			04/10/24 13:27	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/10/24 13:27	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.11**				SU			03/29/24 12:55	1

Client Sample Results

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

Job ID: 180-171486-1

Client Sample ID: APMW-12

Date Collected: 03/29/24 14:18
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-15

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13**		1.0	0.71	mg/L			04/06/24 07:02	1
Fluoride	**0.070**	**J**	0.20	0.026	mg/L			04/06/24 07:02	1
Sulfate	<0.76		1.0	0.76	mg/L			04/06/24 07:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.016		0.030	0.016	mg/L		04/04/24 07:55	04/05/24 13:19	1
Antimony	<0.00097	^5+	0.0020	0.00097	mg/L		04/04/24 07:55	04/05/24 13:19	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		04/04/24 07:55	04/05/24 13:19	1
Barium	**0.065**	**^5+**	0.010	0.0031	mg/L		04/04/24 07:55	04/05/24 13:19	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/04/24 07:55	04/05/24 13:19	1
Boron	<0.060	^5-	0.080	0.060	mg/L		04/04/24 07:55	04/11/24 21:07	1
Cadmium	<0.00022	^5+	0.0025	0.00022	mg/L		04/04/24 07:55	04/05/24 13:19	1
Calcium	**13**	**^5-**	0.50	0.13	mg/L		04/04/24 07:55	04/11/24 21:07	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/04/24 07:55	04/05/24 13:19	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		04/04/24 07:55	04/05/24 13:19	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/04/24 07:55	04/05/24 13:19	1
Lithium	**0.015**		0.0050	0.0013	mg/L		04/04/24 07:55	04/05/24 13:19	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/04/24 07:55	04/05/24 13:19	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/04/24 07:55	04/05/24 13:19	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/04/24 07:55	04/05/24 13:19	1
Iron	**3.7**		0.050	0.028	mg/L		04/04/24 07:55	04/05/24 13:19	1
Potassium	**1.7**		0.50	0.16	mg/L		04/04/24 07:55	04/05/24 13:19	1
Magnesium	**2.4**		0.50	0.050	mg/L		04/04/24 07:55	04/05/24 13:19	1
Manganese	**0.097**		0.0050	0.0013	mg/L		04/04/24 07:55	04/05/24 13:19	1
Sodium	**17**		0.50	0.18	mg/L		04/04/24 07:55	04/05/24 13:19	1
Silicon	**21**		2.5	0.31	mg/L		04/04/24 07:55	04/11/24 21:28	5
Strontium	**0.063**		0.0050	0.0017	mg/L		04/04/24 07:55	04/05/24 13:19	1
SiO2, Silica	**45**		5.4	0.76	mg/L		04/04/24 07:55	04/11/24 21:28	5

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 11:46	04/04/24 11:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**120**		10	10	mg/L			04/04/24 17:36	1
Total Alkalinity as CaCO3 to pH 4.5 (SM18 SM2320 B)	**62**		5.0	5.0	mg/L			04/10/24 13:32	1
Bicarbonate Alkalinity as CaCO3 (SM18 SM2320 B)	**62**		5.0	5.0	mg/L			04/10/24 13:32	1
Carbonate Alkalinity as CaCO3 (SM18 SM2320 B)	<5.0		5.0	5.0	mg/L			04/10/24 13:32	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.11**				SU			03/29/24 14:18	1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 180-464012/6
Matrix: Water
Analysis Batch: 464012

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			03/30/24 11:33	1
Fluoride	<0.026		0.20	0.026	mg/L			03/30/24 11:33	1
Sulfate	<0.76		1.0	0.76	mg/L			03/30/24 11:33	1

Lab Sample ID: LCS 180-464012/7
Matrix: Water
Analysis Batch: 464012

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	47.9		mg/L		96	90 - 110
Fluoride	2.50	2.56		mg/L		102	90 - 110
Sulfate	50.0	47.3		mg/L		95	90 - 110

Lab Sample ID: 180-171486-2 MS
Matrix: Water
Analysis Batch: 464012

Client Sample ID: APMW-2D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	4.6		50.0	51.3		mg/L		93	90 - 110
Fluoride	0.19	J	2.50	2.71		mg/L		101	90 - 110
Sulfate	3.7		50.0	50.4		mg/L		93	90 - 110

Lab Sample ID: 180-171486-2 MSD
Matrix: Water
Analysis Batch: 464012

Client Sample ID: APMW-2D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	4.6		50.0	52.2		mg/L		95	90 - 110	2	20
Fluoride	0.19	J	2.50	2.69		mg/L		100	90 - 110	1	20
Sulfate	3.7		50.0	50.7		mg/L		94	90 - 110	1	20

Lab Sample ID: MB 180-464085/6
Matrix: Water
Analysis Batch: 464085

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/01/24 12:14	1
Fluoride	<0.026		0.20	0.026	mg/L			04/01/24 12:14	1
Sulfate	<0.76		1.0	0.76	mg/L			04/01/24 12:14	1

Lab Sample ID: LCS 180-464085/7
Matrix: Water
Analysis Batch: 464085

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	47.1		mg/L		94	90 - 110
Fluoride	2.50	2.42		mg/L		97	90 - 110
Sulfate	50.0	46.7		mg/L		93	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 180-171486-10 MS
Matrix: Water
Analysis Batch: 464085

Client Sample ID: APMW-8D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	7.9		50.0	55.0		mg/L		94	90 - 110
Fluoride	0.11	J	2.50	2.57		mg/L		98	90 - 110
Sulfate	5.7		50.0	53.3		mg/L		95	90 - 110

Lab Sample ID: 180-171486-10 MSD
Matrix: Water
Analysis Batch: 464085

Client Sample ID: APMW-8D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	7.9		50.0	55.4		mg/L		95	90 - 110	1	20
Fluoride	0.11	J	2.50	2.58		mg/L		99	90 - 110	1	20
Sulfate	5.7		50.0	53.4		mg/L		95	90 - 110	0	20

Lab Sample ID: MB 180-464602/6
Matrix: Water
Analysis Batch: 464602

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/05/24 12:23	1
Fluoride	<0.026		0.20	0.026	mg/L			04/05/24 12:23	1
Sulfate	<0.76		1.0	0.76	mg/L			04/05/24 12:23	1

Lab Sample ID: LCS 180-464602/7
Matrix: Water
Analysis Batch: 464602

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	50.2		mg/L		100	90 - 110
Fluoride	2.50	2.65		mg/L		106	90 - 110
Sulfate	50.0	48.9		mg/L		98	90 - 110

Lab Sample ID: 180-171665-9 MS
Matrix: Water
Analysis Batch: 464602

Client Sample ID: APMW-10D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	4.2		50.0	53.3		mg/L		98	90 - 110
Sulfate	4.6		50.0	53.3		mg/L		97	90 - 110

Lab Sample ID: 180-171665-9 MSD
Matrix: Water
Analysis Batch: 464602

Client Sample ID: APMW-10D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	4.2		50.0	54.5		mg/L		101	90 - 110	2	20
Sulfate	4.6		50.0	53.9		mg/L		99	90 - 110	1	20

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 180-464603/6
Matrix: Water
Analysis Batch: 464603

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/05/24 13:14	1
Fluoride	<0.026		0.20	0.026	mg/L			04/05/24 13:14	1
Sulfate	<0.76		1.0	0.76	mg/L			04/05/24 13:14	1

Lab Sample ID: LCS 180-464603/7
Matrix: Water
Analysis Batch: 464603

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	49.2		mg/L		98	90 - 110
Fluoride	2.50	2.63		mg/L		105	90 - 110
Sulfate	50.0	48.7		mg/L		97	90 - 110

Lab Sample ID: 180-171665-1 MS
Matrix: Water
Analysis Batch: 464603

Client Sample ID: APMW-6D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	42		50.0	87.8		mg/L		92	90 - 110
Fluoride	0.20		2.50	2.69		mg/L		99	90 - 110
Sulfate	18		50.0	64.9		mg/L		94	90 - 110

Lab Sample ID: 180-171665-1 MSD
Matrix: Water
Analysis Batch: 464603

Client Sample ID: APMW-6D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	42		50.0	88.4		mg/L		94	90 - 110	1	20
Fluoride	0.20		2.50	2.71		mg/L		100	90 - 110	1	20
Sulfate	18		50.0	65.1		mg/L		95	90 - 110	0	20

Lab Sample ID: MB 180-465213/6
Matrix: Water
Analysis Batch: 465213

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/12/24 12:40	1
Fluoride	<0.026		0.20	0.026	mg/L			04/12/24 12:40	1
Sulfate	<0.76		1.0	0.76	mg/L			04/12/24 12:40	1

Lab Sample ID: LCS 180-465213/7
Matrix: Water
Analysis Batch: 465213

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	48.6		mg/L		97	90 - 110
Fluoride	2.50	2.47		mg/L		99	90 - 110
Sulfate	50.0	47.9		mg/L		96	90 - 110

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

Lab Sample ID: MB 180-464093/1-A
Matrix: Water
Analysis Batch: 464464

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 464093

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.0186	J	0.030	0.016	mg/L		04/02/24 07:10	04/03/24 18:48	1
Antimony	<0.00097		0.0020	0.00097	mg/L		04/02/24 07:10	04/03/24 18:48	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		04/02/24 07:10	04/03/24 18:48	1
Barium	<0.0031		0.010	0.0031	mg/L		04/02/24 07:10	04/03/24 18:48	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/02/24 07:10	04/03/24 18:48	1
Boron	<0.060	^+	0.080	0.060	mg/L		04/02/24 07:10	04/03/24 18:48	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/24 07:10	04/03/24 18:48	1
Calcium	<0.13		0.50	0.13	mg/L		04/02/24 07:10	04/03/24 18:48	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/24 07:10	04/03/24 18:48	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		04/02/24 07:10	04/03/24 18:48	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/02/24 07:10	04/03/24 18:48	1
Lithium	<0.0013		0.0050	0.0013	mg/L		04/02/24 07:10	04/03/24 18:48	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/02/24 07:10	04/03/24 18:48	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/02/24 07:10	04/03/24 18:48	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/02/24 07:10	04/03/24 18:48	1
Iron	<0.028		0.050	0.028	mg/L		04/02/24 07:10	04/03/24 18:48	1
Potassium	<0.16		0.50	0.16	mg/L		04/02/24 07:10	04/03/24 18:48	1
Magnesium	<0.050		0.50	0.050	mg/L		04/02/24 07:10	04/03/24 18:48	1
Manganese	<0.0013		0.0050	0.0013	mg/L		04/02/24 07:10	04/03/24 18:48	1
Sodium	<0.18		0.50	0.18	mg/L		04/02/24 07:10	04/03/24 18:48	1
Silicon	<0.062		0.50	0.062	mg/L		04/02/24 07:10	04/03/24 18:48	1
Strontium	<0.0017		0.0050	0.0017	mg/L		04/02/24 07:10	04/03/24 18:48	1
SiO2, Silica	<0.15		1.1	0.15	mg/L		04/02/24 07:10	04/03/24 18:48	1

Lab Sample ID: LCS 180-464093/2-A
Matrix: Water
Analysis Batch: 464464

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 464093

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5.00	5.02		mg/L		100	80 - 120
Antimony	0.250	0.253		mg/L		101	80 - 120
Arsenic	1.00	1.01		mg/L		101	80 - 120
Barium	1.00	0.979		mg/L		98	80 - 120
Beryllium	0.500	0.491		mg/L		98	80 - 120
Cadmium	0.500	0.489		mg/L		98	80 - 120
Calcium	25.0	26.4		mg/L		106	80 - 120
Chromium	0.500	0.488		mg/L		98	80 - 120
Cobalt	0.500	0.493		mg/L		99	80 - 120
Lead	0.500	0.513		mg/L		103	80 - 120
Lithium	0.500	0.490		mg/L		98	80 - 120
Molybdenum	0.500	0.514		mg/L		103	80 - 120
Selenium	1.00	0.985		mg/L		99	80 - 120
Thallium	1.00	1.03		mg/L		103	80 - 120
Iron	5.00	5.13		mg/L		103	80 - 120
Potassium	25.0	25.2		mg/L		101	80 - 120
Magnesium	25.0	25.3		mg/L		101	80 - 120
Manganese	0.500	0.492		mg/L		98	80 - 120
Sodium	25.0	26.4		mg/L		105	80 - 120
Silicon	1.00	0.958		mg/L		96	80 - 120

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

Lab Sample ID: LCS 180-464093/2-A
Matrix: Water
Analysis Batch: 464464

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 464093

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Strontium	0.500	0.508		mg/L		102	80 - 120

Lab Sample ID: MB 180-464094/1-A
Matrix: Water
Analysis Batch: 464306

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 464094

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.016		0.030	0.016	mg/L		04/02/24 07:10	04/02/24 19:34	1
Antimony	<0.00097		0.0020	0.00097	mg/L		04/02/24 07:10	04/02/24 19:34	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		04/02/24 07:10	04/02/24 19:34	1
Barium	<0.0031		0.010	0.0031	mg/L		04/02/24 07:10	04/02/24 19:34	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/24 07:10	04/02/24 19:34	1
Calcium	<0.13		0.50	0.13	mg/L		04/02/24 07:10	04/02/24 19:34	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/24 07:10	04/02/24 19:34	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		04/02/24 07:10	04/02/24 19:34	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/02/24 07:10	04/02/24 19:34	1
Lithium	<0.0013		0.0050	0.0013	mg/L		04/02/24 07:10	04/02/24 19:34	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/02/24 07:10	04/02/24 19:34	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/02/24 07:10	04/02/24 19:34	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/02/24 07:10	04/02/24 19:34	1
Iron	<0.028		0.050	0.028	mg/L		04/02/24 07:10	04/02/24 19:34	1
Potassium	<0.16		0.50	0.16	mg/L		04/02/24 07:10	04/02/24 19:34	1
Magnesium	<0.050		0.50	0.050	mg/L		04/02/24 07:10	04/02/24 19:34	1
Manganese	<0.0013		0.0050	0.0013	mg/L		04/02/24 07:10	04/02/24 19:34	1
Sodium	<0.18		0.50	0.18	mg/L		04/02/24 07:10	04/02/24 19:34	1
Silicon	<0.062		0.50	0.062	mg/L		04/02/24 07:10	04/02/24 19:34	1
Strontium	<0.0017		0.0050	0.0017	mg/L		04/02/24 07:10	04/02/24 19:34	1
SiO2, Silica	<0.15		1.1	0.15	mg/L		04/02/24 07:10	04/02/24 19:34	1

Lab Sample ID: MB 180-464094/1-A
Matrix: Water
Analysis Batch: 465179

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 464094

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/02/24 07:10	04/11/24 17:18	1
Boron	<0.060	^5-	0.080	0.060	mg/L		04/02/24 07:10	04/11/24 17:18	1

Lab Sample ID: LCS 180-464094/2-A
Matrix: Water
Analysis Batch: 464306

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 464094

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5.00	4.81		mg/L		96	80 - 120
Antimony	0.250	0.269		mg/L		108	80 - 120
Arsenic	1.00	1.05		mg/L		105	80 - 120
Barium	1.00	1.00		mg/L		100	80 - 120
Cadmium	0.500	0.508		mg/L		102	80 - 120
Calcium	25.0	26.8		mg/L		107	80 - 120
Chromium	0.500	0.492		mg/L		98	80 - 120

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

Lab Sample ID: LCS 180-464094/2-A
Matrix: Water
Analysis Batch: 464306

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 464094

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cobalt	0.500	0.520		mg/L		104	80 - 120
Lead	0.500	0.513		mg/L		103	80 - 120
Lithium	0.500	0.533		mg/L		107	80 - 120
Molybdenum	0.500	0.514		mg/L		103	80 - 120
Selenium	1.00	0.985		mg/L		99	80 - 120
Thallium	1.00	1.06		mg/L		106	80 - 120
Iron	5.00	5.35		mg/L		107	80 - 120
Potassium	25.0	25.6		mg/L		102	80 - 120
Magnesium	25.0	24.7		mg/L		99	80 - 120
Manganese	0.500	0.498		mg/L		100	80 - 120
Sodium	25.0	26.1		mg/L		105	80 - 120
Silicon	1.00	0.923		mg/L		92	80 - 120
Strontium	0.500	0.519		mg/L		104	80 - 120

Lab Sample ID: LCS 180-464094/2-A
Matrix: Water
Analysis Batch: 465179

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 464094

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	0.500	0.502		mg/L		100	80 - 120
Boron	0.250	0.267	^5-	mg/L		107	80 - 120

Lab Sample ID: 180-171486-6 MS
Matrix: Water
Analysis Batch: 464306

Client Sample ID: EB-01
Prep Type: Total Recoverable
Prep Batch: 464094

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	<0.016		5.00	4.81		mg/L		96	75 - 125
Antimony	<0.00097		0.250	0.267		mg/L		107	75 - 125
Arsenic	<0.00028		1.00	1.05		mg/L		105	75 - 125
Barium	<0.0031		1.00	0.996		mg/L		100	75 - 125
Cadmium	<0.00022		0.500	0.504		mg/L		101	75 - 125
Calcium	<0.13		25.0	26.6		mg/L		107	75 - 125
Chromium	<0.0015		0.500	0.487		mg/L		97	75 - 125
Cobalt	<0.00026		0.500	0.517		mg/L		103	75 - 125
Lead	<0.00038		0.500	0.512		mg/L		102	75 - 125
Lithium	<0.0013		0.500	0.524		mg/L		105	75 - 125
Molybdenum	<0.00061		0.500	0.510		mg/L		102	75 - 125
Selenium	<0.00074		1.00	0.976		mg/L		98	75 - 125
Thallium	<0.00047		1.00	1.05		mg/L		105	75 - 125
Iron	<0.028		5.00	5.20		mg/L		104	75 - 125
Potassium	<0.16		25.0	25.8		mg/L		103	75 - 125
Magnesium	<0.050		25.0	24.9		mg/L		100	75 - 125
Manganese	<0.0013		0.500	0.496		mg/L		99	75 - 125
Sodium	0.40	J	25.0	27.9		mg/L		110	75 - 125
Silicon	<0.062		1.00	0.906		mg/L		91	75 - 125
Strontium	<0.0017		0.500	0.519		mg/L		104	75 - 125

Method: EPA 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 180-171486-6 MS
Matrix: Water
Analysis Batch: 465179

Client Sample ID: EB-01
Prep Type: Total Recoverable
Prep Batch: 464094

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Beryllium	<0.00027		0.500	0.533		mg/L		107	75 - 125		
Boron	<0.060	^5-	0.250	0.269	^5-	mg/L		107	75 - 125		

Lab Sample ID: 180-171486-6 MSD
Matrix: Water
Analysis Batch: 464306

Client Sample ID: EB-01
Prep Type: Total Recoverable
Prep Batch: 464094

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	<0.016		5.00	4.89		mg/L		98	75 - 125	2	20
Antimony	<0.00097		0.250	0.269		mg/L		108	75 - 125	1	20
Arsenic	<0.00028		1.00	1.06		mg/L		106	75 - 125	1	20
Barium	<0.0031		1.00	1.01		mg/L		101	75 - 125	2	20
Cadmium	<0.00022		0.500	0.513		mg/L		103	75 - 125	2	20
Calcium	<0.13		25.0	26.9		mg/L		108	75 - 125	1	20
Chromium	<0.0015		0.500	0.495		mg/L		99	75 - 125	2	20
Cobalt	<0.00026		0.500	0.524		mg/L		105	75 - 125	1	20
Lead	<0.00038		0.500	0.516		mg/L		103	75 - 125	1	20
Lithium	<0.0013		0.500	0.534		mg/L		107	75 - 125	2	20
Molybdenum	<0.00061		0.500	0.519		mg/L		104	75 - 125	2	20
Selenium	<0.00074		1.00	0.988		mg/L		99	75 - 125	1	20
Thallium	<0.00047		1.00	1.07		mg/L		107	75 - 125	2	20
Iron	<0.028		5.00	5.27		mg/L		105	75 - 125	1	20
Potassium	<0.16		25.0	26.2		mg/L		105	75 - 125	2	20
Magnesium	<0.050		25.0	25.0		mg/L		100	75 - 125	1	20
Manganese	<0.0013		0.500	0.503		mg/L		101	75 - 125	2	20
Sodium	0.40	J	25.0	26.6		mg/L		105	75 - 125	5	20
Silicon	<0.062		1.00	0.922		mg/L		92	75 - 125	2	20
Strontium	<0.0017		0.500	0.522		mg/L		104	75 - 125	1	20

Lab Sample ID: 180-171486-6 MSD
Matrix: Water
Analysis Batch: 465179

Client Sample ID: EB-01
Prep Type: Total Recoverable
Prep Batch: 464094

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Beryllium	<0.00027		0.500	0.454		mg/L		91	75 - 125	16	20
Boron	<0.060	^5-	0.250	0.222	^5-	mg/L		89	75 - 125	19	20

Lab Sample ID: MB 180-464358/1-A
Matrix: Water
Analysis Batch: 464597

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 464358

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.016		0.030	0.016	mg/L		04/04/24 07:55	04/04/24 21:01	1
Antimony	<0.00097		0.0020	0.00097	mg/L		04/04/24 07:55	04/04/24 21:01	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		04/04/24 07:55	04/04/24 21:01	1
Barium	<0.0031		0.010	0.0031	mg/L		04/04/24 07:55	04/04/24 21:01	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/04/24 07:55	04/04/24 21:01	1
Boron	<0.060		0.080	0.060	mg/L		04/04/24 07:55	04/04/24 21:01	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/04/24 07:55	04/04/24 21:01	1

Method: EPA 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 180-464358/1-A
Matrix: Water
Analysis Batch: 464597

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 464358

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	<0.13		0.50	0.13	mg/L		04/04/24 07:55	04/04/24 21:01	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/04/24 07:55	04/04/24 21:01	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		04/04/24 07:55	04/04/24 21:01	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/04/24 07:55	04/04/24 21:01	1
Lithium	<0.0013		0.0050	0.0013	mg/L		04/04/24 07:55	04/04/24 21:01	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/04/24 07:55	04/04/24 21:01	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/04/24 07:55	04/04/24 21:01	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/04/24 07:55	04/04/24 21:01	1
Iron	<0.028		0.050	0.028	mg/L		04/04/24 07:55	04/04/24 21:01	1
Potassium	<0.16		0.50	0.16	mg/L		04/04/24 07:55	04/04/24 21:01	1
Magnesium	<0.050		0.50	0.050	mg/L		04/04/24 07:55	04/04/24 21:01	1
Manganese	<0.0013		0.0050	0.0013	mg/L		04/04/24 07:55	04/04/24 21:01	1
Sodium	<0.18		0.50	0.18	mg/L		04/04/24 07:55	04/04/24 21:01	1
Silicon	<0.062		0.50	0.062	mg/L		04/04/24 07:55	04/04/24 21:01	1
Strontium	<0.0017		0.0050	0.0017	mg/L		04/04/24 07:55	04/04/24 21:01	1
SiO2, Silica	<0.15		1.1	0.15	mg/L		04/04/24 07:55	04/04/24 21:01	1

Lab Sample ID: LCS 180-464358/2-A
Matrix: Water
Analysis Batch: 464597

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 464358

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5.00	5.09		mg/L		102	80 - 120
Antimony	0.250	0.278		mg/L		111	80 - 120
Arsenic	1.00	1.05		mg/L		105	80 - 120
Barium	1.00	1.04		mg/L		104	80 - 120
Beryllium	0.500	0.478		mg/L		96	80 - 120
Boron	0.250	0.230		mg/L		92	80 - 120
Cadmium	0.500	0.519		mg/L		104	80 - 120
Calcium	25.0	27.6		mg/L		110	80 - 120
Chromium	0.500	0.509		mg/L		102	80 - 120
Cobalt	0.500	0.507		mg/L		101	80 - 120
Lead	0.500	0.525		mg/L		105	80 - 120
Lithium	0.500	0.514		mg/L		103	80 - 120
Molybdenum	0.500	0.530		mg/L		106	80 - 120
Selenium	1.00	1.03		mg/L		103	80 - 120
Thallium	1.00	1.08		mg/L		108	80 - 120
Iron	5.00	5.42		mg/L		108	80 - 120
Potassium	25.0	25.3		mg/L		101	80 - 120
Magnesium	25.0	25.4		mg/L		102	80 - 120
Manganese	0.500	0.519		mg/L		104	80 - 120
Sodium	25.0	25.9		mg/L		103	80 - 120
Silicon	1.00	1.05		mg/L		105	80 - 120
Strontium	0.500	0.517		mg/L		103	80 - 120

Method: EPA 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 180-464361/1-A
Matrix: Water
Analysis Batch: 464629

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 464361

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.016		0.030	0.016	mg/L		04/04/24 07:55	04/05/24 12:33	1
Antimony	<0.00097	^5+	0.0020	0.00097	mg/L		04/04/24 07:55	04/05/24 12:33	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		04/04/24 07:55	04/05/24 12:33	1
Barium	<0.0031	^5+	0.010	0.0031	mg/L		04/04/24 07:55	04/05/24 12:33	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/04/24 07:55	04/05/24 12:33	1
Cadmium	<0.00022	^5+	0.0025	0.00022	mg/L		04/04/24 07:55	04/05/24 12:33	1
Calcium	<0.13		0.50	0.13	mg/L		04/04/24 07:55	04/05/24 12:33	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/04/24 07:55	04/05/24 12:33	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		04/04/24 07:55	04/05/24 12:33	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/04/24 07:55	04/05/24 12:33	1
Lithium	<0.0013		0.0050	0.0013	mg/L		04/04/24 07:55	04/05/24 12:33	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/04/24 07:55	04/05/24 12:33	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/04/24 07:55	04/05/24 12:33	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/04/24 07:55	04/05/24 12:33	1
Iron	<0.028		0.050	0.028	mg/L		04/04/24 07:55	04/05/24 12:33	1
Potassium	<0.16		0.50	0.16	mg/L		04/04/24 07:55	04/05/24 12:33	1
Magnesium	<0.050		0.50	0.050	mg/L		04/04/24 07:55	04/05/24 12:33	1
Manganese	<0.0013		0.0050	0.0013	mg/L		04/04/24 07:55	04/05/24 12:33	1
Sodium	<0.18		0.50	0.18	mg/L		04/04/24 07:55	04/05/24 12:33	1
Silicon	<0.062		0.50	0.062	mg/L		04/04/24 07:55	04/05/24 12:33	1
Strontium	<0.0017		0.0050	0.0017	mg/L		04/04/24 07:55	04/05/24 12:33	1
SiO2, Silica	<0.15		1.1	0.15	mg/L		04/04/24 07:55	04/05/24 12:33	1

Lab Sample ID: MB 180-464361/1-A
Matrix: Water
Analysis Batch: 465179

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 464361

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.060	^5-	0.080	0.060	mg/L		04/04/24 07:55	04/11/24 20:25	1

Lab Sample ID: LCS 180-464361/2-A
Matrix: Water
Analysis Batch: 464629

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 464361

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5.00	4.93		mg/L		99	80 - 120
Antimony	0.250	0.271	^5+	mg/L		108	80 - 120
Arsenic	1.00	1.05		mg/L		105	80 - 120
Barium	1.00	1.00	^5+	mg/L		100	80 - 120
Beryllium	0.500	0.533		mg/L		107	80 - 120
Cadmium	0.500	0.507	^5+	mg/L		101	80 - 120
Chromium	0.500	0.522		mg/L		104	80 - 120
Cobalt	0.500	0.496		mg/L		99	80 - 120
Lead	0.500	0.509		mg/L		102	80 - 120
Lithium	0.500	0.508		mg/L		102	80 - 120
Molybdenum	0.500	0.541		mg/L		108	80 - 120
Selenium	1.00	1.01		mg/L		101	80 - 120
Thallium	1.00	0.987		mg/L		99	80 - 120
Iron	5.00	4.92		mg/L		98	80 - 120

Method: EPA 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 180-464361/2-A
Matrix: Water
Analysis Batch: 464629

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 464361

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Potassium	25.0	26.4		mg/L		106	80 - 120
Magnesium	25.0	24.4		mg/L		98	80 - 120
Manganese	0.500	0.505		mg/L		101	80 - 120
Sodium	25.0	25.5		mg/L		102	80 - 120
Silicon	1.00	1.04		mg/L		104	80 - 120
Strontium	0.500	0.521		mg/L		104	80 - 120

Lab Sample ID: LCS 180-464361/2-A
Matrix: Water
Analysis Batch: 465179

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 464361

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.250	0.265	^5-	mg/L		106	80 - 120
Calcium	25.0	29.7	^5-	mg/L		119	80 - 120

Lab Sample ID: 180-171665-7 MS
Matrix: Water
Analysis Batch: 464629

Client Sample ID: APMW-10
Prep Type: Total Recoverable
Prep Batch: 464361

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	<0.016		5.00	5.09		mg/L		102	75 - 125
Antimony	<0.00097	^5+	0.250	0.282	^5+	mg/L		113	75 - 125
Arsenic	0.032		1.00	1.17		mg/L		114	75 - 125
Barium	0.34	^5+	1.00	1.41	^5+	mg/L		107	75 - 125
Beryllium	<0.00027		0.500	0.543		mg/L		109	75 - 125
Cadmium	<0.00022	^5+	0.500	0.513	^5+	mg/L		103	75 - 125
Calcium	48	*+ F1	25.0	80.6	F1	mg/L		130	75 - 125
Chromium	<0.0015		0.500	0.523		mg/L		105	75 - 125
Cobalt	<0.00026		0.500	0.536		mg/L		107	75 - 125
Lead	<0.00038		0.500	0.535		mg/L		107	75 - 125
Lithium	0.0083		0.500	0.532		mg/L		105	75 - 125
Molybdenum	0.027		0.500	0.612		mg/L		117	75 - 125
Selenium	<0.00074		1.00	0.998		mg/L		100	75 - 125
Thallium	<0.00047		1.00	1.04		mg/L		104	75 - 125
Iron	7.3		5.00	12.6		mg/L		106	75 - 125
Potassium	24		25.0	50.7		mg/L		108	75 - 125
Magnesium	34		25.0	62.6		mg/L		115	75 - 125
Manganese	0.092		0.500	0.603		mg/L		102	75 - 125
Sodium	450		25.0	488	4	mg/L		144	75 - 125
Silicon	7.0		1.00	8.33	4	mg/L		129	75 - 125
Strontium	0.45		0.500	1.04		mg/L		119	75 - 125

Lab Sample ID: 180-171665-7 MS
Matrix: Water
Analysis Batch: 465268

Client Sample ID: APMW-10
Prep Type: Total Recoverable
Prep Batch: 464361

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	45	^5- F1	25.0	78.0	^5- F1	mg/L		132	75 - 125

Method: EPA 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 180-171665-7 MS
Matrix: Water
Analysis Batch: 465741

Client Sample ID: APMW-10
Prep Type: Total Recoverable
Prep Batch: 464361

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	2.4		0.250	2.82	4	mg/L		182	75 - 125

Lab Sample ID: 180-171665-7 MSD
Matrix: Water
Analysis Batch: 464629

Client Sample ID: APMW-10
Prep Type: Total Recoverable
Prep Batch: 464361

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	<0.016		5.00	5.09		mg/L		102	75 - 125	0	20
Antimony	<0.00097	^5+	0.250	0.278	^5+	mg/L		111	75 - 125	2	20
Arsenic	0.032		1.00	1.15		mg/L		112	75 - 125	2	20
Barium	0.34	^5+	1.00	1.39	^5+	mg/L		106	75 - 125	1	20
Beryllium	<0.00027		0.500	0.541		mg/L		108	75 - 125	0	20
Cadmium	<0.00022	^5+	0.500	0.500	^5+	mg/L		100	75 - 125	2	20
Calcium	48	*+ F1	25.0	80.3	F1	mg/L		130	75 - 125	0	20
Chromium	<0.0015		0.500	0.515		mg/L		103	75 - 125	2	20
Cobalt	<0.00026		0.500	0.527		mg/L		105	75 - 125	2	20
Lead	<0.00038		0.500	0.527		mg/L		105	75 - 125	2	20
Lithium	0.0083		0.500	0.514		mg/L		101	75 - 125	3	20
Molybdenum	0.027		0.500	0.594		mg/L		113	75 - 125	3	20
Selenium	<0.00074		1.00	0.986		mg/L		99	75 - 125	1	20
Thallium	<0.00047		1.00	1.03		mg/L		103	75 - 125	1	20
Iron	7.3		5.00	12.4		mg/L		102	75 - 125	1	20
Potassium	24		25.0	50.8		mg/L		108	75 - 125	0	20
Magnesium	34		25.0	61.3		mg/L		110	75 - 125	2	20
Manganese	0.092		0.500	0.601		mg/L		102	75 - 125	0	20
Sodium	450		25.0	495	4	mg/L		173	75 - 125	1	20
Silicon	7.0		1.00	8.39	4	mg/L		134	75 - 125	1	20
Strontium	0.45		0.500	1.02		mg/L		115	75 - 125	2	20

Lab Sample ID: 180-171665-7 MSD
Matrix: Water
Analysis Batch: 465268

Client Sample ID: APMW-10
Prep Type: Total Recoverable
Prep Batch: 464361

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	45	^5- F1	25.0	81.9	^5- F1	mg/L		147	75 - 125	5	20

Lab Sample ID: 180-171665-7 MSD
Matrix: Water
Analysis Batch: 465741

Client Sample ID: APMW-10
Prep Type: Total Recoverable
Prep Batch: 464361

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	2.4		0.250	2.89	4	mg/L		212	75 - 125	3	20

Lab Sample ID: MB 180-465752/1-A
Matrix: Water
Analysis Batch: 465971

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 465752

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.060		0.080	0.060	mg/L		04/18/24 10:45	04/19/24 14:56	1

Method: EPA 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 180-465752/2-A
Matrix: Water
Analysis Batch: 465971

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 465752

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Boron			0.250	0.247		mg/L		99	80 - 120		

Lab Sample ID: MB 180-467011/1-A
Matrix: Water
Analysis Batch: 467144

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 467011

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.060		0.080	0.060	mg/L		05/01/24 06:05	05/01/24 15:54	1

Lab Sample ID: LCS 180-467011/2-A
Matrix: Water
Analysis Batch: 467144

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 467011

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Boron			0.250	0.253		mg/L		101	80 - 120		

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-463827/1-A
Matrix: Water
Analysis Batch: 464202

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 463827

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/28/24 08:01	04/02/24 10:37	1

Lab Sample ID: LCS 180-463827/2-A
Matrix: Water
Analysis Batch: 464202

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 463827

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00250	0.00264		mg/L		106	80 - 120		

Lab Sample ID: 180-171486-1 MS
Matrix: Water
Analysis Batch: 464202

Client Sample ID: APMW-2
Prep Type: Total/NA
Prep Batch: 463827

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	<0.00013		0.00100	0.00107		mg/L		107	75 - 125		

Lab Sample ID: 180-171486-1 MSD
Matrix: Water
Analysis Batch: 464202

Client Sample ID: APMW-2
Prep Type: Total/NA
Prep Batch: 463827

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00013		0.00100	0.00101		mg/L		101	75 - 125	6	20

Method: EPA 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: MB 180-464100/1-A
Matrix: Water
Analysis Batch: 464505

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464100

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 11:46	04/04/24 10:55	1

Lab Sample ID: LCS 180-464100/2-A
Matrix: Water
Analysis Batch: 464505

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464100

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00258		mg/L		103	80 - 120

Lab Sample ID: 180-171665-1 MS
Matrix: Water
Analysis Batch: 464505

Client Sample ID: APMW-6D
Prep Type: Total/NA
Prep Batch: 464100

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00013		0.00100	0.00105		mg/L		105	75 - 125

Lab Sample ID: 180-171665-1 MSD
Matrix: Water
Analysis Batch: 464505

Client Sample ID: APMW-6D
Prep Type: Total/NA
Prep Batch: 464100

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00013		0.00100	0.00104		mg/L		104	75 - 125	1	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 180-463912/1
Matrix: Water
Analysis Batch: 463912

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			03/28/24 16:47	1

Lab Sample ID: LCS 180-463912/2
Matrix: Water
Analysis Batch: 463912

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	305	306		mg/L		100	85 - 115

Lab Sample ID: MB 180-464006/1
Matrix: Water
Analysis Batch: 464006

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			03/29/24 19:38	1

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCS 180-464006/2
Matrix: Water
Analysis Batch: 464006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			305	292		mg/L		96	85 - 115		

Lab Sample ID: 180-171486-10 DU
Matrix: Water
Analysis Batch: 464006

Client Sample ID: APMW-8D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	120			116		mg/L				2	10

Lab Sample ID: MB 180-464531/1
Matrix: Water
Analysis Batch: 464531

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/04/24 17:19	1

Lab Sample ID: LCS 180-464531/2
Matrix: Water
Analysis Batch: 464531

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			305	282		mg/L		92	85 - 115		

Lab Sample ID: 180-171665-1 DU
Matrix: Water
Analysis Batch: 464531

Client Sample ID: APMW-6D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	210			213		mg/L				0	10

Lab Sample ID: MB 180-464533/1
Matrix: Water
Analysis Batch: 464533

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/04/24 17:36	1

Lab Sample ID: LCS 180-464533/2
Matrix: Water
Analysis Batch: 464533

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			305	296		mg/L		97	85 - 115		

Method: SM2320 B - Alkalinity, Total

Lab Sample ID: MB 180-464378/5
Matrix: Water
Analysis Batch: 464378

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/03/24 13:50	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/03/24 13:50	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/03/24 13:50	1

Lab Sample ID: LCS 180-464378/4
Matrix: Water
Analysis Batch: 464378

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3 to pH 4.5	251	243		mg/L		97	90 - 110

Lab Sample ID: LLCS 180-464378/3
Matrix: Water
Analysis Batch: 464378

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3 to pH 4.5	15.0	13.1		mg/L		87	75 - 125

Lab Sample ID: MB 180-464515/5
Matrix: Water
Analysis Batch: 464515

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/04/24 10:54	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/04/24 10:54	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/04/24 10:54	1

Lab Sample ID: LCS 180-464515/4
Matrix: Water
Analysis Batch: 464515

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3 to pH 4.5	251	246		mg/L		98	90 - 110

Lab Sample ID: LLCS 180-464515/3
Matrix: Water
Analysis Batch: 464515

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3 to pH 4.5	15.0	13.9		mg/L		93	75 - 125

Method: SM2320 B - Alkalinity, Total (Continued)

Lab Sample ID: 180-171486-8 DU
Matrix: Water
Analysis Batch: 464515

Client Sample ID: APMW-7
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Alkalinity as CaCO3 to pH 4.5	620			615		mg/L				0.3	20
Bicarbonate Alkalinity as CaCO3	620			615		mg/L				0.3	20
Carbonate Alkalinity as CaCO3	<5.0			<5.0		mg/L				NC	20

Lab Sample ID: 180-171486-14 DU
Matrix: Water
Analysis Batch: 464515

Client Sample ID: APMW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Alkalinity as CaCO3 to pH 4.5	190			192		mg/L				0.2	20
Bicarbonate Alkalinity as CaCO3	190			192		mg/L				0.2	20
Carbonate Alkalinity as CaCO3	<5.0			<5.0		mg/L				NC	20

Lab Sample ID: MB 180-464774/29
Matrix: Water
Analysis Batch: 464774

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/08/24 14:23	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/08/24 14:23	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/08/24 14:23	1

Lab Sample ID: MB 180-464774/5
Matrix: Water
Analysis Batch: 464774

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/08/24 12:13	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/08/24 12:13	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/08/24 12:13	1

Lab Sample ID: LCS 180-464774/28
Matrix: Water
Analysis Batch: 464774

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Alkalinity as CaCO3 to pH 4.5			251	246		mg/L		98	90 - 110		

Lab Sample ID: LLCS 180-464774/27
Matrix: Water
Analysis Batch: 464774

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Alkalinity as CaCO3 to pH 4.5			15.0	16.7		mg/L		111	75 - 125		

Method: SM2320 B - Alkalinity, Total (Continued)

Lab Sample ID: 180-171665-4 DU
Matrix: Water
Analysis Batch: 464774

Client Sample ID: APMW-9
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Alkalinity as CaCO3 to pH 4.5	280		266		mg/L		4	20
Bicarbonate Alkalinity as CaCO3	280		266		mg/L		4	20
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	20

Lab Sample ID: MB 180-464937/29
Matrix: Water
Analysis Batch: 464937

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/09/24 12:43	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/09/24 12:43	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/09/24 12:43	1

Lab Sample ID: MB 180-464937/5
Matrix: Water
Analysis Batch: 464937

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/09/24 11:01	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/09/24 11:01	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/09/24 11:01	1

Lab Sample ID: LCS 180-464937/28
Matrix: Water
Analysis Batch: 464937

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3 to pH 4.5	251	244		mg/L		97	90 - 110

Lab Sample ID: LLCS 180-464937/27
Matrix: Water
Analysis Batch: 464937

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3 to pH 4.5	15.0	13.7		mg/L		92	75 - 125

Lab Sample ID: MB 180-465007/5
Matrix: Water
Analysis Batch: 465007

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/10/24 10:02	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/10/24 10:02	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/10/24 10:02	1

Method: SM2320 B - Alkalinity, Total (Continued)

Lab Sample ID: LCS 180-465007/4
Matrix: Water
Analysis Batch: 465007

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3 to pH 4.5	251	247		mg/L		99	90 - 110

Lab Sample ID: LLCS 180-465007/3
Matrix: Water
Analysis Batch: 465007

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3 to pH 4.5	15.0	12.4		mg/L		83	75 - 125

Lab Sample ID: 180-171665-5 DU
Matrix: Water
Analysis Batch: 465007

Client Sample ID: FB-02
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Alkalinity as CaCO3 to pH 4.5	<5.0		<5.0		mg/L		NC	20
Bicarbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	20
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	20

Lab Sample ID: MB 180-465040/5
Matrix: Water
Analysis Batch: 465040

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/10/24 13:06	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/10/24 13:06	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/10/24 13:06	1

Lab Sample ID: LCS 180-465040/4
Matrix: Water
Analysis Batch: 465040

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3 to pH 4.5	251	243		mg/L		97	90 - 110

Lab Sample ID: LLCS 180-465040/3
Matrix: Water
Analysis Batch: 465040

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3 to pH 4.5	15.0	13.4		mg/L		89	75 - 125

Method: SM2320 B - Alkalinity, Total (Continued)

Lab Sample ID: MB 180-465145/5
Matrix: Water
Analysis Batch: 465145

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	<5.0		5.0	5.0	mg/L			04/11/24 10:43	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/11/24 10:43	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/11/24 10:43	1

Lab Sample ID: LCS 180-465145/4
Matrix: Water
Analysis Batch: 465145

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Alkalinity as CaCO3 to pH 4.5			251	240		mg/L		95	90 - 110		

Lab Sample ID: LLCS 180-465145/3
Matrix: Water
Analysis Batch: 465145

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Alkalinity as CaCO3 to pH 4.5			15.0	12.9		mg/L		86	75 - 125		

Lab Sample ID: 180-171665-9 DU
Matrix: Water
Analysis Batch: 465145

Client Sample ID: APMW-10D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Alkalinity as CaCO3 to pH 4.5	120			119		mg/L				2	20
Bicarbonate Alkalinity as CaCO3	120			119		mg/L				2	20
Carbonate Alkalinity as CaCO3	<5.0			<5.0		mg/L				NC	20

HPLC/IC

Analysis Batch: 464012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171486-1	APMW-2	Total/NA	Water	300.0	
180-171486-1	APMW-2	Total/NA	Water	300.0	
180-171486-2	APMW-2D	Total/NA	Water	300.0	
180-171486-3	APMW-5	Total/NA	Water	300.0	
180-171486-3	APMW-5	Total/NA	Water	300.0	
180-171486-4	APMW-5D	Total/NA	Water	300.0	
180-171486-5	FB-01	Total/NA	Water	300.0	
180-171486-7	DUP-01	Total/NA	Water	300.0	
180-171486-7	DUP-01	Total/NA	Water	300.0	
180-171486-11	APMW-1R	Total/NA	Water	300.0	
180-171486-11	APMW-1R	Total/NA	Water	300.0	
180-171486-12	APMW-3	Total/NA	Water	300.0	
180-171486-12	APMW-3	Total/NA	Water	300.0	
MB 180-464012/6	Method Blank	Total/NA	Water	300.0	
LCS 180-464012/7	Lab Control Sample	Total/NA	Water	300.0	
180-171486-2 MS	APMW-2D	Total/NA	Water	300.0	
180-171486-2 MSD	APMW-2D	Total/NA	Water	300.0	

Analysis Batch: 464085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171486-6	EB-01	Total/NA	Water	300.0	
180-171486-8	APMW-7	Total/NA	Water	300.0	
180-171486-8	APMW-7	Total/NA	Water	300.0	
180-171486-9	DUP-02	Total/NA	Water	300.0	
180-171486-9	DUP-02	Total/NA	Water	300.0	
180-171486-10	APMW-8D	Total/NA	Water	300.0	
180-171486-13	APMW-3D	Total/NA	Water	300.0	
180-171486-14	APMW-4	Total/NA	Water	300.0	
180-171486-14	APMW-4	Total/NA	Water	300.0	
180-171486-15	APMW-6R	Total/NA	Water	300.0	
180-171486-15	APMW-6R	Total/NA	Water	300.0	
180-171486-16	APMW-4D	Total/NA	Water	300.0	
180-171486-16	APMW-4D	Total/NA	Water	300.0	
MB 180-464085/6	Method Blank	Total/NA	Water	300.0	
LCS 180-464085/7	Lab Control Sample	Total/NA	Water	300.0	
180-171486-10 MS	APMW-8D	Total/NA	Water	300.0	
180-171486-10 MSD	APMW-8D	Total/NA	Water	300.0	

Analysis Batch: 464602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171665-9	APMW-10D	Total/NA	Water	300.0	
180-171665-12	APMW-14	Total/NA	Water	300.0	
180-171665-12	APMW-14	Total/NA	Water	300.0	
180-171665-13	APMW-13	Total/NA	Water	300.0	
180-171665-14	APMW-11	Total/NA	Water	300.0	
MB 180-464602/6	Method Blank	Total/NA	Water	300.0	
LCS 180-464602/7	Lab Control Sample	Total/NA	Water	300.0	
180-171665-9 MS	APMW-10D	Total/NA	Water	300.0	
180-171665-9 MSD	APMW-10D	Total/NA	Water	300.0	

HPLC/IC

Analysis Batch: 464603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171665-1	APMW-6D	Total/NA	Water	300.0	
180-171665-2	APMW-8	Total/NA	Water	300.0	
180-171665-2	APMW-8	Total/NA	Water	300.0	
180-171665-3	DUP-03	Total/NA	Water	300.0	
180-171665-3	DUP-03	Total/NA	Water	300.0	
180-171665-4	APMW-9	Total/NA	Water	300.0	
180-171665-4	APMW-9	Total/NA	Water	300.0	
180-171665-5	FB-02	Total/NA	Water	300.0	
180-171665-6	EB-02	Total/NA	Water	300.0	
180-171665-7	APMW-10	Total/NA	Water	300.0	
180-171665-7	APMW-10	Total/NA	Water	300.0	
180-171665-8	DUP-04	Total/NA	Water	300.0	
180-171665-8	DUP-04	Total/NA	Water	300.0	
180-171665-10	APMW-16	Total/NA	Water	300.0	
180-171665-10	APMW-16	Total/NA	Water	300.0	
180-171665-11	APMW-15	Total/NA	Water	300.0	
180-171665-11	APMW-15	Total/NA	Water	300.0	
180-171665-15	APMW-12	Total/NA	Water	300.0	
MB 180-464603/6	Method Blank	Total/NA	Water	300.0	
LCS 180-464603/7	Lab Control Sample	Total/NA	Water	300.0	
180-171665-1 MS	APMW-6D	Total/NA	Water	300.0	
180-171665-1 MSD	APMW-6D	Total/NA	Water	300.0	

Analysis Batch: 465213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171665-9	APMW-10D	Total/NA	Water	300.0	
180-171665-12	APMW-14	Total/NA	Water	300.0	
180-171665-13	APMW-13	Total/NA	Water	300.0	
180-171665-14	APMW-11	Total/NA	Water	300.0	
MB 180-465213/6	Method Blank	Total/NA	Water	300.0	
LCS 180-465213/7	Lab Control Sample	Total/NA	Water	300.0	

Metals

Prep Batch: 463827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171486-1	APMW-2	Total/NA	Water	7470A	
180-171486-2	APMW-2D	Total/NA	Water	7470A	
180-171486-3	APMW-5	Total/NA	Water	7470A	
180-171486-4	APMW-5D	Total/NA	Water	7470A	
180-171486-5	FB-01	Total/NA	Water	7470A	
180-171486-6	EB-01	Total/NA	Water	7470A	
180-171486-7	DUP-01	Total/NA	Water	7470A	
180-171486-8	APMW-7	Total/NA	Water	7470A	
180-171486-9	DUP-02	Total/NA	Water	7470A	
180-171486-10	APMW-8D	Total/NA	Water	7470A	
180-171486-11	APMW-1R	Total/NA	Water	7470A	
180-171486-12	APMW-3	Total/NA	Water	7470A	
180-171486-13	APMW-3D	Total/NA	Water	7470A	
180-171486-14	APMW-4	Total/NA	Water	7470A	
180-171486-15	APMW-6R	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 463827 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171486-16	APMW-4D	Total/NA	Water	7470A	
MB 180-463827/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-463827/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-171486-1 MS	APMW-2	Total/NA	Water	7470A	
180-171486-1 MSD	APMW-2	Total/NA	Water	7470A	

Prep Batch: 464093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171486-1	APMW-2	Total Recoverable	Water	3005A	
180-171486-2	APMW-2D	Total Recoverable	Water	3005A	
180-171486-3	APMW-5	Total Recoverable	Water	3005A	
180-171486-4	APMW-5D	Total Recoverable	Water	3005A	
180-171486-5	FB-01	Total Recoverable	Water	3005A	
MB 180-464093/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-464093/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 464094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171486-6	EB-01	Total Recoverable	Water	3005A	
180-171486-7	DUP-01	Total Recoverable	Water	3005A	
180-171486-8	APMW-7	Total Recoverable	Water	3005A	
180-171486-9	DUP-02	Total Recoverable	Water	3005A	
180-171486-10	APMW-8D	Total Recoverable	Water	3005A	
180-171486-11	APMW-1R	Total Recoverable	Water	3005A	
180-171486-12	APMW-3	Total Recoverable	Water	3005A	
180-171486-13	APMW-3D	Total Recoverable	Water	3005A	
180-171486-14	APMW-4	Total Recoverable	Water	3005A	
180-171486-15	APMW-6R	Total Recoverable	Water	3005A	
180-171486-16	APMW-4D	Total Recoverable	Water	3005A	
MB 180-464094/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-464094/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-171486-6 MS	EB-01	Total Recoverable	Water	3005A	
180-171486-6 MSD	EB-01	Total Recoverable	Water	3005A	

Prep Batch: 464100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171665-1	APMW-6D	Total/NA	Water	7470A	
180-171665-2	APMW-8	Total/NA	Water	7470A	
180-171665-3	DUP-03	Total/NA	Water	7470A	
180-171665-4	APMW-9	Total/NA	Water	7470A	
180-171665-5	FB-02	Total/NA	Water	7470A	
180-171665-6	EB-02	Total/NA	Water	7470A	
180-171665-7	APMW-10	Total/NA	Water	7470A	
180-171665-8	DUP-04	Total/NA	Water	7470A	
180-171665-9	APMW-10D	Total/NA	Water	7470A	
180-171665-10	APMW-16	Total/NA	Water	7470A	
180-171665-11	APMW-15	Total/NA	Water	7470A	
180-171665-12	APMW-14	Total/NA	Water	7470A	
180-171665-13	APMW-13	Total/NA	Water	7470A	
180-171665-14	APMW-11	Total/NA	Water	7470A	
180-171665-15	APMW-12	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 464100 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-464100/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-464100/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-171665-1 MS	APMW-6D	Total/NA	Water	7470A	
180-171665-1 MSD	APMW-6D	Total/NA	Water	7470A	

Analysis Batch: 464202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171486-1	APMW-2	Total/NA	Water	EPA 7470A	463827
180-171486-2	APMW-2D	Total/NA	Water	EPA 7470A	463827
180-171486-3	APMW-5	Total/NA	Water	EPA 7470A	463827
180-171486-4	APMW-5D	Total/NA	Water	EPA 7470A	463827
180-171486-5	FB-01	Total/NA	Water	EPA 7470A	463827
180-171486-6	EB-01	Total/NA	Water	EPA 7470A	463827
180-171486-7	DUP-01	Total/NA	Water	EPA 7470A	463827
180-171486-8	APMW-7	Total/NA	Water	EPA 7470A	463827
180-171486-9	DUP-02	Total/NA	Water	EPA 7470A	463827
180-171486-10	APMW-8D	Total/NA	Water	EPA 7470A	463827
180-171486-11	APMW-1R	Total/NA	Water	EPA 7470A	463827
180-171486-12	APMW-3	Total/NA	Water	EPA 7470A	463827
180-171486-13	APMW-3D	Total/NA	Water	EPA 7470A	463827
180-171486-14	APMW-4	Total/NA	Water	EPA 7470A	463827
180-171486-15	APMW-6R	Total/NA	Water	EPA 7470A	463827
180-171486-16	APMW-4D	Total/NA	Water	EPA 7470A	463827
MB 180-463827/1-A	Method Blank	Total/NA	Water	EPA 7470A	463827
LCS 180-463827/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	463827
180-171486-1 MS	APMW-2	Total/NA	Water	EPA 7470A	463827
180-171486-1 MSD	APMW-2	Total/NA	Water	EPA 7470A	463827

Analysis Batch: 464306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171486-6	EB-01	Total Recoverable	Water	EPA 6020B	464094
180-171486-7	DUP-01	Total Recoverable	Water	EPA 6020B	464094
180-171486-8	APMW-7	Total Recoverable	Water	EPA 6020B	464094
180-171486-9	DUP-02	Total Recoverable	Water	EPA 6020B	464094
180-171486-10	APMW-8D	Total Recoverable	Water	EPA 6020B	464094
180-171486-11	APMW-1R	Total Recoverable	Water	EPA 6020B	464094
180-171486-12	APMW-3	Total Recoverable	Water	EPA 6020B	464094
180-171486-13	APMW-3D	Total Recoverable	Water	EPA 6020B	464094
180-171486-14	APMW-4	Total Recoverable	Water	EPA 6020B	464094
180-171486-15	APMW-6R	Total Recoverable	Water	EPA 6020B	464094
180-171486-16	APMW-4D	Total Recoverable	Water	EPA 6020B	464094
MB 180-464094/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	464094
LCS 180-464094/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	464094
180-171486-6 MS	EB-01	Total Recoverable	Water	EPA 6020B	464094
180-171486-6 MSD	EB-01	Total Recoverable	Water	EPA 6020B	464094

Prep Batch: 464358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171665-1	APMW-6D	Total Recoverable	Water	3005A	
180-171665-2	APMW-8	Total Recoverable	Water	3005A	
180-171665-3	DUP-03	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 464358 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171665-4	APMW-9	Total Recoverable	Water	3005A	
180-171665-5	FB-02	Total Recoverable	Water	3005A	
180-171665-6	EB-02	Total Recoverable	Water	3005A	
MB 180-464358/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-464358/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 464361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171665-7	APMW-10	Total Recoverable	Water	3005A	
180-171665-8	DUP-04	Total Recoverable	Water	3005A	
180-171665-9	APMW-10D	Total Recoverable	Water	3005A	
180-171665-10	APMW-16	Total Recoverable	Water	3005A	
180-171665-11	APMW-15	Total Recoverable	Water	3005A	
180-171665-12	APMW-14	Total Recoverable	Water	3005A	
180-171665-13	APMW-13	Total Recoverable	Water	3005A	
180-171665-14	APMW-11	Total Recoverable	Water	3005A	
180-171665-15	APMW-12	Total Recoverable	Water	3005A	
MB 180-464361/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-464361/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-171665-7 MS	APMW-10	Total Recoverable	Water	3005A	
180-171665-7 MSD	APMW-10	Total Recoverable	Water	3005A	

Analysis Batch: 464464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171486-1	APMW-2	Total Recoverable	Water	EPA 6020B	464093
180-171486-2	APMW-2D	Total Recoverable	Water	EPA 6020B	464093
180-171486-3	APMW-5	Total Recoverable	Water	EPA 6020B	464093
180-171486-4	APMW-5D	Total Recoverable	Water	EPA 6020B	464093
180-171486-5	FB-01	Total Recoverable	Water	EPA 6020B	464093
MB 180-464093/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	464093
LCS 180-464093/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	464093

Analysis Batch: 464505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171665-1	APMW-6D	Total/NA	Water	EPA 7470A	464100
180-171665-2	APMW-8	Total/NA	Water	EPA 7470A	464100
180-171665-3	DUP-03	Total/NA	Water	EPA 7470A	464100
180-171665-4	APMW-9	Total/NA	Water	EPA 7470A	464100
180-171665-5	FB-02	Total/NA	Water	EPA 7470A	464100
180-171665-6	EB-02	Total/NA	Water	EPA 7470A	464100
180-171665-7	APMW-10	Total/NA	Water	EPA 7470A	464100
180-171665-8	DUP-04	Total/NA	Water	EPA 7470A	464100
180-171665-9	APMW-10D	Total/NA	Water	EPA 7470A	464100
180-171665-10	APMW-16	Total/NA	Water	EPA 7470A	464100
180-171665-11	APMW-15	Total/NA	Water	EPA 7470A	464100
180-171665-12	APMW-14	Total/NA	Water	EPA 7470A	464100
180-171665-13	APMW-13	Total/NA	Water	EPA 7470A	464100
180-171665-14	APMW-11	Total/NA	Water	EPA 7470A	464100
180-171665-15	APMW-12	Total/NA	Water	EPA 7470A	464100
MB 180-464100/1-A	Method Blank	Total/NA	Water	EPA 7470A	464100
LCS 180-464100/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	464100

Metals (Continued)

Analysis Batch: 464505 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171665-1 MS	APMW-6D	Total/NA	Water	EPA 7470A	464100
180-171665-1 MSD	APMW-6D	Total/NA	Water	EPA 7470A	464100

Analysis Batch: 464597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171665-1	APMW-6D	Total Recoverable	Water	EPA 6020B	464358
180-171665-2	APMW-8	Total Recoverable	Water	EPA 6020B	464358
180-171665-3	DUP-03	Total Recoverable	Water	EPA 6020B	464358
180-171665-4	APMW-9	Total Recoverable	Water	EPA 6020B	464358
180-171665-5	FB-02	Total Recoverable	Water	EPA 6020B	464358
180-171665-6	EB-02	Total Recoverable	Water	EPA 6020B	464358
MB 180-464358/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	464358
LCS 180-464358/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	464358

Analysis Batch: 464629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171665-7	APMW-10	Total Recoverable	Water	EPA 6020B	464361
180-171665-8	DUP-04	Total Recoverable	Water	EPA 6020B	464361
180-171665-9	APMW-10D	Total Recoverable	Water	EPA 6020B	464361
180-171665-10	APMW-16	Total Recoverable	Water	EPA 6020B	464361
180-171665-11	APMW-15	Total Recoverable	Water	EPA 6020B	464361
180-171665-12	APMW-14	Total Recoverable	Water	EPA 6020B	464361
180-171665-13	APMW-13	Total Recoverable	Water	EPA 6020B	464361
180-171665-14	APMW-11	Total Recoverable	Water	EPA 6020B	464361
180-171665-15	APMW-12	Total Recoverable	Water	EPA 6020B	464361
MB 180-464361/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	464361
LCS 180-464361/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	464361
180-171665-7 MS	APMW-10	Total Recoverable	Water	EPA 6020B	464361
180-171665-7 MSD	APMW-10	Total Recoverable	Water	EPA 6020B	464361

Analysis Batch: 464778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171665-1	APMW-6D	Total Recoverable	Water	EPA 6020B	464358
180-171665-2	APMW-8	Total Recoverable	Water	EPA 6020B	464358
180-171665-3	DUP-03	Total Recoverable	Water	EPA 6020B	464358
180-171665-4	APMW-9	Total Recoverable	Water	EPA 6020B	464358

Analysis Batch: 464818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171665-1	APMW-6D	Total Recoverable	Water	EPA 6020B	464358
180-171665-2	APMW-8	Total Recoverable	Water	EPA 6020B	464358
180-171665-3	DUP-03	Total Recoverable	Water	EPA 6020B	464358
180-171665-4	APMW-9	Total Recoverable	Water	EPA 6020B	464358
180-171665-5	FB-02	Total Recoverable	Water	EPA 6020B	464358
180-171665-6	EB-02	Total Recoverable	Water	EPA 6020B	464358

Analysis Batch: 465179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171486-6	EB-01	Total Recoverable	Water	EPA 6020B	464094
180-171486-7	DUP-01	Total Recoverable	Water	EPA 6020B	464094
180-171486-7	DUP-01	Total Recoverable	Water	EPA 6020B	464094

Metals (Continued)

Analysis Batch: 465179 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171486-8	APMW-7	Total Recoverable	Water	EPA 6020B	464094
180-171486-8	APMW-7	Total Recoverable	Water	EPA 6020B	464094
180-171486-9	DUP-02	Total Recoverable	Water	EPA 6020B	464094
180-171486-9	DUP-02	Total Recoverable	Water	EPA 6020B	464094
180-171486-10	APMW-8D	Total Recoverable	Water	EPA 6020B	464094
180-171486-10	APMW-8D	Total Recoverable	Water	EPA 6020B	464094
180-171486-11	APMW-1R	Total Recoverable	Water	EPA 6020B	464094
180-171486-11	APMW-1R	Total Recoverable	Water	EPA 6020B	464094
180-171486-12	APMW-3	Total Recoverable	Water	EPA 6020B	464094
180-171486-13	APMW-3D	Total Recoverable	Water	EPA 6020B	464094
180-171486-13	APMW-3D	Total Recoverable	Water	EPA 6020B	464094
180-171486-14	APMW-4	Total Recoverable	Water	EPA 6020B	464094
180-171486-15	APMW-6R	Total Recoverable	Water	EPA 6020B	464094
180-171486-16	APMW-4D	Total Recoverable	Water	EPA 6020B	464094
180-171665-9	APMW-10D	Total Recoverable	Water	EPA 6020B	464361
180-171665-10	APMW-16	Total Recoverable	Water	EPA 6020B	464361
180-171665-11	APMW-15	Total Recoverable	Water	EPA 6020B	464361
180-171665-12	APMW-14	Total Recoverable	Water	EPA 6020B	464361
180-171665-13	APMW-13	Total Recoverable	Water	EPA 6020B	464361
180-171665-14	APMW-11	Total Recoverable	Water	EPA 6020B	464361
180-171665-14	APMW-11	Total Recoverable	Water	EPA 6020B	464361
180-171665-15	APMW-12	Total Recoverable	Water	EPA 6020B	464361
180-171665-15	APMW-12	Total Recoverable	Water	EPA 6020B	464361
MB 180-464094/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	464094
MB 180-464361/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	464361
LCS 180-464094/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	464094
LCS 180-464361/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	464361
180-171486-6 MS	EB-01	Total Recoverable	Water	EPA 6020B	464094
180-171486-6 MSD	EB-01	Total Recoverable	Water	EPA 6020B	464094

Analysis Batch: 465268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171665-7	APMW-10	Total Recoverable	Water	EPA 6020B	464361
180-171665-8	DUP-04	Total Recoverable	Water	EPA 6020B	464361
180-171665-9	APMW-10D	Total Recoverable	Water	EPA 6020B	464361
180-171665-10	APMW-16	Total Recoverable	Water	EPA 6020B	464361
180-171665-11	APMW-15	Total Recoverable	Water	EPA 6020B	464361
180-171665-12	APMW-14	Total Recoverable	Water	EPA 6020B	464361
180-171665-13	APMW-13	Total Recoverable	Water	EPA 6020B	464361
180-171665-14	APMW-11	Total Recoverable	Water	EPA 6020B	464361
180-171665-15	APMW-12	Total Recoverable	Water	EPA 6020B	464361
LCS 180-464361/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	464361
180-171665-7 MS	APMW-10	Total Recoverable	Water	EPA 6020B	464361
180-171665-7 MSD	APMW-10	Total Recoverable	Water	EPA 6020B	464361

Analysis Batch: 465741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171665-7	APMW-10	Total Recoverable	Water	EPA 6020B	464361
180-171665-10	APMW-16	Total Recoverable	Water	EPA 6020B	464361
180-171665-11	APMW-15	Total Recoverable	Water	EPA 6020B	464361
180-171665-7 MS	APMW-10	Total Recoverable	Water	EPA 6020B	464361

Metals (Continued)

Analysis Batch: 465741 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171665-7 MSD	APMW-10	Total Recoverable	Water	EPA 6020B	464361

Prep Batch: 465752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171486-7	DUP-01	Total Recoverable	Water	3005A	
180-171486-8	APMW-7	Total Recoverable	Water	3005A	
180-171486-9	DUP-02	Total Recoverable	Water	3005A	
180-171486-11	APMW-1R	Total Recoverable	Water	3005A	
180-171486-12	APMW-3	Total Recoverable	Water	3005A	
180-171486-13	APMW-3D	Total Recoverable	Water	3005A	
180-171486-14	APMW-4	Total Recoverable	Water	3005A	
180-171486-15	APMW-6R	Total Recoverable	Water	3005A	
180-171486-16	APMW-4D	Total Recoverable	Water	3005A	
MB 180-465752/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-465752/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 465756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171486-1	APMW-2	Total Recoverable	Water	EPA 6020B	464093
180-171486-2	APMW-2D	Total Recoverable	Water	EPA 6020B	464093
180-171486-3	APMW-5	Total Recoverable	Water	EPA 6020B	464093
180-171486-4	APMW-5D	Total Recoverable	Water	EPA 6020B	464093

Analysis Batch: 465971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171486-1	APMW-2	Total Recoverable	Water	EPA 6020B	464093
180-171486-4	APMW-5D	Total Recoverable	Water	EPA 6020B	464093
180-171486-7	DUP-01	Total Recoverable	Water	EPA 6020B	465752
180-171486-8	APMW-7	Total Recoverable	Water	EPA 6020B	465752
180-171486-9	DUP-02	Total Recoverable	Water	EPA 6020B	465752
180-171486-11	APMW-1R	Total Recoverable	Water	EPA 6020B	465752
180-171486-12	APMW-3	Total Recoverable	Water	EPA 6020B	465752
180-171486-13	APMW-3D	Total Recoverable	Water	EPA 6020B	465752
180-171486-14	APMW-4	Total Recoverable	Water	EPA 6020B	465752
180-171486-15	APMW-6R	Total Recoverable	Water	EPA 6020B	465752
180-171486-16	APMW-4D	Total Recoverable	Water	EPA 6020B	465752
MB 180-465752/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	465752
LCS 180-465752/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	465752

Analysis Batch: 466469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171665-8	DUP-04	Total Recoverable	Water	EPA 6020B	464361

Prep Batch: 467011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171486-2	APMW-2D	Total Recoverable	Water	3005A	
180-171486-3	APMW-5	Total Recoverable	Water	3005A	
MB 180-467011/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-467011/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

QC Association Summary

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-171486-1

Metals

Analysis Batch: 467144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171486-3	APMW-5	Total Recoverable	Water	EPA 6020B	467011
MB 180-467011/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	467011
LCS 180-467011/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	467011

Analysis Batch: 467396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171486-2	APMW-2D	Total Recoverable	Water	EPA 6020B	467011

General Chemistry

Analysis Batch: 463912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171486-1	APMW-2	Total/NA	Water	SM 2540C	
180-171486-2	APMW-2D	Total/NA	Water	SM 2540C	
180-171486-7	DUP-01	Total/NA	Water	SM 2540C	
180-171486-11	APMW-1R	Total/NA	Water	SM 2540C	
180-171486-12	APMW-3	Total/NA	Water	SM 2540C	
MB 180-463912/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-463912/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 464006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171486-3	APMW-5	Total/NA	Water	SM 2540C	
180-171486-4	APMW-5D	Total/NA	Water	SM 2540C	
180-171486-5	FB-01	Total/NA	Water	SM 2540C	
180-171486-6	EB-01	Total/NA	Water	SM 2540C	
180-171486-8	APMW-7	Total/NA	Water	SM 2540C	
180-171486-9	DUP-02	Total/NA	Water	SM 2540C	
180-171486-10	APMW-8D	Total/NA	Water	SM 2540C	
180-171486-13	APMW-3D	Total/NA	Water	SM 2540C	
180-171486-14	APMW-4	Total/NA	Water	SM 2540C	
180-171486-15	APMW-6R	Total/NA	Water	SM 2540C	
180-171486-16	APMW-4D	Total/NA	Water	SM 2540C	
MB 180-464006/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-464006/2	Lab Control Sample	Total/NA	Water	SM 2540C	
180-171486-10 DU	APMW-8D	Total/NA	Water	SM 2540C	

Analysis Batch: 464378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171486-1	APMW-2	Total/NA	Water	SM2320 B	
180-171486-2	APMW-2D	Total/NA	Water	SM2320 B	
180-171486-3	APMW-5	Total/NA	Water	SM2320 B	
180-171486-4	APMW-5D	Total/NA	Water	SM2320 B	
180-171486-5	FB-01	Total/NA	Water	SM2320 B	
180-171486-6	EB-01	Total/NA	Water	SM2320 B	
180-171486-7	DUP-01	Total/NA	Water	SM2320 B	
MB 180-464378/5	Method Blank	Total/NA	Water	SM2320 B	
LCS 180-464378/4	Lab Control Sample	Total/NA	Water	SM2320 B	
LLCS 180-464378/3	Lab Control Sample	Total/NA	Water	SM2320 B	

General Chemistry

Analysis Batch: 464515

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171486-8	APMW-7	Total/NA	Water	SM2320 B	
180-171486-9	DUP-02	Total/NA	Water	SM2320 B	
180-171486-10	APMW-8D	Total/NA	Water	SM2320 B	
180-171486-11	APMW-1R	Total/NA	Water	SM2320 B	
180-171486-12	APMW-3	Total/NA	Water	SM2320 B	
180-171486-13	APMW-3D	Total/NA	Water	SM2320 B	
180-171486-14	APMW-4	Total/NA	Water	SM2320 B	
180-171486-15	APMW-6R	Total/NA	Water	SM2320 B	
180-171486-16	APMW-4D	Total/NA	Water	SM2320 B	
MB 180-464515/5	Method Blank	Total/NA	Water	SM2320 B	
LCS 180-464515/4	Lab Control Sample	Total/NA	Water	SM2320 B	
LLCS 180-464515/3	Lab Control Sample	Total/NA	Water	SM2320 B	
180-171486-8 DU	APMW-7	Total/NA	Water	SM2320 B	
180-171486-14 DU	APMW-4	Total/NA	Water	SM2320 B	

Analysis Batch: 464531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171665-1	APMW-6D	Total/NA	Water	SM 2540C	
180-171665-2	APMW-8	Total/NA	Water	SM 2540C	
180-171665-3	DUP-03	Total/NA	Water	SM 2540C	
180-171665-4	APMW-9	Total/NA	Water	SM 2540C	
180-171665-5	FB-02	Total/NA	Water	SM 2540C	
180-171665-6	EB-02	Total/NA	Water	SM 2540C	
180-171665-10	APMW-16	Total/NA	Water	SM 2540C	
180-171665-11	APMW-15	Total/NA	Water	SM 2540C	
180-171665-12	APMW-14	Total/NA	Water	SM 2540C	
MB 180-464531/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-464531/2	Lab Control Sample	Total/NA	Water	SM 2540C	
180-171665-1 DU	APMW-6D	Total/NA	Water	SM 2540C	

Analysis Batch: 464533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171665-7	APMW-10	Total/NA	Water	SM 2540C	
180-171665-8	DUP-04	Total/NA	Water	SM 2540C	
180-171665-9	APMW-10D	Total/NA	Water	SM 2540C	
180-171665-13	APMW-13	Total/NA	Water	SM 2540C	
180-171665-14	APMW-11	Total/NA	Water	SM 2540C	
180-171665-15	APMW-12	Total/NA	Water	SM 2540C	
MB 180-464533/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-464533/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 464774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171665-1	APMW-6D	Total/NA	Water	SM2320 B	
180-171665-2	APMW-8	Total/NA	Water	SM2320 B	
180-171665-3	DUP-03	Total/NA	Water	SM2320 B	
180-171665-4	APMW-9	Total/NA	Water	SM2320 B	
MB 180-464774/29	Method Blank	Total/NA	Water	SM2320 B	
MB 180-464774/5	Method Blank	Total/NA	Water	SM2320 B	
LCS 180-464774/28	Lab Control Sample	Total/NA	Water	SM2320 B	
LLCS 180-464774/27	Lab Control Sample	Total/NA	Water	SM2320 B	

General Chemistry (Continued)

Analysis Batch: 464774 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171665-4 DU	APMW-9	Total/NA	Water	SM2320 B	

Analysis Batch: 464937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171665-11	APMW-15	Total/NA	Water	SM2320 B	
MB 180-464937/29	Method Blank	Total/NA	Water	SM2320 B	
MB 180-464937/5	Method Blank	Total/NA	Water	SM2320 B	
LCS 180-464937/28	Lab Control Sample	Total/NA	Water	SM2320 B	
LLCS 180-464937/27	Lab Control Sample	Total/NA	Water	SM2320 B	

Analysis Batch: 465007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171665-5	FB-02	Total/NA	Water	SM2320 B	
180-171665-6	EB-02	Total/NA	Water	SM2320 B	
180-171665-7	APMW-10	Total/NA	Water	SM2320 B	
180-171665-8	DUP-04	Total/NA	Water	SM2320 B	
180-171665-10	APMW-16	Total/NA	Water	SM2320 B	
180-171665-12	APMW-14	Total/NA	Water	SM2320 B	
MB 180-465007/5	Method Blank	Total/NA	Water	SM2320 B	
LCS 180-465007/4	Lab Control Sample	Total/NA	Water	SM2320 B	
LLCS 180-465007/3	Lab Control Sample	Total/NA	Water	SM2320 B	
180-171665-5 DU	FB-02	Total/NA	Water	SM2320 B	

Analysis Batch: 465040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171665-13	APMW-13	Total/NA	Water	SM2320 B	
180-171665-14	APMW-11	Total/NA	Water	SM2320 B	
180-171665-15	APMW-12	Total/NA	Water	SM2320 B	
MB 180-465040/5	Method Blank	Total/NA	Water	SM2320 B	
LCS 180-465040/4	Lab Control Sample	Total/NA	Water	SM2320 B	
LLCS 180-465040/3	Lab Control Sample	Total/NA	Water	SM2320 B	

Analysis Batch: 465145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171665-9	APMW-10D	Total/NA	Water	SM2320 B	
MB 180-465145/5	Method Blank	Total/NA	Water	SM2320 B	
LCS 180-465145/4	Lab Control Sample	Total/NA	Water	SM2320 B	
LLCS 180-465145/3	Lab Control Sample	Total/NA	Water	SM2320 B	
180-171665-9 DU	APMW-10D	Total/NA	Water	SM2320 B	

Field Service / Mobile Lab

Analysis Batch: 464883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171486-1	APMW-2	Total/NA	Water	Field Sampling	
180-171486-2	APMW-2D	Total/NA	Water	Field Sampling	
180-171486-3	APMW-5	Total/NA	Water	Field Sampling	
180-171486-4	APMW-5D	Total/NA	Water	Field Sampling	
180-171486-7	DUP-01	Total/NA	Water	Field Sampling	
180-171486-8	APMW-7	Total/NA	Water	Field Sampling	
180-171486-9	DUP-02	Total/NA	Water	Field Sampling	

Field Service / Mobile Lab (Continued)

Analysis Batch: 464883 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171486-10	APMW-8D	Total/NA	Water	Field Sampling	
180-171486-11	APMW-1R	Total/NA	Water	Field Sampling	
180-171486-12	APMW-3	Total/NA	Water	Field Sampling	
180-171486-13	APMW-3D	Total/NA	Water	Field Sampling	
180-171486-14	APMW-4	Total/NA	Water	Field Sampling	
180-171486-15	APMW-6R	Total/NA	Water	Field Sampling	
180-171486-16	APMW-4D	Total/NA	Water	Field Sampling	

Analysis Batch: 464948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171665-1	APMW-6D	Total/NA	Water	Field Sampling	
180-171665-2	APMW-8	Total/NA	Water	Field Sampling	
180-171665-3	DUP-03	Total/NA	Water	Field Sampling	
180-171665-4	APMW-9	Total/NA	Water	Field Sampling	
180-171665-7	APMW-10	Total/NA	Water	Field Sampling	
180-171665-8	DUP-04	Total/NA	Water	Field Sampling	
180-171665-9	APMW-10D	Total/NA	Water	Field Sampling	
180-171665-10	APMW-16	Total/NA	Water	Field Sampling	
180-171665-11	APMW-15	Total/NA	Water	Field Sampling	
180-171665-12	APMW-14	Total/NA	Water	Field Sampling	
180-171665-13	APMW-13	Total/NA	Water	Field Sampling	
180-171665-14	APMW-11	Total/NA	Water	Field Sampling	
180-171665-15	APMW-12	Total/NA	Water	Field Sampling	

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Rick Hagendorfer / Todd Wiles / Keith Krisman	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali brown@eurofinset com		Page: 1 of 2
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: AL, 35243				
Phone: 205-992-6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Plant Watson	Project #: 18020186			
Site:	SSOW#:			

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

180-171486 Chain of Custody

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C Total Dissolved Solids	300_28Day Chloride Fluoride Sulfate	6020B/7470 Custom 23 (AppIII/AppIV+9) + Mercury	+ Fe Mg Na Al Mn K Sr Si and Silica	2320B Alkalinity, Total, Carb, Bicarb	9315_Ra226 Radium 226	9320_Ra228 Radium 228	Combined RAD	Total Number of containers	Special Instructions/Note:
				Preservation Code:												
APMW-2	3-25-24	1348	G	W	No		X	X	X	X	X	X	X	X	6	
APMW-2D	3-25-24	1552	G	W	No		X	X	X	X	X	X	X	X	6	
APMW-5	3-26-24	0940	G	W	No		X	X	X	X	X	X	X	X	6	
APMW-5D	3-26-24	1204	G	W	No		X	X	X	X	X	X	X	X	6	
FB-01	3-26-24	1030	G	W	No		X	X	X	X	X	X	X	X	6	
EB-01	3-26-24	1038	G	W	No		X	X	X	X	X	X	X	X	6	
Dup-01	3-25-24	1248	G	W	No		X	X	X	X	X	X	X	X	6	
APMW-7	3-26-24	1445	G	W	No		X	X	X	X	X	X	X	X	6	
Dup-02	3-26-24	1345	G	W	No		X	X	X	X	X	X	X	X	6	
APMW-8D	3-26-24	1630	G	W	No		X	X	X	X	X	X	X	X	6	
APMW-1R	3-25-24	1335	G	W	No		X	X	X	X	X	X	X	X	6	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ________ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:		
Relinquished by: [signature]	Date/Time: 3-26-24 1720	Company: ADH ENV.	Received by: [signature]	Date/Time: 03/27/24 0955	Company: EP-HNE
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Rick Heyendorfer / Todd Voreis/Keith Parkman	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 2 of 2
Company: SCS				Job #:

Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:
City: Birmingham	TAT Requested (days):
State, Zip: AL, 35243	
Phone: 205-992-6283	PO #:
Email: SCS Contacts Trey Singleton	WO #:
Project Name: Plant Watson	Project #: 18020186
Site:	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C Total Dissolved Solids	300_28Day Chloride Fluoride Sulfate	6020B/7470 Custom 23 (ApplII/ApplV+9) + Mercury	+ Fe Mg Na Al Mn K Sr Si and Silica	2320B Alkalinity, Total, Carb, Bicarb	9315_Ra226 Radium 226	9320_Ra228 Readium 228	Combined RAD	Total Number of containers	Special Instructions/Note:
			Preservation Code:													
APMW-3	3-25-24	1705	G	W	No		X	X	X	X	X	X	X	X		6
APMW-3D	3-26-24	1029	G	W	No		X	X	X	X	X	X	X	X		6
APMW-4	3-26-24	1412	G	W	No		X	X	X	X	X	X	X	X		6
APMW-6R	3-26-24	1600	G	W	No		X	X	X	X	X	X	X	X		6
APMW-4D	3-26-24	1209	G	W	No		X	X	X	X	X	X	X	X		6

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		3-26-24 1720	ROH ENV.		03/27/24 0955	EP.HNE
2	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
3	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.. | Cooler Temperature(s) °C and Other Remarks:

Ver 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

180-171665 Chain of Custody

eurofins Environment Testing America

Client Information		
Client Contact: SCS Contacts	Sampler: Rick Hagendorfer / TODD Vореis / Keith Krisman	Lab PM: Brown, Shali
Company: SCS	Phone: 850-336-0192	E-Mail: shali brown@eurofinset.com
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:	Page: 1 of 2
City: Birmingham	TAT Requested (days):	Job #:
State, Zip: AL, 35243		
Phone: 205-992-6283	PO #:	
Email: SCS Contacts - Trey Singleton / Annelyse Helms	WO #:	
Project Name: Plant Watson	Project #: 18020186	
Site:	SSOW#:	

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C Total Dissolved Solids	300_28Day Chloride Fluoride Sulfate	6020B/7470 Custom 23 (AppIII/AppIV+9) + Mercury	+ Fe Mg Na Al Mn K Sr Si and Silica	2320B Alkalinity, Total, Carb, Bicarb		9315_Ra226 Radium 226	9320_Ra228 Readium 228	Combined RAD					Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X														X	
APMW-6D	3-28-24	1106	G	W	NO		X	X	X	X	X		X	X	X					6	
APMW-8	3-28-24	1234	G	W	NO		X	X	X	X	X		X	X	X					6	
DUP-03	3-28-24	1134	G	W	NO		X	X	X	X	X		X	X	X					6	
APMW-9	3-28-24	1853	G	W	NO		X	X	X	X	X		X	X	X					6	
FB-02	3-28-24	1816	G	W	NO		X	X	X	X	X		X	X	X					6	
EB-02	3-28-24	1828	G	W	NO		X	X	X	X	X		X	X	X					6	
APMW-10	3-29-24	0920	G	W	NO		X	X	X	X	X		X	X	X					6	
DUP-04	3-29-24	0820	G	W	NO		X	X	X	X	X		X	X	X					6	
APMW-10D	3-29-24	1102	G	W	NO		X	X	X	X	X		X	X	X					6	
APMW-16	3-28-24	1133	G	W	NO		X	X	X	X	X		X	X	X					6	
APMW-15	3-28-24	1352	G	W	NO		X	X	X	X	X		X	X	X					6	

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:		
Relinquished by: [signature]	Date/Time: 3-29-24 1527	Company: ADH-ENV	Received by: [signature]	Date/Time: 3/30/24 0935	Company: ETA-PITT
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by	Date/Time:	Company:	Received by:	Date/Time:	Company:
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing America

Client Information			
Sampler: Rick Hagendorfer / Todd Vovers / Keith Krisman	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali brown@eurofinset.com	Page: 2 of 2
Company: SCS			Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:		
City: Birmingham	TAT Requested (days):		
State, Zip: AL, 35243			
Phone: 205-992-6283	PO #:		
Email: SCS Contacts Trey Singleton / Amelyse Helms	WO #:		
Project Name: Plant Watson	Project #: 18020186		
Site:	SSOW#:		

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C Total Dissolved Solids	300_28Day Chloride Fluoride Sulfate	6020B/7470 Custom 23 (AppIII/AppIV+9) + Mercury	+ Fe Mg Na Al Mn K Sr Si and Silica	2320B Alkalinity, Total, Carb, Bicarb	9315_Ra226 Radium 226	9320_Ra228 Readium 228	Combined RAD	Total Number of containers	Special Instructions/Note:
			Preservation Code:													
APMW-14	3-28-24	1606	G	W	No		X	X	X	X	X	X	X	X	6	
APMW-13	3-29-24	1015	G	W	No		X	X	X	X	X	X	X	X	6	
APMW-11	3-29-24	1255	G	W	No		X	X	X	X	X	X	X	X	6	
APMW-12	3-29-24	1418	G	W	No		X	X	X	X	X	X	X	X	6	

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA

M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ________ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:		
Relinquished by: [signature]	Date/Time: 3-29-24 1527	Company: Ashlew.	Received by: [signature]	Date/Time: 3/30/24 0935	Company: [signature]
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 180-510719 1
Client Contact: Shipping/Receiving	Phone	E-Mail: Shali Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc		Accreditations Required (See note)		Job #: 180-171665-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 5/6/2024			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email	WO #:			
Project Name: CCR - Plant Watson	Project #: 18020186			
Site	SSOW#:			

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
APMW-6D (180-171665-1)	3/28/24	11 06 Eastern		Water			X	X	X	2	
APMW-8 (180-171665-2)	3/28/24	12 34 Eastern		Water			X	X	X	2	
DUP-03 (180-171665-3)	3/28/24	11 34 Eastern		Water			X	X	X	2	
APMW-9 (180-171665-4)	3/28/24	18 53 Eastern		Water			X	X	X	2	
FB-02 (180-171665-5)	3/28/24	18 16 Eastern		Water			X	X	X	2	
EB-02 (180-171665-6)	3/28/24	18 28 Eastern		Water			X	X	X	2	
APMW-10 (180-171665-7)	3/29/24	09 20 Eastern		Water			X	X	X	2	
DUP-04 (180-171665-8)	3/29/24	08 20 Eastern		Water			X	X	X	2	
APMW-10D (180-171665-9)	3/29/24	11 02 Eastern		Water			X	X	X	2	

Note Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
[signature]	4-1-24 1700	[illegible]			
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Ver: 06/08/2021

5/3/2024

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone 412-963-7058 Fax 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM: Brown, Shali	Carrier Tracking No(s)	COC No: 180-510719 2
Client Contact: Shipping/Receiving	Phone	E-Mail: Shali Brown@et eurofinsus com	State of Origin: Georgia	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc		Accreditations Required (See note)		Job #: 180-171665-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 5/6/2024			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email	WO #:			
Project Name: CCR - Plant Watson	Project #: 18020186			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
APMW-16 (180-171665-10)	3/28/24	11 33 Eastern		Water			X	X	X	2	
APMW-15 (180-171665-11)	3/28/24	13 52 Eastern		Water			X	X	X	2	
APMW-14 (180-171665-12)	3/28/24	16 06 Eastern		Water			X	X	X	2	
APMW-13 (180-171665-13)	3/29/24	10 15 Eastern		Water			X	X	X	2	
APMW-11 (180-171665-14)	3/29/24	12 55 Eastern		Water			X	X	X	2	
APMW-12 (180-171665-15)	3/29/24	14 18 Eastern		Water			X	X	X	2	

Note Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	9-1-24 1700	[illegible]			
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Ver: 06/08/2021

5/3/2024

ORIGIN ID:BIXA (850) 336-0192
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR

PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 26MAR24
ACTWGT: 72.25 LB
CAD: 6993800/SSFE2500
DIMS: 24x13x14 IN

BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR

PITTSBURGH PA 15238
(850) 336-0192 REF:
INV:
PO: DEPT:

FedEx Express

E

Uncorrected temp	1.8	°C
Thermometer ID	22	
CF 0	Initials	PM

PT-WI-SR-001 effective 11/8/18

J241024011001uv

Part # 156297-435 RRD5 EXP 02/25

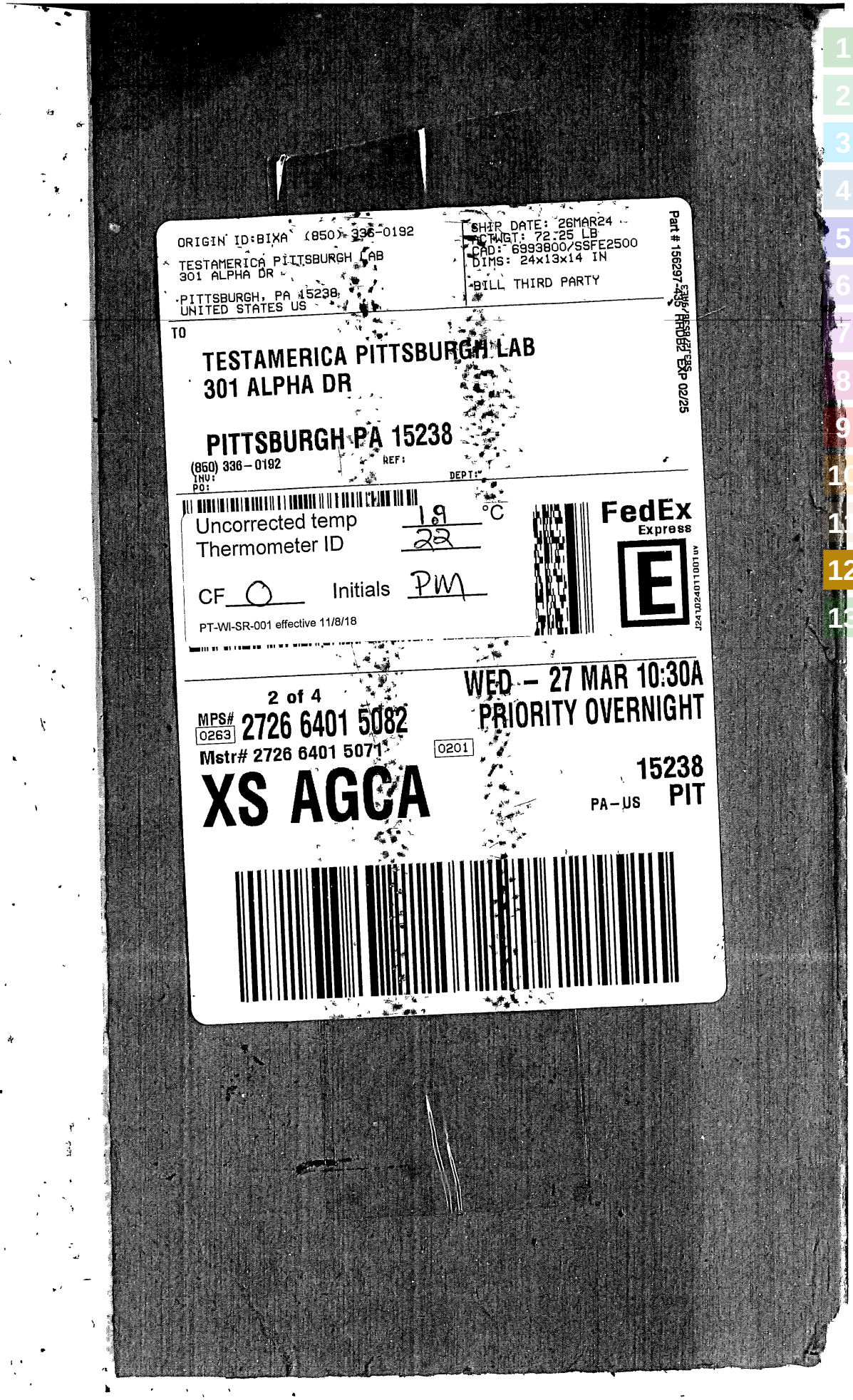
WED - 27 MAR 10:30A
PRIORITY OVERNIGHT

1 of 4
TRK# 0201 2726 6401 5071
MASTER

XS AGCA

15238
PA-US PIT

180-171486 Waybill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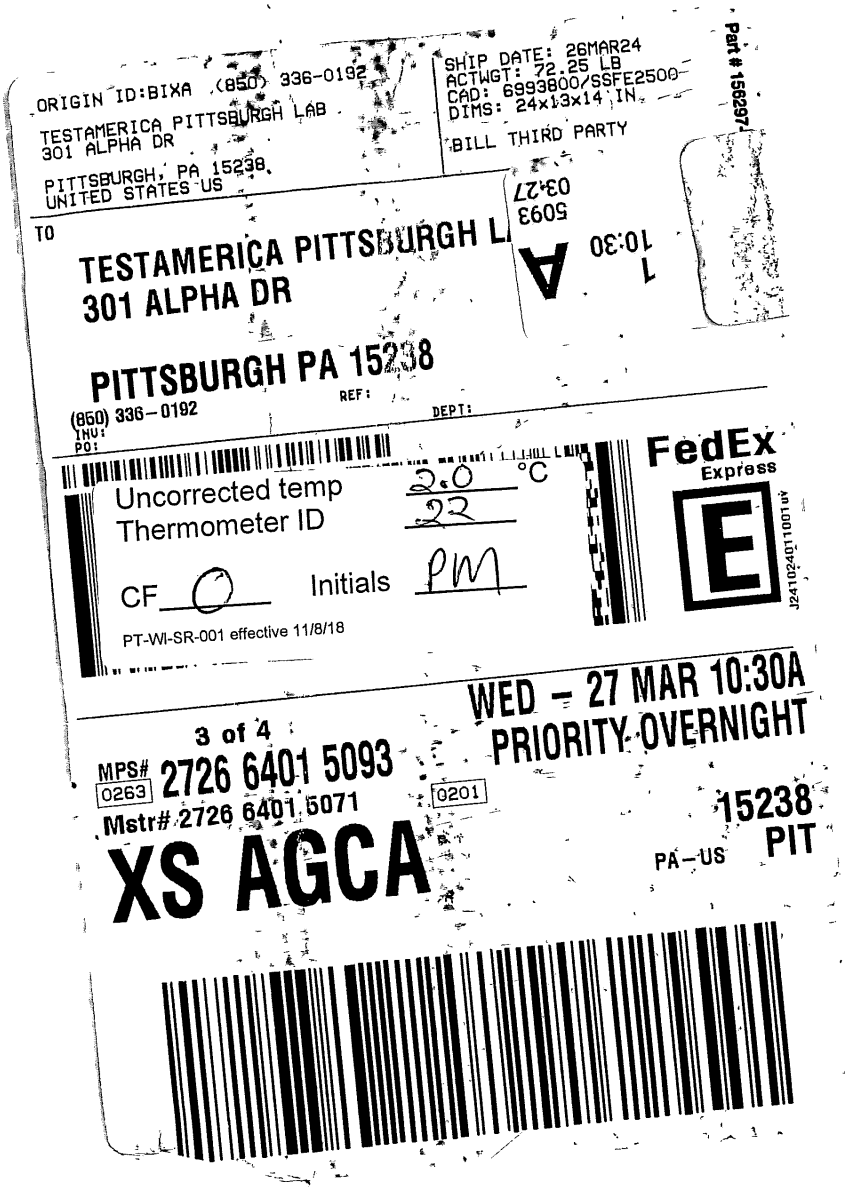
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US
SHIP DATE: 26MAR24
CTWGT: 72.25 LB
CAD: 6993800/SSFE2500
DIMS: 24x13x14 IN
BILL THIRD PARTY
TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH PA 15238
(850) 336-0192
INV:
PO:
REF:
DEPT:
Uncorrected temp 19 °C
Thermometer ID 22
CF 0 Initials PM
PT-WI-SR-001 effective 11/8/18
FedEx Express
2 of 4
MPS# 0263 2726 6401 5082
Mstr# 2726 6401 5071
0201
XS AGCA
WED - 27 MAR 10:30A
PRIORITY OVERNIGHT
15238
PA-US PIT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TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US
SHIP DATE: 26MAR24
ACTWGT: 72.25 LB
CAD: 6993800/SSFE2500
DIMS: 24x13x14 IN
BILL THIRD PARTY
Part # 158297
TO
TESTAMERICA PITTSBURGH L
301 ALPHA DR
PITTSBURGH PA 15238
(850) 336-0192
REF:
DEPT:
INV:
PO:
5093 6401 2726
03:27
A
10:30
1
Uncorrected temp 20 °C
Thermometer ID 22
CF 0 Initials PM
PT-WI-SR-001 effective 11/8/18
FedEx Express
J24102401100lu
3 of 4
MPS# 2726 6401 5093
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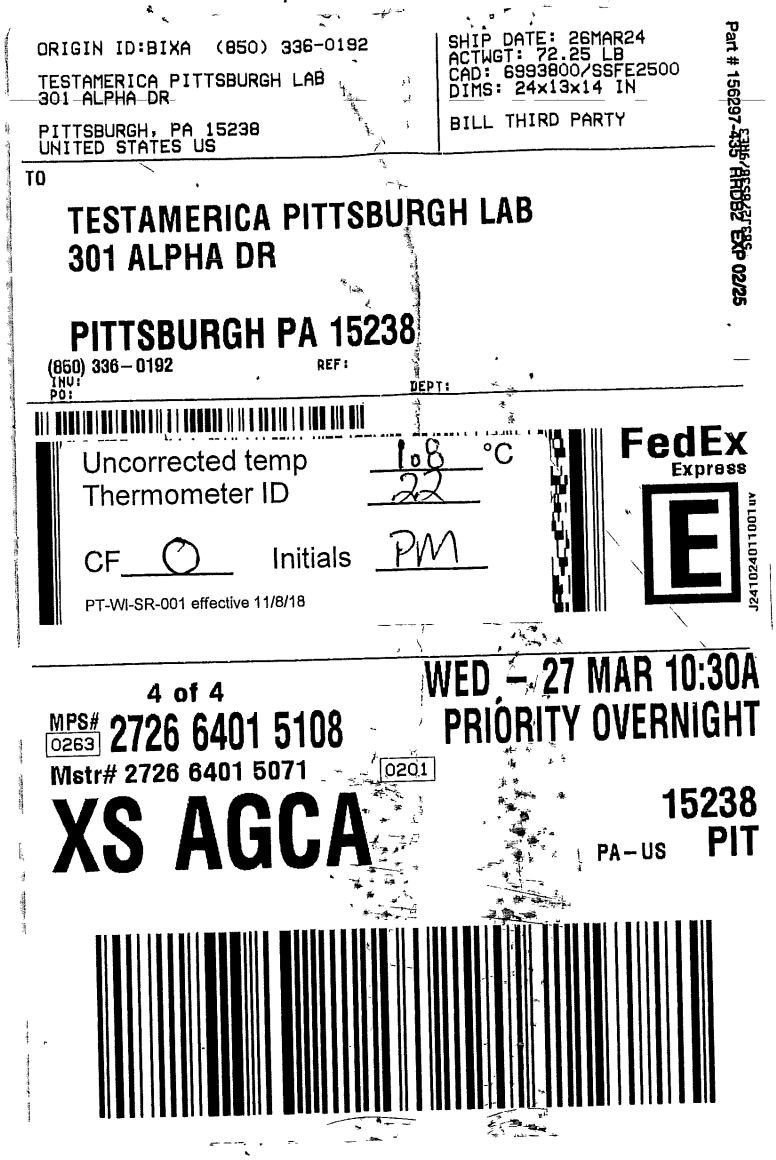
Mstr# 2726 6401 5071
0201
XS AGCA
WED - 27 MAR 10:30A
PRIORITY OVERNIGHT
15238
PA-US PIT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301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US
SHIP DATE: 26MAR24
ACTWGT: 72.25 LB
CAD: 6993800/SSFE2500
DIMS: 24x13x14 IN
BILL THIRD PARTY
Part # 156997-435 REV02 EXP 02/25
TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH PA 15238
(850) 336-0192
REF:
INV:
PO:
DEPT:
Uncorrected temp 10.8 °C
Thermometer ID 22
CF 0
Initials PM
PT-WI-SR-001 effective 11/8/18
FedEx
Express
J241024D1100
4 of 4
MPS# 0263 2726 6401 5108
Mstr# 2726 6401 5071
0201
XS AGCA
WED - 27 MAR 10:30A
PRIORITY OVERNIGHT
15238
PA-US PIT

ORIGIN ID:BIXA (999) 999-9999
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

BILL

TO
EUROFINS
301 ALPHA DRIVE

PITTSBURGH PA 15238
(999) 999-9999 REF:
INV:
PO: DEPT:

RT 639 1 12:00 A 4914 03.30 FZ

RT 639

Uncorrected temp 4.8 °C
Thermometer ID 21
CF -0.9 Initials RO
PT-WI-SR-001 effective 11/8/18

FedEx Express

E

J241024011001uv

2 of 5
MPS# 0263 **2727 9628 4914**
Mstr# 2727 9628 4903 0201

XO AGCA

SATURDAY 12:00P
PRIORITY OVERNIGHT
AHS
15238
PA-US **PIT**

Do not lift using this tag.

ORIGIN ID:BIXA (999) 999-9999
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 29MAR24
ACTWGT: 77.60 LB
CAD: 6993799/SSFE2500
DIMS: 25x14x14 IN
BILL THIRD PARTY

Part # 156297-435 RRDB2 EXP 02/25

TO
EUROFINS
301 ALPHA DRIVE

PITTSBURGH PA 15238
(999) 999-9999 REF:
INV:
PO: DEPT:

Uncorrected temp 4.3 °C
Thermometer ID 21
CF -0.9 Initials RO
PT-WI-SR-001 effective 11/8/18

FedEx Express

E

J241024011001uv

1 of 5
TRK# 0201 **2727 9628 4903**
MASTER

XO AGCA

SATURDAY 12:00P
PRIORITY OVERNIGHT
AHS
15238
PA-US **PIT**

180-171665 Waybill

Do not lift ...

ORIGIN ID:BIXA (999) 999-9999
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 29MAR24
ACTWGT: 77.60 LB
CAD: 6993799/SSFE2500
DIMS: 25x14x14 IN

BILL THIRD PARTY

Part # 156297-435 RMD/22 EXP 02/25

TO

EUROFINS
301 ALPHA DRIVE

PITTSBURGH PA 15238

(999) 999-9999 REF:
INV:
PO: DEPT:

Uncorrected temp 3.5 °C
Thermometer ID 21
CF -0.9 Initials RO
PT-WI-SR-001 effective 11/8/18

FedEx Express

J241024011001 AM

3 of 5

MPS# 0263 2727 9628 4925
Mstr# 2727 9628 4903
0201

XO AGCA

SATURDAY 12:00P
PRIORITY OVERNIGHT
AHS
15238
PIT
PA-US

Do not lift ...

ORIGIN ID:BIXA (999) 999-9999
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 29MAR24
ACTWGT: 77.60 LB
CAD: 6993799/SSFE2500
DIMS: 25x14x14 IN

BILL THIRD PARTY

TO

EUROFINS
301 ALPHA DRIVE

PITTSBURGH PA 15238

(999) 999-9999 REF:
INV:
PO: DEPT:

FedEx Expre

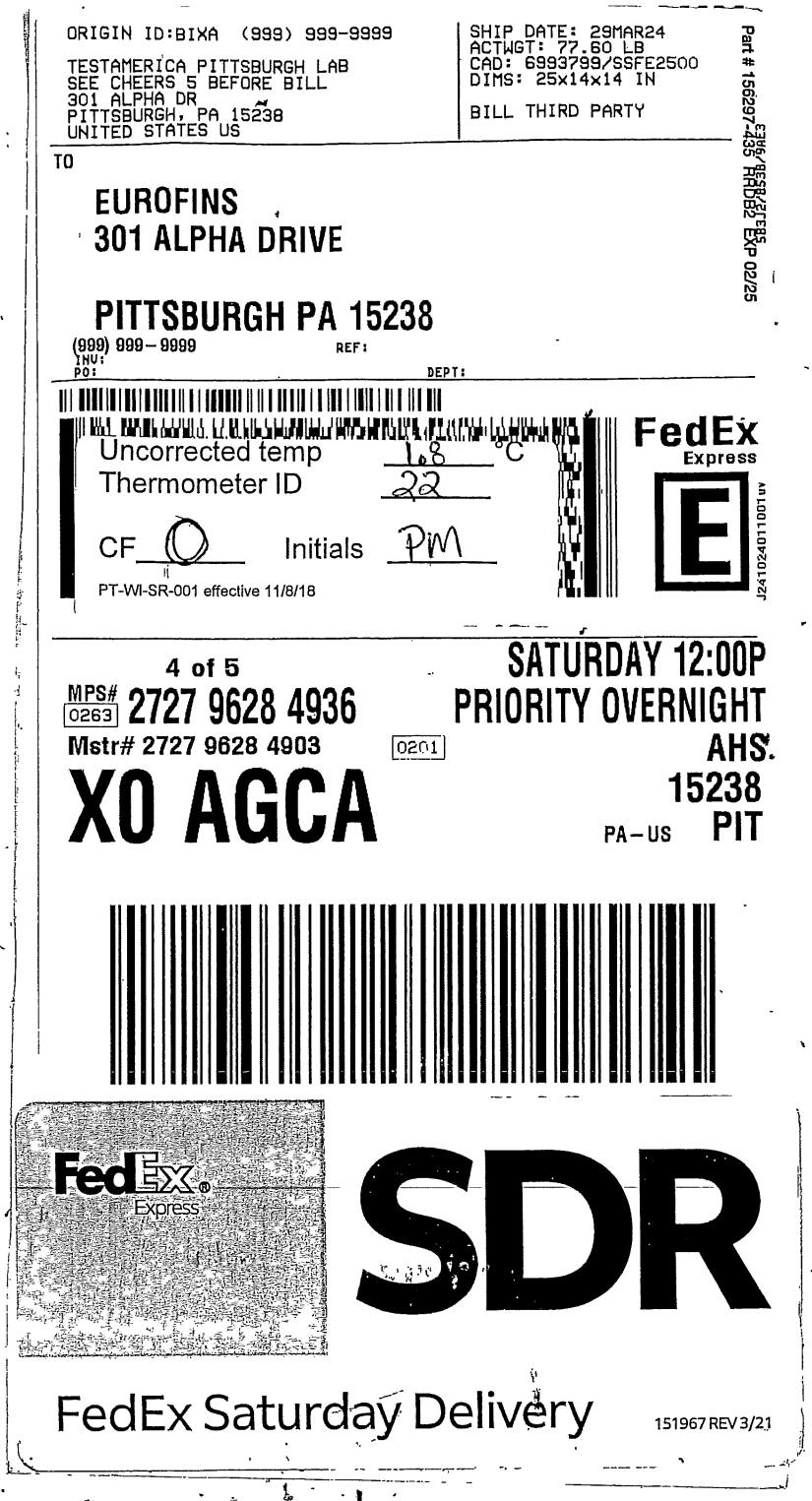
5 of 5

MPS# 0263 2727 9628 4947
Mstr# 2727 9628 4903
0201

XO AGCA

SATURDAY 12:0
PRIORITY OVERNIGI
AI
1523
P
PA-US

Uncorrected temp °C
Thermometer ID 2.9 #17



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TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 29MAR24
ACTWGT: 77.60 LB
CAD: 6993799/SSFE2500
DIMS: 25x14x14 IN

BILL THIRD PARTY

Part # 156297-435 HRD02 EXP 02/25

TO

EUROFINS
301 ALPHA DRIVE

PITTSBURGH PA 15238
(999) 999-9999 REF:
INV:
PO: DEPT:

Uncorrected temp 1.8 °C
Thermometer ID 22
CF 0 Initials PM
PT-WI-SR-001 effective 11/8/18

FedEx Express

4 of 5
MPS# 0263 2727 9628 4936
Mstr# 2727 9628 4903

SATURDAY 12:00P
PRIORITY OVERNIGHT
AHS.
15238
PA-US PIT

0201

XO AGCA

FedEx Express

SDR

FedEx Saturday Delivery

151967 REV 3/21

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-171486-1

Login Number: 171486
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-171486-1

Login Number: 171665
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

Question	Answer	Comment
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Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Robert (Trey) Singleton
Southern Company
3535 Colonnade Parkway
Bin S 530 EC
Birmingham, Alabama 35243

Generated 5/6/2024 4:47:19 PM

JOB DESCRIPTION

Plant Watson Ash Pond

JOB NUMBER

180-171486-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization

Generated
5/6/2024 4:47:19 PM

Authorized for release by
Shali Brown, Project Manager II
Shali.Brown@et.eurofinsus.com
(615)301-5031

Table of Contents

Job ID: 180-171486-2 — Eurofins Pittsburgh

Job Narrative
180-171486-2

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 3/27/2024 9:55 AM and 3/30/2024 9:35 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 9 coolers at receipt time were 1.8°C, 1.8°C, 1.8°C, 1.9°C, 2.0°C, 2.6°C, 2.9°C, 3.4°C and 3.9°C.

Gas Flow Proportional Counter
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Rad
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Definitions/Glossary

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-171486-2

Qualifiers

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-171486-2

Laboratory: Eurofins St. Louis

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-25
ANAB	Dept. of Defense ELAP	L2305	04-06-25
ANAB	Dept. of Energy	L2305.01	04-08-25
ANAB	ISO/IEC 17025	L2305	04-06-25
Arizona	State	AZ0813	12-08-24
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-24
Connecticut	State	PH-0241	03-31-25
Florida	NELAP	E87689	06-30-24
HI - RadChem Recognition	State	n/a	06-30-24
Illinois	NELAP	200023	11-30-24
Iowa	State	373	12-01-24
Kansas	NELAP	E-10236	10-31-24
Kentucky (DW)	State	KY90125	12-31-24
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-24
Louisiana	NELAP	04080	06-30-22 *
Louisiana (All)	NELAP	04080	06-30-24
Louisiana (DW)	State	LA011	12-31-24
Maryland	State	310	09-30-24
Massachusetts	State	M-MO054	06-30-24
MI - RadChem Recognition	State	9005	06-30-24
Missouri	State	780	06-30-25
Nevada	State	MO00054	07-31-24
New Jersey	NELAP	MO002	06-30-24
New Mexico	State	MO00054	06-30-24
New York	NELAP	11616	03-31-25
North Carolina (DW)	State	29700	07-31-24
North Dakota	State	R-207	06-30-24
Oklahoma	NELAP	9997	08-31-24
Oregon	NELAP	4157	09-01-24
Pennsylvania	NELAP	68-00540	02-28-25
South Carolina	State	85002001	06-30-24
Texas	NELAP	T104704193	07-31-24
US Fish & Wildlife	US Federal Programs	058448	07-31-24
USDA	US Federal Programs	P330-17-00028	05-18-26
Utah	NELAP	MO00054	07-31-24
Virginia	NELAP	10310	06-15-25
Washington	State	C592	08-30-24
West Virginia DEP	State	381	10-31-24

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-171486-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-171486-1	APMW-2	Water	03/25/24 13:48	03/27/24 09:55
180-171486-2	APMW-2D	Water	03/25/24 15:52	03/27/24 09:55
180-171486-3	APMW-5	Water	03/26/24 09:40	03/27/24 09:55
180-171486-4	APMW-5D	Water	03/26/24 12:04	03/27/24 09:55
180-171486-5	FB-01	Water	03/26/24 10:30	03/27/24 09:55
180-171486-6	EB-01	Water	03/26/24 10:38	03/27/24 09:55
180-171486-7	DUP-01	Water	03/25/24 12:48	03/27/24 09:55
180-171486-8	APMW-7	Water	03/26/24 14:45	03/27/24 09:55
180-171486-9	DUP-02	Water	03/26/24 13:45	03/27/24 09:55
180-171486-10	APMW-8D	Water	03/26/24 16:30	03/27/24 09:55
180-171486-11	APMW-1R	Water	03/25/24 13:35	03/27/24 09:55
180-171486-12	APMW-3	Water	03/25/24 17:05	03/27/24 09:55
180-171486-13	APMW-3D	Water	03/26/24 10:29	03/27/24 09:55
180-171486-14	APMW-4	Water	03/26/24 14:12	03/27/24 09:55
180-171486-15	APMW-6R	Water	03/26/24 16:00	03/27/24 09:55
180-171486-16	APMW-4D	Water	03/26/24 12:09	03/27/24 09:55
180-171665-1	APMW-6D	Water	03/28/24 11:06	03/30/24 09:35
180-171665-2	APMW-8	Water	03/28/24 12:34	03/30/24 09:35
180-171665-3	DUP-03	Water	03/28/24 11:34	03/30/24 09:35
180-171665-4	APMW-9	Water	03/28/24 18:53	03/30/24 09:35
180-171665-5	FB-02	Water	03/28/24 18:16	03/30/24 09:35
180-171665-6	EB-02	Water	03/28/24 18:28	03/30/24 09:35
180-171665-7	APMW-10	Water	03/29/24 09:20	03/30/24 09:35
180-171665-8	DUP-04	Water	03/29/24 08:20	03/30/24 09:35
180-171665-9	APMW-10D	Water	03/29/24 11:02	03/30/24 09:35
180-171665-10	APMW-16	Water	03/28/24 11:33	03/30/24 09:35
180-171665-11	APMW-15	Water	03/28/24 13:52	03/30/24 09:35
180-171665-12	APMW-14	Water	03/28/24 16:06	03/30/24 09:35
180-171665-13	APMW-13	Water	03/29/24 10:15	03/30/24 09:35
180-171665-14	APMW-11	Water	03/29/24 12:55	03/30/24 09:35
180-171665-15	APMW-12	Water	03/29/24 14:18	03/30/24 09:35

Method Summary

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-171486-2

Method	Method Description	Protocol	Laboratory
9315	Radium-226 (GFPC)	SW846	EET SL
9320	Radium-228 (GFPC)	SW846	EET SL
Ra226_Ra228	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-171486-2

Client Sample ID: APMW-2
Date Collected: 03/25/24 13:48
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			991.29 mL	1.0 g	654857	04/01/24 10:24	KAK	EET SL
Total/NA	Analysis	9315		1			659272	04/30/24 07:53	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			991.29 mL	1.0 g	654862	04/01/24 10:28	KAK	EET SL
Total/NA	Analysis	9320		1			659074	04/29/24 12:13	SCB	EET SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			660376	05/06/24 15:19	CAH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-2D
Date Collected: 03/25/24 15:52
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			997.58 mL	1.0 g	654857	04/01/24 10:24	KAK	EET SL
Total/NA	Analysis	9315		1			659272	04/30/24 07:53	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			997.58 mL	1.0 g	654862	04/01/24 10:28	KAK	EET SL
Total/NA	Analysis	9320		1			659074	04/29/24 12:13	SCB	EET SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			660376	05/06/24 15:19	CAH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-5
Date Collected: 03/26/24 09:40
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.51 mL	1.0 g	654857	04/01/24 10:24	KAK	EET SL
Total/NA	Analysis	9315		1			659272	04/30/24 07:53	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1000.51 mL	1.0 g	654862	04/01/24 10:28	KAK	EET SL
Total/NA	Analysis	9320		1			659074	04/29/24 12:13	SCB	EET SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			660376	05/06/24 15:19	CAH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-5D
Date Collected: 03/26/24 12:04
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			994.45 mL	1.0 g	654857	04/01/24 10:24	KAK	EET SL
Total/NA	Analysis	9315		1			659272	04/30/24 07:53	SCB	EET SL
	Instrument ID: GFPCPURPLE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-171486-2

Client Sample ID: APMW-5D

Date Collected: 03/26/24 12:04
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep_0			994.45 mL	1.0 g	654862	04/01/24 10:28	KAK	EET SL
Total/NA	Analysis	9320		1			659074	04/29/24 12:13	SCB	EET SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			660376	05/06/24 15:19	CAH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: FB-01

Date Collected: 03/26/24 10:30
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			999.20 mL	1.0 g	654857	04/01/24 10:24	KAK	EET SL
Total/NA	Analysis	9315		1			659272	04/30/24 09:38	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			999.20 mL	1.0 g	654862	04/01/24 10:28	KAK	EET SL
Total/NA	Analysis	9320		1			659074	04/29/24 12:13	SCB	EET SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			660376	05/06/24 15:19	CAH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: EB-01

Date Collected: 03/26/24 10:38
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			997.62 mL	1.0 g	654857	04/01/24 10:24	KAK	EET SL
Total/NA	Analysis	9315		1			659272	04/30/24 09:38	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			997.62 mL	1.0 g	654862	04/01/24 10:28	KAK	EET SL
Total/NA	Analysis	9320		1			659074	04/29/24 12:13	SCB	EET SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			660376	05/06/24 15:19	CAH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-01

Date Collected: 03/25/24 12:48
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			995.10 mL	1.0 g	654857	04/01/24 10:24	KAK	EET SL
Total/NA	Analysis	9315		1			659272	04/30/24 09:38	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			995.10 mL	1.0 g	654862	04/01/24 10:28	KAK	EET SL
Total/NA	Analysis	9320		1			659074	04/29/24 12:13	SCB	EET SL
	Instrument ID: GFPCORANGE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-171486-2

Client Sample ID: DUP-01
Date Collected: 03/25/24 12:48
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Ra226_Ra228		1			660376	05/06/24 15:19	CAH	EET SL

Client Sample ID: APMW-7
Date Collected: 03/26/24 14:45
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			750.30 mL	1.0 g	654857	04/01/24 10:24	KAK	EET SL
Total/NA	Analysis	9315		1			659272	04/30/24 09:38	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			750.30 mL	1.0 g	654862	04/01/24 10:28	KAK	EET SL
Total/NA	Analysis	9320		1			659074	04/29/24 12:13	SCB	EET SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			660376	05/06/24 15:19	CAH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-02
Date Collected: 03/26/24 13:45
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			750.72 mL	1.0 g	654857	04/01/24 10:24	KAK	EET SL
Total/NA	Analysis	9315		1			659272	04/30/24 09:38	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			750.72 mL	1.0 g	654862	04/01/24 10:28	KAK	EET SL
Total/NA	Analysis	9320		1			659074	04/29/24 12:13	SCB	EET SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			660376	05/06/24 15:19	CAH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-8D
Date Collected: 03/26/24 16:30
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			998.50 mL	1.0 g	654857	04/01/24 10:24	KAK	EET SL
Total/NA	Analysis	9315		1			659272	04/30/24 09:38	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			998.50 mL	1.0 g	654862	04/01/24 10:28	KAK	EET SL
Total/NA	Analysis	9320		1			659074	04/29/24 12:14	SCB	EET SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			660376	05/06/24 15:19	CAH	EET SL
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-171486-2

Client Sample ID: APMW-1R
Date Collected: 03/25/24 13:35
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			994.87 mL	1.0 g	654857	04/01/24 10:24	KAK	EET SL
Total/NA	Analysis	9315		1			659272	04/30/24 09:38	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			994.87 mL	1.0 g	654862	04/01/24 10:28	KAK	EET SL
Total/NA	Analysis	9320		1			659074	04/29/24 12:14	SCB	EET SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			660376	05/06/24 15:19	CAH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-3
Date Collected: 03/25/24 17:05
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.51 mL	1.0 g	654857	04/01/24 10:24	KAK	EET SL
Total/NA	Analysis	9315		1			659271	04/30/24 09:51	SCB	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1000.51 mL	1.0 g	654862	04/01/24 10:28	KAK	EET SL
Total/NA	Analysis	9320		1			659074	04/29/24 12:14	SCB	EET SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			660376	05/06/24 15:19	CAH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-3D
Date Collected: 03/26/24 10:29
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			996.32 mL	1.0 g	654857	04/01/24 10:24	KAK	EET SL
Total/NA	Analysis	9315		1			659271	04/30/24 09:51	SCB	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			996.32 mL	1.0 g	654862	04/01/24 10:28	KAK	EET SL
Total/NA	Analysis	9320		1			659064	04/29/24 12:18	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			660376	05/06/24 15:19	CAH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-4
Date Collected: 03/26/24 14:12
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			754.32 mL	1.0 g	654857	04/01/24 10:24	KAK	EET SL
Total/NA	Analysis	9315		1			659271	04/30/24 09:51	SCB	EET SL
	Instrument ID: GFPCBLUE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-171486-2

Client Sample ID: APMW-4
Date Collected: 03/26/24 14:12
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep_0			754.32 mL	1.0 g	654862	04/01/24 10:28	KAK	EET SL
Total/NA	Analysis	9320		1			659064	04/29/24 12:18	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			660376	05/06/24 15:19	CAH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-6R
Date Collected: 03/26/24 16:00
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			994.59 mL	1.0 g	654857	04/01/24 10:24	KAK	EET SL
Total/NA	Analysis	9315		1			659271	04/30/24 09:51	SCB	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			994.59 mL	1.0 g	654862	04/01/24 10:28	KAK	EET SL
Total/NA	Analysis	9320		1			659064	04/29/24 12:18	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			660376	05/06/24 15:19	CAH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-4D
Date Collected: 03/26/24 12:09
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1003.90 mL	1.0 g	654857	04/01/24 10:24	KAK	EET SL
Total/NA	Analysis	9315		1			659271	04/30/24 09:51	SCB	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1003.90 mL	1.0 g	654862	04/01/24 10:28	KAK	EET SL
Total/NA	Analysis	9320		1			659064	04/29/24 12:18	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			660376	05/06/24 15:19	CAH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-6D
Date Collected: 03/28/24 11:06
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			999.43 mL	1.0 g	655458	04/04/24 10:24	KAK	EET SL
Total/NA	Analysis	9315		1			659976	05/03/24 07:27	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			999.43 mL	1.0 g	655459	04/04/24 10:28	KAK	EET SL
Total/NA	Analysis	9320		1			659274	04/30/24 12:37	SCB	EET SL
	Instrument ID: GFPCORANGE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-171486-2

Client Sample ID: APMW-6D
Date Collected: 03/28/24 11:06
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Ra226_Ra228		1			660375	05/06/24 15:07	CAH	EET SL

Client Sample ID: APMW-8
Date Collected: 03/28/24 12:34
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			998.57 mL	1.0 g	655458	04/04/24 10:24	KAK	EET SL
Total/NA	Analysis	9315		1			659976	05/03/24 07:27	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			998.57 mL	1.0 g	655459	04/04/24 10:28	KAK	EET SL
Total/NA	Analysis	9320		1			659274	04/30/24 12:37	SCB	EET SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			660375	05/06/24 15:07	CAH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-03
Date Collected: 03/28/24 11:34
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			991.42 mL	1.0 g	655458	04/04/24 10:24	KAK	EET SL
Total/NA	Analysis	9315		1			659976	05/03/24 07:27	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			991.42 mL	1.0 g	655459	04/04/24 10:28	KAK	EET SL
Total/NA	Analysis	9320		1			659274	04/30/24 12:38	SCB	EET SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			660375	05/06/24 15:07	CAH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-9
Date Collected: 03/28/24 18:53
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			997.79 mL	1.0 g	655458	04/04/24 10:24	KAK	EET SL
Total/NA	Analysis	9315		1			659976	05/03/24 07:27	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			997.79 mL	1.0 g	655459	04/04/24 10:28	KAK	EET SL
Total/NA	Analysis	9320		1			659274	04/30/24 12:38	SCB	EET SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			660375	05/06/24 15:07	CAH	EET SL
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-171486-2

Client Sample ID: FB-02
Date Collected: 03/28/24 18:16
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			995.81 mL	1.0 g	655458	04/04/24 10:24	KAK	EET SL
Total/NA	Analysis	9315		1			659976	05/03/24 07:27	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			995.81 mL	1.0 g	655459	04/04/24 10:28	KAK	EET SL
Total/NA	Analysis	9320		1			659274	04/30/24 12:38	SCB	EET SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			660375	05/06/24 15:07	CAH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: EB-02
Date Collected: 03/28/24 18:28
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1004.28 mL	1.0 g	655458	04/04/24 10:24	KAK	EET SL
Total/NA	Analysis	9315		1			659976	05/03/24 07:27	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1004.28 mL	1.0 g	655459	04/04/24 10:28	KAK	EET SL
Total/NA	Analysis	9320		1			659274	04/30/24 12:38	SCB	EET SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			660375	05/06/24 15:07	CAH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-10
Date Collected: 03/29/24 09:20
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			994.68 mL	1.0 g	655458	04/04/24 10:24	KAK	EET SL
Total/NA	Analysis	9315		1			659976	05/03/24 09:20	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			994.68 mL	1.0 g	655459	04/04/24 10:28	KAK	EET SL
Total/NA	Analysis	9320		1			659274	04/30/24 12:38	SCB	EET SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			660375	05/06/24 15:07	CAH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-04
Date Collected: 03/29/24 08:20
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1003.23 mL	1.0 g	655458	04/04/24 10:24	KAK	EET SL
Total/NA	Analysis	9315		1			659976	05/03/24 09:20	SCB	EET SL
	Instrument ID: GFPCPURPLE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-171486-2

Client Sample ID: DUP-04

Lab Sample ID: 180-171665-8
Date Collected: 03/29/24 08:20
Matrix: Water
Date Received: 03/30/24 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep_0			1003.23 mL	1.0 g	655459	04/04/24 10:28	KAK	EET SL
Total/NA	Analysis	9320		1			659274	04/30/24 12:38	SCB	EET SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			660375	05/06/24 15:07	CAH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-10D

Lab Sample ID: 180-171665-9
Date Collected: 03/29/24 11:02
Matrix: Water
Date Received: 03/30/24 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			996.28 mL	1.0 g	655458	04/04/24 10:24	KAK	EET SL
Total/NA	Analysis	9315		1			659976	05/03/24 09:20	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			996.28 mL	1.0 g	655459	04/04/24 10:28	KAK	EET SL
Total/NA	Analysis	9320		1			659274	04/30/24 12:38	SCB	EET SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			660375	05/06/24 15:07	CAH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-16

Lab Sample ID: 180-171665-10
Date Collected: 03/28/24 11:33
Matrix: Water
Date Received: 03/30/24 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			751.57 mL	1.0 g	655458	04/04/24 10:24	KAK	EET SL
Total/NA	Analysis	9315		1			659976	05/03/24 09:20	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			751.57 mL	1.0 g	655459	04/04/24 10:28	KAK	EET SL
Total/NA	Analysis	9320		1			659274	04/30/24 12:39	SCB	EET SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			660375	05/06/24 15:07	CAH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-15

Lab Sample ID: 180-171665-11
Date Collected: 03/28/24 13:52
Matrix: Water
Date Received: 03/30/24 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			754.61 mL	1.0 g	655458	04/04/24 10:24	KAK	EET SL
Total/NA	Analysis	9315		1			659976	05/03/24 09:21	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			754.61 mL	1.0 g	655459	04/04/24 10:28	KAK	EET SL
Total/NA	Analysis	9320		1			659274	04/30/24 12:39	SCB	EET SL
	Instrument ID: GFPCORANGE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-171486-2

Client Sample ID: APMW-15
Date Collected: 03/28/24 13:52
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Ra226_Ra228		1			660375	05/06/24 15:07	CAH	EET SL

Client Sample ID: APMW-14
Date Collected: 03/28/24 16:06
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			991.88 mL	1.0 g	655458	04/04/24 10:24	KAK	EET SL
Total/NA	Analysis	9315		1			659976	05/03/24 09:21	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			991.88 mL	1.0 g	655459	04/04/24 10:28	KAK	EET SL
Total/NA	Analysis	9320		1			659274	04/30/24 12:39	SCB	EET SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			660375	05/06/24 15:07	CAH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-13
Date Collected: 03/29/24 10:15
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			998.29 mL	1.0 g	655458	04/04/24 10:24	KAK	EET SL
Total/NA	Analysis	9315		1			659976	05/03/24 09:21	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			998.29 mL	1.0 g	655459	04/04/24 10:28	KAK	EET SL
Total/NA	Analysis	9320		1			659273	04/30/24 12:35	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			660375	05/06/24 15:07	CAH	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: APMW-11
Date Collected: 03/29/24 12:55
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			994.46 mL	1.0 g	655458	04/04/24 10:24	KAK	EET SL
Total/NA	Analysis	9315		1			659960	05/03/24 09:16	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			994.46 mL	1.0 g	655459	04/04/24 10:28	KAK	EET SL
Total/NA	Analysis	9320		1			659273	04/30/24 12:35	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			660375	05/06/24 15:07	CAH	EET SL
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-171486-2

Client Sample ID: APMW-12

Date Collected: 03/29/24 14:18
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			992.21 mL	1.0 g	655458	04/04/24 10:24	KAK	EET SL
Total/NA	Analysis	9315		1			659960	05/03/24 09:16	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			992.21 mL	1.0 g	655459	04/04/24 10:28	KAK	EET SL
Total/NA	Analysis	9320		1			659273	04/30/24 12:35	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			660375	05/06/24 15:07	CAH	EET SL
	Instrument ID: NOEQUIP									

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Analyst References:

Lab: EET SL

Batch Type: Prep

KAK = Kayla King

Batch Type: Analysis

CAH = Chris Hough

SCB = Sarah Bernsen

SWS = Seth Stubblefield

Client Sample ID: APMW-2

Date Collected: 03/25/24 13:48
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-1

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	11.3		0.860	1.33	1.00	0.243	pCi/L	04/01/24 10:24	04/30/24 07:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*103*		*30 - 110*	*04/01/24 10:24*	*04/30/24 07:53*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	8.59		0.906	1.20	1.00	0.499	pCi/L	04/01/24 10:28	04/29/24 12:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*103*		*30 - 110*	*04/01/24 10:28*	*04/29/24 12:13*	*1*
Y Carrier	*74.4*		*30 - 110*	*04/01/24 10:28*	*04/29/24 12:13*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	19.9		1.25	1.79	5.00	0.499	pCi/L		05/06/24 15:19	1

Client Sample ID: APMW-2D

Date Collected: 03/25/24 15:52
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-2

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0494	U	0.151	0.151	1.00	0.282	pCi/L	04/01/24 10:24	04/30/24 07:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.3*		*30 - 110*	*04/01/24 10:24*	*04/30/24 07:53*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.802**		0.411	0.417	1.00	0.564	pCi/L	04/01/24 10:28	04/29/24 12:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.3*		*30 - 110*	*04/01/24 10:28*	*04/29/24 12:13*	*1*
Y Carrier	*73.3*		*30 - 110*	*04/01/24 10:28*	*04/29/24 12:13*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.851**		0.438	0.443	5.00	0.564	pCi/L		05/06/24 15:19	1

Client Sample ID: APMW-5

Date Collected: 03/26/24 09:40
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-3

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.678		0.242	0.250	1.00	0.239	pCi/L	04/01/24 10:24	04/30/24 07:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.5*		*30 - 110*	*04/01/24 10:24*	*04/30/24 07:53*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	4.62		0.688	0.809	1.00	0.484	pCi/L	04/01/24 10:28	04/29/24 12:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.5*		*30 - 110*	*04/01/24 10:28*	*04/29/24 12:13*	*1*
Y Carrier	*78.1*		*30 - 110*	*04/01/24 10:28*	*04/29/24 12:13*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	5.30		0.729	0.847	5.00	0.484	pCi/L		05/06/24 15:19	1

Client Sample ID: APMW-5D

Date Collected: 03/26/24 12:04
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-4

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.227	U	0.179	0.180	1.00	0.261	pCi/L	04/01/24 10:24	04/30/24 07:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.0*		*30 - 110*	*04/01/24 10:24*	*04/30/24 07:53*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.860**		0.377	0.385	1.00	0.486	pCi/L	04/01/24 10:28	04/29/24 12:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.0*		*30 - 110*	*04/01/24 10:28*	*04/29/24 12:13*	*1*
Y Carrier	*79.3*		*30 - 110*	*04/01/24 10:28*	*04/29/24 12:13*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**1.09**		0.417	0.425	5.00	0.486	pCi/L		05/06/24 15:19	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-171486-2

Client Sample ID: FB-01

Date Collected: 03/26/24 10:30
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-5

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.155	U	0.176	0.177	1.00	0.286	pCi/L	04/01/24 10:24	04/30/24 09:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.8*		*30 - 110*	*04/01/24 10:24*	*04/30/24 09:38*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0545	U	0.279	0.279	1.00	0.517	pCi/L	04/01/24 10:28	04/29/24 12:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.8*		*30 - 110*	*04/01/24 10:28*	*04/29/24 12:13*	*1*
Y Carrier	*78.9*		*30 - 110*	*04/01/24 10:28*	*04/29/24 12:13*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.210	U	0.330	0.330	5.00	0.517	pCi/L		05/06/24 15:19	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-171486-2

Client Sample ID: EB-01

Date Collected: 03/26/24 10:38
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-6

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0553	U	0.144	0.144	1.00	0.265	pCi/L	04/01/24 10:24	04/30/24 09:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.0*		*30 - 110*	*04/01/24 10:24*	*04/30/24 09:38*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.223	U	0.357	0.358	1.00	0.608	pCi/L	04/01/24 10:28	04/29/24 12:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.0*		*30 - 110*	*04/01/24 10:28*	*04/29/24 12:13*	*1*
Y Carrier	*76.3*		*30 - 110*	*04/01/24 10:28*	*04/29/24 12:13*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.278	U	0.385	0.386	5.00	0.608	pCi/L		05/06/24 15:19	1

Client Sample ID: DUP-01

Date Collected: 03/25/24 12:48
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-7

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	12.4		0.875	1.42	1.00	0.218	pCi/L	04/01/24 10:24	04/30/24 09:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*104*		*30 - 110*	*04/01/24 10:24*	*04/30/24 09:38*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	7.85		0.828	1.10	1.00	0.474	pCi/L	04/01/24 10:28	04/29/24 12:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*104*		*30 - 110*	*04/01/24 10:28*	*04/29/24 12:13*	*1*
Y Carrier	*80.7*		*30 - 110*	*04/01/24 10:28*	*04/29/24 12:13*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	20.2		1.20	1.80	5.00	0.474	pCi/L		05/06/24 15:19	1

Client Sample ID: APMW-7

Date Collected: 03/26/24 14:45
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-8

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.45		0.488	0.536	1.00	0.329	pCi/L	04/01/24 10:24	04/30/24 09:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.0*		*30 - 110*	*04/01/24 10:24*	*04/30/24 09:38*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	5.02		0.856	0.972	1.00	0.693	pCi/L	04/01/24 10:28	04/29/24 12:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.0*		*30 - 110*	*04/01/24 10:28*	*04/29/24 12:13*	*1*
Y Carrier	*77.0*		*30 - 110*	*04/01/24 10:28*	*04/29/24 12:13*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	7.47		0.985	1.11	5.00	0.693	pCi/L		05/06/24 15:19	1

Client Sample ID: DUP-02

Date Collected: 03/26/24 13:45
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-9

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.45		0.490	0.537	1.00	0.344	pCi/L	04/01/24 10:24	04/30/24 09:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.8*		*30 - 110*	*04/01/24 10:24*	*04/30/24 09:38*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	3.91		0.790	0.868	1.00	0.690	pCi/L	04/01/24 10:28	04/29/24 12:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.8*		*30 - 110*	*04/01/24 10:28*	*04/29/24 12:13*	*1*
Y Carrier	*71.8*		*30 - 110*	*04/01/24 10:28*	*04/29/24 12:13*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	6.36		0.930	1.02	5.00	0.690	pCi/L		05/06/24 15:19	1

Client Sample ID: APMW-8D

Date Collected: 03/26/24 16:30
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-10

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.227	U	0.170	0.171	1.00	0.241	pCi/L	04/01/24 10:24	04/30/24 09:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.0*		*30 - 110*	*04/01/24 10:24*	*04/30/24 09:38*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.574**		0.353	0.357	1.00	0.514	pCi/L	04/01/24 10:28	04/29/24 12:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.0*		*30 - 110*	*04/01/24 10:28*	*04/29/24 12:14*	*1*
Y Carrier	*81.9*		*30 - 110*	*04/01/24 10:28*	*04/29/24 12:14*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.801**		0.392	0.396	5.00	0.514	pCi/L		05/06/24 15:19	1

Client Sample ID: APMW-1R

Date Collected: 03/25/24 13:35
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-11

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	7.12		0.716	0.960	1.00	0.261	pCi/L	04/01/24 10:24	04/30/24 09:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.3*		*30 - 110*	*04/01/24 10:24*	*04/30/24 09:38*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	7.60		0.906	1.14	1.00	0.540	pCi/L	04/01/24 10:28	04/29/24 12:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.3*		*30 - 110*	*04/01/24 10:28*	*04/29/24 12:14*	*1*
Y Carrier	*75.1*		*30 - 110*	*04/01/24 10:28*	*04/29/24 12:14*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	14.7		1.15	1.49	5.00	0.540	pCi/L		05/06/24 15:19	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-171486-2

Client Sample ID: APMW-3

Date Collected: 03/25/24 17:05
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-12

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.784		0.265	0.274	1.00	0.258	pCi/L	04/01/24 10:24	04/30/24 09:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.8*		*30 - 110*	*04/01/24 10:24*	*04/30/24 09:51*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	6.07		0.812	0.985	1.00	0.553	pCi/L	04/01/24 10:28	04/29/24 12:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.8*		*30 - 110*	*04/01/24 10:28*	*04/29/24 12:14*	*1*
Y Carrier	*77.0*		*30 - 110*	*04/01/24 10:28*	*04/29/24 12:14*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	6.85		0.854	1.02	5.00	0.553	pCi/L		05/06/24 15:19	1

Client Sample ID: APMW-3D

Date Collected: 03/26/24 10:29
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-13

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.511**		0.247	0.251	1.00	0.301	pCi/L	04/01/24 10:24	04/30/24 09:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.3*		*30 - 110*	*04/01/24 10:24*	*04/30/24 09:51*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.283	U	0.399	0.400	1.00	0.671	pCi/L	04/01/24 10:28	04/29/24 12:18	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.3*		*30 - 110*	*04/01/24 10:28*	*04/29/24 12:18*	*1*
Y Carrier	*73.6*		*30 - 110*	*04/01/24 10:28*	*04/29/24 12:18*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.794**		0.469	0.472	5.00	0.671	pCi/L		05/06/24 15:19	1

Client Sample ID: APMW-4

Date Collected: 03/26/24 14:12
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-14

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.414		0.254	0.256	1.00	0.324	pCi/L	04/01/24 10:24	04/30/24 09:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.3*		*30 - 110*	*04/01/24 10:24*	*04/30/24 09:51*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.24		0.620	0.630	1.00	0.834	pCi/L	04/01/24 10:28	04/29/24 12:18	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.3*		*30 - 110*	*04/01/24 10:28*	*04/29/24 12:18*	*1*
Y Carrier	*69.2*		*30 - 110*	*04/01/24 10:28*	*04/29/24 12:18*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.66		0.670	0.680	5.00	0.834	pCi/L		05/06/24 15:19	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-171486-2

Client Sample ID: APMW-6R

Date Collected: 03/26/24 16:00
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-15

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.243	U	0.180	0.182	1.00	0.251	pCi/L	04/01/24 10:24	04/30/24 09:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.5*		*30 - 110*	*04/01/24 10:24*	*04/30/24 09:51*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**3.25**		0.677	0.740	1.00	0.608	pCi/L	04/01/24 10:28	04/29/24 12:18	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.5*		*30 - 110*	*04/01/24 10:28*	*04/29/24 12:18*	*1*
Y Carrier	*75.5*		*30 - 110*	*04/01/24 10:28*	*04/29/24 12:18*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**3.49**		0.701	0.762	5.00	0.608	pCi/L		05/06/24 15:19	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-171486-2

Client Sample ID: APMW-4D

Date Collected: 03/26/24 12:09
Date Received: 03/27/24 09:55

Lab Sample ID: 180-171486-16

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.846		0.267	0.278	1.00	0.220	pCi/L	04/01/24 10:24	04/30/24 09:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.3*		*30 - 110*	*04/01/24 10:24*	*04/30/24 09:51*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	7.87		0.974	1.21	1.00	0.676	pCi/L	04/01/24 10:28	04/29/24 12:18	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.3*		*30 - 110*	*04/01/24 10:28*	*04/29/24 12:18*	*1*
Y Carrier	*76.6*		*30 - 110*	*04/01/24 10:28*	*04/29/24 12:18*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	8.72		1.01	1.24	5.00	0.676	pCi/L		05/06/24 15:19	1

Client Sample ID: APMW-6D

Date Collected: 03/28/24 11:06
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-1

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.589**		0.177	0.185	1.00	0.156	pCi/L	04/04/24 10:24	05/03/24 07:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.0*		*30 - 110*	*04/04/24 10:24*	*05/03/24 07:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.421	U	0.318	0.320	1.00	0.481	pCi/L	04/04/24 10:28	04/30/24 12:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.0*		*30 - 110*	*04/04/24 10:28*	*04/30/24 12:37*	*1*
Y Carrier	*79.3*		*30 - 110*	*04/04/24 10:28*	*04/30/24 12:37*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**1.01**		0.364	0.370	5.00	0.481	pCi/L		05/06/24 15:07	1

Client Sample ID: APMW-8

Date Collected: 03/28/24 12:34
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-2

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.35		0.261	0.288	1.00	0.179	pCi/L	04/04/24 10:24	05/03/24 07:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.8*		*30 - 110*	*04/04/24 10:24*	*05/03/24 07:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	4.12		0.660	0.761	1.00	0.505	pCi/L	04/04/24 10:28	04/30/24 12:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.8*		*30 - 110*	*04/04/24 10:28*	*04/30/24 12:37*	*1*
Y Carrier	*83.0*		*30 - 110*	*04/04/24 10:28*	*04/30/24 12:37*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	5.47		0.710	0.814	5.00	0.505	pCi/L		05/06/24 15:07	1

Client Sample ID: DUP-03

Date Collected: 03/28/24 11:34
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-3

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.40		0.268	0.296	1.00	0.162	pCi/L	04/04/24 10:24	05/03/24 07:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.3*		*30 - 110*	*04/04/24 10:24*	*05/03/24 07:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	4.56		0.769	0.876	1.00	0.604	pCi/L	04/04/24 10:28	04/30/24 12:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.3*		*30 - 110*	*04/04/24 10:28*	*04/30/24 12:38*	*1*
Y Carrier	*74.4*		*30 - 110*	*04/04/24 10:28*	*04/30/24 12:38*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	5.96		0.814	0.925	5.00	0.604	pCi/L		05/06/24 15:07	1

Client Sample ID: APMW-9

Date Collected: 03/28/24 18:53
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-4

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.75		0.367	0.442	1.00	0.184	pCi/L	04/04/24 10:24	05/03/24 07:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.5*		*30 - 110*	*04/04/24 10:24*	*05/03/24 07:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	6.29		0.820	1.00	1.00	0.520	pCi/L	04/04/24 10:28	04/30/24 12:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.5*		*30 - 110*	*04/04/24 10:28*	*04/30/24 12:38*	*1*
Y Carrier	*77.8*		*30 - 110*	*04/04/24 10:28*	*04/30/24 12:38*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	9.04		0.898	1.09	5.00	0.520	pCi/L		05/06/24 15:07	1

Client Sample ID: FB-02

Date Collected: 03/28/24 18:16
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-5

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0331	U	0.0888	0.0888	1.00	0.165	pCi/L	04/04/24 10:24	05/03/24 07:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.3*		*30 - 110*	*04/04/24 10:24*	*05/03/24 07:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.720**		0.357	0.363	1.00	0.481	pCi/L	04/04/24 10:28	04/30/24 12:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.3*		*30 - 110*	*04/04/24 10:28*	*04/30/24 12:38*	*1*
Y Carrier	*78.9*		*30 - 110*	*04/04/24 10:28*	*04/30/24 12:38*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.753**		0.368	0.374	5.00	0.481	pCi/L		05/06/24 15:07	1

Client Sample ID: EB-02

Date Collected: 03/28/24 18:28
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-6

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.112	U	0.100	0.101	1.00	0.150	pCi/L	04/04/24 10:24	05/03/24 07:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.5*		*30 - 110*	*04/04/24 10:24*	*05/03/24 07:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0282	U	0.260	0.260	1.00	0.490	pCi/L	04/04/24 10:28	04/30/24 12:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.5*		*30 - 110*	*04/04/24 10:28*	*04/30/24 12:38*	*1*
Y Carrier	*75.1*		*30 - 110*	*04/04/24 10:28*	*04/30/24 12:38*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.141	U	0.279	0.279	5.00	0.490	pCi/L		05/06/24 15:07	1

Client Sample ID: APMW-10

Date Collected: 03/29/24 09:20
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-7

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.41		0.276	0.304	1.00	0.200	pCi/L	04/04/24 10:24	05/03/24 09:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.0*		*30 - 110*	*04/04/24 10:24*	*05/03/24 09:20*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.09		0.481	0.491	1.00	0.643	pCi/L	04/04/24 10:28	04/30/24 12:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.0*		*30 - 110*	*04/04/24 10:28*	*04/30/24 12:38*	*1*
Y Carrier	*78.1*		*30 - 110*	*04/04/24 10:28*	*04/30/24 12:38*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.50		0.555	0.577	5.00	0.643	pCi/L		05/06/24 15:07	1

Client Sample ID: DUP-04

Date Collected: 03/29/24 08:20
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-8

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.60		0.278	0.314	1.00	0.159	pCi/L	04/04/24 10:24	05/03/24 09:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.3*		*30 - 110*	*04/04/24 10:24*	*05/03/24 09:20*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.800		0.404	0.410	1.00	0.556	pCi/L	04/04/24 10:28	04/30/24 12:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.3*		*30 - 110*	*04/04/24 10:28*	*04/30/24 12:38*	*1*
Y Carrier	*78.9*		*30 - 110*	*04/04/24 10:28*	*04/30/24 12:38*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.40		0.490	0.516	5.00	0.556	pCi/L		05/06/24 15:07	1

Client Sample ID: APMW-10D

Date Collected: 03/29/24 11:02
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-9

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0133	U	0.0839	0.0839	1.00	0.177	pCi/L	04/04/24 10:24	05/03/24 09:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.3*		*30 - 110*	*04/04/24 10:24*	*05/03/24 09:20*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.476	U	0.333	0.336	1.00	0.496	pCi/L	04/04/24 10:28	04/30/24 12:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.3*		*30 - 110*	*04/04/24 10:28*	*04/30/24 12:38*	*1*
Y Carrier	*80.7*		*30 - 110*	*04/04/24 10:28*	*04/30/24 12:38*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.463	U	0.343	0.346	5.00	0.496	pCi/L		05/06/24 15:07	1

Client Sample ID: APMW-16

Date Collected: 03/28/24 11:33
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-10

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.730**		0.227	0.236	1.00	0.200	pCi/L	04/04/24 10:24	05/03/24 09:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.0*		*30 - 110*	*04/04/24 10:24*	*05/03/24 09:20*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.713	U	0.502	0.506	1.00	0.755	pCi/L	04/04/24 10:28	04/30/24 12:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.0*		*30 - 110*	*04/04/24 10:28*	*04/30/24 12:39*	*1*
Y Carrier	*75.5*		*30 - 110*	*04/04/24 10:28*	*04/30/24 12:39*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**1.44**		0.551	0.558	5.00	0.755	pCi/L		05/06/24 15:07	1

Client Sample ID: APMW-15

Date Collected: 03/28/24 13:52
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-11

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.417**		0.203	0.206	1.00	0.249	pCi/L	04/04/24 10:24	05/03/24 09:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.5*		*30 - 110*	*04/04/24 10:24*	*05/03/24 09:21*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.408	U	0.458	0.459	1.00	0.747	pCi/L	04/04/24 10:28	04/30/24 12:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.5*		*30 - 110*	*04/04/24 10:28*	*04/30/24 12:39*	*1*
Y Carrier	*76.3*		*30 - 110*	*04/04/24 10:28*	*04/30/24 12:39*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.825**		0.501	0.503	5.00	0.747	pCi/L		05/06/24 15:07	1

Client Sample ID: APMW-14

Date Collected: 03/28/24 16:06
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-12

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.64		0.293	0.328	1.00	0.179	pCi/L	04/04/24 10:24	05/03/24 09:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.5*		*30 - 110*	*04/04/24 10:24*	*05/03/24 09:21*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	3.93		0.710	0.797	1.00	0.601	pCi/L	04/04/24 10:28	04/30/24 12:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.5*		*30 - 110*	*04/04/24 10:28*	*04/30/24 12:39*	*1*
Y Carrier	*77.4*		*30 - 110*	*04/04/24 10:28*	*04/30/24 12:39*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	5.56		0.768	0.862	5.00	0.601	pCi/L		05/06/24 15:07	1

Client Sample ID: APMW-13

Date Collected: 03/29/24 10:15
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-13

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.14		0.260	0.279	1.00	0.181	pCi/L	04/04/24 10:24	05/03/24 09:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.0*		*30 - 110*	*04/04/24 10:24*	*05/03/24 09:21*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.84		0.584	0.609	1.00	0.685	pCi/L	04/04/24 10:28	04/30/24 12:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.0*		*30 - 110*	*04/04/24 10:28*	*04/30/24 12:35*	*1*
Y Carrier	*80.4*		*30 - 110*	*04/04/24 10:28*	*04/30/24 12:35*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.98		0.639	0.670	5.00	0.685	pCi/L		05/06/24 15:07	1

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-171486-2

Client Sample ID: APMW-11

Date Collected: 03/29/24 12:55
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-14

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.136		0.0998	0.101	1.00	0.136	pCi/L	04/04/24 10:24	05/03/24 09:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.0*		*30 - 110*	*04/04/24 10:24*	*05/03/24 09:16*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.310	U	0.301	0.302	1.00	0.479	pCi/L	04/04/24 10:28	04/30/24 12:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.0*		*30 - 110*	*04/04/24 10:28*	*04/30/24 12:35*	*1*
Y Carrier	*82.6*		*30 - 110*	*04/04/24 10:28*	*04/30/24 12:35*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.446	U	0.317	0.318	5.00	0.479	pCi/L		05/06/24 15:07	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Watson Ash Pond

Job ID: 180-171486-2

Client Sample ID: APMW-12

Date Collected: 03/29/24 14:18
Date Received: 03/30/24 09:35

Lab Sample ID: 180-171665-15

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.295**		0.154	0.156	1.00	0.202	pCi/L	04/04/24 10:24	05/03/24 09:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.3*		*30 - 110*	*04/04/24 10:24*	*05/03/24 09:16*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0205	U	0.295	0.295	1.00	0.567	pCi/L	04/04/24 10:28	04/30/24 12:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.3*		*30 - 110*	*04/04/24 10:28*	*04/30/24 12:35*	*1*
Y Carrier	*72.1*		*30 - 110*	*04/04/24 10:28*	*04/30/24 12:35*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.274	U	0.333	0.334	5.00	0.567	pCi/L		05/06/24 15:07	1

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-654857/1-A
Matrix: Water
Analysis Batch: 659271

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 654857

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.2438	U	0.182	0.183	1.00	0.260	pCi/L	04/01/24 10:24	04/30/24 08:01	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.8*		*30 - 110*	*04/01/24 10:24*	*04/30/24 08:01*	*1*

Lab Sample ID: LCS 160-654857/2-A
Matrix: Water
Analysis Batch: 659272

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 654857

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	10.51		1.27	1.00	0.256	pCi/L	93	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*97.0*		*30 - 110*

Lab Sample ID: 180-171486-16 DU
Matrix: Water
Analysis Batch: 659271

Client Sample ID: APMW-4D
Prep Type: Total/NA
Prep Batch: 654857

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.846			0.8350		0.283	1.00	0.238	pCi/L			0.02	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*84.8*		*30 - 110*

Lab Sample ID: MB 160-655458/1-A
Matrix: Water
Analysis Batch: 659976

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 655458

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.05599	U	0.107	0.107	1.00	0.189	pCi/L	04/04/24 10:24	05/03/24 07:27	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.5*		*30 - 110*	*04/04/24 10:24*	*05/03/24 07:27*	*1*

Lab Sample ID: LCS 160-655458/2-A
Matrix: Water
Analysis Batch: 659976

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 655458

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	10.28		1.14	1.00	0.154	pCi/L	91	75 - 125		

Method: 9315 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-655458/2-A
Matrix: Water
Analysis Batch: 659976

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 655458

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	96.8		30 - 110

Lab Sample ID: 180-171665-7 DU
Matrix: Water
Analysis Batch: 659976

Client Sample ID: APMW-10
Prep Type: Total/NA
Prep Batch: 655458

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	1.41			1.194		0.265	1.00	0.158	pCi/L			0.38	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	92.3		30 - 110

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-654862/1-A
Matrix: Water
Analysis Batch: 659074

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 654862

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.09361	U	0.308	0.308	1.00	0.595	pCi/L	04/01/24 10:28	04/29/24 12:12	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	93.8		30 - 110	04/01/24 10:28	04/29/24 12:12	1
Y Carrier	79.6		30 - 110	04/01/24 10:28	04/29/24 12:12	1

Lab Sample ID: LCS 160-654862/2-A
Matrix: Water
Analysis Batch: 659074

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 654862

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.99	9.383		1.26	1.00	0.443	pCi/L	104	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	97.0		30 - 110
Y Carrier	81.5		30 - 110

Lab Sample ID: 180-171486-16 DU
Matrix: Water
Analysis Batch: 659064

Client Sample ID: APMW-4D
Prep Type: Total/NA
Prep Batch: 654862

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	7.87			9.042		1.36	1.00	0.648	pCi/L			0.46	1

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: 180-171486-16 DU
Matrix: Water
Analysis Batch: 659064

Client Sample ID: APMW-4D
Prep Type: Total/NA
Prep Batch: 654862

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	84.8		30 - 110
Y Carrier	69.9		30 - 110

Lab Sample ID: MB 160-655459/1-A
Matrix: Water
Analysis Batch: 659274

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 655459

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.02976	U	0.267	0.267	1.00	0.499	pCi/L	04/04/24 10:28	04/30/24 12:37	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	93.5		30 - 110	04/04/24 10:28	04/30/24 12:37	1
Y Carrier	80.7		30 - 110	04/04/24 10:28	04/30/24 12:37	1

Lab Sample ID: LCS 160-655459/2-A
Matrix: Water
Analysis Batch: 659274

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 655459

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.98	9.365		1.29	1.00	0.593	pCi/L	104	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	96.8		30 - 110
Y Carrier	80.0		30 - 110

Lab Sample ID: 180-171665-7 DU
Matrix: Water
Analysis Batch: 659274

Client Sample ID: APMW-10
Prep Type: Total/NA
Prep Batch: 655459

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	1.09			0.9883		0.476	1.00	0.633	pCi/L			0.11	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	92.3		30 - 110
Y Carrier	69.9		30 - 110

Rad

Prep Batch: 654857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171486-1	APMW-2	Total/NA	Water	PrecSep-21	
180-171486-2	APMW-2D	Total/NA	Water	PrecSep-21	
180-171486-3	APMW-5	Total/NA	Water	PrecSep-21	
180-171486-4	APMW-5D	Total/NA	Water	PrecSep-21	
180-171486-5	FB-01	Total/NA	Water	PrecSep-21	
180-171486-6	EB-01	Total/NA	Water	PrecSep-21	
180-171486-7	DUP-01	Total/NA	Water	PrecSep-21	
180-171486-8	APMW-7	Total/NA	Water	PrecSep-21	
180-171486-9	DUP-02	Total/NA	Water	PrecSep-21	
180-171486-10	APMW-8D	Total/NA	Water	PrecSep-21	
180-171486-11	APMW-1R	Total/NA	Water	PrecSep-21	
180-171486-12	APMW-3	Total/NA	Water	PrecSep-21	
180-171486-13	APMW-3D	Total/NA	Water	PrecSep-21	
180-171486-14	APMW-4	Total/NA	Water	PrecSep-21	
180-171486-15	APMW-6R	Total/NA	Water	PrecSep-21	
180-171486-16	APMW-4D	Total/NA	Water	PrecSep-21	
MB 160-654857/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-654857/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
180-171486-16 DU	APMW-4D	Total/NA	Water	PrecSep-21	

Prep Batch: 654862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171486-1	APMW-2	Total/NA	Water	PrecSep_0	
180-171486-2	APMW-2D	Total/NA	Water	PrecSep_0	
180-171486-3	APMW-5	Total/NA	Water	PrecSep_0	
180-171486-4	APMW-5D	Total/NA	Water	PrecSep_0	
180-171486-5	FB-01	Total/NA	Water	PrecSep_0	
180-171486-6	EB-01	Total/NA	Water	PrecSep_0	
180-171486-7	DUP-01	Total/NA	Water	PrecSep_0	
180-171486-8	APMW-7	Total/NA	Water	PrecSep_0	
180-171486-9	DUP-02	Total/NA	Water	PrecSep_0	
180-171486-10	APMW-8D	Total/NA	Water	PrecSep_0	
180-171486-11	APMW-1R	Total/NA	Water	PrecSep_0	
180-171486-12	APMW-3	Total/NA	Water	PrecSep_0	
180-171486-13	APMW-3D	Total/NA	Water	PrecSep_0	
180-171486-14	APMW-4	Total/NA	Water	PrecSep_0	
180-171486-15	APMW-6R	Total/NA	Water	PrecSep_0	
180-171486-16	APMW-4D	Total/NA	Water	PrecSep_0	
MB 160-654862/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-654862/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
180-171486-16 DU	APMW-4D	Total/NA	Water	PrecSep_0	

Prep Batch: 655458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171665-1	APMW-6D	Total/NA	Water	PrecSep-21	
180-171665-2	APMW-8	Total/NA	Water	PrecSep-21	
180-171665-3	DUP-03	Total/NA	Water	PrecSep-21	
180-171665-4	APMW-9	Total/NA	Water	PrecSep-21	
180-171665-5	FB-02	Total/NA	Water	PrecSep-21	
180-171665-6	EB-02	Total/NA	Water	PrecSep-21	
180-171665-7	APMW-10	Total/NA	Water	PrecSep-21	

Rad (Continued)

Prep Batch: 655458 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171665-8	DUP-04	Total/NA	Water	PrecSep-21	
180-171665-9	APMW-10D	Total/NA	Water	PrecSep-21	
180-171665-10	APMW-16	Total/NA	Water	PrecSep-21	
180-171665-11	APMW-15	Total/NA	Water	PrecSep-21	
180-171665-12	APMW-14	Total/NA	Water	PrecSep-21	
180-171665-13	APMW-13	Total/NA	Water	PrecSep-21	
180-171665-14	APMW-11	Total/NA	Water	PrecSep-21	
180-171665-15	APMW-12	Total/NA	Water	PrecSep-21	
MB 160-655458/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-655458/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
180-171665-7 DU	APMW-10	Total/NA	Water	PrecSep-21	

Prep Batch: 655459

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171665-1	APMW-6D	Total/NA	Water	PrecSep_0	
180-171665-2	APMW-8	Total/NA	Water	PrecSep_0	
180-171665-3	DUP-03	Total/NA	Water	PrecSep_0	
180-171665-4	APMW-9	Total/NA	Water	PrecSep_0	
180-171665-5	FB-02	Total/NA	Water	PrecSep_0	
180-171665-6	EB-02	Total/NA	Water	PrecSep_0	
180-171665-7	APMW-10	Total/NA	Water	PrecSep_0	
180-171665-8	DUP-04	Total/NA	Water	PrecSep_0	
180-171665-9	APMW-10D	Total/NA	Water	PrecSep_0	
180-171665-10	APMW-16	Total/NA	Water	PrecSep_0	
180-171665-11	APMW-15	Total/NA	Water	PrecSep_0	
180-171665-12	APMW-14	Total/NA	Water	PrecSep_0	
180-171665-13	APMW-13	Total/NA	Water	PrecSep_0	
180-171665-14	APMW-11	Total/NA	Water	PrecSep_0	
180-171665-15	APMW-12	Total/NA	Water	PrecSep_0	
MB 160-655459/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-655459/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
180-171665-7 DU	APMW-10	Total/NA	Water	PrecSep_0	

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

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Client Information
Client Contact: SCS Contacts
Company: SCS
Address: 3535 Colonnade Pkwy Bin S 530 EC
City: Birmingham
State, Zip: AL, 35243
Phone: 205-992-6283
Email: SCS Contacts
Project Name: Plant Watson
Site:

Sampler: Rick / Todd / Keith Hayendorfs / Wes / Krisman
Phone: 850-336-0192
Due Date Requested:
TAT Requested (days):
PO #:
WO #:
Project #: 18020186
SSOW#:

Lab PM: Brown, Shali
E-Mail: shali brown@eurofinset com
Carrier Tracking No(s):
COC No:
Page: 1 of 2
Job #:

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

180-171486 Chain of Custody

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C Total Dissolved Solids	300_28Day Chloride Fluoride Sulfate	6020B/7470 Custom 23 (AppIII/AppIV+9) + Mercury	+ Fe Mg Na Al Mn K Sr Si and Silica	2320B Alkalinity, Total, Carb, Bicarb	9315_Ra226 Radium 226	9320_Ra228 Radium 228	Combined RAD	Total Number of containers	Special Instructions/Note:
				Preservation Code:												
APMW-2	3-25-24	1348	G	W	No		X	X	X	X	X	X	X	X	6	
APMW-2D	3-25-24	1552	G	W	No		X	X	X	X	X	X	X	X	6	
APMW-5	3-26-24	0940	G	W	No		X	X	X	X	X	X	X	X	6	
APMW-5D	3-26-24	1204	G	W	No		X	X	X	X	X	X	X	X	6	
FB-01	3-26-24	1030	G	W	No		X	X	X	X	X	X	X	X	6	
EB-01	3-26-24	1038	G	W	No		X	X	X	X	X	X	X	X	6	
Dup-01	3-25-24	1248	G	W	No		X	X	X	X	X	X	X	X	6	
APMW-7	3-26-24	1445	G	W	No		X	X	X	X	X	X	X	X	6	
Dup-02	3-26-24	1345	G	W	No		X	X	X	X	X	X	X	X	6	
APMW-8D	3-26-24	1630	G	W	No		X	X	X	X	X	X	X	X	6	
APMW-1R	3-25-24	1335	G	W	No		X	X	X	X	X	X	X	X	6	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ________ Months

Deliverable Requested I, II, III, IV, Other (specify)
Special Instructions/QC Requirements

Empty Kit Relinquished by:		Date:	Time:		Method of Shipment:
Relinquished by: [signature]	Date/Time: 3-26-24 1720	Company: ADH ENV.	Received by: [signature]	Date/Time: 03/27/24 0955	Company: EPitNE
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks:

Ver 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Rick Heyendorfer / Todd Voreis/Keith Parkman	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 2 of 2
Company: SCS				Job #:

Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:
City: Birmingham	TAT Requested (days):
State, Zip: AL, 35243	
Phone: 205-992-6283	PO #:
Email: SCS Contacts Trey Singleton	WO #:
Project Name: Plant Watson	Project #: 18020186
Site:	SSOW#:

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C Total Dissolved Solids	300_28Day Chloride Fluoride Sulfate	6020B/7470 Custom 23 (AppIII/AppIV+9) + Mercury	+ Fe Mg Na Al Mn K Sr Si and Silica	2320B Alkalinity, Total, Carb, Bicarb		9315_Ra226 Radium 226	9320_Ra228 Readium 228	Combined RAD					Total Number of containers	Special Instructions/Note:
			Preservation Code:																		
APMW-3	3-25-24	1705	G	W	N	N	X	X	X	X	X		X	X	X					6	
APMW-3D	3-26-24	1029	G	W	N	N	X	X	X	X	X		X	X	X					6	
APMW-4	3-26-24	1412	G	W	N	N	X	X	X	X	X		X	X	X					6	
APMW-6R	3-26-24	1600	G	W	N	N	X	X	X	X	X		X	X	X					6	
APMW-4D	3-26-24	1209	G	W	N	N	X	X	X	X	X		X	X	X					6	

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
		3-26-24 1720	ROH ENV.		03/27/24 0955	GP.HNE
	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No..	Cooler Temperature(s) °C and Other Remarks:

Ver 01/16/2019

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301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

180-171665 Chain of Custody

eurofins Environment Testing America

Client Information			
Client Contact: SCS Contacts	Sampler: Rick Hagendorfer / Todd Vories / Keith Krisman	Lab PM: Brown, Shali	Page: 1 of 2
Company: SCS	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com	Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:		
City: Birmingham	TAT Requested (days):		
State, Zip: AL, 35243			
Phone: 205-992-6283	PO #:		
Email: SCS Contacts · Trey Singleton / Annelyse Helms	WO #:		
Project Name: Plant Watson	Project #: 18020186		
Site:	SSOW#:		

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C Total Dissolved Solids	300_28Day Chloride Fluoride Sulfate	6020B/7470 Custom 23 (AppIII/AppIV+9) + Mercury	+ Fe Mg Na Al Mn K Sr Si and Silica	2320B Alkalinity, Total, Carb, Bicarb	9315_Ra226 Radium 226	9320_Ra228 Readium 228	Combined RAD	Total Number of containers	Special Instructions/Note:
			Preservation Code:													
APMW-6D	3-28-24	1106	G	W	NO		X	X	X	X	X	X	X	X	6	
APMW-8	3-28-24	1234	G	W	NO		X	X	X	X	X	X	X	X	6	
DUP-03	3-28-24	1134	G	W	NO		X	X	X	X	X	X	X	X	6	
APMW-9	3-28-24	1853	G	W	NO		X	X	X	X	X	X	X	X	6	
FB-02	3-28-24	1816	G	W	NO		X	X	X	X	X	X	X	X	6	
EB-02	3-28-24	1828	G	W	NO		X	X	X	X	X	X	X	X	6	
APMW-10	3-29-24	0920	G	W	NO		X	X	X	X	X	X	X	X	6	
DUP-04	3-29-24	0820	G	W	NO		X	X	X	X	X	X	X	X	6	
APMW-10D	3-29-24	1102	G	W	NO		X	X	X	X	X	X	X	X	6	
APMW-16	3-28-24	1133	G	W	NO		X	X	X	X	X	X	X	X	6	
APMW-15	3-28-24	1352	G	W	NO		X	X	X	X	X	X	X	X	6	

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ________ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	3-29-24 1527	[illegible]	[signature]	3/30/24 0935	[illegible]

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Rick Hagendorfer / Todd Vorreis / Keith Krisman	Lab PM: Brown, Shali	Carrier Tracking No(s):
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com	
COC No:	Page: 2 of 2	Job #:	
Company: SCS			
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:		
City: Birmingham	TAT Requested (days):		
State, Zip: AL, 35243			
Phone: 205-992-6283	PO #:		
Email: SCS Contacts Trey Singleton / Amelyse Helms	WO #:		
Project Name: Plant Watson	Project #: 18020186		
Site:	SSOW#:		

Analysis Requested

Preservation Codes:
A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA
M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C Total Dissolved Solids	300_28Day Chloride Fluoride Sulfate	6020B/7470 Custom 23 (AppIII/AppIV+9) + Mercury	+ Fe Mg Na Al Mn K Sr Si and Silica	2320B Alkalinity, Total, Carb, Bicarb	9315_Ra226 Radium 226	9320_Ra228 Readium 228	Combined RAD	Total Number of containers	Special Instructions/Note:
				Preservation Code:												
APMW-14	3-28-24	1606	G	W	No		X	X	X	X	X	X	X	X	6	
APMW-13	3-29-24	1015	G	W	No		X	X	X	X	X	X	X	X	6	
APMW-11	3-29-24	1255	G	W	No		X	X	X	X	X	X	X	X	6	
APMW-12	3-29-24	1418	G	W	No		X	X	X	X	X	X	X	X	6	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ________ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:		
Relinquished by: [signature]	Date/Time: 3-29-24 1527	Company: ADH ENV.	Received by: [signature]	Date/Time: 3/30/24 0935	Company: [signature]
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 180-510719 1
Client Contact: Shipping/Receiving	Phone	E-Mail: Shali Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc		Accreditations Required (See note)		Job #: 180-171665-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 5/6/2024			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email	WO #:			
Project Name: CCR - Plant Watson	Project #: 18020186			
Site	SSOW#:			

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
APMW-6D (180-171665-1)	3/28/24	11 06 Eastern		Water			X	X	X	2	
APMW-8 (180-171665-2)	3/28/24	12 34 Eastern		Water			X	X	X	2	
DUP-03 (180-171665-3)	3/28/24	11 34 Eastern		Water			X	X	X	2	
APMW-9 (180-171665-4)	3/28/24	18 53 Eastern		Water			X	X	X	2	
FB-02 (180-171665-5)	3/28/24	18 16 Eastern		Water			X	X	X	2	
EB-02 (180-171665-6)	3/28/24	18 28 Eastern		Water			X	X	X	2	
APMW-10 (180-171665-7)	3/29/24	09 20 Eastern		Water			X	X	X	2	
DUP-04 (180-171665-8)	3/29/24	08 20 Eastern		Water			X	X	X	2	
APMW-10D (180-171665-9)	3/29/24	11 02 Eastern		Water			X	X	X	2	

Note Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
[signature]	4-1-24 1700	[signature]			
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Ver: 06/08/2021

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone 412-963-7058 Fax 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM: Brown, Shali	Carrier Tracking No(s)	COC No: 180-510719 2
Client Contact: Shipping/Receiving	Phone	E-Mail: Shali Brown@et eurofinsus com	State of Origin: Georgia	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc		Accreditations Required (See note)		Job #: 180-171665-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 5/6/2024			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email	WO #:			
Project Name: CCR - Plant Watson	Project #: 18020186			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
APMW-16 (180-171665-10)	3/28/24	11 33 Eastern		Water			X	X	X	2	
APMW-15 (180-171665-11)	3/28/24	13 52 Eastern		Water			X	X	X	2	
APMW-14 (180-171665-12)	3/28/24	16 06 Eastern		Water			X	X	X	2	
APMW-13 (180-171665-13)	3/29/24	10 15 Eastern		Water			X	X	X	2	
APMW-11 (180-171665-14)	3/29/24	12 55 Eastern		Water			X	X	X	2	
APMW-12 (180-171665-15)	3/29/24	14 18 Eastern		Water			X	X	X	2	

Note Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	9-1-24 1700	[illegible]			
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Ver: 06/08/2021

ORIGIN ID:BIXA (850) 336-0192
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 26MAR24
ACTWGT: 72.25 LB
CAD: 6993800/SSFE2500
DIMS: 24x13x14 IN
BILL THIRD PARTY

TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH PA 15238
(850) 336-0192 REF:
INV:
PO: DEPT:

Uncorrected temp 1.8 °C
Thermometer ID 22
CF 0 Initials PM
PT-WI-SR-001 effective 11/8/18

FedEx Express
E

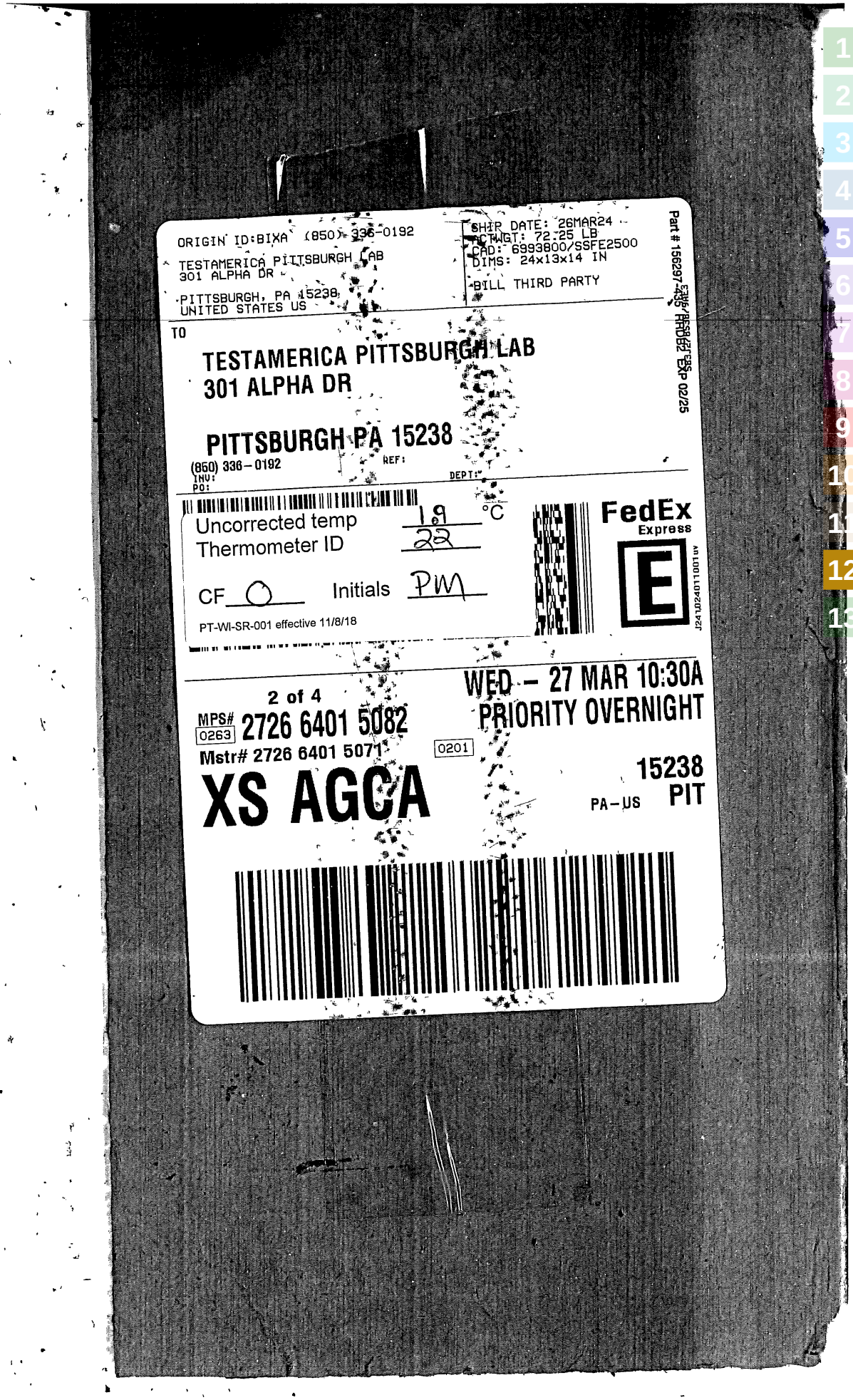
J241024011001uv

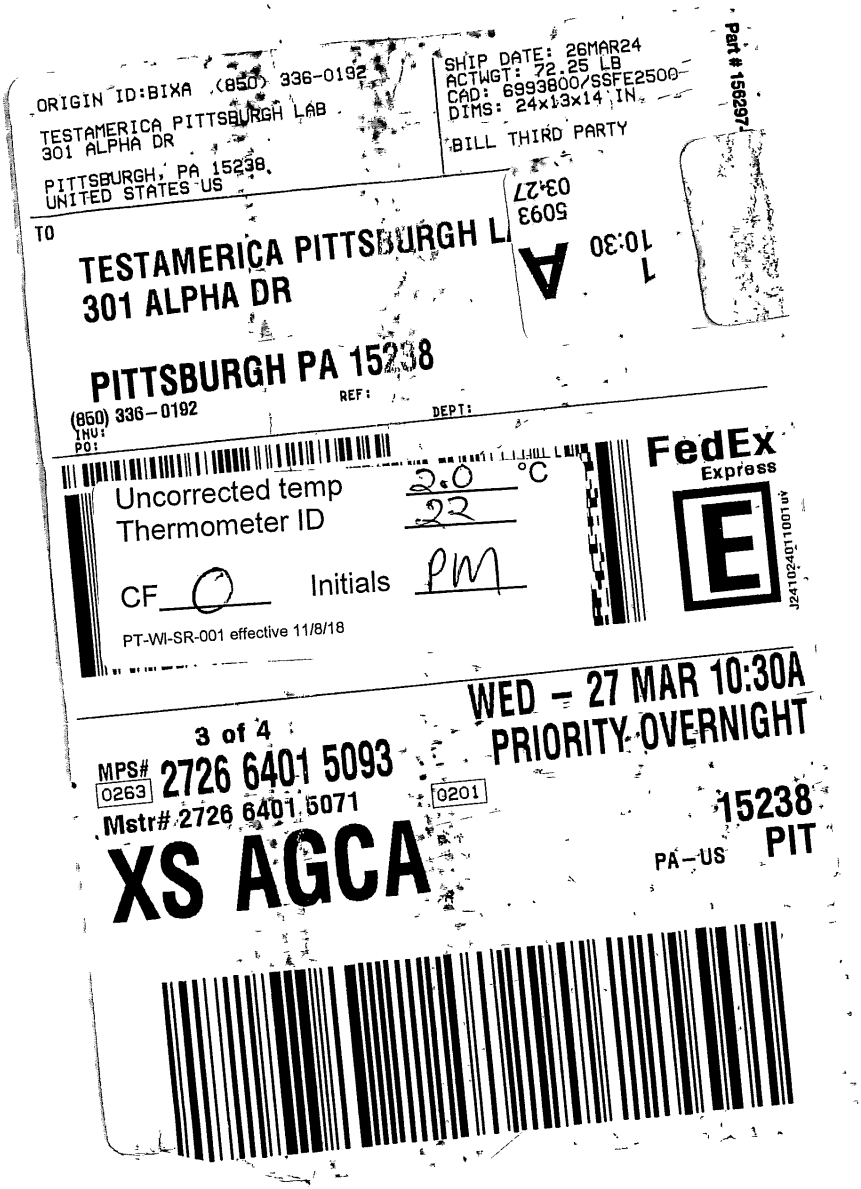
WED - 27 MAR 10:30A
PRIORITY OVERNIGHT

1 of 4
TRK# 0201 2726 6401 5071
MASTER
XS AGCA

15238
PA-US PIT

180-171486 Waybill


ORIGIN ID:BIXA (850) 336-0192
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US
SHIP DATE: 26MAR24
CTWGT: 72.25 LB
CAD: 6993800/SSFE2500
DIMS: 24x13x14 IN
BILL THIRD PARTY
TO
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH PA 15238
(850) 336-0192
INV:
PO:
REF:
DEPT:
Uncorrected temp 1.9 °C
Thermometer ID 22
CF 0 Initials PM
PT-WI-SR-001 effective 11/8/18
FedEx Express
2 of 4
MPS# 0263 2726 6401 5082
Mstr# 2726 6401 5071
0201
WED - 27 MAR 10:30A
PRIORITY OVERNIGHT
XS AGCA
15238
PA-US PIT


ORIGIN ID:BIXA (850) 336-0192
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US
SHIP DATE: 26MAR24
ACTWGT: 72.25 LB
CAD: 6993800/SSFE2500
DIMS: 24x13x14 IN
BILL THIRD PARTY
Part # 158297
TO
TESTAMERICA PITTSBURGH L
301 ALPHA DR
PITTSBURGH PA 15238
(850) 336-0192
REF:
DEPT:
INV:
PO:
5093 6401 2726
03:27
A
10:30
1
Uncorrected temp 20 °C
Thermometer ID 22
CF 0 Initials PM
PT-WI-SR-001 effective 11/8/18
FedEx Express
J24102401100lu
3 of 4
MPS# 2726 6401 5093
0263
Mstr# 2726 6401 5071
0201
XS AGCA
WED - 27 MAR 10:30A
PRIORITY OVERNIGHT
15238
PA-US PIT

ORIGIN ID:BIXA (850) 336-0192
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR

PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 26MAR24
ACTWGT: 72.25 LB
CAD: 6993800/SSFE2500
DIMS: 24x13x14 IN

BILL THIRD PARTY

Part # 156297-435 RRDB2 EXP 02/25

TO

TESTAMERICA PITTSBURGH LAB
301 ALPHA DR

PITTSBURGH PA 15238
(850) 336-0192 REF:
INV:
PO: DEPT:

Uncorrected temp 1.8 °C
Thermometer ID 22

CF 0 Initials PM

PT-WI-SR-001 effective 11/8/18

FedEx
Express

E

J241024011001uv

4 of 4
MPS# 0263 2726 6401 5108
Mstr# 2726 6401 5071 0201

XS AGCA

WED - 27 MAR 10:30A
PRIORITY OVERNIGHT

15238
PA-US PIT

ORIGIN ID:BIXA (999) 999-9999
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

BILL

TO
EUROFINS
301 ALPHA DRIVE

PITTSBURGH PA 15238
(999) 999-9999 REF:
INV:
PO: DEPT:

RT 639
1
12:00
A
4914
03.30
FZ

FedEx Express
E

Uncorrected temp 4.8 °C
Thermometer ID 21
CF -0.9 Initials RO
PT-WI-SR-001 effective 11/8/18

J241024011001uv

2 of 5
MPS# 0263 2727 9628 4914
Mstr# 2727 9628 4903 0201
SATURDAY 12:00P
PRIORITY OVERNIGHT
AHS
15238
PA-US PIT
XO AGCA

Do not lift using this tag.

ORIGIN ID:BIXA (999) 999-9999
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 29MAR24
ACTWGT: 77.60 LB
CAD: 6993799/SSFE2500
DIMS: 25x14x14 IN
BILL THIRD PARTY

Part # 156297-435 RRDB2 EXP 02/25

TO
EUROFINS
301 ALPHA DRIVE

PITTSBURGH PA 15238
(999) 999-9999 REF:
INV:
PO: DEPT:

Uncorrected temp 4.3 °C
Thermometer ID 21
CF -0.9 Initials RO
PT-WI-SR-001 effective 11/8/18

FedEx Express
E
J241024011001uv

1 of 5
TRK# 0201 2727 9628 4903
MASTER
SATURDAY 12:00P
PRIORITY OVERNIGHT
AHS
15238
PA-US PIT
XO AGCA

180-171665 Waybill

Do not lift ...

ORIGIN ID:BIXA (999) 999-9999
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 29MAR24
ACTWGT: 77.60 LB
CAD: 6993799/SSFE2500
DIMS: 25x14x14 IN

BILL THIRD PARTY

Part # 156297-435 REV 02 EXP 02/25

TO

EUROFINS
301 ALPHA DRIVE

PITTSBURGH PA 15238

(999) 999-9999 REF:
INV:
PO: DEPT:

Uncorrected temp 3.5 °C
Thermometer ID 21
CF -0.9 Initials RO
PT-WI-SR-001 effective 11/8/18

FedEx Express

J241024011001 AM

3 of 5

MPS# 0263 2727 9628 4925
Mstr# 2727 9628 4903

0201

XO AGCA

SATURDAY 12:00P
PRIORITY OVERNIGHT
AHS
15238
PIT
PA-US

Do not lift ...

ORIGIN ID:BIXA (999) 999-9999
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 29MAR24
ACTWGT: 77.60 LB
CAD: 6993799/SSFE2500
DIMS: 25x14x14 IN

BILL THIRD PARTY

TO

EUROFINS
301 ALPHA DRIVE

PITTSBURGH PA 15238

(999) 999-9999 REF:
INV:
PO: DEPT:

FedEx Expre

5 of 5

MPS# 0263 2727 9628 4947
Mstr# 2727 9628 4903

0201

XO AGCA

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1523
P
PA-US

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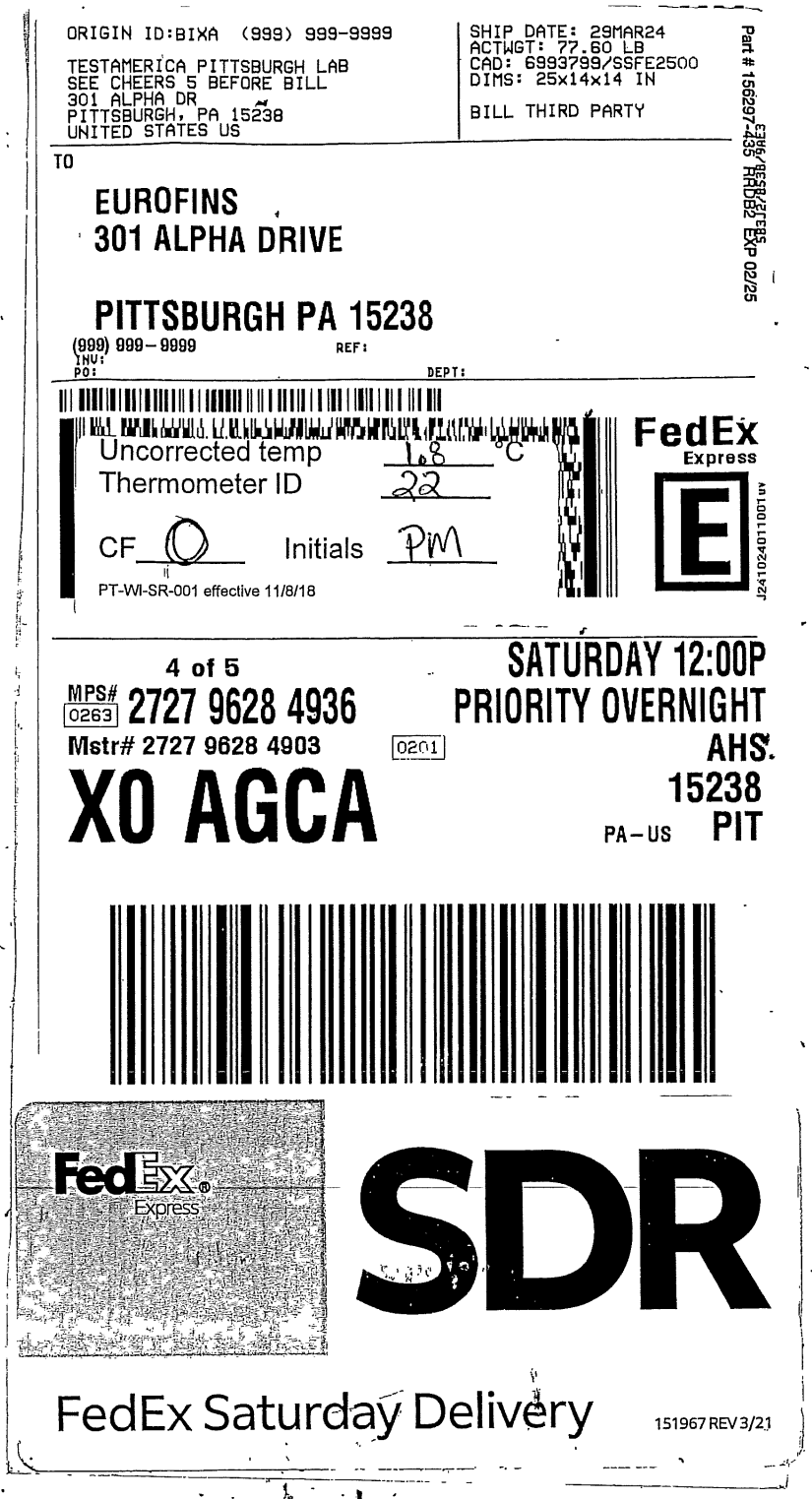
Thermometer ID 2.9 #17


ORIGIN ID:BIXA (999) 999-9999
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US
SHIP DATE: 29MAR24
ACTWGT: 77.60 LB
CAD: 6993799/SSFE2500
DIMS: 25x14x14 IN
BILL THIRD PARTY
Part # 156297-435 HRD02 Exp 02/25
TO
EUROFINS
301 ALPHA DRIVE
PITTSBURGH PA 15238
(999) 999-9999
INV:
PO:
REF:
DEPT:
Uncorrected temp 18 °C
Thermometer ID 22
CF 0 Initials PM
PT-WI-SR-001 effective 11/8/18
FedEx Express
4 of 5
MPS# 0263 2727 9628 4936
Mstr# 2727 9628 4903
0201
SATURDAY 12:00P
PRIORITY OVERNIGHT
AHS
15238
PA-US PIT
XO AGCA
FedEx Express
SDR
FedEx Saturday Delivery
151967 REV 3/21

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 180-510429.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 180-171486-2
Address: 13715 Rider Trail North, ,	**Due Date Requested:** 4/30/2024			
City: Earth City	**TAT Requested (days):**			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Plant Watson Ash Pond	Project #: 18020186			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA
M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Y - Trizma; Z - other (specify)
Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
APMW-2 (180-171486-1)	3/25/24	13:48 Eastern		Water			X	X	X	2	
APMW-2D (180-171486-2)	3/25/24	15:52 Eastern		Water			X	X	X	2	
APMW-5 (180-171486-3)	3/26/24	09:40 Eastern		Water			X	X	X	2	
APMW-5D (180-171486-4)	3/26/24	12:04 Eastern		Water			X	X	X	2	
FB-01 (180-171486-5)	3/26/24	10:30 Eastern		Water			X	X	X	2	
EB-01 (180-171486-6)	3/26/24	10:38 Eastern		Water			X	X	X	2	
DUP-01 (180-171486-7)	3/25/24	12:48 Eastern		Water			X	X	X	2	
APMW-7 (180-171486-8)	3/26/24	14:45 Eastern		Water			X	X	X	2	
DUP-02 (180-171486-9)	3/26/24	13:45 Eastern		Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) — Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	3-28-24 1700	EL, Hyt	[signature]	MAR 2 9 2024 0840	EFSR
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 180-510429.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Georgia	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 180-171486-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 4/30/2024			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Plant Watson Ash Pond	Project #: 18020186			
Site:	SSOW#:			

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
APMW-8D (180-171486-10)	3/26/24	16:30 Eastern		Water			X	X	X	2	
APMW-1R (180-171486-11)	3/25/24	13:35 Eastern		Water			X	X	X	2	
APMW-3 (180-171486-12)	3/25/24	17:05 Eastern		Water			X	X	X	2	
APMW-3D (180-171486-13)	3/26/24	10:29 Eastern		Water			X	X	X	2	
APMW-4 (180-171486-14)	3/26/24	14:12 Eastern		Water			X	X	X	2	
APMW-6R (180-171486-15)	3/26/24	16:00 Eastern		Water			X	X	X	2	
APMW-4D (180-171486-16)	3/26/24	12:09 Eastern		Water			X	X	X	2	

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ______ *Months*

Deliverable Requested: I, II, III, IV, Other (specify) | Primary Deliverable Rank: 2

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	3-28-24 1700	EPLHME	[signature]	MAR 2 9 2024 0840	GTASR
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-171486-2

Login Number: 171486
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-171486-2

Login Number: 171486
List Number: 2
Creator: Worthington, Sierra M

List Source: Eurofins St. Louis
List Creation: 03/29/24 01:04 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-171486-2

Login Number: 171665
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-171486-2

Login Number: 171665
List Number: 2
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 04/02/24 02:45 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Robert (Trey) Singleton
Southern Company
3535 Colonnade Parkway
Bin S 530 EC
Birmingham, Alabama 35243

Generated 4/16/2024 8:47:41 PM

JOB DESCRIPTION

Plant Watson AP Surfacewater

JOB NUMBER

180-171607-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization

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Authorized for release by
Shali Brown, Project Manager II
Shali.Brown@et.eurofinsus.com
(615)301-5031

Table of Contents

Job ID: 180-171607-1 — Eurofins Pittsburgh

Job Narrative
180-171607-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 3/29/2024 9:25 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 14 coolers at receipt time were 1.5°C, 1.7°C, 2.1°C, 2.4°C, 2.6°C, 2.8°C, 2.8°C, 2.9°C, 3.2°C, 3.4°C, 3.7°C, 4.4°C, 4.5°C and 5.4°C.

Receipt Exceptions
The lab did have have unpreserved container for the following sample: EB-03 (180-171607-53). The client was contacted and notified the following tests could not be performed: Chloride, Fluoride, Sulffate and Total Dissolved Solids.

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 180-464187 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300_ORGFM_28D: The following sample was diluted to bring the concentration of target analytes within the calibration range: SW-3 (180-171607-11), SW-13 (180-171607-33) and SW-17 (180-171607-41). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D - Dissolved: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 180-464187 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300_ORGFM_28D - Dissolved: The following sample was diluted to bring the concentration of target analytes within the calibration range: SW-3 (180-171607-12). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D - Dissolved: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 180-464187 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300_ORGFM_28D - Dissolved: The following sample was diluted to bring the concentration of target analytes within the calibration range: SW-17 (180-171607-42). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D - Dissolved: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 180-464446 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300_ORGFM_28D - Dissolved: The following sample was diluted to bring the concentration of target analytes within the calibration range: SW-13 (180-171607-34). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

Job ID: 180-171607-1 (Continued) — Eurofins Pittsburgh

Method 6020B - Dissolved: The linear range check (LRC) standard recovery associated with preparation batch 180-464183 and 180-464319 and analytical batch 180-464440 is outside the acceptance criteria for the following analytes: Boron and Boron, Dissolved. The concentration of these analytes are below those found in the calibration standard. The sample results have been reported.

Method 6020B - Dissolved: The continuing calibration verification (CCV) as we as the associated with batch 180-464598 recovered above the upper control limit for boron. The samples associated with this CCV were below the reporting limit for boron; therefore, the data have been reported.

Method 6020B - Total Recoverable: The linear range check (LRC) standard recovery associated with preparation batch 180-464183 and 180-464319 and analytical batch 180-464440 is outside the acceptance criteria for the following analytes: Boron and Boron, Dissolved. The concentration of these analytes are below those found in the calibration standard. The sample results have been reported.

Method 6020B - Total Recoverable: The serial dilution performed for the following sample associated with batch 180-464440 was outside control limits: SW-4 (180-171607-13)

Method 6020B - Total Recoverable: The linear range check (LRC) standard recovery associated with preparation batch 180-464320 and analytical batch 180-464597 is outside the acceptance criteria for the following analytes: zinc. The concentration of these analytes are below those found in the calibration standard. The sample results have been reported.

Method 6020B - Total Recoverable: The continuing calibration verification (CCV) as we as the associated with batch 180-464598 recovered above the upper control limit for boron. The samples associated with this CCV were below the reporting limit for boron; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

Method 2540C_Calcd - The sample did not reach a stable weight following 3 cycles of heating, cooling, and desiccation. The cycle 3 weight was used to calculate the Total Dissolved Solids and Total Dissolved Solids Field Filtered (TDS) for the sample result. SW-1 (180-171607-1), SW-1 (180-171607-2), SW-3 (180-171607-9), SW-9 (180-171607-24, SW-13 (180-171607-33), SW-13 (180-171607-34), SW-17 (180-171607-41) and SW-17 (180-171607-42)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Field Service / Mobile Lab

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Definitions/Glossary

Client: Southern Company
Job ID: 180-171607-1
Project/Site: Plant Watson AP Surfacewater

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
^5-	Linear Range Check (LRC) is outside acceptance limits, low biased.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Southern Company
Job ID: 180-171607-1
Project/Site: Plant Watson AP Surfacewater

Laboratory: Eurofins Pittsburgh

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	19-033-0	06-27-24
California	State	2891	04-30-24
Connecticut	State	PH-0688	09-30-24
Florida	NELAP	E871008	06-30-24
Georgia	State	PA 02-00416	04-30-25
Illinois	NELAP	004375	06-30-24
Kansas	NELAP	E-10350	01-31-25
Kentucky (UST)	State	162013	04-30-23 *
Kentucky (WW)	State	KY98043	12-31-24
Louisiana	NELAP	04041	06-30-22 *
Louisiana (All)	NELAP	04041	06-30-24
Maine	State	PA00164	03-06-26
Minnesota	NELAP	042-999-482	12-31-24
New Hampshire	NELAP	2030	04-04-24 *
New Jersey	NELAP	PA005	06-30-24
New York	NELAP	11182	04-01-25
North Carolina (WW/SW)	State	434	12-31-24
North Dakota	State	R-227	04-30-24
Oregon	NELAP	PA-2151	02-06-25
Pennsylvania	NELAP	02-00416	04-30-25
Rhode Island	State	LAO00362	01-01-25
South Carolina	State	89014	04-30-25
Texas	NELAP	T104704528	03-31-25
US Fish & Wildlife	US Federal Programs	058448	03-31-24 *
USDA	US Federal Programs	P330-16-00211	04-11-26
Utah	NELAP	PA001462019-8	05-31-24
Virginia	NELAP	10043	07-14-24
West Virginia DEP	State	142	01-31-25
Wisconsin	State	998027800	08-31-24

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-171607-1	SW-1	Water	03/27/24 18:35	03/29/24 09:25
180-171607-2	SW-1	Water	03/27/24 18:58	03/29/24 09:25
180-171607-3	SW-1	Water	03/27/24 18:08	03/29/24 09:25
180-171607-4	SW-1	Water	03/27/24 18:22	03/29/24 09:25
180-171607-5	SW-2	Water	03/27/24 17:38	03/29/24 09:25
180-171607-6	SW-2	Water	03/27/24 17:50	03/29/24 09:25
180-171607-7	SW-2	Water	03/27/24 17:10	03/29/24 09:25
180-171607-8	SW-2	Water	03/27/24 17:25	03/29/24 09:25
180-171607-9	SW-3	Water	03/27/24 10:02	03/29/24 09:25
180-171607-10	SW-3	Water	03/27/24 10:17	03/29/24 09:25
180-171607-11	SW-3	Water	03/27/24 10:30	03/29/24 09:25
180-171607-12	SW-3	Water	03/27/24 10:40	03/29/24 09:25
180-171607-13	SW-4	Water	03/27/24 08:38	03/29/24 09:25
180-171607-14	SW-4	Water	03/27/24 08:58	03/29/24 09:25
180-171607-15	SW-5	Water	03/27/24 08:40	03/29/24 09:25
180-171607-16	SW-5	Water	03/27/24 08:57	03/29/24 09:25
180-171607-17	SW-5	Water	03/27/24 08:11	03/29/24 09:25
180-171607-18	SW-5	Water	03/27/24 08:22	03/29/24 09:25
180-171607-19	SW-6	Water	03/27/24 10:17	03/29/24 09:25
180-171607-20	SW-6	Water	03/27/24 10:29	03/29/24 09:25
180-171607-21	SW-6	Water	03/27/24 09:42	03/29/24 09:25
180-171607-22	SW-6	Water	03/27/24 10:00	03/29/24 09:25
180-171607-23	SW-9	Water	03/27/24 10:57	03/29/24 09:25
180-171607-24	SW-9	Water	03/27/24 11:10	03/29/24 09:25
180-171607-25	SW-9	Water	03/27/24 11:23	03/29/24 09:25
180-171607-26	SW-9	Water	03/27/24 11:35	03/29/24 09:25
180-171607-27	SW-10	Water	03/27/24 11:59	03/29/24 09:25
180-171607-28	SW-10	Water	03/27/24 12:10	03/29/24 09:25
180-171607-29	SW-11	Water	03/27/24 12:30	03/29/24 09:25
180-171607-30	SW-11	Water	03/27/24 12:45	03/29/24 09:25
180-171607-31	SW-12	Water	03/27/24 13:08	03/29/24 09:25
180-171607-32	SW-12	Water	03/27/24 13:32	03/29/24 09:25
180-171607-33	SW-13	Water	03/27/24 12:38	03/29/24 09:25
180-171607-34	SW-13	Water	03/27/24 12:50	03/29/24 09:25
180-171607-35	SW-14	Water	03/27/24 13:38	03/29/24 09:25
180-171607-36	SW-14	Water	03/27/24 13:52	03/29/24 09:25
180-171607-37	SW-15	Water	03/27/24 14:24	03/29/24 09:25
180-171607-38	SW-15	Water	03/27/24 14:40	03/29/24 09:25
180-171607-39	SW-16	Water	03/27/24 15:11	03/29/24 09:25
180-171607-40	SW-16	Water	03/27/24 15:28	03/29/24 09:25
180-171607-41	SW-17	Water	03/27/24 11:45	03/29/24 09:25
180-171607-42	SW-17	Water	03/27/24 12:01	03/29/24 09:25
180-171607-43	DUP-01	Water	03/27/24 12:08	03/29/24 09:25
180-171607-44	DUP-01	Water	03/27/24 12:32	03/29/24 09:25
180-171607-45	DUP-02	Water	03/27/24 07:38	03/29/24 09:25
180-171607-46	DUP-02	Water	03/27/24 07:58	03/29/24 09:25
180-171607-47	DUP-03	Water	03/27/24 17:35	03/29/24 09:25
180-171607-48	DUP-03	Water	03/27/24 17:58	03/29/24 09:25
180-171607-49	EB-01	Water	03/27/24 07:36	03/29/24 09:25
180-171607-50	FB-01	Water	03/27/24 07:27	03/29/24 09:25
180-171607-51	EB-02	Water	03/27/24 17:00	03/29/24 09:25
180-171607-52	FB-02	Water	03/27/24 16:50	03/29/24 09:25
180-171607-53	EB-03	Water	03/27/24 17:59	03/29/24 09:25
180-171607-54	FB-03	Water	03/27/24 17:47	03/29/24 09:25

Method Summary

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	EPA	EET PIT
EPA 300.0 R2.1	Anions, Ion Chromatography	EPA	EET PIT
EPA 6020B	Metals (ICP/MS)	SW846	EET PIT
EPA 7470A	Mercury (CVAA)	SW846	EET PIT
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PIT
Field Sampling	Field Sampling	EPA	EET PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET PIT
7470A	Preparation, Mercury	SW846	EET PIT

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-1
Date Collected: 03/27/24 18:35
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464187	04/02/24 13:32	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464181	04/02/24 11:05	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464464	04/03/24 21:03	MRG	EET PIT
	Instrument ID: DORY									
Total Recoverable	Prep	3005A			25 mL	25 mL	464181	04/02/24 11:05	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464598	04/04/24 14:13	RJR	EET PIT
	Instrument ID: DORY									
Total/NA	Prep	7470A			25 mL	25 mL	464077	04/01/24 09:18	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 12:07	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	464118	04/01/24 13:53	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			464948	03/27/24 18:35	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-1
Date Collected: 03/27/24 18:58
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	464187	04/02/24 14:27	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	25 mL	464181	04/02/24 11:05	NWW	EET PIT
Dissolved	Analysis	EPA 6020B		1			465200	04/11/24 17:44	S1Z	EET PIT
	Instrument ID: A									
Dissolved	Prep	3005A			25 mL	25 mL	464181	04/02/24 11:05	NWW	EET PIT
Dissolved	Analysis	EPA 6020B		1			464464	04/03/24 21:05	MRG	EET PIT
	Instrument ID: DORY									
Dissolved	Prep	7470A			25 mL	25 mL	464077	04/01/24 09:18	RJR	EET PIT
Dissolved	Analysis	EPA 7470A		1			464505	04/04/24 12:10	RJR	EET PIT
	Instrument ID: HGY									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	464118	04/01/24 13:53	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-1
Date Collected: 03/27/24 18:08
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464187	04/02/24 17:32	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464181	04/02/24 11:05	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			465200	04/11/24 17:47	S1Z	EET PIT
	Instrument ID: A									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-1
Date Collected: 03/27/24 18:08
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	25 mL	464181	04/02/24 11:05	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464464	04/03/24 21:08	MRG	EET PIT
	Instrument ID: DORY									
Total/NA	Prep	7470A			25 mL	25 mL	464077	04/01/24 09:18	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 12:12	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	464119	04/01/24 14:07	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			464948	03/27/24 18:08	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-1
Date Collected: 03/27/24 18:22
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	464187	04/02/24 18:09	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	25 mL	464181	04/02/24 11:05	NWW	EET PIT
Dissolved	Analysis	EPA 6020B		1			464464	04/03/24 21:11	MRG	EET PIT
	Instrument ID: DORY									
Dissolved	Prep	3005A			25 mL	25 mL	464181	04/02/24 11:05	NWW	EET PIT
Dissolved	Analysis	EPA 6020B		1			464598	04/04/24 14:22	RJR	EET PIT
	Instrument ID: DORY									
Dissolved	Prep	7470A			25 mL	25 mL	464077	04/01/24 09:18	RJR	EET PIT
Dissolved	Analysis	EPA 7470A		1			464505	04/04/24 12:13	RJR	EET PIT
	Instrument ID: HGY									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	464119	04/01/24 14:07	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-2
Date Collected: 03/27/24 17:38
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464012	03/31/24 02:34	AM	EET PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	464181	04/02/24 11:05	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464464	04/03/24 21:14	MRG	EET PIT
	Instrument ID: DORY									
Total Recoverable	Prep	3005A			25 mL	25 mL	464181	04/02/24 11:05	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464598	04/04/24 14:25	RJR	EET PIT
	Instrument ID: DORY									
Total/NA	Prep	7470A			25 mL	25 mL	464077	04/01/24 09:18	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 12:14	RJR	EET PIT
	Instrument ID: HGY									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-2
Date Collected: 03/27/24 17:38
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	464119	04/01/24 14:07	LWM	EET PIT
Total/NA	Analysis	Field Sampling		1			464948	03/27/24 17:38	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-2
Date Collected: 03/27/24 17:50
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	464187	04/02/24 19:23	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	25 mL	464181	04/02/24 11:05	NWW	EET PIT
Dissolved	Analysis	EPA 6020B		1			464464	04/03/24 21:17	MRG	EET PIT
	Instrument ID: DORY									
Dissolved	Prep	3005A			25 mL	25 mL	464181	04/02/24 11:05	NWW	EET PIT
Dissolved	Analysis	EPA 6020B		1			464598	04/04/24 14:27	RJR	EET PIT
	Instrument ID: DORY									
Dissolved	Prep	7470A			25 mL	25 mL	464077	04/01/24 09:18	RJR	EET PIT
Dissolved	Analysis	EPA 7470A		1			464505	04/04/24 12:15	RJR	EET PIT
	Instrument ID: HGY									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	464253	04/02/24 17:45	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-2
Date Collected: 03/27/24 17:10
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464187	04/02/24 18:46	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464181	04/02/24 11:05	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464464	04/03/24 21:25	MRG	EET PIT
	Instrument ID: DORY									
Total/NA	Prep	7470A			25 mL	25 mL	464077	04/01/24 09:18	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 12:16	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	464253	04/02/24 17:45	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			464948	03/27/24 17:10	FDS	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-2

Lab Sample ID: 180-171607-8
Date Collected: 03/27/24 17:25
Matrix: Water
Date Received: 03/29/24 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	464187	04/02/24 19:05	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	25 mL	464181	04/02/24 11:05	NWW	EET PIT
Dissolved	Analysis	EPA 6020B		1			464464	04/03/24 21:28	MRG	EET PIT
	Instrument ID: DORY									
Dissolved	Prep	7470A			25 mL	25 mL	464077	04/01/24 09:18	RJR	EET PIT
Dissolved	Analysis	EPA 7470A		1			464505	04/04/24 12:17	RJR	EET PIT
	Instrument ID: HGY									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	464253	04/02/24 17:45	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-3

Lab Sample ID: 180-171607-9
Date Collected: 03/27/24 10:02
Matrix: Water
Date Received: 03/29/24 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464187	04/02/24 20:56	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464181	04/02/24 11:05	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464464	04/03/24 21:31	MRG	EET PIT
	Instrument ID: DORY									
Total/NA	Prep	7470A			25 mL	25 mL	464077	04/01/24 09:18	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 12:21	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	464253	04/02/24 17:45	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			464948	03/27/24 10:02	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-3

Lab Sample ID: 180-171607-10
Date Collected: 03/27/24 10:17
Matrix: Water
Date Received: 03/29/24 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	464187	04/02/24 21:14	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	25 mL	464181	04/02/24 11:05	NWW	EET PIT
Dissolved	Analysis	EPA 6020B		1			464464	04/03/24 21:34	MRG	EET PIT
	Instrument ID: DORY									
Dissolved	Prep	7470A			25 mL	25 mL	464077	04/01/24 09:18	RJR	EET PIT
Dissolved	Analysis	EPA 7470A		1			464505	04/04/24 12:22	RJR	EET PIT
	Instrument ID: HGY									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	464253	04/02/24 17:45	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-3

Lab Sample ID: 180-171607-11

Date Collected: 03/27/24 10:30

Matrix: Water

Date Received: 03/29/24 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464187	04/02/24 21:33	M1D	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	300.0		5	1 mL	1 mL	464187	04/02/24 21:51	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464181	04/02/24 11:05	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464464	04/03/24 21:36	MRG	EET PIT
	Instrument ID: DORY									
Total/NA	Prep	7470A			25 mL	25 mL	464077	04/01/24 09:18	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 12:23	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	464253	04/02/24 17:45	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			464948	03/27/24 10:30	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-3

Lab Sample ID: 180-171607-12

Date Collected: 03/27/24 10:40

Matrix: Water

Date Received: 03/29/24 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	464187	04/03/24 00:01	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Analysis	EPA 300.0 R2.1		10	1 mL	1 mL	464187	04/03/24 00:19	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	25 mL	464181	04/02/24 11:05	NWW	EET PIT
Dissolved	Analysis	EPA 6020B		1			464464	04/03/24 21:39	MRG	EET PIT
	Instrument ID: DORY									
Dissolved	Prep	7470A			25 mL	25 mL	464077	04/01/24 09:18	RJR	EET PIT
Dissolved	Analysis	EPA 7470A		1			464505	04/04/24 12:24	RJR	EET PIT
	Instrument ID: HGY									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	464253	04/02/24 17:45	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-4

Lab Sample ID: 180-171607-13

Date Collected: 03/27/24 08:38

Matrix: Water

Date Received: 03/29/24 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464187	04/02/24 23:05	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464183	04/02/24 11:05	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464440	04/03/24 15:03	S1Z	EET PIT
	Instrument ID: A									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-4

Date Collected: 03/27/24 08:38
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			25 mL	25 mL	464077	04/01/24 09:18	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 12:25	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	464253	04/02/24 17:45	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			464948	03/27/24 08:38	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-4

Date Collected: 03/27/24 08:58
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	464187	04/02/24 22:47	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	25 mL	464183	04/02/24 11:05	NWW	EET PIT
Dissolved	Analysis	EPA 6020B		1			464440	04/03/24 15:17	S1Z	EET PIT
	Instrument ID: A									
Dissolved	Prep	7470A			25 mL	25 mL	464077	04/01/24 09:18	RJR	EET PIT
Dissolved	Analysis	EPA 7470A		1			464505	04/04/24 12:26	RJR	EET PIT
	Instrument ID: HGY									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	464253	04/02/24 17:45	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-5

Date Collected: 03/27/24 08:40
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464187	04/02/24 22:28	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464183	04/02/24 11:05	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464440	04/03/24 15:20	S1Z	EET PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	464077	04/01/24 09:18	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 12:27	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	464253	04/02/24 17:45	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			464948	03/27/24 08:40	FDS	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-5
Date Collected: 03/27/24 08:57
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	464187	04/02/24 22:10	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	25 mL	464183	04/02/24 11:05	NWW	EET PIT
Dissolved	Analysis	EPA 6020B		1			464440	04/03/24 15:22	S1Z	EET PIT
	Instrument ID: A									
Dissolved	Prep	7470A			25 mL	25 mL	464077	04/01/24 09:18	RJR	EET PIT
Dissolved	Analysis	EPA 7470A		1			464505	04/04/24 12:28	RJR	EET PIT
	Instrument ID: HGY									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	464253	04/02/24 17:45	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-5
Date Collected: 03/27/24 08:11
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464187	04/03/24 00:38	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464183	04/02/24 11:05	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464440	04/03/24 15:31	S1Z	EET PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	464077	04/01/24 09:18	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 12:29	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	464253	04/02/24 17:45	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			464948	03/27/24 08:11	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-5
Date Collected: 03/27/24 08:22
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-18
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	464187	04/03/24 01:33	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	25 mL	464183	04/02/24 11:05	NWW	EET PIT
Dissolved	Analysis	EPA 6020B		1			464440	04/03/24 15:34	S1Z	EET PIT
	Instrument ID: A									
Dissolved	Prep	7470A			25 mL	25 mL	464080	04/01/24 09:19	RJR	EET PIT
Dissolved	Analysis	EPA 7470A		1			464505	04/04/24 12:55	RJR	EET PIT
	Instrument ID: HGY									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	464253	04/02/24 17:45	LWM	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-6
Date Collected: 03/27/24 10:17
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-19
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464187	04/03/24 02:29	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464183	04/02/24 11:05	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464440	04/03/24 15:37	S1Z	EET PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	464080	04/01/24 09:19	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 12:56	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	464253	04/02/24 17:45	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			464948	03/27/24 10:17	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-6
Date Collected: 03/27/24 10:29
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-20
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	464187	04/03/24 02:47	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	25 mL	464183	04/02/24 11:05	NWW	EET PIT
Dissolved	Analysis	EPA 6020B		1			464440	04/03/24 15:40	S1Z	EET PIT
	Instrument ID: A									
Dissolved	Prep	7470A			25 mL	25 mL	464080	04/01/24 09:19	RJR	EET PIT
Dissolved	Analysis	EPA 7470A		1			464505	04/04/24 12:57	RJR	EET PIT
	Instrument ID: HGY									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	464253	04/02/24 17:45	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-6
Date Collected: 03/27/24 09:42
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-21
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464187	04/03/24 03:43	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464183	04/02/24 11:05	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464440	04/03/24 15:42	S1Z	EET PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	464062	04/01/24 08:22	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 11:33	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	464253	04/02/24 17:45	LWM	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-6
Date Collected: 03/27/24 09:42
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-21
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Field Sampling		1			464948	03/27/24 09:42	FDS	EET PIT

Client Sample ID: SW-6
Date Collected: 03/27/24 10:00
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-22
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	464187	04/03/24 04:01	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	25 mL	464183	04/02/24 11:05	NWW	EET PIT
Dissolved	Analysis	EPA 6020B		1			464440	04/03/24 15:45	S1Z	EET PIT
	Instrument ID: A									
Dissolved	Prep	7470A			25 mL	25 mL	464062	04/01/24 08:22	RJR	EET PIT
Dissolved	Analysis	EPA 7470A		1			464505	04/04/24 11:36	RJR	EET PIT
	Instrument ID: HGY									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	464253	04/02/24 17:45	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-9
Date Collected: 03/27/24 10:57
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-23
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464187	04/03/24 04:19	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464183	04/02/24 11:05	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464440	04/03/24 15:48	S1Z	EET PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	464062	04/01/24 08:22	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 11:40	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	464253	04/02/24 17:45	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			464948	03/27/24 10:57	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-9
Date Collected: 03/27/24 11:10
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-24
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	464187	04/03/24 04:38	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	25 mL	464183	04/02/24 11:05	NWW	EET PIT
Dissolved	Analysis	EPA 6020B		1			464440	04/03/24 15:51	S1Z	EET PIT
	Instrument ID: A									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-9
Date Collected: 03/27/24 11:10
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-24
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	7470A			25 mL	25 mL	464062	04/01/24 08:22	RJR	EET PIT
Dissolved	Analysis	EPA 7470A		1			464505	04/04/24 11:41	RJR	EET PIT
	Instrument ID: HGY									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	464253	04/02/24 17:45	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-9
Date Collected: 03/27/24 11:23
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-25
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464187	04/03/24 04:57	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464183	04/02/24 11:05	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464440	04/03/24 15:54	S1Z	EET PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	464062	04/01/24 08:22	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 11:42	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	464253	04/02/24 17:45	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			464948	03/27/24 11:23	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-9
Date Collected: 03/27/24 11:35
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-26
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	464187	04/03/24 05:15	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	25 mL	464183	04/02/24 11:05	NWW	EET PIT
Dissolved	Analysis	EPA 6020B		1			464440	04/03/24 16:02	S1Z	EET PIT
	Instrument ID: A									
Dissolved	Prep	7470A			25 mL	25 mL	464062	04/01/24 08:22	RJR	EET PIT
Dissolved	Analysis	EPA 7470A		1			464505	04/04/24 11:43	RJR	EET PIT
	Instrument ID: HGY									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	464254	04/02/24 17:59	LWM	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-10
Date Collected: 03/27/24 11:59
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-27
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464187	04/03/24 05:34	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464183	04/02/24 11:05	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464440	04/03/24 16:05	S1Z	EET PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	464062	04/01/24 08:22	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 11:44	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	464254	04/02/24 17:59	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			464948	03/27/24 11:59	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-10
Date Collected: 03/27/24 12:10
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-28
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	464187	04/03/24 05:52	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	25 mL	464183	04/02/24 11:05	NWW	EET PIT
Dissolved	Analysis	EPA 6020B		1			464440	04/03/24 16:08	S1Z	EET PIT
	Instrument ID: A									
Dissolved	Prep	7470A			25 mL	25 mL	464062	04/01/24 08:22	RJR	EET PIT
Dissolved	Analysis	EPA 7470A		1			464505	04/04/24 11:45	RJR	EET PIT
	Instrument ID: HGY									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	464254	04/02/24 17:59	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-11
Date Collected: 03/27/24 12:30
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-29
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464187	04/03/24 07:25	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464183	04/02/24 11:05	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464440	04/03/24 16:10	S1Z	EET PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	464062	04/01/24 08:22	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 11:47	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	464254	04/02/24 17:59	LWM	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-11
Date Collected: 03/27/24 12:30
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-29
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Field Sampling		1			464948	03/27/24 12:30	FDS	EET PIT

Client Sample ID: SW-11
Date Collected: 03/27/24 12:45
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-30
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	464187	04/03/24 07:43	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	25 mL	464183	04/02/24 11:05	NWW	EET PIT
Dissolved	Analysis	EPA 6020B		1			464440	04/03/24 16:13	S1Z	EET PIT
	Instrument ID: A									
Dissolved	Prep	7470A			25 mL	25 mL	464062	04/01/24 08:22	RJR	EET PIT
Dissolved	Analysis	EPA 7470A		1			464505	04/04/24 11:48	RJR	EET PIT
	Instrument ID: HGY									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	464254	04/02/24 17:59	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-12
Date Collected: 03/27/24 13:08
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-31
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464310	04/04/24 09:02	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464183	04/02/24 11:05	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464440	04/03/24 16:16	S1Z	EET PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	464062	04/01/24 08:22	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 11:49	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	464254	04/02/24 17:59	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			464948	03/27/24 13:08	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-12
Date Collected: 03/27/24 13:32
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-32
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	464310	04/04/24 05:58	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	25 mL	464183	04/02/24 11:05	NWW	EET PIT
Dissolved	Analysis	EPA 6020B		1			464440	04/03/24 16:19	S1Z	EET PIT
	Instrument ID: A									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-12

Lab Sample ID: 180-171607-32

Date Collected: 03/27/24 13:32

Matrix: Water

Date Received: 03/29/24 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	7470A			25 mL	25 mL	464062	04/01/24 08:22	RJR	EET PIT
Dissolved	Analysis	EPA 7470A		1			464505	04/04/24 11:50	RJR	EET PIT
	Instrument ID: HGY									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	464254	04/02/24 17:59	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-13

Lab Sample ID: 180-171607-33

Date Collected: 03/27/24 12:38

Matrix: Water

Date Received: 03/29/24 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464310	04/04/24 06:53	M1D	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	300.0		5	1 mL	1 mL	464310	04/04/24 07:11	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464319	04/03/24 10:30	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464440	04/03/24 16:50	S1Z	EET PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	464062	04/01/24 08:22	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 11:54	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	464254	04/02/24 17:59	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			464948	03/27/24 12:38	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-13

Lab Sample ID: 180-171607-34

Date Collected: 03/27/24 12:50

Matrix: Water

Date Received: 03/29/24 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	464310	04/04/24 07:30	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Analysis	EPA 300.0 R2.1		5	1 mL	1 mL	464446	04/05/24 03:12	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	25 mL	464319	04/03/24 10:30	NWW	EET PIT
Dissolved	Analysis	EPA 6020B		1			464440	04/03/24 16:52	S1Z	EET PIT
	Instrument ID: A									
Dissolved	Prep	7470A			25 mL	25 mL	464062	04/01/24 08:22	RJR	EET PIT
Dissolved	Analysis	EPA 7470A		1			464505	04/04/24 11:55	RJR	EET PIT
	Instrument ID: HGY									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	464254	04/02/24 17:59	LWM	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-14
Date Collected: 03/27/24 13:38
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-35
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464310	04/04/24 07:48	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464319	04/03/24 10:30	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464440	04/03/24 17:01	S1Z	EET PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	464062	04/01/24 08:22	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 11:56	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	464254	04/02/24 17:59	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			464948	03/27/24 13:38	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-14
Date Collected: 03/27/24 13:52
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-36
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	464310	04/04/24 08:07	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	25 mL	464319	04/03/24 10:30	NWW	EET PIT
Dissolved	Analysis	EPA 6020B		1			464440	04/03/24 17:04	S1Z	EET PIT
	Instrument ID: A									
Dissolved	Prep	7470A			25 mL	25 mL	464062	04/01/24 08:22	RJR	EET PIT
Dissolved	Analysis	EPA 7470A		1			464505	04/04/24 11:57	RJR	EET PIT
	Instrument ID: HGY									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	464254	04/02/24 17:59	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-15
Date Collected: 03/27/24 14:24
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-37
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464310	04/04/24 08:25	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464319	04/03/24 10:30	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464440	04/03/24 17:06	S1Z	EET PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	464062	04/01/24 08:22	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 11:58	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	464254	04/02/24 17:59	LWM	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-15
Date Collected: 03/27/24 14:24
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-37
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Field Sampling		1			464948	03/27/24 14:24	FDS	EET PIT

Client Sample ID: SW-15
Date Collected: 03/27/24 14:40
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-38
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	464310	04/04/24 08:44	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	25 mL	464319	04/03/24 10:30	NWW	EET PIT
Dissolved	Analysis	EPA 6020B		1			464440	04/03/24 17:09	S1Z	EET PIT
	Instrument ID: A									
Dissolved	Prep	7470A			25 mL	25 mL	464062	04/01/24 08:22	RJR	EET PIT
Dissolved	Analysis	EPA 7470A		1			464505	04/04/24 11:59	RJR	EET PIT
	Instrument ID: HGY									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	464254	04/02/24 17:59	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-16
Date Collected: 03/27/24 15:11
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-39
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464310	04/04/24 10:35	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464319	04/03/24 10:30	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464440	04/03/24 17:12	S1Z	EET PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	464062	04/01/24 08:22	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 12:00	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	464254	04/02/24 17:59	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			464948	03/27/24 15:11	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-16
Date Collected: 03/27/24 15:28
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-40
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	464310	04/04/24 10:53	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	25 mL	464319	04/03/24 10:30	NWW	EET PIT
Dissolved	Analysis	EPA 6020B		1			464440	04/03/24 17:15	S1Z	EET PIT
	Instrument ID: A									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-16
Date Collected: 03/27/24 15:28
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-40
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	7470A			25 mL	25 mL	464062	04/01/24 08:22	RJR	EET PIT
Dissolved	Analysis	EPA 7470A		1			464505	04/04/24 12:01	RJR	EET PIT
	Instrument ID: HGY									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	464254	04/02/24 17:59	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-17
Date Collected: 03/27/24 11:45
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-41
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464446	04/04/24 15:30	M1D	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Analysis	300.0		10	1 mL	1 mL	464446	04/04/24 15:48	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464319	04/03/24 10:30	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464440	04/03/24 17:18	S1Z	EET PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	464080	04/01/24 09:19	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 12:35	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	464254	04/02/24 17:59	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			464948	03/27/24 11:45	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SW-17
Date Collected: 03/27/24 12:01
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-42
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	464446	04/04/24 16:07	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Analysis	EPA 300.0 R2.1		10	1 mL	1 mL	464446	04/04/24 16:25	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	25 mL	464319	04/03/24 10:30	NWW	EET PIT
Dissolved	Analysis	EPA 6020B		1			464440	04/03/24 17:20	S1Z	EET PIT
	Instrument ID: A									
Dissolved	Prep	7470A			25 mL	25 mL	464080	04/01/24 09:19	RJR	EET PIT
Dissolved	Analysis	EPA 7470A		1			464505	04/04/24 12:39	RJR	EET PIT
	Instrument ID: HGY									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	464254	04/02/24 17:59	LWM	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: DUP-01
Date Collected: 03/27/24 12:08
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-43
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464446	04/04/24 14:35	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464319	04/03/24 10:30	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464440	04/03/24 17:23	S1Z	EET PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	464080	04/01/24 09:19	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 12:40	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	464254	04/02/24 17:59	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			464948	03/27/24 12:08	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-01
Date Collected: 03/27/24 12:32
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-44
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	464446	04/04/24 17:58	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	25 mL	464319	04/03/24 10:30	NWW	EET PIT
Dissolved	Analysis	EPA 6020B		1			464440	04/03/24 17:26	S1Z	EET PIT
	Instrument ID: A									
Dissolved	Prep	7470A			25 mL	25 mL	464080	04/01/24 09:19	RJR	EET PIT
Dissolved	Analysis	EPA 7470A		1			464505	04/04/24 12:41	RJR	EET PIT
	Instrument ID: HGY									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	464254	04/02/24 17:59	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-02
Date Collected: 03/27/24 07:38
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-45
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464446	04/04/24 18:16	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464319	04/03/24 10:30	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464440	04/03/24 17:34	S1Z	EET PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	464080	04/01/24 09:19	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 12:42	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	464254	04/02/24 17:59	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-02
Date Collected: 03/27/24 07:38
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-45
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Field Sampling		1			464948	03/27/24 07:38	FDS	EET PIT

Client Sample ID: DUP-02
Date Collected: 03/27/24 07:58
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-46
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	464446	04/04/24 18:53	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	25 mL	464319	04/03/24 10:30	NWW	EET PIT
Dissolved	Analysis	EPA 6020B		1			464440	04/03/24 17:37	S1Z	EET PIT
	Instrument ID: A									
Dissolved	Prep	7470A			25 mL	25 mL	464080	04/01/24 09:19	RJR	EET PIT
Dissolved	Analysis	EPA 7470A		1			464505	04/04/24 12:43	RJR	EET PIT
	Instrument ID: HGY									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	464359	04/03/24 13:25	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-03
Date Collected: 03/27/24 17:35
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-47
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464603	04/05/24 20:34	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464319	04/03/24 10:30	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464440	04/03/24 17:40	S1Z	EET PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	464080	04/01/24 09:19	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 12:53	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	464359	04/03/24 13:25	LWM	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			464948	03/27/24 17:35	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-03
Date Collected: 03/27/24 17:58
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-48
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	EPA 300.0 R2.1		1	1 mL	1 mL	464446	04/04/24 20:26	M1D	EET PIT
	Instrument ID: INTEGRION									
Dissolved	Prep	3005A			25 mL	25 mL	464319	04/03/24 10:30	NWW	EET PIT
Dissolved	Analysis	EPA 6020B		1			464440	04/03/24 17:43	S1Z	EET PIT
	Instrument ID: A									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: DUP-03

Date Collected: 03/27/24 17:58
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-48

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	7470A			25 mL	25 mL	464080	04/01/24 09:19	RJR	EET PIT
Dissolved	Analysis	EPA 7470A		1			464505	04/04/24 12:44	RJR	EET PIT
	Instrument ID: HGY									
Dissolved	Analysis	SM 2540C		1	100 mL	100 mL	464359	04/03/24 13:25	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: EB-01

Date Collected: 03/27/24 07:36
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-49

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464446	04/04/24 19:30	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464319	04/03/24 10:30	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464440	04/03/24 17:46	S1Z	EET PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	464080	04/01/24 09:19	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 12:48	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	464359	04/03/24 13:25	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: FB-01

Date Collected: 03/27/24 07:27
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-50

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464446	04/04/24 19:49	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464319	04/03/24 10:30	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464440	04/03/24 17:57	S1Z	EET PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	464080	04/01/24 09:19	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 12:49	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	464359	04/03/24 13:25	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: EB-02

Date Collected: 03/27/24 17:00
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-51

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464446	04/04/24 20:07	M1D	EET PIT
	Instrument ID: INTEGRION									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: EB-02
Date Collected: 03/27/24 17:00
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-51
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	25 mL	464320	04/03/24 10:30	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464597	04/04/24 16:35	RJR	EET PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	464080	04/01/24 09:19	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 12:50	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	464359	04/03/24 13:25	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: FB-02
Date Collected: 03/27/24 16:50
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-52
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464446	04/04/24 22:35	M1D	EET PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	464320	04/03/24 10:30	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464597	04/04/24 16:38	RJR	EET PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	464080	04/01/24 09:19	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 12:51	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	464359	04/03/24 13:25	LWM	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: EB-03
Date Collected: 03/27/24 17:59
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-53
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	25 mL	464320	04/03/24 10:30	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464597	04/04/24 16:41	RJR	EET PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	464080	04/01/24 09:19	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 12:52	RJR	EET PIT
	Instrument ID: HGY									

Client Sample ID: FB-03
Date Collected: 03/27/24 17:47
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-54
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	1 mL	1 mL	464446	04/04/24 22:54	M1D	EET PIT
	Instrument ID: INTEGRION									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: FB-03

Date Collected: 03/27/24 17:47
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-54

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	25 mL	464320	04/03/24 10:30	NWW	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			464597	04/04/24 16:43	RJR	EET PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	464080	04/01/24 09:19	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			464505	04/04/24 12:54	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	464359	04/03/24 13:25	LWM	EET PIT
	Instrument ID: NOEQUIP									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: EET PIT

Batch Type: Prep

NWW = Nicholas Woten
RJR = Ron Rosenbaum

Batch Type: Analysis

AM = Adzuira Musule
FDS = Sampler Field
LWM = Leslie McIntire
M1D = Maureen Donlin
MRG = Mismel Garcia
RJR = Ron Rosenbaum
S1Z = Sage Ziviello

Client Sample Results

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-1

Date Collected: 03/27/24 18:35
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-1

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**120**	**F1**	1.0	0.71	mg/L			04/02/24 13:32	1
Fluoride	**0.056**	**J**	0.20	0.026	mg/L			04/02/24 13:32	1
Sulfate	**21**		1.0	0.76	mg/L			04/02/24 13:32	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00097		0.0020	0.00097	mg/L		04/02/24 11:05	04/03/24 21:03	1
Arsenic	**0.00034**	**J**	0.0010	0.00028	mg/L		04/02/24 11:05	04/03/24 21:03	1
Barium	**0.032**		0.010	0.0031	mg/L		04/02/24 11:05	04/03/24 21:03	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/02/24 11:05	04/03/24 21:03	1
Boron	**0.075**	**J ^+**	0.080	0.060	mg/L		04/02/24 11:05	04/04/24 14:13	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/24 11:05	04/03/24 21:03	1
Calcium	**5.5**		0.50	0.13	mg/L		04/02/24 11:05	04/03/24 21:03	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/24 11:05	04/03/24 21:03	1
Cobalt	**0.00051**	**J**	0.0025	0.00026	mg/L		04/02/24 11:05	04/03/24 21:03	1
Lead	**0.00050**	**J**	0.0010	0.00038	mg/L		04/02/24 11:05	04/03/24 21:03	1
Lithium	**0.0017**	**J**	0.0050	0.0013	mg/L		04/02/24 11:05	04/03/24 21:03	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/02/24 11:05	04/03/24 21:03	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/02/24 11:05	04/03/24 21:03	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/02/24 11:05	04/03/24 21:03	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 09:18	04/04/24 12:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**270**		10	10	mg/L			04/01/24 13:53	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.79**				SU			03/27/24 18:35	1

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-1

Date Collected: 03/27/24 18:58
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-2

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**120**		1.0	0.71	mg/L			04/02/24 14:27	1
Fluoride, Dissolved	**0.064**	**J**	0.10	0.026	mg/L			04/02/24 14:27	1
Sulfate, Dissolved	**21**		1.0	0.76	mg/L			04/02/24 14:27	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	<0.00097		0.0020	0.00097	mg/L		04/02/24 11:05	04/03/24 21:05	1
Arsenic, Dissolved	**0.00036**	**J**	0.0010	0.00028	mg/L		04/02/24 11:05	04/03/24 21:05	1
Barium, Dissolved	**0.030**		0.010	0.0031	mg/L		04/02/24 11:05	04/03/24 21:05	1
Beryllium, Dissolved	<0.00027		0.0025	0.00027	mg/L		04/02/24 11:05	04/03/24 21:05	1
Boron, Dissolved	<0.060		0.080	0.060	mg/L		04/02/24 11:05	04/11/24 17:44	1
Cadmium, Dissolved	<0.00022		0.0025	0.00022	mg/L		04/02/24 11:05	04/03/24 21:05	1
Calcium, Dissolved	**5.7**		0.50	0.13	mg/L		04/02/24 11:05	04/03/24 21:05	1
Chromium, Dissolved	<0.0015		0.0020	0.0015	mg/L		04/02/24 11:05	04/03/24 21:05	1
Cobalt, Dissolved	**0.00041**	**J**	0.0025	0.00026	mg/L		04/02/24 11:05	04/03/24 21:05	1
Lead, Dissolved	<0.00038		0.0010	0.00038	mg/L		04/02/24 11:05	04/03/24 21:05	1
Lithium, Dissolved	**0.0016**	**J**	0.0050	0.0013	mg/L		04/02/24 11:05	04/03/24 21:05	1
Molybdenum, Dissolved	<0.00061		0.015	0.00061	mg/L		04/02/24 11:05	04/03/24 21:05	1
Selenium, Dissolved	<0.00074		0.0050	0.00074	mg/L		04/02/24 11:05	04/03/24 21:05	1
Thallium, Dissolved	<0.00047		0.0010	0.00047	mg/L		04/02/24 11:05	04/03/24 21:05	1

Method: SW846 EPA 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.13		0.20	0.13	ug/L		04/01/24 09:18	04/04/24 12:10	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**270**		10	10	mg/L			04/01/24 13:53	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-1

Date Collected: 03/27/24 18:08
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-3

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**190**		1.0	0.71	mg/L			04/02/24 17:32	1
Fluoride	**0.092**	**J**	0.20	0.026	mg/L			04/02/24 17:32	1
Sulfate	**32**		1.0	0.76	mg/L			04/02/24 17:32	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00097		0.0020	0.00097	mg/L		04/02/24 11:05	04/03/24 21:08	1
Arsenic	**0.00048**	**J**	0.0010	0.00028	mg/L		04/02/24 11:05	04/03/24 21:08	1
Barium	**0.032**		0.010	0.0031	mg/L		04/02/24 11:05	04/03/24 21:08	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/02/24 11:05	04/03/24 21:08	1
Boron	**0.075**	**J**	0.080	0.060	mg/L		04/02/24 11:05	04/11/24 17:47	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/24 11:05	04/03/24 21:08	1
Calcium	**6.4**		0.50	0.13	mg/L		04/02/24 11:05	04/03/24 21:08	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/24 11:05	04/03/24 21:08	1
Cobalt	**0.00053**	**J**	0.0025	0.00026	mg/L		04/02/24 11:05	04/03/24 21:08	1
Lead	**0.00046**	**J**	0.0010	0.00038	mg/L		04/02/24 11:05	04/03/24 21:08	1
Lithium	**0.0021**	**J**	0.0050	0.0013	mg/L		04/02/24 11:05	04/03/24 21:08	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/02/24 11:05	04/03/24 21:08	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/02/24 11:05	04/03/24 21:08	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/02/24 11:05	04/03/24 21:08	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 09:18	04/04/24 12:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**420**		10	10	mg/L			04/01/24 14:07	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.78**				SU			03/27/24 18:08	1

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-1

Date Collected: 03/27/24 18:22
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-4

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**170**		1.0	0.71	mg/L			04/02/24 18:09	1
Fluoride, Dissolved	**0.074**	**J**	0.10	0.026	mg/L			04/02/24 18:09	1
Sulfate, Dissolved	**29**		1.0	0.76	mg/L			04/02/24 18:09	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	<0.00097		0.0020	0.00097	mg/L		04/02/24 11:05	04/03/24 21:11	1
Arsenic, Dissolved	<0.00028		0.0010	0.00028	mg/L		04/02/24 11:05	04/03/24 21:11	1
Barium, Dissolved	**0.030**		0.010	0.0031	mg/L		04/02/24 11:05	04/03/24 21:11	1
Beryllium, Dissolved	<0.00027		0.0025	0.00027	mg/L		04/02/24 11:05	04/03/24 21:11	1
Boron, Dissolved	**0.078**	**J ^+**	0.080	0.060	mg/L		04/02/24 11:05	04/04/24 14:22	1
Cadmium, Dissolved	<0.00022		0.0025	0.00022	mg/L		04/02/24 11:05	04/03/24 21:11	1
Calcium, Dissolved	**6.0**		0.50	0.13	mg/L		04/02/24 11:05	04/03/24 21:11	1
Chromium, Dissolved	<0.0015		0.0020	0.0015	mg/L		04/02/24 11:05	04/03/24 21:11	1
Cobalt, Dissolved	**0.00041**	**J**	0.0025	0.00026	mg/L		04/02/24 11:05	04/03/24 21:11	1
Lead, Dissolved	<0.00038		0.0010	0.00038	mg/L		04/02/24 11:05	04/03/24 21:11	1
Lithium, Dissolved	**0.0017**	**J**	0.0050	0.0013	mg/L		04/02/24 11:05	04/03/24 21:11	1
Molybdenum, Dissolved	<0.00061		0.015	0.00061	mg/L		04/02/24 11:05	04/03/24 21:11	1
Selenium, Dissolved	<0.00074		0.0050	0.00074	mg/L		04/02/24 11:05	04/03/24 21:11	1
Thallium, Dissolved	<0.00047		0.0010	0.00047	mg/L		04/02/24 11:05	04/03/24 21:11	1

Method: SW846 EPA 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.13		0.20	0.13	ug/L		04/01/24 09:18	04/04/24 12:13	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**370**		10	10	mg/L			04/01/24 14:07	1

Client Sample ID: SW-2

Date Collected: 03/27/24 17:38
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-5

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**120**		1.0	0.71	mg/L			03/31/24 02:34	1
Fluoride	**0.056**	**J**	0.20	0.026	mg/L			03/31/24 02:34	1
Sulfate	**19**		1.0	0.76	mg/L			03/31/24 02:34	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00097		0.0020	0.00097	mg/L		04/02/24 11:05	04/03/24 21:14	1
Arsenic	**0.00036**	**J**	0.0010	0.00028	mg/L		04/02/24 11:05	04/03/24 21:14	1
Barium	**0.031**		0.010	0.0031	mg/L		04/02/24 11:05	04/03/24 21:14	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/02/24 11:05	04/03/24 21:14	1
Boron	**0.067**	**J ^+**	0.080	0.060	mg/L		04/02/24 11:05	04/04/24 14:25	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/24 11:05	04/03/24 21:14	1
Calcium	**5.0**		0.50	0.13	mg/L		04/02/24 11:05	04/03/24 21:14	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/24 11:05	04/03/24 21:14	1
Cobalt	**0.00049**	**J**	0.0025	0.00026	mg/L		04/02/24 11:05	04/03/24 21:14	1
Lead	**0.00048**	**J**	0.0010	0.00038	mg/L		04/02/24 11:05	04/03/24 21:14	1
Lithium	**0.0017**	**J**	0.0050	0.0013	mg/L		04/02/24 11:05	04/03/24 21:14	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/02/24 11:05	04/03/24 21:14	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/02/24 11:05	04/03/24 21:14	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/02/24 11:05	04/03/24 21:14	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 09:18	04/04/24 12:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**250**		10	10	mg/L			04/01/24 14:07	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.93**				SU			03/27/24 17:38	1

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-2

Date Collected: 03/27/24 17:50
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-6

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**110**	**F1**	1.0	0.71	mg/L			04/02/24 19:23	1
Fluoride, Dissolved	**0.049**	**J**	0.10	0.026	mg/L			04/02/24 19:23	1
Sulfate, Dissolved	**20**		1.0	0.76	mg/L			04/02/24 19:23	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	<0.00097		0.0020	0.00097	mg/L		04/02/24 11:05	04/03/24 21:17	1
Arsenic, Dissolved	<0.00028		0.0010	0.00028	mg/L		04/02/24 11:05	04/03/24 21:17	1
Barium, Dissolved	**0.028**		0.010	0.0031	mg/L		04/02/24 11:05	04/03/24 21:17	1
Beryllium, Dissolved	<0.00027		0.0025	0.00027	mg/L		04/02/24 11:05	04/03/24 21:17	1
Boron, Dissolved	**0.064**	**J ^+**	0.080	0.060	mg/L		04/02/24 11:05	04/04/24 14:27	1
Cadmium, Dissolved	<0.00022		0.0025	0.00022	mg/L		04/02/24 11:05	04/03/24 21:17	1
Calcium, Dissolved	**4.8**		0.50	0.13	mg/L		04/02/24 11:05	04/03/24 21:17	1
Chromium, Dissolved	<0.0015		0.0020	0.0015	mg/L		04/02/24 11:05	04/03/24 21:17	1
Cobalt, Dissolved	**0.00036**	**J**	0.0025	0.00026	mg/L		04/02/24 11:05	04/03/24 21:17	1
Lead, Dissolved	<0.00038		0.0010	0.00038	mg/L		04/02/24 11:05	04/03/24 21:17	1
Lithium, Dissolved	**0.0014**	**J**	0.0050	0.0013	mg/L		04/02/24 11:05	04/03/24 21:17	1
Molybdenum, Dissolved	<0.00061		0.015	0.00061	mg/L		04/02/24 11:05	04/03/24 21:17	1
Selenium, Dissolved	<0.00074		0.0050	0.00074	mg/L		04/02/24 11:05	04/03/24 21:17	1
Thallium, Dissolved	<0.00047		0.0010	0.00047	mg/L		04/02/24 11:05	04/03/24 21:17	1

Method: SW846 EPA 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.13		0.20	0.13	ug/L		04/01/24 09:18	04/04/24 12:15	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**250**		10	10	mg/L			04/02/24 17:45	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-2

Date Collected: 03/27/24 17:10
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-7

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**130**		1.0	0.71	mg/L			04/02/24 18:46	1
Fluoride	**0.064**	**J**	0.20	0.026	mg/L			04/02/24 18:46	1
Sulfate	**22**		1.0	0.76	mg/L			04/02/24 18:46	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00097		0.0020	0.00097	mg/L		04/02/24 11:05	04/03/24 21:25	1
Arsenic	**0.00045**	**J**	0.0010	0.00028	mg/L		04/02/24 11:05	04/03/24 21:25	1
Barium	**0.030**		0.010	0.0031	mg/L		04/02/24 11:05	04/03/24 21:25	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/02/24 11:05	04/03/24 21:25	1
Boron	**0.072**	**J**	0.080	0.060	mg/L		04/02/24 11:05	04/03/24 21:25	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/24 11:05	04/03/24 21:25	1
Calcium	**5.5**		0.50	0.13	mg/L		04/02/24 11:05	04/03/24 21:25	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/24 11:05	04/03/24 21:25	1
Cobalt	**0.00051**	**J**	0.0025	0.00026	mg/L		04/02/24 11:05	04/03/24 21:25	1
Lead	**0.00045**	**J**	0.0010	0.00038	mg/L		04/02/24 11:05	04/03/24 21:25	1
Lithium	**0.0017**	**J**	0.0050	0.0013	mg/L		04/02/24 11:05	04/03/24 21:25	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/02/24 11:05	04/03/24 21:25	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/02/24 11:05	04/03/24 21:25	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/02/24 11:05	04/03/24 21:25	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 09:18	04/04/24 12:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**280**		10	10	mg/L			04/02/24 17:45	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.86**				SU			03/27/24 17:10	1

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-2

Date Collected: 03/27/24 17:25
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-8

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**130**		1.0	0.71	mg/L			04/02/24 19:05	1
Fluoride, Dissolved	**0.062**	**J**	0.10	0.026	mg/L			04/02/24 19:05	1
Sulfate, Dissolved	**22**		1.0	0.76	mg/L			04/02/24 19:05	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	<0.00097		0.0020	0.00097	mg/L		04/02/24 11:05	04/03/24 21:28	1
Arsenic, Dissolved	**0.00034**	**J**	0.0010	0.00028	mg/L		04/02/24 11:05	04/03/24 21:28	1
Barium, Dissolved	**0.030**		0.010	0.0031	mg/L		04/02/24 11:05	04/03/24 21:28	1
Beryllium, Dissolved	<0.00027		0.0025	0.00027	mg/L		04/02/24 11:05	04/03/24 21:28	1
Boron, Dissolved	**0.071**	**J**	0.080	0.060	mg/L		04/02/24 11:05	04/03/24 21:28	1
Cadmium, Dissolved	<0.00022		0.0025	0.00022	mg/L		04/02/24 11:05	04/03/24 21:28	1
Calcium, Dissolved	**5.5**		0.50	0.13	mg/L		04/02/24 11:05	04/03/24 21:28	1
Chromium, Dissolved	<0.0015		0.0020	0.0015	mg/L		04/02/24 11:05	04/03/24 21:28	1
Cobalt, Dissolved	**0.00042**	**J**	0.0025	0.00026	mg/L		04/02/24 11:05	04/03/24 21:28	1
Lead, Dissolved	<0.00038		0.0010	0.00038	mg/L		04/02/24 11:05	04/03/24 21:28	1
Lithium, Dissolved	<0.0013		0.0050	0.0013	mg/L		04/02/24 11:05	04/03/24 21:28	1
Molybdenum, Dissolved	<0.00061		0.015	0.00061	mg/L		04/02/24 11:05	04/03/24 21:28	1
Selenium, Dissolved	<0.00074		0.0050	0.00074	mg/L		04/02/24 11:05	04/03/24 21:28	1
Thallium, Dissolved	<0.00047		0.0010	0.00047	mg/L		04/02/24 11:05	04/03/24 21:28	1

Method: SW846 EPA 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.13		0.20	0.13	ug/L		04/01/24 09:18	04/04/24 12:17	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**280**		10	10	mg/L			04/02/24 17:45	1

Client Sample ID: SW-3

Date Collected: 03/27/24 10:02
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-9

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**190**		1.0	0.71	mg/L			04/02/24 20:56	1
Fluoride	**0.088**	**J**	0.20	0.026	mg/L			04/02/24 20:56	1
Sulfate	**32**		1.0	0.76	mg/L			04/02/24 20:56	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00097		0.0020	0.00097	mg/L		04/02/24 11:05	04/03/24 21:31	1
Arsenic	**0.0014**		0.0010	0.00028	mg/L		04/02/24 11:05	04/03/24 21:31	1
Barium	**0.044**		0.010	0.0031	mg/L		04/02/24 11:05	04/03/24 21:31	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/02/24 11:05	04/03/24 21:31	1
Boron	**0.087**		0.080	0.060	mg/L		04/02/24 11:05	04/03/24 21:31	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/24 11:05	04/03/24 21:31	1
Calcium	**7.1**		0.50	0.13	mg/L		04/02/24 11:05	04/03/24 21:31	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/24 11:05	04/03/24 21:31	1
Cobalt	**0.00053**	**J**	0.0025	0.00026	mg/L		04/02/24 11:05	04/03/24 21:31	1
Lead	**0.00054**	**J**	0.0010	0.00038	mg/L		04/02/24 11:05	04/03/24 21:31	1
Lithium	**0.0025**	**J**	0.0050	0.0013	mg/L		04/02/24 11:05	04/03/24 21:31	1
Molybdenum	**0.00077**	**J**	0.015	0.00061	mg/L		04/02/24 11:05	04/03/24 21:31	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/02/24 11:05	04/03/24 21:31	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/02/24 11:05	04/03/24 21:31	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 09:18	04/04/24 12:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**400**		10	10	mg/L			04/02/24 17:45	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.8**				SU			03/27/24 10:02	1

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-3

Date Collected: 03/27/24 10:17
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-10

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**190**		1.0	0.71	mg/L			04/02/24 21:14	1
Fluoride, Dissolved	**0.070**	**J**	0.10	0.026	mg/L			04/02/24 21:14	1
Sulfate, Dissolved	**32**		1.0	0.76	mg/L			04/02/24 21:14	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	<0.00097		0.0020	0.00097	mg/L		04/02/24 11:05	04/03/24 21:34	1
Arsenic, Dissolved	**0.00037**	**J**	0.0010	0.00028	mg/L		04/02/24 11:05	04/03/24 21:34	1
Barium, Dissolved	**0.029**		0.010	0.0031	mg/L		04/02/24 11:05	04/03/24 21:34	1
Beryllium, Dissolved	<0.00027		0.0025	0.00027	mg/L		04/02/24 11:05	04/03/24 21:34	1
Boron, Dissolved	**0.085**		0.080	0.060	mg/L		04/02/24 11:05	04/03/24 21:34	1
Cadmium, Dissolved	<0.00022		0.0025	0.00022	mg/L		04/02/24 11:05	04/03/24 21:34	1
Calcium, Dissolved	**6.8**		0.50	0.13	mg/L		04/02/24 11:05	04/03/24 21:34	1
Chromium, Dissolved	<0.0015		0.0020	0.0015	mg/L		04/02/24 11:05	04/03/24 21:34	1
Cobalt, Dissolved	**0.00033**	**J**	0.0025	0.00026	mg/L		04/02/24 11:05	04/03/24 21:34	1
Lead, Dissolved	<0.00038		0.0010	0.00038	mg/L		04/02/24 11:05	04/03/24 21:34	1
Lithium, Dissolved	**0.0021**	**J**	0.0050	0.0013	mg/L		04/02/24 11:05	04/03/24 21:34	1
Molybdenum, Dissolved	<0.00061		0.015	0.00061	mg/L		04/02/24 11:05	04/03/24 21:34	1
Selenium, Dissolved	<0.00074		0.0050	0.00074	mg/L		04/02/24 11:05	04/03/24 21:34	1
Thallium, Dissolved	<0.00047		0.0010	0.00047	mg/L		04/02/24 11:05	04/03/24 21:34	1

Method: SW846 EPA 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.13		0.20	0.13	ug/L		04/01/24 09:18	04/04/24 12:22	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**390**		10	10	mg/L			04/02/24 17:45	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-3

Date Collected: 03/27/24 10:30
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-11

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**390**		5.0	3.6	mg/L			04/02/24 21:51	5
Fluoride	**0.074**	**J**	0.20	0.026	mg/L			04/02/24 21:33	1
Sulfate	**60**		1.0	0.76	mg/L			04/02/24 21:33	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00097		0.0020	0.00097	mg/L		04/02/24 11:05	04/03/24 21:36	1
Arsenic	**0.00059**	**J**	0.0010	0.00028	mg/L		04/02/24 11:05	04/03/24 21:36	1
Barium	**0.033**		0.010	0.0031	mg/L		04/02/24 11:05	04/03/24 21:36	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/02/24 11:05	04/03/24 21:36	1
Boron	**0.10**		0.080	0.060	mg/L		04/02/24 11:05	04/03/24 21:36	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/24 11:05	04/03/24 21:36	1
Calcium	**8.8**		0.50	0.13	mg/L		04/02/24 11:05	04/03/24 21:36	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/24 11:05	04/03/24 21:36	1
Cobalt	**0.00041**	**J**	0.0025	0.00026	mg/L		04/02/24 11:05	04/03/24 21:36	1
Lead	**0.00041**	**J**	0.0010	0.00038	mg/L		04/02/24 11:05	04/03/24 21:36	1
Lithium	**0.0030**	**J**	0.0050	0.0013	mg/L		04/02/24 11:05	04/03/24 21:36	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/02/24 11:05	04/03/24 21:36	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/02/24 11:05	04/03/24 21:36	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/02/24 11:05	04/03/24 21:36	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 09:18	04/04/24 12:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**770**		10	10	mg/L			04/02/24 17:45	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.55**				SU			03/27/24 10:30	1

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-3

Date Collected: 03/27/24 10:40
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-12

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**490**		10	7.1	mg/L			04/03/24 00:19	10
Fluoride, Dissolved	**0.077**	**J**	0.10	0.026	mg/L			04/03/24 00:01	1
Sulfate, Dissolved	**72**		1.0	0.76	mg/L			04/03/24 00:01	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	<0.00097		0.0020	0.00097	mg/L		04/02/24 11:05	04/03/24 21:39	1
Arsenic, Dissolved	**0.00054**	**J**	0.0010	0.00028	mg/L		04/02/24 11:05	04/03/24 21:39	1
Barium, Dissolved	**0.033**		0.010	0.0031	mg/L		04/02/24 11:05	04/03/24 21:39	1
Beryllium, Dissolved	<0.00027		0.0025	0.00027	mg/L		04/02/24 11:05	04/03/24 21:39	1
Boron, Dissolved	**0.15**		0.080	0.060	mg/L		04/02/24 11:05	04/03/24 21:39	1
Cadmium, Dissolved	<0.00022		0.0025	0.00022	mg/L		04/02/24 11:05	04/03/24 21:39	1
Calcium, Dissolved	**13**		0.50	0.13	mg/L		04/02/24 11:05	04/03/24 21:39	1
Chromium, Dissolved	<0.0015		0.0020	0.0015	mg/L		04/02/24 11:05	04/03/24 21:39	1
Cobalt, Dissolved	**0.00031**	**J**	0.0025	0.00026	mg/L		04/02/24 11:05	04/03/24 21:39	1
Lead, Dissolved	<0.00038		0.0010	0.00038	mg/L		04/02/24 11:05	04/03/24 21:39	1
Lithium, Dissolved	**0.0043**	**J**	0.0050	0.0013	mg/L		04/02/24 11:05	04/03/24 21:39	1
Molybdenum, Dissolved	<0.00061		0.015	0.00061	mg/L		04/02/24 11:05	04/03/24 21:39	1
Selenium, Dissolved	<0.00074		0.0050	0.00074	mg/L		04/02/24 11:05	04/03/24 21:39	1
Thallium, Dissolved	<0.00047		0.0010	0.00047	mg/L		04/02/24 11:05	04/03/24 21:39	1

Method: SW846 EPA 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.13		0.20	0.13	ug/L		04/01/24 09:18	04/04/24 12:24	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**940**		10	10	mg/L			04/02/24 17:45	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-4

Date Collected: 03/27/24 08:38
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-13

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**180**		1.0	0.71	mg/L			04/02/24 23:05	1
Fluoride	**0.068**	**J**	0.20	0.026	mg/L			04/02/24 23:05	1
Sulfate	**30**		1.0	0.76	mg/L			04/02/24 23:05	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.0017**	**J B**	0.0020	0.00097	mg/L		04/02/24 11:05	04/03/24 15:03	1
Arsenic	**0.00071**	**J**	0.0010	0.00028	mg/L		04/02/24 11:05	04/03/24 15:03	1
Barium	**0.029**		0.010	0.0031	mg/L		04/02/24 11:05	04/03/24 15:03	1
Beryllium	**0.00028**	**J**	0.0025	0.00027	mg/L		04/02/24 11:05	04/03/24 15:03	1
Boron	**0.085**	**^5-**	0.080	0.060	mg/L		04/02/24 11:05	04/03/24 15:03	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/24 11:05	04/03/24 15:03	1
Calcium	**5.8**		0.50	0.13	mg/L		04/02/24 11:05	04/03/24 15:03	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/24 11:05	04/03/24 15:03	1
Cobalt	**0.00056**	**J**	0.0025	0.00026	mg/L		04/02/24 11:05	04/03/24 15:03	1
Lead	**0.00066**	**J**	0.0010	0.00038	mg/L		04/02/24 11:05	04/03/24 15:03	1
Lithium	**0.0035**	**J**	0.0050	0.0013	mg/L		04/02/24 11:05	04/03/24 15:03	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/02/24 11:05	04/03/24 15:03	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/02/24 11:05	04/03/24 15:03	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/02/24 11:05	04/03/24 15:03	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 09:18	04/04/24 12:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**380**		10	10	mg/L			04/02/24 17:45	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.32**				SU			03/27/24 08:38	1

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-4

Date Collected: 03/27/24 08:58
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-14

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**170**		1.0	0.71	mg/L			04/02/24 22:47	1
Fluoride, Dissolved	**0.071**	**J**	0.10	0.026	mg/L			04/02/24 22:47	1
Sulfate, Dissolved	**28**		1.0	0.76	mg/L			04/02/24 22:47	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	**0.0013**	**J B**	0.0020	0.00097	mg/L		04/02/24 11:05	04/03/24 15:17	1
Arsenic, Dissolved	**0.00054**	**J**	0.0010	0.00028	mg/L		04/02/24 11:05	04/03/24 15:17	1
Barium, Dissolved	**0.027**		0.010	0.0031	mg/L		04/02/24 11:05	04/03/24 15:17	1
Beryllium, Dissolved	<0.00027		0.0025	0.00027	mg/L		04/02/24 11:05	04/03/24 15:17	1
Boron, Dissolved	**0.095**	**^5-**	0.080	0.060	mg/L		04/02/24 11:05	04/03/24 15:17	1
Cadmium, Dissolved	<0.00022		0.0025	0.00022	mg/L		04/02/24 11:05	04/03/24 15:17	1
Calcium, Dissolved	**6.0**		0.50	0.13	mg/L		04/02/24 11:05	04/03/24 15:17	1
Chromium, Dissolved	<0.0015		0.0020	0.0015	mg/L		04/02/24 11:05	04/03/24 15:17	1
Cobalt, Dissolved	**0.00042**	**J**	0.0025	0.00026	mg/L		04/02/24 11:05	04/03/24 15:17	1
Lead, Dissolved	<0.00038		0.0010	0.00038	mg/L		04/02/24 11:05	04/03/24 15:17	1
Lithium, Dissolved	**0.0034**	**J**	0.0050	0.0013	mg/L		04/02/24 11:05	04/03/24 15:17	1
Molybdenum, Dissolved	<0.00061		0.015	0.00061	mg/L		04/02/24 11:05	04/03/24 15:17	1
Selenium, Dissolved	**0.00081**	**J**	0.0050	0.00074	mg/L		04/02/24 11:05	04/03/24 15:17	1
Thallium, Dissolved	<0.00047		0.0010	0.00047	mg/L		04/02/24 11:05	04/03/24 15:17	1

Method: SW846 EPA 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.13		0.20	0.13	ug/L		04/01/24 09:18	04/04/24 12:26	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**350**		10	10	mg/L			04/02/24 17:45	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-5

Date Collected: 03/27/24 08:40
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-15

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17**		1.0	0.71	mg/L			04/02/24 22:28	1
Fluoride	**0.048**	**J**	0.20	0.026	mg/L			04/02/24 22:28	1
Sulfate	**5.3**		1.0	0.76	mg/L			04/02/24 22:28	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.0011**	**J B**	0.0020	0.00097	mg/L		04/02/24 11:05	04/03/24 15:20	1
Arsenic	**0.00058**	**J**	0.0010	0.00028	mg/L		04/02/24 11:05	04/03/24 15:20	1
Barium	**0.041**		0.010	0.0031	mg/L		04/02/24 11:05	04/03/24 15:20	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/02/24 11:05	04/03/24 15:20	1
Boron	<0.060	^5-	0.080	0.060	mg/L		04/02/24 11:05	04/03/24 15:20	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/24 11:05	04/03/24 15:20	1
Calcium	**2.3**		0.50	0.13	mg/L		04/02/24 11:05	04/03/24 15:20	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/24 11:05	04/03/24 15:20	1
Cobalt	**0.00070**	**J**	0.0025	0.00026	mg/L		04/02/24 11:05	04/03/24 15:20	1
Lead	**0.00089**	**J**	0.0010	0.00038	mg/L		04/02/24 11:05	04/03/24 15:20	1
Lithium	**0.0014**	**J**	0.0050	0.0013	mg/L		04/02/24 11:05	04/03/24 15:20	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/02/24 11:05	04/03/24 15:20	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/02/24 11:05	04/03/24 15:20	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/02/24 11:05	04/03/24 15:20	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 09:18	04/04/24 12:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**68**		10	10	mg/L			04/02/24 17:45	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6**				SU			03/27/24 08:40	1

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-5

Date Collected: 03/27/24 08:57
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-16

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**17**		1.0	0.71	mg/L			04/02/24 22:10	1
Fluoride, Dissolved	**0.050**	**J**	0.10	0.026	mg/L			04/02/24 22:10	1
Sulfate, Dissolved	**5.2**		1.0	0.76	mg/L			04/02/24 22:10	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	**0.0011**	**J B**	0.0020	0.00097	mg/L		04/02/24 11:05	04/03/24 15:22	1
Arsenic, Dissolved	**0.00041**	**J**	0.0010	0.00028	mg/L		04/02/24 11:05	04/03/24 15:22	1
Barium, Dissolved	**0.035**		0.010	0.0031	mg/L		04/02/24 11:05	04/03/24 15:22	1
Beryllium, Dissolved	<0.00027		0.0025	0.00027	mg/L		04/02/24 11:05	04/03/24 15:22	1
Boron, Dissolved	<0.060	^5-	0.080	0.060	mg/L		04/02/24 11:05	04/03/24 15:22	1
Cadmium, Dissolved	<0.00022		0.0025	0.00022	mg/L		04/02/24 11:05	04/03/24 15:22	1
Calcium, Dissolved	**2.1**		0.50	0.13	mg/L		04/02/24 11:05	04/03/24 15:22	1
Chromium, Dissolved	<0.0015		0.0020	0.0015	mg/L		04/02/24 11:05	04/03/24 15:22	1
Cobalt, Dissolved	**0.00050**	**J**	0.0025	0.00026	mg/L		04/02/24 11:05	04/03/24 15:22	1
Lead, Dissolved	<0.00038		0.0010	0.00038	mg/L		04/02/24 11:05	04/03/24 15:22	1
Lithium, Dissolved	<0.0013		0.0050	0.0013	mg/L		04/02/24 11:05	04/03/24 15:22	1
Molybdenum, Dissolved	<0.00061		0.015	0.00061	mg/L		04/02/24 11:05	04/03/24 15:22	1
Selenium, Dissolved	<0.00074		0.0050	0.00074	mg/L		04/02/24 11:05	04/03/24 15:22	1
Thallium, Dissolved	<0.00047		0.0010	0.00047	mg/L		04/02/24 11:05	04/03/24 15:22	1

Method: SW846 EPA 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.13		0.20	0.13	ug/L		04/01/24 09:18	04/04/24 12:28	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**52**		10	10	mg/L			04/02/24 17:45	1

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-5

Date Collected: 03/27/24 08:11
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-17

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17**		1.0	0.71	mg/L			04/03/24 00:38	1
Fluoride	**0.042**	**J**	0.20	0.026	mg/L			04/03/24 00:38	1
Sulfate	**5.3**		1.0	0.76	mg/L			04/03/24 00:38	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.0010**	**J B**	0.0020	0.00097	mg/L		04/02/24 11:05	04/03/24 15:31	1
Arsenic	**0.00060**	**J**	0.0010	0.00028	mg/L		04/02/24 11:05	04/03/24 15:31	1
Barium	**0.040**		0.010	0.0031	mg/L		04/02/24 11:05	04/03/24 15:31	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/02/24 11:05	04/03/24 15:31	1
Boron	<0.060	^5-	0.080	0.060	mg/L		04/02/24 11:05	04/03/24 15:31	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/24 11:05	04/03/24 15:31	1
Calcium	**2.2**		0.50	0.13	mg/L		04/02/24 11:05	04/03/24 15:31	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/24 11:05	04/03/24 15:31	1
Cobalt	**0.00068**	**J**	0.0025	0.00026	mg/L		04/02/24 11:05	04/03/24 15:31	1
Lead	**0.00087**	**J**	0.0010	0.00038	mg/L		04/02/24 11:05	04/03/24 15:31	1
Lithium	**0.0014**	**J**	0.0050	0.0013	mg/L		04/02/24 11:05	04/03/24 15:31	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/02/24 11:05	04/03/24 15:31	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/02/24 11:05	04/03/24 15:31	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/02/24 11:05	04/03/24 15:31	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 09:18	04/04/24 12:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**75**		10	10	mg/L			04/02/24 17:45	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.62**				SU			03/27/24 08:11	1

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-5

Date Collected: 03/27/24 08:22
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-18

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**17**		1.0	0.71	mg/L			04/03/24 01:33	1
Fluoride, Dissolved	**0.041**	**J**	0.10	0.026	mg/L			04/03/24 01:33	1
Sulfate, Dissolved	**5.1**		1.0	0.76	mg/L			04/03/24 01:33	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	<0.00097		0.0020	0.00097	mg/L		04/02/24 11:05	04/03/24 15:34	1
Arsenic, Dissolved	**0.00029**	**J**	0.0010	0.00028	mg/L		04/02/24 11:05	04/03/24 15:34	1
Barium, Dissolved	**0.034**		0.010	0.0031	mg/L		04/02/24 11:05	04/03/24 15:34	1
Beryllium, Dissolved	<0.00027		0.0025	0.00027	mg/L		04/02/24 11:05	04/03/24 15:34	1
Boron, Dissolved	<0.060	^5-	0.080	0.060	mg/L		04/02/24 11:05	04/03/24 15:34	1
Cadmium, Dissolved	<0.00022		0.0025	0.00022	mg/L		04/02/24 11:05	04/03/24 15:34	1
Calcium, Dissolved	**2.0**		0.50	0.13	mg/L		04/02/24 11:05	04/03/24 15:34	1
Chromium, Dissolved	<0.0015		0.0020	0.0015	mg/L		04/02/24 11:05	04/03/24 15:34	1
Cobalt, Dissolved	**0.00048**	**J**	0.0025	0.00026	mg/L		04/02/24 11:05	04/03/24 15:34	1
Lead, Dissolved	<0.00038		0.0010	0.00038	mg/L		04/02/24 11:05	04/03/24 15:34	1
Lithium, Dissolved	<0.0013		0.0050	0.0013	mg/L		04/02/24 11:05	04/03/24 15:34	1
Molybdenum, Dissolved	<0.00061		0.015	0.00061	mg/L		04/02/24 11:05	04/03/24 15:34	1
Selenium, Dissolved	<0.00074		0.0050	0.00074	mg/L		04/02/24 11:05	04/03/24 15:34	1
Thallium, Dissolved	<0.00047		0.0010	0.00047	mg/L		04/02/24 11:05	04/03/24 15:34	1

Method: SW846 EPA 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.13		0.20	0.13	ug/L		04/01/24 09:19	04/04/24 12:55	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**54**		10	10	mg/L			04/02/24 17:45	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-6

Date Collected: 03/27/24 10:17
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-19

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**140**		1.0	0.71	mg/L			04/03/24 02:29	1
Fluoride	**0.071**	**J**	0.20	0.026	mg/L			04/03/24 02:29	1
Sulfate	**26**		1.0	0.76	mg/L			04/03/24 02:29	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00097		0.0020	0.00097	mg/L		04/02/24 11:05	04/03/24 15:37	1
Arsenic	**0.00064**	**J**	0.0010	0.00028	mg/L		04/02/24 11:05	04/03/24 15:37	1
Barium	**0.029**		0.010	0.0031	mg/L		04/02/24 11:05	04/03/24 15:37	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/02/24 11:05	04/03/24 15:37	1
Boron	**0.063**	**J ^5-**	0.080	0.060	mg/L		04/02/24 11:05	04/03/24 15:37	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/24 11:05	04/03/24 15:37	1
Calcium	**7.4**		0.50	0.13	mg/L		04/02/24 11:05	04/03/24 15:37	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/24 11:05	04/03/24 15:37	1
Cobalt	**0.00043**	**J**	0.0025	0.00026	mg/L		04/02/24 11:05	04/03/24 15:37	1
Lead	**0.00054**	**J**	0.0010	0.00038	mg/L		04/02/24 11:05	04/03/24 15:37	1
Lithium	**0.0025**	**J**	0.0050	0.0013	mg/L		04/02/24 11:05	04/03/24 15:37	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/02/24 11:05	04/03/24 15:37	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/02/24 11:05	04/03/24 15:37	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/02/24 11:05	04/03/24 15:37	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 09:19	04/04/24 12:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**310**		10	10	mg/L			04/02/24 17:45	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.81**				SU			03/27/24 10:17	1

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-6

Date Collected: 03/27/24 10:29
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-20

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**140**		1.0	0.71	mg/L			04/03/24 02:47	1
Fluoride, Dissolved	**0.052**	**J**	0.10	0.026	mg/L			04/03/24 02:47	1
Sulfate, Dissolved	**25**		1.0	0.76	mg/L			04/03/24 02:47	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	<0.00097		0.0020	0.00097	mg/L		04/02/24 11:05	04/03/24 15:40	1
Arsenic, Dissolved	**0.00049**	**J**	0.0010	0.00028	mg/L		04/02/24 11:05	04/03/24 15:40	1
Barium, Dissolved	**0.027**		0.010	0.0031	mg/L		04/02/24 11:05	04/03/24 15:40	1
Beryllium, Dissolved	<0.00027		0.0025	0.00027	mg/L		04/02/24 11:05	04/03/24 15:40	1
Boron, Dissolved	**0.062**	**J ^5-**	0.080	0.060	mg/L		04/02/24 11:05	04/03/24 15:40	1
Cadmium, Dissolved	<0.00022		0.0025	0.00022	mg/L		04/02/24 11:05	04/03/24 15:40	1
Calcium, Dissolved	**7.2**		0.50	0.13	mg/L		04/02/24 11:05	04/03/24 15:40	1
Chromium, Dissolved	<0.0015		0.0020	0.0015	mg/L		04/02/24 11:05	04/03/24 15:40	1
Cobalt, Dissolved	**0.00032**	**J**	0.0025	0.00026	mg/L		04/02/24 11:05	04/03/24 15:40	1
Lead, Dissolved	<0.00038		0.0010	0.00038	mg/L		04/02/24 11:05	04/03/24 15:40	1
Lithium, Dissolved	**0.0022**	**J**	0.0050	0.0013	mg/L		04/02/24 11:05	04/03/24 15:40	1
Molybdenum, Dissolved	<0.00061		0.015	0.00061	mg/L		04/02/24 11:05	04/03/24 15:40	1
Selenium, Dissolved	<0.00074		0.0050	0.00074	mg/L		04/02/24 11:05	04/03/24 15:40	1
Thallium, Dissolved	<0.00047		0.0010	0.00047	mg/L		04/02/24 11:05	04/03/24 15:40	1

Method: SW846 EPA 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.13		0.20	0.13	ug/L		04/01/24 09:19	04/04/24 12:57	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**320**		10	10	mg/L			04/02/24 17:45	1

Client Sample ID: SW-6

Date Collected: 03/27/24 09:42
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-21

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**150**		1.0	0.71	mg/L			04/03/24 03:43	1
Fluoride	**0.073**	**J**	0.20	0.026	mg/L			04/03/24 03:43	1
Sulfate	**27**		1.0	0.76	mg/L			04/03/24 03:43	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00097		0.0020	0.00097	mg/L		04/02/24 11:05	04/03/24 15:42	1
Arsenic	**0.00073**	**J**	0.0010	0.00028	mg/L		04/02/24 11:05	04/03/24 15:42	1
Barium	**0.028**		0.010	0.0031	mg/L		04/02/24 11:05	04/03/24 15:42	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/02/24 11:05	04/03/24 15:42	1
Boron	**0.067**	**J ^5-**	0.080	0.060	mg/L		04/02/24 11:05	04/03/24 15:42	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/24 11:05	04/03/24 15:42	1
Calcium	**7.6**		0.50	0.13	mg/L		04/02/24 11:05	04/03/24 15:42	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/24 11:05	04/03/24 15:42	1
Cobalt	**0.00042**	**J**	0.0025	0.00026	mg/L		04/02/24 11:05	04/03/24 15:42	1
Lead	**0.00059**	**J**	0.0010	0.00038	mg/L		04/02/24 11:05	04/03/24 15:42	1
Lithium	**0.0026**	**J**	0.0050	0.0013	mg/L		04/02/24 11:05	04/03/24 15:42	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/02/24 11:05	04/03/24 15:42	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/02/24 11:05	04/03/24 15:42	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/02/24 11:05	04/03/24 15:42	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 08:22	04/04/24 11:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**350**		10	10	mg/L			04/02/24 17:45	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.57**				SU			03/27/24 09:42	1

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-6

Date Collected: 03/27/24 10:00
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-22

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**150**		1.0	0.71	mg/L			04/03/24 04:01	1
Fluoride, Dissolved	**0.053**	**J**	0.10	0.026	mg/L			04/03/24 04:01	1
Sulfate, Dissolved	**27**		1.0	0.76	mg/L			04/03/24 04:01	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	<0.00097		0.0020	0.00097	mg/L		04/02/24 11:05	04/03/24 15:45	1
Arsenic, Dissolved	**0.00053**	**J**	0.0010	0.00028	mg/L		04/02/24 11:05	04/03/24 15:45	1
Barium, Dissolved	**0.027**		0.010	0.0031	mg/L		04/02/24 11:05	04/03/24 15:45	1
Beryllium, Dissolved	<0.00027		0.0025	0.00027	mg/L		04/02/24 11:05	04/03/24 15:45	1
Boron, Dissolved	**0.066**	**J ^5-**	0.080	0.060	mg/L		04/02/24 11:05	04/03/24 15:45	1
Cadmium, Dissolved	<0.00022		0.0025	0.00022	mg/L		04/02/24 11:05	04/03/24 15:45	1
Calcium, Dissolved	**7.6**		0.50	0.13	mg/L		04/02/24 11:05	04/03/24 15:45	1
Chromium, Dissolved	<0.0015		0.0020	0.0015	mg/L		04/02/24 11:05	04/03/24 15:45	1
Cobalt, Dissolved	**0.00033**	**J**	0.0025	0.00026	mg/L		04/02/24 11:05	04/03/24 15:45	1
Lead, Dissolved	<0.00038		0.0010	0.00038	mg/L		04/02/24 11:05	04/03/24 15:45	1
Lithium, Dissolved	**0.0022**	**J**	0.0050	0.0013	mg/L		04/02/24 11:05	04/03/24 15:45	1
Molybdenum, Dissolved	<0.00061		0.015	0.00061	mg/L		04/02/24 11:05	04/03/24 15:45	1
Selenium, Dissolved	<0.00074		0.0050	0.00074	mg/L		04/02/24 11:05	04/03/24 15:45	1
Thallium, Dissolved	<0.00047		0.0010	0.00047	mg/L		04/02/24 11:05	04/03/24 15:45	1

Method: SW846 EPA 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.13		0.20	0.13	ug/L		04/01/24 08:22	04/04/24 11:36	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**340**		10	10	mg/L			04/02/24 17:45	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-9

Date Collected: 03/27/24 10:57
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-23

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**120**		1.0	0.71	mg/L			04/03/24 04:19	1
Fluoride	**0.053**	**J**	0.20	0.026	mg/L			04/03/24 04:19	1
Sulfate	**20**		1.0	0.76	mg/L			04/03/24 04:19	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00097		0.0020	0.00097	mg/L		04/02/24 11:05	04/03/24 15:48	1
Arsenic	**0.00067**	**J**	0.0010	0.00028	mg/L		04/02/24 11:05	04/03/24 15:48	1
Barium	**0.032**		0.010	0.0031	mg/L		04/02/24 11:05	04/03/24 15:48	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/02/24 11:05	04/03/24 15:48	1
Boron	<0.060	^5-	0.080	0.060	mg/L		04/02/24 11:05	04/03/24 15:48	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/24 11:05	04/03/24 15:48	1
Calcium	**5.0**		0.50	0.13	mg/L		04/02/24 11:05	04/03/24 15:48	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/24 11:05	04/03/24 15:48	1
Cobalt	**0.00054**	**J**	0.0025	0.00026	mg/L		04/02/24 11:05	04/03/24 15:48	1
Lead	**0.00049**	**J**	0.0010	0.00038	mg/L		04/02/24 11:05	04/03/24 15:48	1
Lithium	**0.0021**	**J**	0.0050	0.0013	mg/L		04/02/24 11:05	04/03/24 15:48	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/02/24 11:05	04/03/24 15:48	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/02/24 11:05	04/03/24 15:48	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/02/24 11:05	04/03/24 15:48	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 08:22	04/04/24 11:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**260**		10	10	mg/L			04/02/24 17:45	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.7**				SU			03/27/24 10:57	1

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-9

Date Collected: 03/27/24 11:10
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-24

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**120**		1.0	0.71	mg/L			04/03/24 04:38	1
Fluoride, Dissolved	**0.041**	**J**	0.10	0.026	mg/L			04/03/24 04:38	1
Sulfate, Dissolved	**20**		1.0	0.76	mg/L			04/03/24 04:38	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	<0.00097		0.0020	0.00097	mg/L		04/02/24 11:05	04/03/24 15:51	1
Arsenic, Dissolved	**0.00045**	**J**	0.0010	0.00028	mg/L		04/02/24 11:05	04/03/24 15:51	1
Barium, Dissolved	**0.032**		0.010	0.0031	mg/L		04/02/24 11:05	04/03/24 15:51	1
Beryllium, Dissolved	<0.00027		0.0025	0.00027	mg/L		04/02/24 11:05	04/03/24 15:51	1
Boron, Dissolved	<0.060	^5-	0.080	0.060	mg/L		04/02/24 11:05	04/03/24 15:51	1
Cadmium, Dissolved	<0.00022		0.0025	0.00022	mg/L		04/02/24 11:05	04/03/24 15:51	1
Calcium, Dissolved	**5.0**		0.50	0.13	mg/L		04/02/24 11:05	04/03/24 15:51	1
Chromium, Dissolved	<0.0015		0.0020	0.0015	mg/L		04/02/24 11:05	04/03/24 15:51	1
Cobalt, Dissolved	**0.00044**	**J**	0.0025	0.00026	mg/L		04/02/24 11:05	04/03/24 15:51	1
Lead, Dissolved	<0.00038		0.0010	0.00038	mg/L		04/02/24 11:05	04/03/24 15:51	1
Lithium, Dissolved	**0.0017**	**J**	0.0050	0.0013	mg/L		04/02/24 11:05	04/03/24 15:51	1
Molybdenum, Dissolved	<0.00061		0.015	0.00061	mg/L		04/02/24 11:05	04/03/24 15:51	1
Selenium, Dissolved	<0.00074		0.0050	0.00074	mg/L		04/02/24 11:05	04/03/24 15:51	1
Thallium, Dissolved	<0.00047		0.0010	0.00047	mg/L		04/02/24 11:05	04/03/24 15:51	1

Method: SW846 EPA 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.13		0.20	0.13	ug/L		04/01/24 08:22	04/04/24 11:41	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**230**		10	10	mg/L			04/02/24 17:45	1

Client Sample ID: SW-9

Date Collected: 03/27/24 11:23
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-25

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**120**		1.0	0.71	mg/L			04/03/24 04:57	1
Fluoride	**0.057**	**J**	0.20	0.026	mg/L			04/03/24 04:57	1
Sulfate	**20**		1.0	0.76	mg/L			04/03/24 04:57	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00097		0.0020	0.00097	mg/L		04/02/24 11:05	04/03/24 15:54	1
Arsenic	**0.00048**	**J**	0.0010	0.00028	mg/L		04/02/24 11:05	04/03/24 15:54	1
Barium	**0.033**		0.010	0.0031	mg/L		04/02/24 11:05	04/03/24 15:54	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/02/24 11:05	04/03/24 15:54	1
Boron	<0.060	^5-	0.080	0.060	mg/L		04/02/24 11:05	04/03/24 15:54	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/24 11:05	04/03/24 15:54	1
Calcium	**4.9**		0.50	0.13	mg/L		04/02/24 11:05	04/03/24 15:54	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/24 11:05	04/03/24 15:54	1
Cobalt	**0.00054**	**J**	0.0025	0.00026	mg/L		04/02/24 11:05	04/03/24 15:54	1
Lead	**0.00051**	**J**	0.0010	0.00038	mg/L		04/02/24 11:05	04/03/24 15:54	1
Lithium	**0.0022**	**J**	0.0050	0.0013	mg/L		04/02/24 11:05	04/03/24 15:54	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/02/24 11:05	04/03/24 15:54	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/02/24 11:05	04/03/24 15:54	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/02/24 11:05	04/03/24 15:54	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 08:22	04/04/24 11:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**270**		10	10	mg/L			04/02/24 17:45	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.6**				SU			03/27/24 11:23	1

Client Sample ID: SW-9

Date Collected: 03/27/24 11:35
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-26

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**110**		1.0	0.71	mg/L			04/03/24 05:15	1
Fluoride, Dissolved	**0.039**	**J**	0.10	0.026	mg/L			04/03/24 05:15	1
Sulfate, Dissolved	**20**		1.0	0.76	mg/L			04/03/24 05:15	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	<0.00097		0.0020	0.00097	mg/L		04/02/24 11:05	04/03/24 16:02	1
Arsenic, Dissolved	**0.00046**	**J**	0.0010	0.00028	mg/L		04/02/24 11:05	04/03/24 16:02	1
Barium, Dissolved	**0.030**		0.010	0.0031	mg/L		04/02/24 11:05	04/03/24 16:02	1
Beryllium, Dissolved	<0.00027		0.0025	0.00027	mg/L		04/02/24 11:05	04/03/24 16:02	1
Boron, Dissolved	<0.060	^5-	0.080	0.060	mg/L		04/02/24 11:05	04/03/24 16:02	1
Cadmium, Dissolved	<0.00022		0.0025	0.00022	mg/L		04/02/24 11:05	04/03/24 16:02	1
Calcium, Dissolved	**4.7**		0.50	0.13	mg/L		04/02/24 11:05	04/03/24 16:02	1
Chromium, Dissolved	<0.0015		0.0020	0.0015	mg/L		04/02/24 11:05	04/03/24 16:02	1
Cobalt, Dissolved	**0.00040**	**J**	0.0025	0.00026	mg/L		04/02/24 11:05	04/03/24 16:02	1
Lead, Dissolved	<0.00038		0.0010	0.00038	mg/L		04/02/24 11:05	04/03/24 16:02	1
Lithium, Dissolved	**0.0018**	**J**	0.0050	0.0013	mg/L		04/02/24 11:05	04/03/24 16:02	1
Molybdenum, Dissolved	<0.00061		0.015	0.00061	mg/L		04/02/24 11:05	04/03/24 16:02	1
Selenium, Dissolved	<0.00074		0.0050	0.00074	mg/L		04/02/24 11:05	04/03/24 16:02	1
Thallium, Dissolved	<0.00047		0.0010	0.00047	mg/L		04/02/24 11:05	04/03/24 16:02	1

Method: SW846 EPA 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.13		0.20	0.13	ug/L		04/01/24 08:22	04/04/24 11:43	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**250**		10	10	mg/L			04/02/24 17:59	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-10

Date Collected: 03/27/24 11:59
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-27

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**58**		1.0	0.71	mg/L			04/03/24 05:34	1
Fluoride	**0.051**	**J**	0.20	0.026	mg/L			04/03/24 05:34	1
Sulfate	**11**		1.0	0.76	mg/L			04/03/24 05:34	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00097		0.0020	0.00097	mg/L		04/02/24 11:05	04/03/24 16:05	1
Arsenic	**0.00046**	**J**	0.0010	0.00028	mg/L		04/02/24 11:05	04/03/24 16:05	1
Barium	**0.034**		0.010	0.0031	mg/L		04/02/24 11:05	04/03/24 16:05	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/02/24 11:05	04/03/24 16:05	1
Boron	<0.060	^5-	0.080	0.060	mg/L		04/02/24 11:05	04/03/24 16:05	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/24 11:05	04/03/24 16:05	1
Calcium	**3.1**		0.50	0.13	mg/L		04/02/24 11:05	04/03/24 16:05	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/24 11:05	04/03/24 16:05	1
Cobalt	**0.00057**	**J**	0.0025	0.00026	mg/L		04/02/24 11:05	04/03/24 16:05	1
Lead	**0.00047**	**J**	0.0010	0.00038	mg/L		04/02/24 11:05	04/03/24 16:05	1
Lithium	**0.0018**	**J**	0.0050	0.0013	mg/L		04/02/24 11:05	04/03/24 16:05	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/02/24 11:05	04/03/24 16:05	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/02/24 11:05	04/03/24 16:05	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/02/24 11:05	04/03/24 16:05	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 08:22	04/04/24 11:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**140**		10	10	mg/L			04/02/24 17:59	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.45**				SU			03/27/24 11:59	1

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-10

Date Collected: 03/27/24 12:10
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-28

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**65**	**F1**	1.0	0.71	mg/L			04/03/24 05:52	1
Fluoride, Dissolved	**0.038**	**J**	0.10	0.026	mg/L			04/03/24 05:52	1
Sulfate, Dissolved	**12**		1.0	0.76	mg/L			04/03/24 05:52	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	<0.00097		0.0020	0.00097	mg/L		04/02/24 11:05	04/03/24 16:08	1
Arsenic, Dissolved	**0.00038**	**J**	0.0010	0.00028	mg/L		04/02/24 11:05	04/03/24 16:08	1
Barium, Dissolved	**0.033**		0.010	0.0031	mg/L		04/02/24 11:05	04/03/24 16:08	1
Beryllium, Dissolved	<0.00027		0.0025	0.00027	mg/L		04/02/24 11:05	04/03/24 16:08	1
Boron, Dissolved	<0.060	^5-	0.080	0.060	mg/L		04/02/24 11:05	04/03/24 16:08	1
Cadmium, Dissolved	<0.00022		0.0025	0.00022	mg/L		04/02/24 11:05	04/03/24 16:08	1
Calcium, Dissolved	**3.0**		0.50	0.13	mg/L		04/02/24 11:05	04/03/24 16:08	1
Chromium, Dissolved	<0.0015		0.0020	0.0015	mg/L		04/02/24 11:05	04/03/24 16:08	1
Cobalt, Dissolved	**0.00043**	**J**	0.0025	0.00026	mg/L		04/02/24 11:05	04/03/24 16:08	1
Lead, Dissolved	**0.00039**	**J**	0.0010	0.00038	mg/L		04/02/24 11:05	04/03/24 16:08	1
Lithium, Dissolved	**0.0013**	**J**	0.0050	0.0013	mg/L		04/02/24 11:05	04/03/24 16:08	1
Molybdenum, Dissolved	<0.00061		0.015	0.00061	mg/L		04/02/24 11:05	04/03/24 16:08	1
Selenium, Dissolved	<0.00074		0.0050	0.00074	mg/L		04/02/24 11:05	04/03/24 16:08	1
Thallium, Dissolved	<0.00047		0.0010	0.00047	mg/L		04/02/24 11:05	04/03/24 16:08	1

Method: SW846 EPA 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.13		0.20	0.13	ug/L		04/01/24 08:22	04/04/24 11:45	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**140**		10	10	mg/L			04/02/24 17:59	1

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-11

Date Collected: 03/27/24 12:30
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-29

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**29**		1.0	0.71	mg/L			04/03/24 07:25	1
Fluoride	**0.048**	**J**	0.20	0.026	mg/L			04/03/24 07:25	1
Sulfate	**7.2**		1.0	0.76	mg/L			04/03/24 07:25	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00097		0.0020	0.00097	mg/L		04/02/24 11:05	04/03/24 16:10	1
Arsenic	**0.00054**	**J**	0.0010	0.00028	mg/L		04/02/24 11:05	04/03/24 16:10	1
Barium	**0.037**		0.010	0.0031	mg/L		04/02/24 11:05	04/03/24 16:10	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/02/24 11:05	04/03/24 16:10	1
Boron	<0.060	^5-	0.080	0.060	mg/L		04/02/24 11:05	04/03/24 16:10	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/24 11:05	04/03/24 16:10	1
Calcium	**2.5**		0.50	0.13	mg/L		04/02/24 11:05	04/03/24 16:10	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/24 11:05	04/03/24 16:10	1
Cobalt	**0.00058**	**J**	0.0025	0.00026	mg/L		04/02/24 11:05	04/03/24 16:10	1
Lead	**0.00072**	**J**	0.0010	0.00038	mg/L		04/02/24 11:05	04/03/24 16:10	1
Lithium	**0.0013**	**J**	0.0050	0.0013	mg/L		04/02/24 11:05	04/03/24 16:10	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/02/24 11:05	04/03/24 16:10	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/02/24 11:05	04/03/24 16:10	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/02/24 11:05	04/03/24 16:10	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 08:22	04/04/24 11:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**81**		10	10	mg/L			04/02/24 17:59	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.33**				SU			03/27/24 12:30	1

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-11

Date Collected: 03/27/24 12:45
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-30

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**33**		1.0	0.71	mg/L			04/03/24 07:43	1
Fluoride, Dissolved	**0.050**	**J**	0.10	0.026	mg/L			04/03/24 07:43	1
Sulfate, Dissolved	**7.7**		1.0	0.76	mg/L			04/03/24 07:43	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	<0.00097		0.0020	0.00097	mg/L		04/02/24 11:05	04/03/24 16:13	1
Arsenic, Dissolved	**0.00051**	**J**	0.0010	0.00028	mg/L		04/02/24 11:05	04/03/24 16:13	1
Barium, Dissolved	**0.033**		0.010	0.0031	mg/L		04/02/24 11:05	04/03/24 16:13	1
Beryllium, Dissolved	<0.00027		0.0025	0.00027	mg/L		04/02/24 11:05	04/03/24 16:13	1
Boron, Dissolved	<0.060	^5-	0.080	0.060	mg/L		04/02/24 11:05	04/03/24 16:13	1
Cadmium, Dissolved	<0.00022		0.0025	0.00022	mg/L		04/02/24 11:05	04/03/24 16:13	1
Calcium, Dissolved	**2.8**		0.50	0.13	mg/L		04/02/24 11:05	04/03/24 16:13	1
Chromium, Dissolved	<0.0015		0.0020	0.0015	mg/L		04/02/24 11:05	04/03/24 16:13	1
Cobalt, Dissolved	**0.00045**	**J**	0.0025	0.00026	mg/L		04/02/24 11:05	04/03/24 16:13	1
Lead, Dissolved	<0.00038		0.0010	0.00038	mg/L		04/02/24 11:05	04/03/24 16:13	1
Lithium, Dissolved	<0.0013		0.0050	0.0013	mg/L		04/02/24 11:05	04/03/24 16:13	1
Molybdenum, Dissolved	<0.00061		0.015	0.00061	mg/L		04/02/24 11:05	04/03/24 16:13	1
Selenium, Dissolved	<0.00074		0.0050	0.00074	mg/L		04/02/24 11:05	04/03/24 16:13	1
Thallium, Dissolved	<0.00047		0.0010	0.00047	mg/L		04/02/24 11:05	04/03/24 16:13	1

Method: SW846 EPA 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.13		0.20	0.13	ug/L		04/01/24 08:22	04/04/24 11:48	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**86**		10	10	mg/L			04/02/24 17:59	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-12

Date Collected: 03/27/24 13:08
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-31

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**32**		1.0	0.71	mg/L			04/04/24 09:02	1
Fluoride	**0.049**	**J**	0.20	0.026	mg/L			04/04/24 09:02	1
Sulfate	**7.6**		1.0	0.76	mg/L			04/04/24 09:02	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00097		0.0020	0.00097	mg/L		04/02/24 11:05	04/03/24 16:16	1
Arsenic	**0.00062**	**J**	0.0010	0.00028	mg/L		04/02/24 11:05	04/03/24 16:16	1
Barium	**0.037**		0.010	0.0031	mg/L		04/02/24 11:05	04/03/24 16:16	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/02/24 11:05	04/03/24 16:16	1
Boron	<0.060	^5-	0.080	0.060	mg/L		04/02/24 11:05	04/03/24 16:16	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/24 11:05	04/03/24 16:16	1
Calcium	**2.5**		0.50	0.13	mg/L		04/02/24 11:05	04/03/24 16:16	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/24 11:05	04/03/24 16:16	1
Cobalt	**0.00058**	**J**	0.0025	0.00026	mg/L		04/02/24 11:05	04/03/24 16:16	1
Lead	**0.00070**	**J**	0.0010	0.00038	mg/L		04/02/24 11:05	04/03/24 16:16	1
Lithium	**0.0014**	**J**	0.0050	0.0013	mg/L		04/02/24 11:05	04/03/24 16:16	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/02/24 11:05	04/03/24 16:16	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/02/24 11:05	04/03/24 16:16	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/02/24 11:05	04/03/24 16:16	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 08:22	04/04/24 11:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**92**		10	10	mg/L			04/02/24 17:59	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.29**				SU			03/27/24 13:08	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-12

Date Collected: 03/27/24 13:32
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-32

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**34**		1.0	0.71	mg/L			04/04/24 05:58	1
Fluoride, Dissolved	**0.054**	**J**	0.10	0.026	mg/L			04/04/24 05:58	1
Sulfate, Dissolved	**7.9**		1.0	0.76	mg/L			04/04/24 05:58	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	<0.00097		0.0020	0.00097	mg/L		04/02/24 11:05	04/03/24 16:19	1
Arsenic, Dissolved	**0.00053**	**J**	0.0010	0.00028	mg/L		04/02/24 11:05	04/03/24 16:19	1
Barium, Dissolved	**0.034**		0.010	0.0031	mg/L		04/02/24 11:05	04/03/24 16:19	1
Beryllium, Dissolved	<0.00027		0.0025	0.00027	mg/L		04/02/24 11:05	04/03/24 16:19	1
Boron, Dissolved	<0.060	^5-	0.080	0.060	mg/L		04/02/24 11:05	04/03/24 16:19	1
Cadmium, Dissolved	<0.00022		0.0025	0.00022	mg/L		04/02/24 11:05	04/03/24 16:19	1
Calcium, Dissolved	**2.6**		0.50	0.13	mg/L		04/02/24 11:05	04/03/24 16:19	1
Chromium, Dissolved	<0.0015		0.0020	0.0015	mg/L		04/02/24 11:05	04/03/24 16:19	1
Cobalt, Dissolved	**0.00055**	**J**	0.0025	0.00026	mg/L		04/02/24 11:05	04/03/24 16:19	1
Lead, Dissolved	<0.00038		0.0010	0.00038	mg/L		04/02/24 11:05	04/03/24 16:19	1
Lithium, Dissolved	<0.0013		0.0050	0.0013	mg/L		04/02/24 11:05	04/03/24 16:19	1
Molybdenum, Dissolved	<0.00061		0.015	0.00061	mg/L		04/02/24 11:05	04/03/24 16:19	1
Selenium, Dissolved	<0.00074		0.0050	0.00074	mg/L		04/02/24 11:05	04/03/24 16:19	1
Thallium, Dissolved	<0.00047		0.0010	0.00047	mg/L		04/02/24 11:05	04/03/24 16:19	1

Method: SW846 EPA 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.13		0.20	0.13	ug/L		04/01/24 08:22	04/04/24 11:50	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**93**		10	10	mg/L			04/02/24 17:59	1

Client Sample ID: SW-13

Date Collected: 03/27/24 12:38
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-33

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**240**		5.0	3.6	mg/L			04/04/24 07:11	5
Fluoride	**0.075**	**J**	0.20	0.026	mg/L			04/04/24 06:53	1
Sulfate	**39**		1.0	0.76	mg/L			04/04/24 06:53	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00097		0.0020	0.00097	mg/L		04/03/24 10:30	04/03/24 16:50	1
Arsenic	**0.00064**	**J**	0.0010	0.00028	mg/L		04/03/24 10:30	04/03/24 16:50	1
Barium	**0.028**		0.010	0.0031	mg/L		04/03/24 10:30	04/03/24 16:50	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/03/24 10:30	04/03/24 16:50	1
Boron	**0.091**	**^5-**	0.080	0.060	mg/L		04/03/24 10:30	04/03/24 16:50	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/03/24 10:30	04/03/24 16:50	1
Calcium	**6.6**		0.50	0.13	mg/L		04/03/24 10:30	04/03/24 16:50	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/03/24 10:30	04/03/24 16:50	1
Cobalt	**0.00055**	**J**	0.0025	0.00026	mg/L		04/03/24 10:30	04/03/24 16:50	1
Lead	**0.00069**	**J**	0.0010	0.00038	mg/L		04/03/24 10:30	04/03/24 16:50	1
Lithium	**0.0035**	**J**	0.0050	0.0013	mg/L		04/03/24 10:30	04/03/24 16:50	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/03/24 10:30	04/03/24 16:50	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/03/24 10:30	04/03/24 16:50	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/03/24 10:30	04/03/24 16:50	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 08:22	04/04/24 11:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**450**		10	10	mg/L			04/02/24 17:59	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.81**				SU			03/27/24 12:38	1

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-13

Date Collected: 03/27/24 12:50
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-34

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**220**		5.0	3.6	mg/L			04/05/24 03:12	5
Fluoride, Dissolved	**0.071**	**J**	0.10	0.026	mg/L			04/04/24 07:30	1
Sulfate, Dissolved	**34**		1.0	0.76	mg/L			04/04/24 07:30	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	<0.00097		0.0020	0.00097	mg/L		04/03/24 10:30	04/03/24 16:52	1
Arsenic, Dissolved	**0.00064**	**J**	0.0010	0.00028	mg/L		04/03/24 10:30	04/03/24 16:52	1
Barium, Dissolved	**0.025**		0.010	0.0031	mg/L		04/03/24 10:30	04/03/24 16:52	1
Beryllium, Dissolved	<0.00027		0.0025	0.00027	mg/L		04/03/24 10:30	04/03/24 16:52	1
Boron, Dissolved	**0.082**	**^5-**	0.080	0.060	mg/L		04/03/24 10:30	04/03/24 16:52	1
Cadmium, Dissolved	<0.00022		0.0025	0.00022	mg/L		04/03/24 10:30	04/03/24 16:52	1
Calcium, Dissolved	**6.0**		0.50	0.13	mg/L		04/03/24 10:30	04/03/24 16:52	1
Chromium, Dissolved	<0.0015		0.0020	0.0015	mg/L		04/03/24 10:30	04/03/24 16:52	1
Cobalt, Dissolved	**0.00038**	**J**	0.0025	0.00026	mg/L		04/03/24 10:30	04/03/24 16:52	1
Lead, Dissolved	<0.00038		0.0010	0.00038	mg/L		04/03/24 10:30	04/03/24 16:52	1
Lithium, Dissolved	**0.0027**	**J**	0.0050	0.0013	mg/L		04/03/24 10:30	04/03/24 16:52	1
Molybdenum, Dissolved	<0.00061		0.015	0.00061	mg/L		04/03/24 10:30	04/03/24 16:52	1
Selenium, Dissolved	<0.00074		0.0050	0.00074	mg/L		04/03/24 10:30	04/03/24 16:52	1
Thallium, Dissolved	<0.00047		0.0010	0.00047	mg/L		04/03/24 10:30	04/03/24 16:52	1

Method: SW846 EPA 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.13		0.20	0.13	ug/L		04/01/24 08:22	04/04/24 11:55	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**390**		10	10	mg/L			04/02/24 17:59	1

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-14

Date Collected: 03/27/24 13:38
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-35

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**76**		1.0	0.71	mg/L			04/04/24 07:48	1
Fluoride	**0.058**	**J**	0.20	0.026	mg/L			04/04/24 07:48	1
Sulfate	**14**		1.0	0.76	mg/L			04/04/24 07:48	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00097		0.0020	0.00097	mg/L		04/03/24 10:30	04/03/24 17:01	1
Arsenic	**0.00052**	**J**	0.0010	0.00028	mg/L		04/03/24 10:30	04/03/24 17:01	1
Barium	**0.030**		0.010	0.0031	mg/L		04/03/24 10:30	04/03/24 17:01	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/03/24 10:30	04/03/24 17:01	1
Boron	<0.060	^5-	0.080	0.060	mg/L		04/03/24 10:30	04/03/24 17:01	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/03/24 10:30	04/03/24 17:01	1
Calcium	**2.9**		0.50	0.13	mg/L		04/03/24 10:30	04/03/24 17:01	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/03/24 10:30	04/03/24 17:01	1
Cobalt	**0.00052**	**J**	0.0025	0.00026	mg/L		04/03/24 10:30	04/03/24 17:01	1
Lead	**0.00059**	**J**	0.0010	0.00038	mg/L		04/03/24 10:30	04/03/24 17:01	1
Lithium	**0.0018**	**J**	0.0050	0.0013	mg/L		04/03/24 10:30	04/03/24 17:01	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/03/24 10:30	04/03/24 17:01	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/03/24 10:30	04/03/24 17:01	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/03/24 10:30	04/03/24 17:01	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 08:22	04/04/24 11:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**180**		10	10	mg/L			04/02/24 17:59	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.48**				SU			03/27/24 13:38	1

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-14

Date Collected: 03/27/24 13:52
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-36

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**63**		1.0	0.71	mg/L			04/04/24 08:07	1
Fluoride, Dissolved	**0.066**	**J**	0.10	0.026	mg/L			04/04/24 08:07	1
Sulfate, Dissolved	**12**		1.0	0.76	mg/L			04/04/24 08:07	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	<0.00097		0.0020	0.00097	mg/L		04/03/24 10:30	04/03/24 17:04	1
Arsenic, Dissolved	**0.00036**	**J**	0.0010	0.00028	mg/L		04/03/24 10:30	04/03/24 17:04	1
Barium, Dissolved	**0.027**		0.010	0.0031	mg/L		04/03/24 10:30	04/03/24 17:04	1
Beryllium, Dissolved	<0.00027		0.0025	0.00027	mg/L		04/03/24 10:30	04/03/24 17:04	1
Boron, Dissolved	<0.060	^5-	0.080	0.060	mg/L		04/03/24 10:30	04/03/24 17:04	1
Cadmium, Dissolved	<0.00022		0.0025	0.00022	mg/L		04/03/24 10:30	04/03/24 17:04	1
Calcium, Dissolved	**2.8**		0.50	0.13	mg/L		04/03/24 10:30	04/03/24 17:04	1
Chromium, Dissolved	<0.0015		0.0020	0.0015	mg/L		04/03/24 10:30	04/03/24 17:04	1
Cobalt, Dissolved	**0.00037**	**J**	0.0025	0.00026	mg/L		04/03/24 10:30	04/03/24 17:04	1
Lead, Dissolved	<0.00038		0.0010	0.00038	mg/L		04/03/24 10:30	04/03/24 17:04	1
Lithium, Dissolved	**0.0016**	**J**	0.0050	0.0013	mg/L		04/03/24 10:30	04/03/24 17:04	1
Molybdenum, Dissolved	<0.00061		0.015	0.00061	mg/L		04/03/24 10:30	04/03/24 17:04	1
Selenium, Dissolved	<0.00074		0.0050	0.00074	mg/L		04/03/24 10:30	04/03/24 17:04	1
Thallium, Dissolved	<0.00047		0.0010	0.00047	mg/L		04/03/24 10:30	04/03/24 17:04	1

Method: SW846 EPA 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.13		0.20	0.13	ug/L		04/01/24 08:22	04/04/24 11:57	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**150**		10	10	mg/L			04/02/24 17:59	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-15

Date Collected: 03/27/24 14:24
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-37

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**51**		1.0	0.71	mg/L			04/04/24 08:25	1
Fluoride	**0.054**	**J**	0.20	0.026	mg/L			04/04/24 08:25	1
Sulfate	**10**		1.0	0.76	mg/L			04/04/24 08:25	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00097		0.0020	0.00097	mg/L		04/03/24 10:30	04/03/24 17:06	1
Arsenic	**0.00047**	**J**	0.0010	0.00028	mg/L		04/03/24 10:30	04/03/24 17:06	1
Barium	**0.031**		0.010	0.0031	mg/L		04/03/24 10:30	04/03/24 17:06	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/03/24 10:30	04/03/24 17:06	1
Boron	<0.060	^5-	0.080	0.060	mg/L		04/03/24 10:30	04/03/24 17:06	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/03/24 10:30	04/03/24 17:06	1
Calcium	**2.7**		0.50	0.13	mg/L		04/03/24 10:30	04/03/24 17:06	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/03/24 10:30	04/03/24 17:06	1
Cobalt	**0.00049**	**J**	0.0025	0.00026	mg/L		04/03/24 10:30	04/03/24 17:06	1
Lead	**0.00056**	**J**	0.0010	0.00038	mg/L		04/03/24 10:30	04/03/24 17:06	1
Lithium	**0.0014**	**J**	0.0050	0.0013	mg/L		04/03/24 10:30	04/03/24 17:06	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/03/24 10:30	04/03/24 17:06	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/03/24 10:30	04/03/24 17:06	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/03/24 10:30	04/03/24 17:06	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 08:22	04/04/24 11:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**130**		10	10	mg/L			04/02/24 17:59	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.61**				SU			03/27/24 14:24	1

Client Sample ID: SW-15

Date Collected: 03/27/24 14:40
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-38

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**51**		1.0	0.71	mg/L			04/04/24 08:44	1
Fluoride, Dissolved	**0.054**	**J**	0.10	0.026	mg/L			04/04/24 08:44	1
Sulfate, Dissolved	**10**		1.0	0.76	mg/L			04/04/24 08:44	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	<0.00097		0.0020	0.00097	mg/L		04/03/24 10:30	04/03/24 17:09	1
Arsenic, Dissolved	**0.00030**	**J**	0.0010	0.00028	mg/L		04/03/24 10:30	04/03/24 17:09	1
Barium, Dissolved	**0.029**		0.010	0.0031	mg/L		04/03/24 10:30	04/03/24 17:09	1
Beryllium, Dissolved	<0.00027		0.0025	0.00027	mg/L		04/03/24 10:30	04/03/24 17:09	1
Boron, Dissolved	<0.060	^5-	0.080	0.060	mg/L		04/03/24 10:30	04/03/24 17:09	1
Cadmium, Dissolved	<0.00022		0.0025	0.00022	mg/L		04/03/24 10:30	04/03/24 17:09	1
Calcium, Dissolved	**2.6**		0.50	0.13	mg/L		04/03/24 10:30	04/03/24 17:09	1
Chromium, Dissolved	<0.0015		0.0020	0.0015	mg/L		04/03/24 10:30	04/03/24 17:09	1
Cobalt, Dissolved	**0.00038**	**J**	0.0025	0.00026	mg/L		04/03/24 10:30	04/03/24 17:09	1
Lead, Dissolved	<0.00038		0.0010	0.00038	mg/L		04/03/24 10:30	04/03/24 17:09	1
Lithium, Dissolved	**0.0013**	**J**	0.0050	0.0013	mg/L		04/03/24 10:30	04/03/24 17:09	1
Molybdenum, Dissolved	<0.00061		0.015	0.00061	mg/L		04/03/24 10:30	04/03/24 17:09	1
Selenium, Dissolved	<0.00074		0.0050	0.00074	mg/L		04/03/24 10:30	04/03/24 17:09	1
Thallium, Dissolved	<0.00047		0.0010	0.00047	mg/L		04/03/24 10:30	04/03/24 17:09	1

Method: SW846 EPA 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.13		0.20	0.13	ug/L		04/01/24 08:22	04/04/24 11:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**130**		10	10	mg/L			04/02/24 17:59	1

Client Sample ID: SW-16

Date Collected: 03/27/24 15:11
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-39

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**71**		1.0	0.71	mg/L			04/04/24 10:35	1
Fluoride	**0.059**	**J**	0.20	0.026	mg/L			04/04/24 10:35	1
Sulfate	**14**		1.0	0.76	mg/L			04/04/24 10:35	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00097		0.0020	0.00097	mg/L		04/03/24 10:30	04/03/24 17:12	1
Arsenic	**0.00057**	**J**	0.0010	0.00028	mg/L		04/03/24 10:30	04/03/24 17:12	1
Barium	**0.028**		0.010	0.0031	mg/L		04/03/24 10:30	04/03/24 17:12	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/03/24 10:30	04/03/24 17:12	1
Boron	<0.060	^5-	0.080	0.060	mg/L		04/03/24 10:30	04/03/24 17:12	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/03/24 10:30	04/03/24 17:12	1
Calcium	**3.0**		0.50	0.13	mg/L		04/03/24 10:30	04/03/24 17:12	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/03/24 10:30	04/03/24 17:12	1
Cobalt	**0.00053**	**J**	0.0025	0.00026	mg/L		04/03/24 10:30	04/03/24 17:12	1
Lead	**0.00064**	**J**	0.0010	0.00038	mg/L		04/03/24 10:30	04/03/24 17:12	1
Lithium	**0.0017**	**J**	0.0050	0.0013	mg/L		04/03/24 10:30	04/03/24 17:12	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/03/24 10:30	04/03/24 17:12	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/03/24 10:30	04/03/24 17:12	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/03/24 10:30	04/03/24 17:12	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 08:22	04/04/24 12:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**170**		10	10	mg/L			04/02/24 17:59	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.63**				SU			03/27/24 15:11	1

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-16

Date Collected: 03/27/24 15:28
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-40

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**71**		1.0	0.71	mg/L			04/04/24 10:53	1
Fluoride, Dissolved	**0.060**	**J**	0.10	0.026	mg/L			04/04/24 10:53	1
Sulfate, Dissolved	**14**		1.0	0.76	mg/L			04/04/24 10:53	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	<0.00097		0.0020	0.00097	mg/L		04/03/24 10:30	04/03/24 17:15	1
Arsenic, Dissolved	**0.00048**	**J**	0.0010	0.00028	mg/L		04/03/24 10:30	04/03/24 17:15	1
Barium, Dissolved	**0.025**		0.010	0.0031	mg/L		04/03/24 10:30	04/03/24 17:15	1
Beryllium, Dissolved	<0.00027		0.0025	0.00027	mg/L		04/03/24 10:30	04/03/24 17:15	1
Boron, Dissolved	<0.060	^5-	0.080	0.060	mg/L		04/03/24 10:30	04/03/24 17:15	1
Cadmium, Dissolved	<0.00022		0.0025	0.00022	mg/L		04/03/24 10:30	04/03/24 17:15	1
Calcium, Dissolved	**3.0**		0.50	0.13	mg/L		04/03/24 10:30	04/03/24 17:15	1
Chromium, Dissolved	<0.0015		0.0020	0.0015	mg/L		04/03/24 10:30	04/03/24 17:15	1
Cobalt, Dissolved	**0.00037**	**J**	0.0025	0.00026	mg/L		04/03/24 10:30	04/03/24 17:15	1
Lead, Dissolved	<0.00038		0.0010	0.00038	mg/L		04/03/24 10:30	04/03/24 17:15	1
Lithium, Dissolved	**0.0013**	**J**	0.0050	0.0013	mg/L		04/03/24 10:30	04/03/24 17:15	1
Molybdenum, Dissolved	<0.00061		0.015	0.00061	mg/L		04/03/24 10:30	04/03/24 17:15	1
Selenium, Dissolved	<0.00074		0.0050	0.00074	mg/L		04/03/24 10:30	04/03/24 17:15	1
Thallium, Dissolved	<0.00047		0.0010	0.00047	mg/L		04/03/24 10:30	04/03/24 17:15	1

Method: SW846 EPA 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.13		0.20	0.13	ug/L		04/01/24 08:22	04/04/24 12:01	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**160**		10	10	mg/L			04/02/24 17:59	1

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-17

Date Collected: 03/27/24 11:45
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-41

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**680**		10	7.1	mg/L			04/04/24 15:48	10
Fluoride	**0.10**	**J**	0.20	0.026	mg/L			04/04/24 15:30	1
Sulfate	**100**		1.0	0.76	mg/L			04/04/24 15:30	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00097		0.0020	0.00097	mg/L		04/03/24 10:30	04/03/24 17:18	1
Arsenic	**0.00098**	**J**	0.0010	0.00028	mg/L		04/03/24 10:30	04/03/24 17:18	1
Barium	**0.029**		0.010	0.0031	mg/L		04/03/24 10:30	04/03/24 17:18	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/03/24 10:30	04/03/24 17:18	1
Boron	**0.20**	**^5-**	0.080	0.060	mg/L		04/03/24 10:30	04/03/24 17:18	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/03/24 10:30	04/03/24 17:18	1
Calcium	**18**		0.50	0.13	mg/L		04/03/24 10:30	04/03/24 17:18	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/03/24 10:30	04/03/24 17:18	1
Cobalt	**0.00064**	**J**	0.0025	0.00026	mg/L		04/03/24 10:30	04/03/24 17:18	1
Lead	**0.00063**	**J**	0.0010	0.00038	mg/L		04/03/24 10:30	04/03/24 17:18	1
Lithium	**0.0075**		0.0050	0.0013	mg/L		04/03/24 10:30	04/03/24 17:18	1
Molybdenum	**0.00061**	**J**	0.015	0.00061	mg/L		04/03/24 10:30	04/03/24 17:18	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/03/24 10:30	04/03/24 17:18	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/03/24 10:30	04/03/24 17:18	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 09:19	04/04/24 12:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1200**		10	10	mg/L			04/02/24 17:59	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.59**				SU			03/27/24 11:45	1

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: SW-17

Date Collected: 03/27/24 12:01
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-42

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**680**		10	7.1	mg/L			04/04/24 16:25	10
Fluoride, Dissolved	**0.10**		0.10	0.026	mg/L			04/04/24 16:07	1
Sulfate, Dissolved	**100**		1.0	0.76	mg/L			04/04/24 16:07	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	<0.00097		0.0020	0.00097	mg/L		04/03/24 10:30	04/03/24 17:20	1
Arsenic, Dissolved	**0.00072**	**J**	0.0010	0.00028	mg/L		04/03/24 10:30	04/03/24 17:20	1
Barium, Dissolved	**0.028**		0.010	0.0031	mg/L		04/03/24 10:30	04/03/24 17:20	1
Beryllium, Dissolved	<0.00027		0.0025	0.00027	mg/L		04/03/24 10:30	04/03/24 17:20	1
Boron, Dissolved	**0.21**	**^5-**	0.080	0.060	mg/L		04/03/24 10:30	04/03/24 17:20	1
Cadmium, Dissolved	<0.00022		0.0025	0.00022	mg/L		04/03/24 10:30	04/03/24 17:20	1
Calcium, Dissolved	**17**		0.50	0.13	mg/L		04/03/24 10:30	04/03/24 17:20	1
Chromium, Dissolved	<0.0015		0.0020	0.0015	mg/L		04/03/24 10:30	04/03/24 17:20	1
Cobalt, Dissolved	**0.00042**	**J**	0.0025	0.00026	mg/L		04/03/24 10:30	04/03/24 17:20	1
Lead, Dissolved	<0.00038		0.0010	0.00038	mg/L		04/03/24 10:30	04/03/24 17:20	1
Lithium, Dissolved	**0.0073**		0.0050	0.0013	mg/L		04/03/24 10:30	04/03/24 17:20	1
Molybdenum, Dissolved	**0.00063**	**J**	0.015	0.00061	mg/L		04/03/24 10:30	04/03/24 17:20	1
Selenium, Dissolved	<0.00074		0.0050	0.00074	mg/L		04/03/24 10:30	04/03/24 17:20	1
Thallium, Dissolved	<0.00047		0.0010	0.00047	mg/L		04/03/24 10:30	04/03/24 17:20	1

Method: SW846 EPA 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.13		0.20	0.13	ug/L		04/01/24 09:19	04/04/24 12:39	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**1200**		10	10	mg/L			04/02/24 17:59	1

Client Sample ID: DUP-01

Date Collected: 03/27/24 12:08
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-43

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**32**		1.0	0.71	mg/L			04/04/24 14:35	1
Fluoride	**0.049**	**J**	0.20	0.026	mg/L			04/04/24 14:35	1
Sulfate	**7.5**		1.0	0.76	mg/L			04/04/24 14:35	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00097		0.0020	0.00097	mg/L		04/03/24 10:30	04/03/24 17:23	1
Arsenic	**0.00051**	**J**	0.0010	0.00028	mg/L		04/03/24 10:30	04/03/24 17:23	1
Barium	**0.036**		0.010	0.0031	mg/L		04/03/24 10:30	04/03/24 17:23	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/03/24 10:30	04/03/24 17:23	1
Boron	<0.060	^5-	0.080	0.060	mg/L		04/03/24 10:30	04/03/24 17:23	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/03/24 10:30	04/03/24 17:23	1
Calcium	**2.5**		0.50	0.13	mg/L		04/03/24 10:30	04/03/24 17:23	1
Chromium	**0.0016**	**J**	0.0020	0.0015	mg/L		04/03/24 10:30	04/03/24 17:23	1
Cobalt	**0.00060**	**J**	0.0025	0.00026	mg/L		04/03/24 10:30	04/03/24 17:23	1
Lead	**0.00061**	**J**	0.0010	0.00038	mg/L		04/03/24 10:30	04/03/24 17:23	1
Lithium	**0.0016**	**J**	0.0050	0.0013	mg/L		04/03/24 10:30	04/03/24 17:23	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/03/24 10:30	04/03/24 17:23	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/03/24 10:30	04/03/24 17:23	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/03/24 10:30	04/03/24 17:23	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 09:19	04/04/24 12:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**96**		10	10	mg/L			04/02/24 17:59	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.29**				SU			03/27/24 12:08	1

Client Sample ID: DUP-01

Date Collected: 03/27/24 12:32
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-44

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**33**		1.0	0.71	mg/L			04/04/24 17:58	1
Fluoride, Dissolved	**0.053**	**J**	0.10	0.026	mg/L			04/04/24 17:58	1
Sulfate, Dissolved	**7.8**		1.0	0.76	mg/L			04/04/24 17:58	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	<0.00097		0.0020	0.00097	mg/L		04/03/24 10:30	04/03/24 17:26	1
Arsenic, Dissolved	**0.00031**	**J**	0.0010	0.00028	mg/L		04/03/24 10:30	04/03/24 17:26	1
Barium, Dissolved	**0.035**		0.010	0.0031	mg/L		04/03/24 10:30	04/03/24 17:26	1
Beryllium, Dissolved	<0.00027		0.0025	0.00027	mg/L		04/03/24 10:30	04/03/24 17:26	1
Boron, Dissolved	<0.060	^5-	0.080	0.060	mg/L		04/03/24 10:30	04/03/24 17:26	1
Cadmium, Dissolved	<0.00022		0.0025	0.00022	mg/L		04/03/24 10:30	04/03/24 17:26	1
Calcium, Dissolved	**2.4**		0.50	0.13	mg/L		04/03/24 10:30	04/03/24 17:26	1
Chromium, Dissolved	<0.0015		0.0020	0.0015	mg/L		04/03/24 10:30	04/03/24 17:26	1
Cobalt, Dissolved	**0.00046**	**J**	0.0025	0.00026	mg/L		04/03/24 10:30	04/03/24 17:26	1
Lead, Dissolved	<0.00038		0.0010	0.00038	mg/L		04/03/24 10:30	04/03/24 17:26	1
Lithium, Dissolved	**0.0014**	**J**	0.0050	0.0013	mg/L		04/03/24 10:30	04/03/24 17:26	1
Molybdenum, Dissolved	<0.00061		0.015	0.00061	mg/L		04/03/24 10:30	04/03/24 17:26	1
Selenium, Dissolved	<0.00074		0.0050	0.00074	mg/L		04/03/24 10:30	04/03/24 17:26	1
Thallium, Dissolved	<0.00047		0.0010	0.00047	mg/L		04/03/24 10:30	04/03/24 17:26	1

Method: SW846 EPA 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.13		0.20	0.13	ug/L		04/01/24 09:19	04/04/24 12:41	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**89**		10	10	mg/L			04/02/24 17:59	1

Client Sample ID: DUP-02

Date Collected: 03/27/24 07:38
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-45

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**190**		1.0	0.71	mg/L			04/04/24 18:16	1
Fluoride	**0.067**	**J**	0.20	0.026	mg/L			04/04/24 18:16	1
Sulfate	**31**		1.0	0.76	mg/L			04/04/24 18:16	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00097		0.0020	0.00097	mg/L		04/03/24 10:30	04/03/24 17:34	1
Arsenic	**0.00065**	**J**	0.0010	0.00028	mg/L		04/03/24 10:30	04/03/24 17:34	1
Barium	**0.027**		0.010	0.0031	mg/L		04/03/24 10:30	04/03/24 17:34	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/03/24 10:30	04/03/24 17:34	1
Boron	**0.073**	**J ^5-**	0.080	0.060	mg/L		04/03/24 10:30	04/03/24 17:34	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/03/24 10:30	04/03/24 17:34	1
Calcium	**5.7**		0.50	0.13	mg/L		04/03/24 10:30	04/03/24 17:34	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/03/24 10:30	04/03/24 17:34	1
Cobalt	**0.00048**	**J**	0.0025	0.00026	mg/L		04/03/24 10:30	04/03/24 17:34	1
Lead	**0.00053**	**J**	0.0010	0.00038	mg/L		04/03/24 10:30	04/03/24 17:34	1
Lithium	**0.0028**	**J**	0.0050	0.0013	mg/L		04/03/24 10:30	04/03/24 17:34	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/03/24 10:30	04/03/24 17:34	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/03/24 10:30	04/03/24 17:34	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/03/24 10:30	04/03/24 17:34	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 09:19	04/04/24 12:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**390**		10	10	mg/L			04/02/24 17:59	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.32**				SU			03/27/24 07:38	1

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: DUP-02

Date Collected: 03/27/24 07:58
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-46

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**170**		1.0	0.71	mg/L			04/04/24 18:53	1
Fluoride, Dissolved	**0.064**	**J**	0.10	0.026	mg/L			04/04/24 18:53	1
Sulfate, Dissolved	**29**		1.0	0.76	mg/L			04/04/24 18:53	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	<0.00097		0.0020	0.00097	mg/L		04/03/24 10:30	04/03/24 17:37	1
Arsenic, Dissolved	**0.00052**	**J**	0.0010	0.00028	mg/L		04/03/24 10:30	04/03/24 17:37	1
Barium, Dissolved	**0.026**		0.010	0.0031	mg/L		04/03/24 10:30	04/03/24 17:37	1
Beryllium, Dissolved	<0.00027		0.0025	0.00027	mg/L		04/03/24 10:30	04/03/24 17:37	1
Boron, Dissolved	**0.076**	**J ^5-**	0.080	0.060	mg/L		04/03/24 10:30	04/03/24 17:37	1
Cadmium, Dissolved	<0.00022		0.0025	0.00022	mg/L		04/03/24 10:30	04/03/24 17:37	1
Calcium, Dissolved	**5.9**		0.50	0.13	mg/L		04/03/24 10:30	04/03/24 17:37	1
Chromium, Dissolved	<0.0015		0.0020	0.0015	mg/L		04/03/24 10:30	04/03/24 17:37	1
Cobalt, Dissolved	**0.00041**	**J**	0.0025	0.00026	mg/L		04/03/24 10:30	04/03/24 17:37	1
Lead, Dissolved	<0.00038		0.0010	0.00038	mg/L		04/03/24 10:30	04/03/24 17:37	1
Lithium, Dissolved	**0.0028**	**J**	0.0050	0.0013	mg/L		04/03/24 10:30	04/03/24 17:37	1
Molybdenum, Dissolved	<0.00061		0.015	0.00061	mg/L		04/03/24 10:30	04/03/24 17:37	1
Selenium, Dissolved	<0.00074		0.0050	0.00074	mg/L		04/03/24 10:30	04/03/24 17:37	1
Thallium, Dissolved	<0.00047		0.0010	0.00047	mg/L		04/03/24 10:30	04/03/24 17:37	1

Method: SW846 EPA 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.13		0.20	0.13	ug/L		04/01/24 09:19	04/04/24 12:43	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**360**		10	10	mg/L			04/03/24 13:25	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: DUP-03

Date Collected: 03/27/24 17:35
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-47

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**120**		1.0	0.71	mg/L			04/05/24 20:34	1
Fluoride	**0.073**	**J**	0.20	0.026	mg/L			04/05/24 20:34	1
Sulfate	**21**		1.0	0.76	mg/L			04/05/24 20:34	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00097		0.0020	0.00097	mg/L		04/03/24 10:30	04/03/24 17:40	1
Arsenic	**0.00060**	**J**	0.0010	0.00028	mg/L		04/03/24 10:30	04/03/24 17:40	1
Barium	**0.031**		0.010	0.0031	mg/L		04/03/24 10:30	04/03/24 17:40	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/03/24 10:30	04/03/24 17:40	1
Boron	**0.060**	**J ^5-**	0.080	0.060	mg/L		04/03/24 10:30	04/03/24 17:40	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/03/24 10:30	04/03/24 17:40	1
Calcium	**5.3**		0.50	0.13	mg/L		04/03/24 10:30	04/03/24 17:40	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/03/24 10:30	04/03/24 17:40	1
Cobalt	**0.00052**	**J**	0.0025	0.00026	mg/L		04/03/24 10:30	04/03/24 17:40	1
Lead	**0.00047**	**J**	0.0010	0.00038	mg/L		04/03/24 10:30	04/03/24 17:40	1
Lithium	**0.0026**	**J**	0.0050	0.0013	mg/L		04/03/24 10:30	04/03/24 17:40	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/03/24 10:30	04/03/24 17:40	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/03/24 10:30	04/03/24 17:40	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/03/24 10:30	04/03/24 17:40	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 09:19	04/04/24 12:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**280**		10	10	mg/L			04/03/24 13:25	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.79**				SU			03/27/24 17:35	1

Client Sample ID: DUP-03

Date Collected: 03/27/24 17:58
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-48

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride, Dissolved	**130**	**F1**	1.0	0.71	mg/L			04/04/24 20:26	1
Fluoride, Dissolved	**0.062**	**J**	0.10	0.026	mg/L			04/04/24 20:26	1
Sulfate, Dissolved	**21**		1.0	0.76	mg/L			04/04/24 20:26	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	<0.00097		0.0020	0.00097	mg/L		04/03/24 10:30	04/03/24 17:43	1
Arsenic, Dissolved	**0.00054**	**J**	0.0010	0.00028	mg/L		04/03/24 10:30	04/03/24 17:43	1
Barium, Dissolved	**0.030**		0.010	0.0031	mg/L		04/03/24 10:30	04/03/24 17:43	1
Beryllium, Dissolved	<0.00027		0.0025	0.00027	mg/L		04/03/24 10:30	04/03/24 17:43	1
Boron, Dissolved	**0.063**	**J ^5-**	0.080	0.060	mg/L		04/03/24 10:30	04/03/24 17:43	1
Cadmium, Dissolved	<0.00022		0.0025	0.00022	mg/L		04/03/24 10:30	04/03/24 17:43	1
Calcium, Dissolved	**5.6**		0.50	0.13	mg/L		04/03/24 10:30	04/03/24 17:43	1
Chromium, Dissolved	<0.0015		0.0020	0.0015	mg/L		04/03/24 10:30	04/03/24 17:43	1
Cobalt, Dissolved	**0.00038**	**J**	0.0025	0.00026	mg/L		04/03/24 10:30	04/03/24 17:43	1
Lead, Dissolved	<0.00038		0.0010	0.00038	mg/L		04/03/24 10:30	04/03/24 17:43	1
Lithium, Dissolved	**0.0025**	**J**	0.0050	0.0013	mg/L		04/03/24 10:30	04/03/24 17:43	1
Molybdenum, Dissolved	<0.00061		0.015	0.00061	mg/L		04/03/24 10:30	04/03/24 17:43	1
Selenium, Dissolved	<0.00074		0.0050	0.00074	mg/L		04/03/24 10:30	04/03/24 17:43	1
Thallium, Dissolved	<0.00047		0.0010	0.00047	mg/L		04/03/24 10:30	04/03/24 17:43	1

Method: SW846 EPA 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.13		0.20	0.13	ug/L		04/01/24 09:19	04/04/24 12:44	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered (SM 2540C)	**260**		10	10	mg/L			04/03/24 13:25	1

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: EB-01

Date Collected: 03/27/24 07:36
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-49

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/04/24 19:30	1
Fluoride	<0.026		0.20	0.026	mg/L			04/04/24 19:30	1
Sulfate	<0.76		1.0	0.76	mg/L			04/04/24 19:30	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00097		0.0020	0.00097	mg/L		04/03/24 10:30	04/03/24 17:46	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		04/03/24 10:30	04/03/24 17:46	1
Barium	<0.0031		0.010	0.0031	mg/L		04/03/24 10:30	04/03/24 17:46	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/03/24 10:30	04/03/24 17:46	1
Boron	<0.060	^5-	0.080	0.060	mg/L		04/03/24 10:30	04/03/24 17:46	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/03/24 10:30	04/03/24 17:46	1
Calcium	<0.13		0.50	0.13	mg/L		04/03/24 10:30	04/03/24 17:46	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/03/24 10:30	04/03/24 17:46	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		04/03/24 10:30	04/03/24 17:46	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/03/24 10:30	04/03/24 17:46	1
Lithium	<0.0013		0.0050	0.0013	mg/L		04/03/24 10:30	04/03/24 17:46	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/03/24 10:30	04/03/24 17:46	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/03/24 10:30	04/03/24 17:46	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/03/24 10:30	04/03/24 17:46	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 09:19	04/04/24 12:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10		10	10	mg/L			04/03/24 13:25	1

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: FB-01

Date Collected: 03/27/24 07:27
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-50

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/04/24 19:49	1
Fluoride	<0.026		0.20	0.026	mg/L			04/04/24 19:49	1
Sulfate	<0.76		1.0	0.76	mg/L			04/04/24 19:49	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00097		0.0020	0.00097	mg/L		04/03/24 10:30	04/03/24 17:57	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		04/03/24 10:30	04/03/24 17:57	1
Barium	<0.0031		0.010	0.0031	mg/L		04/03/24 10:30	04/03/24 17:57	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/03/24 10:30	04/03/24 17:57	1
Boron	<0.060	^5-	0.080	0.060	mg/L		04/03/24 10:30	04/03/24 17:57	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/03/24 10:30	04/03/24 17:57	1
Calcium	<0.13		0.50	0.13	mg/L		04/03/24 10:30	04/03/24 17:57	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/03/24 10:30	04/03/24 17:57	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		04/03/24 10:30	04/03/24 17:57	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/03/24 10:30	04/03/24 17:57	1
Lithium	<0.0013		0.0050	0.0013	mg/L		04/03/24 10:30	04/03/24 17:57	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/03/24 10:30	04/03/24 17:57	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/03/24 10:30	04/03/24 17:57	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/03/24 10:30	04/03/24 17:57	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 09:19	04/04/24 12:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10		10	10	mg/L			04/03/24 13:25	1

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: EB-02

Date Collected: 03/27/24 17:00
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-51

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/04/24 20:07	1
Fluoride	<0.026		0.20	0.026	mg/L			04/04/24 20:07	1
Sulfate	<0.76		1.0	0.76	mg/L			04/04/24 20:07	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00097		0.0020	0.00097	mg/L		04/03/24 10:30	04/04/24 16:35	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		04/03/24 10:30	04/04/24 16:35	1
Barium	<0.0031		0.010	0.0031	mg/L		04/03/24 10:30	04/04/24 16:35	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/03/24 10:30	04/04/24 16:35	1
Boron	<0.060		0.080	0.060	mg/L		04/03/24 10:30	04/04/24 16:35	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/03/24 10:30	04/04/24 16:35	1
Calcium	<0.13		0.50	0.13	mg/L		04/03/24 10:30	04/04/24 16:35	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/03/24 10:30	04/04/24 16:35	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		04/03/24 10:30	04/04/24 16:35	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/03/24 10:30	04/04/24 16:35	1
Lithium	<0.0013		0.0050	0.0013	mg/L		04/03/24 10:30	04/04/24 16:35	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/03/24 10:30	04/04/24 16:35	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/03/24 10:30	04/04/24 16:35	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/03/24 10:30	04/04/24 16:35	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 09:19	04/04/24 12:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10		10	10	mg/L			04/03/24 13:25	1

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: FB-02

Date Collected: 03/27/24 16:50
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-52

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/04/24 22:35	1
Fluoride	<0.026		0.20	0.026	mg/L			04/04/24 22:35	1
Sulfate	<0.76		1.0	0.76	mg/L			04/04/24 22:35	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00097		0.0020	0.00097	mg/L		04/03/24 10:30	04/04/24 16:38	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		04/03/24 10:30	04/04/24 16:38	1
Barium	<0.0031		0.010	0.0031	mg/L		04/03/24 10:30	04/04/24 16:38	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/03/24 10:30	04/04/24 16:38	1
Boron	<0.060		0.080	0.060	mg/L		04/03/24 10:30	04/04/24 16:38	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/03/24 10:30	04/04/24 16:38	1
Calcium	<0.13		0.50	0.13	mg/L		04/03/24 10:30	04/04/24 16:38	1
Chromium	**0.0017**	**J**	0.0020	0.0015	mg/L		04/03/24 10:30	04/04/24 16:38	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		04/03/24 10:30	04/04/24 16:38	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/03/24 10:30	04/04/24 16:38	1
Lithium	<0.0013		0.0050	0.0013	mg/L		04/03/24 10:30	04/04/24 16:38	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/03/24 10:30	04/04/24 16:38	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/03/24 10:30	04/04/24 16:38	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/03/24 10:30	04/04/24 16:38	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 09:19	04/04/24 12:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10		10	10	mg/L			04/03/24 13:25	1

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: EB-03

Date Collected: 03/27/24 17:59
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-53

Matrix: Water

Method: SW846 EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00097		0.0020	0.00097	mg/L		04/03/24 10:30	04/04/24 16:41	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		04/03/24 10:30	04/04/24 16:41	1
Barium	<0.0031		0.010	0.0031	mg/L		04/03/24 10:30	04/04/24 16:41	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/03/24 10:30	04/04/24 16:41	1
Boron	<0.060		0.080	0.060	mg/L		04/03/24 10:30	04/04/24 16:41	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/03/24 10:30	04/04/24 16:41	1
Calcium	<0.13		0.50	0.13	mg/L		04/03/24 10:30	04/04/24 16:41	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/03/24 10:30	04/04/24 16:41	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		04/03/24 10:30	04/04/24 16:41	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/03/24 10:30	04/04/24 16:41	1
Lithium	<0.0013		0.0050	0.0013	mg/L		04/03/24 10:30	04/04/24 16:41	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/03/24 10:30	04/04/24 16:41	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/03/24 10:30	04/04/24 16:41	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/03/24 10:30	04/04/24 16:41	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 09:19	04/04/24 12:52	1

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-1

Client Sample ID: FB-03

Date Collected: 03/27/24 17:47
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-54

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/04/24 22:54	1
Fluoride	<0.026		0.20	0.026	mg/L			04/04/24 22:54	1
Sulfate	<0.76		1.0	0.76	mg/L			04/04/24 22:54	1

Method: SW846 EPA 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00097		0.0020	0.00097	mg/L		04/03/24 10:30	04/04/24 16:43	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		04/03/24 10:30	04/04/24 16:43	1
Barium	<0.0031		0.010	0.0031	mg/L		04/03/24 10:30	04/04/24 16:43	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/03/24 10:30	04/04/24 16:43	1
Boron	<0.060		0.080	0.060	mg/L		04/03/24 10:30	04/04/24 16:43	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/03/24 10:30	04/04/24 16:43	1
Calcium	<0.13		0.50	0.13	mg/L		04/03/24 10:30	04/04/24 16:43	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/03/24 10:30	04/04/24 16:43	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		04/03/24 10:30	04/04/24 16:43	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/03/24 10:30	04/04/24 16:43	1
Lithium	<0.0013		0.0050	0.0013	mg/L		04/03/24 10:30	04/04/24 16:43	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/03/24 10:30	04/04/24 16:43	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/03/24 10:30	04/04/24 16:43	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/03/24 10:30	04/04/24 16:43	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 09:19	04/04/24 12:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10		10	10	mg/L			04/03/24 13:25	1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 180-464012/48
Matrix: Water
Analysis Batch: 464012

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			03/31/24 00:50	1
Fluoride	<0.026		0.20	0.026	mg/L			03/31/24 00:50	1
Sulfate	<0.76		1.0	0.76	mg/L			03/31/24 00:50	1

Lab Sample ID: LCS 180-464012/49
Matrix: Water
Analysis Batch: 464012

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	47.9		mg/L		96	90 - 110
Fluoride	2.50	2.56		mg/L		102	90 - 110
Sulfate	50.0	47.0		mg/L		94	90 - 110

Lab Sample ID: MB 180-464187/45
Matrix: Water
Analysis Batch: 464187

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/03/24 00:56	1
Chloride, Dissolved	<0.71		1.0	0.71	mg/L			04/03/24 00:56	1
Fluoride	<0.026		0.10	0.026	mg/L			04/03/24 00:56	1
Fluoride, Dissolved	<0.026		0.10	0.026	mg/L			04/03/24 00:56	1
Sulfate	<0.76		1.0	0.76	mg/L			04/03/24 00:56	1
Sulfate, Dissolved	<0.76		1.0	0.76	mg/L			04/03/24 00:56	1

Lab Sample ID: MB 180-464187/6
Matrix: Water
Analysis Batch: 464187

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/02/24 11:47	1
Chloride, Dissolved	<0.71		1.0	0.71	mg/L			04/02/24 11:47	1
Fluoride	<0.026		0.20	0.026	mg/L			04/02/24 11:47	1
Fluoride, Dissolved	<0.026		0.20	0.026	mg/L			04/02/24 11:47	1
Sulfate	<0.76		1.0	0.76	mg/L			04/02/24 11:47	1
Sulfate, Dissolved	<0.76		1.0	0.76	mg/L			04/02/24 11:47	1

Lab Sample ID: LCS 180-464187/46
Matrix: Water
Analysis Batch: 464187

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	47.3		mg/L		95	90 - 110
Chloride, Dissolved	50.0	47.3		mg/L		95	90 - 110
Fluoride	2.50	2.42		mg/L		97	90 - 110
Fluoride, Dissolved	2.50	2.42		mg/L		97	90 - 110
Sulfate	50.0	46.9		mg/L		94	90 - 110
Sulfate, Dissolved	50.0	46.9		mg/L		94	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 180-464187/7
Matrix: Water
Analysis Batch: 464187

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	47.2		mg/L		94	90 - 110
Chloride, Dissolved	50.0	47.2		mg/L		94	90 - 110
Fluoride	2.50	2.41		mg/L		97	90 - 110
Fluoride, Dissolved	2.50	2.41		mg/L		97	90 - 110
Sulfate	50.0	46.9		mg/L		94	90 - 110
Sulfate, Dissolved	50.0	46.9		mg/L		94	90 - 110

Lab Sample ID: 180-171607-1 MS
Matrix: Water
Analysis Batch: 464187

Client Sample ID: SW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	120	F1	50.0	163	F1	mg/L		81	90 - 110
Fluoride	0.056	J	2.50	2.54		mg/L		99	90 - 110
Sulfate	21		50.0	68.1		mg/L		94	90 - 110

Lab Sample ID: 180-171607-1 MSD
Matrix: Water
Analysis Batch: 464187

Client Sample ID: SW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	120	F1	50.0	163	F1	mg/L		82	90 - 110	0	20
Fluoride	0.056	J	2.50	2.56		mg/L		100	90 - 110	1	20
Sulfate	21		50.0	68.0		mg/L		94	90 - 110	0	20

Lab Sample ID: MB 180-464310/44
Matrix: Water
Analysis Batch: 464310

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/04/24 03:48	1
Chloride, Dissolved	<0.71		1.0	0.71	mg/L			04/04/24 03:48	1
Fluoride	<0.026		0.10	0.026	mg/L			04/04/24 03:48	1
Fluoride, Dissolved	<0.026		0.10	0.026	mg/L			04/04/24 03:48	1
Sulfate	<0.76		1.0	0.76	mg/L			04/04/24 03:48	1
Sulfate, Dissolved	<0.76		1.0	0.76	mg/L			04/04/24 03:48	1

Lab Sample ID: LCS 180-464310/45
Matrix: Water
Analysis Batch: 464310

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	49.8		mg/L		100	90 - 110
Chloride, Dissolved	50.0	49.8		mg/L		100	90 - 110
Fluoride	2.50	2.63		mg/L		105	90 - 110
Fluoride, Dissolved	2.50	2.63		mg/L		105	90 - 110
Sulfate	50.0	49.3		mg/L		99	90 - 110
Sulfate, Dissolved	50.0	49.3		mg/L		99	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 180-171607-31 MS
Matrix: Water
Analysis Batch: 464310

Client Sample ID: SW-12
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	32		50.0	80.9		mg/L		98	90 - 110
Chloride, Dissolved	32		50.0	80.9		mg/L		98	90 - 110
Fluoride	0.049	J	2.50	2.67		mg/L		105	90 - 110
Fluoride, Dissolved	0.049	J	2.50	2.67		mg/L		105	90 - 110
Sulfate	7.6		50.0	57.9		mg/L		101	90 - 110
Sulfate, Dissolved	7.6		50.0	57.9		mg/L		101	90 - 110

Lab Sample ID: 180-171607-31 MSD
Matrix: Water
Analysis Batch: 464310

Client Sample ID: SW-12
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	32		50.0	81.1		mg/L		98	90 - 110	0	20
Chloride, Dissolved	32		50.0	81.1		mg/L		98	90 - 110	0	20
Fluoride	0.049	J	2.50	2.66		mg/L		105	90 - 110	0	20
Fluoride, Dissolved	0.049	J	2.50	2.66		mg/L		105	90 - 110	0	20
Sulfate	7.6		50.0	57.6		mg/L		100	90 - 110	0	20
Sulfate, Dissolved	7.6		50.0	57.6		mg/L		100	90 - 110	0	20

Lab Sample ID: MB 180-464446/6
Matrix: Water
Analysis Batch: 464446

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/04/24 13:45	1
Chloride, Dissolved	<0.71		1.0	0.71	mg/L			04/04/24 13:45	1
Fluoride	<0.026		0.20	0.026	mg/L			04/04/24 13:45	1
Fluoride, Dissolved	<0.026		0.20	0.026	mg/L			04/04/24 13:45	1
Sulfate	<0.76		1.0	0.76	mg/L			04/04/24 13:45	1
Sulfate, Dissolved	<0.76		1.0	0.76	mg/L			04/04/24 13:45	1

Lab Sample ID: LCS 180-464446/7
Matrix: Water
Analysis Batch: 464446

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	48.6		mg/L		97	90 - 110
Chloride, Dissolved	50.0	48.6		mg/L		97	90 - 110
Fluoride	2.50	2.51		mg/L		101	90 - 110
Fluoride, Dissolved	2.50	2.51		mg/L		101	90 - 110
Sulfate	50.0	48.2		mg/L		96	90 - 110
Sulfate, Dissolved	50.0	48.2		mg/L		96	90 - 110

Lab Sample ID: 180-171607-43 MS
Matrix: Water
Analysis Batch: 464446

Client Sample ID: DUP-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	32		50.0	79.6		mg/L		95	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 180-171607-43 MS
Matrix: Water
Analysis Batch: 464446

Client Sample ID: DUP-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.049	J	2.50	2.62		mg/L		103	90 - 110
Sulfate	7.5		50.0	56.8		mg/L		99	90 - 110

Lab Sample ID: 180-171607-43 MSD
Matrix: Water
Analysis Batch: 464446

Client Sample ID: DUP-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	32		50.0	79.9		mg/L		96	90 - 110	0	20
Fluoride	0.049	J	2.50	2.63		mg/L		103	90 - 110	0	20
Sulfate	7.5		50.0	56.6		mg/L		98	90 - 110	0	20

Lab Sample ID: MB 180-464603/6
Matrix: Water
Analysis Batch: 464603

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/05/24 13:14	1
Fluoride	<0.026		0.20	0.026	mg/L			04/05/24 13:14	1
Sulfate	<0.76		1.0	0.76	mg/L			04/05/24 13:14	1

Lab Sample ID: LCS 180-464603/7
Matrix: Water
Analysis Batch: 464603

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	49.2		mg/L		98	90 - 110
Fluoride	2.50	2.63		mg/L		105	90 - 110
Sulfate	50.0	48.7		mg/L		97	90 - 110

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Lab Sample ID: 180-171607-6 MS
Matrix: Water
Analysis Batch: 464187

Client Sample ID: SW-2
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride, Dissolved	110	F1	50.0	153	F1	mg/L		83	90 - 110
Fluoride, Dissolved	0.049	J	2.50	2.52		mg/L		99	90 - 110
Sulfate, Dissolved	20		50.0	66.2		mg/L		93	90 - 110

Lab Sample ID: 180-171607-6 MSD
Matrix: Water
Analysis Batch: 464187

Client Sample ID: SW-2
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride, Dissolved	110	F1	50.0	153	F1	mg/L		83	90 - 110	0	20
Fluoride, Dissolved	0.049	J	2.50	2.51		mg/L		99	90 - 110	0	20
Sulfate, Dissolved	20		50.0	65.7		mg/L		92	90 - 110	1	20

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 180-171607-18 MS
Matrix: Water
Analysis Batch: 464187

Client Sample ID: SW-5
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride, Dissolved	17		50.0	63.6		mg/L		93	90 - 110
Fluoride, Dissolved	0.041	J	2.50	2.51		mg/L		99	90 - 110
Sulfate, Dissolved	5.1		50.0	52.3		mg/L		94	90 - 110

Lab Sample ID: 180-171607-18 MSD
Matrix: Water
Analysis Batch: 464187

Client Sample ID: SW-5
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride, Dissolved	17		50.0	63.4		mg/L		93	90 - 110	0	20
Fluoride, Dissolved	0.041	J	2.50	2.49		mg/L		98	90 - 110	1	20
Sulfate, Dissolved	5.1		50.0	52.0		mg/L		94	90 - 110	1	20

Lab Sample ID: 180-171607-28 MS
Matrix: Water
Analysis Batch: 464187

Client Sample ID: SW-10
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride, Dissolved	65	F1	50.0	109	F1	mg/L		89	90 - 110
Fluoride, Dissolved	0.038	J	2.50	2.57		mg/L		100	90 - 110
Sulfate, Dissolved	12		50.0	60.1		mg/L		96	90 - 110

Lab Sample ID: 180-171607-28 MSD
Matrix: Water
Analysis Batch: 464187

Client Sample ID: SW-10
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride, Dissolved	65	F1	50.0	110		mg/L		90	90 - 110	0	20
Fluoride, Dissolved	0.038	J	2.50	2.56		mg/L		100	90 - 110	0	20
Sulfate, Dissolved	12		50.0	59.9		mg/L		95	90 - 110	0	20

Lab Sample ID: 180-171607-48 MS
Matrix: Water
Analysis Batch: 464446

Client Sample ID: DUP-03
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride, Dissolved	130	F1	50.0	168	F1	mg/L		86	90 - 110
Fluoride, Dissolved	0.062	J	2.50	2.61		mg/L		102	90 - 110
Sulfate, Dissolved	21		50.0	69.6		mg/L		96	90 - 110

Lab Sample ID: 180-171607-48 MSD
Matrix: Water
Analysis Batch: 464446

Client Sample ID: DUP-03
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride, Dissolved	130	F1	50.0	169	F1	mg/L		88	90 - 110	1	20
Fluoride, Dissolved	0.062	J	2.50	2.62		mg/L		102	90 - 110	0	20
Sulfate, Dissolved	21		50.0	69.6		mg/L		96	90 - 110	0	20

Method: EPA 6020B - Metals (ICP/MS)

Lab Sample ID: MB 180-464181/1-A
Matrix: Water
Analysis Batch: 464464

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 464181

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00097		0.0020	0.00097	mg/L		04/02/24 11:05	04/03/24 20:18	1
Antimony, Dissolved	<0.00097		0.0020	0.00097	mg/L		04/02/24 11:05	04/03/24 20:18	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		04/02/24 11:05	04/03/24 20:18	1
Arsenic, Dissolved	<0.00028		0.0010	0.00028	mg/L		04/02/24 11:05	04/03/24 20:18	1
Barium	<0.0031		0.010	0.0031	mg/L		04/02/24 11:05	04/03/24 20:18	1
Barium, Dissolved	<0.0031		0.010	0.0031	mg/L		04/02/24 11:05	04/03/24 20:18	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/02/24 11:05	04/03/24 20:18	1
Beryllium, Dissolved	<0.00027		0.0025	0.00027	mg/L		04/02/24 11:05	04/03/24 20:18	1
Boron	<0.060	^+	0.080	0.060	mg/L		04/02/24 11:05	04/03/24 20:18	1
Boron, Dissolved	<0.060	^+	0.080	0.060	mg/L		04/02/24 11:05	04/03/24 20:18	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/24 11:05	04/03/24 20:18	1
Cadmium, Dissolved	<0.00022		0.0025	0.00022	mg/L		04/02/24 11:05	04/03/24 20:18	1
Calcium	<0.13		0.50	0.13	mg/L		04/02/24 11:05	04/03/24 20:18	1
Calcium, Dissolved	<0.13		0.50	0.13	mg/L		04/02/24 11:05	04/03/24 20:18	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/24 11:05	04/03/24 20:18	1
Chromium, Dissolved	<0.0015		0.0020	0.0015	mg/L		04/02/24 11:05	04/03/24 20:18	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		04/02/24 11:05	04/03/24 20:18	1
Cobalt, Dissolved	<0.00026		0.0025	0.00026	mg/L		04/02/24 11:05	04/03/24 20:18	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/02/24 11:05	04/03/24 20:18	1
Lead, Dissolved	<0.00038		0.0010	0.00038	mg/L		04/02/24 11:05	04/03/24 20:18	1
Lithium	<0.0013		0.0050	0.0013	mg/L		04/02/24 11:05	04/03/24 20:18	1
Lithium, Dissolved	<0.0013		0.0050	0.0013	mg/L		04/02/24 11:05	04/03/24 20:18	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/02/24 11:05	04/03/24 20:18	1
Molybdenum, Dissolved	<0.00061		0.015	0.00061	mg/L		04/02/24 11:05	04/03/24 20:18	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/02/24 11:05	04/03/24 20:18	1
Selenium, Dissolved	<0.00074		0.0050	0.00074	mg/L		04/02/24 11:05	04/03/24 20:18	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/02/24 11:05	04/03/24 20:18	1
Thallium, Dissolved	<0.00047		0.0010	0.00047	mg/L		04/02/24 11:05	04/03/24 20:18	1

Lab Sample ID: LCS 180-464181/2-A
Matrix: Water
Analysis Batch: 464464

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 464181

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.250	0.276		mg/L		111	80 - 120
Antimony, Dissolved	0.250	0.276		mg/L		111	80 - 120
Arsenic	1.00	1.06		mg/L		106	80 - 120
Arsenic, Dissolved	1.00	1.06		mg/L		106	80 - 120
Barium	1.00	1.02		mg/L		102	80 - 120
Barium, Dissolved	1.00	1.02		mg/L		102	80 - 120
Beryllium	0.500	0.512		mg/L		102	80 - 120
Beryllium, Dissolved	0.500	0.512		mg/L		102	80 - 120
Cadmium	0.500	0.514		mg/L		103	80 - 120
Cadmium, Dissolved	0.500	0.514		mg/L		103	80 - 120
Calcium	25.0	27.9		mg/L		111	80 - 120
Calcium, Dissolved	25.0	27.9		mg/L		111	80 - 120
Chromium	0.500	0.514		mg/L		103	80 - 120
Chromium, Dissolved	0.500	0.514		mg/L		103	80 - 120
Cobalt	0.500	0.515		mg/L		103	80 - 120

Method: EPA 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 180-464181/2-A
Matrix: Water
Analysis Batch: 464464

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 464181

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cobalt, Dissolved	0.500	0.515		mg/L		103	80 - 120
Lead	0.500	0.533		mg/L		107	80 - 120
Lead, Dissolved	0.500	0.533		mg/L		107	80 - 120
Lithium	0.500	0.512		mg/L		102	80 - 120
Lithium, Dissolved	0.500	0.512		mg/L		102	80 - 120
Molybdenum	0.500	0.551		mg/L		110	80 - 120
Molybdenum, Dissolved	0.500	0.551		mg/L		110	80 - 120
Selenium	1.00	1.02		mg/L		102	80 - 120
Selenium, Dissolved	1.00	1.02		mg/L		102	80 - 120
Thallium	1.00	1.08		mg/L		108	80 - 120
Thallium, Dissolved	1.00	1.08		mg/L		108	80 - 120

Lab Sample ID: LCS 180-464181/2-A
Matrix: Water
Analysis Batch: 464598

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 464181

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.250	0.252	^+	mg/L		101	80 - 120
Boron, Dissolved	0.250	0.252	^+	mg/L		101	80 - 120

Lab Sample ID: MB 180-464183/1-A
Matrix: Water
Analysis Batch: 464440

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 464183

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00166	J	0.0020	0.00097	mg/L		04/02/24 11:05	04/03/24 14:57	1
Antimony, Dissolved	0.00166	J	0.0020	0.00097	mg/L		04/02/24 11:05	04/03/24 14:57	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		04/02/24 11:05	04/03/24 14:57	1
Arsenic, Dissolved	<0.00028		0.0010	0.00028	mg/L		04/02/24 11:05	04/03/24 14:57	1
Barium	<0.0031		0.010	0.0031	mg/L		04/02/24 11:05	04/03/24 14:57	1
Barium, Dissolved	<0.0031		0.010	0.0031	mg/L		04/02/24 11:05	04/03/24 14:57	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/02/24 11:05	04/03/24 14:57	1
Beryllium, Dissolved	<0.00027		0.0025	0.00027	mg/L		04/02/24 11:05	04/03/24 14:57	1
Boron	<0.060	^5-	0.080	0.060	mg/L		04/02/24 11:05	04/03/24 14:57	1
Boron, Dissolved	<0.060	^5-	0.080	0.060	mg/L		04/02/24 11:05	04/03/24 14:57	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/24 11:05	04/03/24 14:57	1
Cadmium, Dissolved	<0.00022		0.0025	0.00022	mg/L		04/02/24 11:05	04/03/24 14:57	1
Calcium	<0.13		0.50	0.13	mg/L		04/02/24 11:05	04/03/24 14:57	1
Calcium, Dissolved	<0.13		0.50	0.13	mg/L		04/02/24 11:05	04/03/24 14:57	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/24 11:05	04/03/24 14:57	1
Chromium, Dissolved	<0.0015		0.0020	0.0015	mg/L		04/02/24 11:05	04/03/24 14:57	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		04/02/24 11:05	04/03/24 14:57	1
Cobalt, Dissolved	<0.00026		0.0025	0.00026	mg/L		04/02/24 11:05	04/03/24 14:57	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/02/24 11:05	04/03/24 14:57	1
Lead, Dissolved	<0.00038		0.0010	0.00038	mg/L		04/02/24 11:05	04/03/24 14:57	1
Lithium	<0.0013		0.0050	0.0013	mg/L		04/02/24 11:05	04/03/24 14:57	1
Lithium, Dissolved	<0.0013		0.0050	0.0013	mg/L		04/02/24 11:05	04/03/24 14:57	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/02/24 11:05	04/03/24 14:57	1
Molybdenum, Dissolved	<0.00061		0.015	0.00061	mg/L		04/02/24 11:05	04/03/24 14:57	1

Method: EPA 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 180-464183/1-A
Matrix: Water
Analysis Batch: 464440

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 464183

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.00074		0.0050	0.00074	mg/L		04/02/24 11:05	04/03/24 14:57	1
Selenium, Dissolved	<0.00074		0.0050	0.00074	mg/L		04/02/24 11:05	04/03/24 14:57	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/02/24 11:05	04/03/24 14:57	1
Thallium, Dissolved	<0.00047		0.0010	0.00047	mg/L		04/02/24 11:05	04/03/24 14:57	1

Lab Sample ID: LCS 180-464183/2-A
Matrix: Water
Analysis Batch: 464440

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 464183

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.250	0.278		mg/L		111	80 - 120
Antimony, Dissolved	0.250	0.278		mg/L		111	80 - 120
Arsenic	1.00	1.04		mg/L		104	80 - 120
Arsenic, Dissolved	1.00	1.04		mg/L		104	80 - 120
Barium	1.00	1.02		mg/L		102	80 - 120
Barium, Dissolved	1.00	1.02		mg/L		102	80 - 120
Beryllium	0.500	0.482		mg/L		96	80 - 120
Beryllium, Dissolved	0.500	0.482		mg/L		96	80 - 120
Boron	0.250	0.242	^5-	mg/L		97	80 - 120
Boron, Dissolved	0.250	0.242	^5-	mg/L		97	80 - 120
Cadmium	0.500	0.511		mg/L		102	80 - 120
Cadmium, Dissolved	0.500	0.511		mg/L		102	80 - 120
Calcium	25.0	27.3		mg/L		109	80 - 120
Calcium, Dissolved	25.0	27.3		mg/L		109	80 - 120
Chromium	0.500	0.507		mg/L		101	80 - 120
Chromium, Dissolved	0.500	0.507		mg/L		101	80 - 120
Cobalt	0.500	0.508		mg/L		102	80 - 120
Cobalt, Dissolved	0.500	0.508		mg/L		102	80 - 120
Lead	0.500	0.526		mg/L		105	80 - 120
Lead, Dissolved	0.500	0.526		mg/L		105	80 - 120
Lithium	0.500	0.492		mg/L		98	80 - 120
Lithium, Dissolved	0.500	0.492		mg/L		98	80 - 120
Molybdenum	0.500	0.539		mg/L		108	80 - 120
Molybdenum, Dissolved	0.500	0.539		mg/L		108	80 - 120
Selenium	1.00	1.02		mg/L		102	80 - 120
Selenium, Dissolved	1.00	1.02		mg/L		102	80 - 120
Thallium	1.00	1.09		mg/L		109	80 - 120
Thallium, Dissolved	1.00	1.09		mg/L		109	80 - 120

Lab Sample ID: 180-171607-13 MS
Matrix: Water
Analysis Batch: 464440

Client Sample ID: SW-4
Prep Type: Total Recoverable
Prep Batch: 464183

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0017	J B	0.250	0.281		mg/L		112	75 - 125
Antimony, Dissolved	0.0017	J B	0.250	0.281		mg/L		112	75 - 125
Arsenic	0.00071	J	1.00	1.07		mg/L		107	75 - 125
Arsenic, Dissolved	0.00071	J	1.00	1.07		mg/L		107	75 - 125
Barium	0.029		1.00	1.07		mg/L		104	75 - 125

Method: EPA 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 180-171607-13 MS
Matrix: Water
Analysis Batch: 464440

Client Sample ID: SW-4
Prep Type: Total Recoverable
Prep Batch: 464183

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Barium, Dissolved	0.029		1.00	1.07		mg/L		104	75 - 125
Beryllium	0.00028	J	0.500	0.474		mg/L		95	75 - 125
Beryllium, Dissolved	0.00028	J	0.500	0.474		mg/L		95	75 - 125
Boron	0.085	^5-	0.250	0.298	^5-	mg/L		85	75 - 125
Boron, Dissolved	0.085	^5-	0.250	0.298	^5-	mg/L		85	75 - 125
Cadmium	<0.00022		0.500	0.516		mg/L		103	75 - 125
Cadmium, Dissolved	<0.00022		0.500	0.516		mg/L		103	75 - 125
Calcium	5.8		25.0	33.3		mg/L		110	75 - 125
Calcium, Dissolved	5.8		25.0	33.3		mg/L		110	75 - 125
Chromium	<0.0015		0.500	0.507		mg/L		101	75 - 125
Chromium, Dissolved	<0.0015		0.500	0.507		mg/L		101	75 - 125
Cobalt	0.00056	J	0.500	0.515		mg/L		103	75 - 125
Cobalt, Dissolved	0.00056	J	0.500	0.515		mg/L		103	75 - 125
Lead	0.00066	J	0.500	0.530		mg/L		106	75 - 125
Lead, Dissolved	0.00066	J	0.500	0.530		mg/L		106	75 - 125
Lithium	0.0035	J	0.500	0.490		mg/L		97	75 - 125
Lithium, Dissolved	0.0035	J	0.500	0.490		mg/L		97	75 - 125
Molybdenum	<0.00061		0.500	0.547		mg/L		109	75 - 125
Molybdenum, Dissolved	<0.00061		0.500	0.547		mg/L		109	75 - 125
Selenium	<0.00074		1.00	1.02		mg/L		102	75 - 125
Selenium, Dissolved	<0.00074		1.00	1.02		mg/L		102	75 - 125
Thallium	<0.00047		1.00	1.09		mg/L		109	75 - 125
Thallium, Dissolved	<0.00047		1.00	1.09		mg/L		109	75 - 125

Lab Sample ID: 180-171607-13 MSD
Matrix: Water
Analysis Batch: 464440

Client Sample ID: SW-4
Prep Type: Total Recoverable
Prep Batch: 464183

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.0017	J B	0.250	0.271		mg/L		108	75 - 125	4	20
Antimony, Dissolved	0.0017	J B	0.250	0.271		mg/L		108	75 - 125	4	20
Arsenic	0.00071	J	1.00	1.05		mg/L		105	75 - 125	2	20
Arsenic, Dissolved	0.00071	J	1.00	1.05		mg/L		105	75 - 125	2	20
Barium	0.029		1.00	1.04		mg/L		101	75 - 125	2	20
Barium, Dissolved	0.029		1.00	1.04		mg/L		101	75 - 125	2	20
Beryllium	0.00028	J	0.500	0.442		mg/L		88	75 - 125	7	20
Beryllium, Dissolved	0.00028	J	0.500	0.442		mg/L		88	75 - 125	7	20
Boron	0.085	^5-	0.250	0.297	^5-	mg/L		85	75 - 125	0	20
Boron, Dissolved	0.085	^5-	0.250	0.297	^5-	mg/L		85	75 - 125	0	20
Cadmium	<0.00022		0.500	0.495		mg/L		99	75 - 125	4	20
Cadmium, Dissolved	<0.00022		0.500	0.495		mg/L		99	75 - 125	4	20
Calcium	5.8		25.0	32.7		mg/L		108	75 - 125	2	20
Calcium, Dissolved	5.8		25.0	32.7		mg/L		108	75 - 125	2	20
Chromium	<0.0015		0.500	0.492		mg/L		98	75 - 125	3	20
Chromium, Dissolved	<0.0015		0.500	0.492		mg/L		98	75 - 125	3	20
Cobalt	0.00056	J	0.500	0.505		mg/L		101	75 - 125	2	20
Cobalt, Dissolved	0.00056	J	0.500	0.505		mg/L		101	75 - 125	2	20
Lead	0.00066	J	0.500	0.507		mg/L		101	75 - 125	4	20
Lead, Dissolved	0.00066	J	0.500	0.507		mg/L		101	75 - 125	4	20

Method: EPA 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 180-171607-13 MSD
Matrix: Water
Analysis Batch: 464440

Client Sample ID: SW-4
Prep Type: Total Recoverable
Prep Batch: 464183

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lithium	0.0035	J	0.500	0.464		mg/L		92	75 - 125	5	20
Lithium, Dissolved	0.0035	J	0.500	0.464		mg/L		92	75 - 125	5	20
Molybdenum	<0.00061		0.500	0.533		mg/L		107	75 - 125	3	20
Molybdenum, Dissolved	<0.00061		0.500	0.533		mg/L		107	75 - 125	3	20
Selenium	<0.00074		1.00	1.00		mg/L		100	75 - 125	2	20
Selenium, Dissolved	<0.00074		1.00	1.00		mg/L		100	75 - 125	2	20
Thallium	<0.00047		1.00	1.03		mg/L		103	75 - 125	6	20
Thallium, Dissolved	<0.00047		1.00	1.03		mg/L		103	75 - 125	6	20

Lab Sample ID: MB 180-464319/1-A
Matrix: Water
Analysis Batch: 464440

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 464319

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00097		0.0020	0.00097	mg/L		04/03/24 10:30	04/03/24 16:27	1
Antimony, Dissolved	<0.00097		0.0020	0.00097	mg/L		04/03/24 10:30	04/03/24 16:27	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		04/03/24 10:30	04/03/24 16:27	1
Arsenic, Dissolved	<0.00028		0.0010	0.00028	mg/L		04/03/24 10:30	04/03/24 16:27	1
Barium	<0.0031		0.010	0.0031	mg/L		04/03/24 10:30	04/03/24 16:27	1
Barium, Dissolved	<0.0031		0.010	0.0031	mg/L		04/03/24 10:30	04/03/24 16:27	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/03/24 10:30	04/03/24 16:27	1
Beryllium, Dissolved	<0.00027		0.0025	0.00027	mg/L		04/03/24 10:30	04/03/24 16:27	1
Boron	<0.060	^5-	0.080	0.060	mg/L		04/03/24 10:30	04/03/24 16:27	1
Boron, Dissolved	<0.060	^5-	0.080	0.060	mg/L		04/03/24 10:30	04/03/24 16:27	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/03/24 10:30	04/03/24 16:27	1
Cadmium, Dissolved	<0.00022		0.0025	0.00022	mg/L		04/03/24 10:30	04/03/24 16:27	1
Calcium	<0.13		0.50	0.13	mg/L		04/03/24 10:30	04/03/24 16:27	1
Calcium, Dissolved	<0.13		0.50	0.13	mg/L		04/03/24 10:30	04/03/24 16:27	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/03/24 10:30	04/03/24 16:27	1
Chromium, Dissolved	<0.0015		0.0020	0.0015	mg/L		04/03/24 10:30	04/03/24 16:27	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		04/03/24 10:30	04/03/24 16:27	1
Cobalt, Dissolved	<0.00026		0.0025	0.00026	mg/L		04/03/24 10:30	04/03/24 16:27	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/03/24 10:30	04/03/24 16:27	1
Lead, Dissolved	<0.00038		0.0010	0.00038	mg/L		04/03/24 10:30	04/03/24 16:27	1
Lithium	<0.0013		0.0050	0.0013	mg/L		04/03/24 10:30	04/03/24 16:27	1
Lithium, Dissolved	<0.0013		0.0050	0.0013	mg/L		04/03/24 10:30	04/03/24 16:27	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/03/24 10:30	04/03/24 16:27	1
Molybdenum, Dissolved	<0.00061		0.015	0.00061	mg/L		04/03/24 10:30	04/03/24 16:27	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/03/24 10:30	04/03/24 16:27	1
Selenium, Dissolved	<0.00074		0.0050	0.00074	mg/L		04/03/24 10:30	04/03/24 16:27	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/03/24 10:30	04/03/24 16:27	1
Thallium, Dissolved	<0.00047		0.0010	0.00047	mg/L		04/03/24 10:30	04/03/24 16:27	1

Lab Sample ID: LCS 180-464319/2-A
Matrix: Water
Analysis Batch: 464440

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 464319

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.250	0.265		mg/L		106	80 - 120

Method: EPA 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 180-464319/2-A
Matrix: Water
Analysis Batch: 464440

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 464319

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony, Dissolved	0.250	0.265		mg/L		106	80 - 120
Arsenic	1.00	1.03		mg/L		103	80 - 120
Arsenic, Dissolved	1.00	1.03		mg/L		103	80 - 120
Barium	1.00	1.02		mg/L		102	80 - 120
Barium, Dissolved	1.00	1.02		mg/L		102	80 - 120
Beryllium	0.500	0.454		mg/L		91	80 - 120
Beryllium, Dissolved	0.500	0.454		mg/L		91	80 - 120
Boron	0.250	0.222	^5-	mg/L		89	80 - 120
Boron, Dissolved	0.250	0.222	^5-	mg/L		89	80 - 120
Cadmium	0.500	0.506		mg/L		101	80 - 120
Cadmium, Dissolved	0.500	0.506		mg/L		101	80 - 120
Calcium	25.0	27.6		mg/L		110	80 - 120
Calcium, Dissolved	25.0	27.6		mg/L		110	80 - 120
Chromium	0.500	0.507		mg/L		101	80 - 120
Chromium, Dissolved	0.500	0.507		mg/L		101	80 - 120
Cobalt	0.500	0.505		mg/L		101	80 - 120
Cobalt, Dissolved	0.500	0.505		mg/L		101	80 - 120
Lead	0.500	0.515		mg/L		103	80 - 120
Lead, Dissolved	0.500	0.515		mg/L		103	80 - 120
Lithium	0.500	0.479		mg/L		96	80 - 120
Lithium, Dissolved	0.500	0.479		mg/L		96	80 - 120
Molybdenum	0.500	0.515		mg/L		103	80 - 120
Molybdenum, Dissolved	0.500	0.515		mg/L		103	80 - 120
Selenium	1.00	1.01		mg/L		101	80 - 120
Selenium, Dissolved	1.00	1.01		mg/L		101	80 - 120
Thallium	1.00	1.05		mg/L		105	80 - 120
Thallium, Dissolved	1.00	1.05		mg/L		105	80 - 120

Lab Sample ID: MB 180-464320/1-A
Matrix: Water
Analysis Batch: 464597

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 464320

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00097		0.0020	0.00097	mg/L		04/03/24 10:30	04/04/24 16:29	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		04/03/24 10:30	04/04/24 16:29	1
Barium	<0.0031		0.010	0.0031	mg/L		04/03/24 10:30	04/04/24 16:29	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		04/03/24 10:30	04/04/24 16:29	1
Boron	<0.060		0.080	0.060	mg/L		04/03/24 10:30	04/04/24 16:29	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/03/24 10:30	04/04/24 16:29	1
Calcium	<0.13		0.50	0.13	mg/L		04/03/24 10:30	04/04/24 16:29	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/03/24 10:30	04/04/24 16:29	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		04/03/24 10:30	04/04/24 16:29	1
Lead	<0.00038		0.0010	0.00038	mg/L		04/03/24 10:30	04/04/24 16:29	1
Lithium	<0.0013		0.0050	0.0013	mg/L		04/03/24 10:30	04/04/24 16:29	1
Molybdenum	<0.00061		0.015	0.00061	mg/L		04/03/24 10:30	04/04/24 16:29	1
Selenium	<0.00074		0.0050	0.00074	mg/L		04/03/24 10:30	04/04/24 16:29	1
Thallium	<0.00047		0.0010	0.00047	mg/L		04/03/24 10:30	04/04/24 16:29	1

Method: EPA 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 180-464320/2-A
Matrix: Water
Analysis Batch: 464597

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 464320

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.250	0.270		mg/L		108	80 - 120
Arsenic	1.00	1.04		mg/L		104	80 - 120
Barium	1.00	1.03		mg/L		103	80 - 120
Beryllium	0.500	0.497		mg/L		99	80 - 120
Boron	0.250	0.227		mg/L		91	80 - 120
Cadmium	0.500	0.504		mg/L		101	80 - 120
Calcium	25.0	27.6		mg/L		110	80 - 120
Chromium	0.500	0.498		mg/L		100	80 - 120
Cobalt	0.500	0.507		mg/L		101	80 - 120
Lead	0.500	0.512		mg/L		102	80 - 120
Lithium	0.500	0.505		mg/L		101	80 - 120
Molybdenum	0.500	0.519		mg/L		104	80 - 120
Selenium	1.00	0.989		mg/L		99	80 - 120
Thallium	1.00	1.04		mg/L		104	80 - 120

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-464062/1-A
Matrix: Water
Analysis Batch: 464505

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464062

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 08:22	04/04/24 11:31	1
Mercury, Dissolved	<0.00013		0.00020	0.00013	mg/L		04/01/24 08:22	04/04/24 11:31	1

Lab Sample ID: LCS 180-464062/2-A
Matrix: Water
Analysis Batch: 464505

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464062

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00255		mg/L		102	80 - 120
Mercury, Dissolved	0.00250	0.00255		mg/L		102	80 - 120

Lab Sample ID: 180-171607-21 MS
Matrix: Water
Analysis Batch: 464505

Client Sample ID: SW-6
Prep Type: Total/NA
Prep Batch: 464062

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00013		0.00100	0.00105		mg/L		105	75 - 125
Mercury, Dissolved	<0.00013		0.00100	0.00105		mg/L		105	75 - 125

Lab Sample ID: 180-171607-21 MSD
Matrix: Water
Analysis Batch: 464505

Client Sample ID: SW-6
Prep Type: Total/NA
Prep Batch: 464062

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00013		0.00100	0.00105		mg/L		105	75 - 125	0	20
Mercury, Dissolved	<0.00013		0.00100	0.00105		mg/L		105	75 - 125	0	20

Method: EPA 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: MB 180-464077/1-A
Matrix: Water
Analysis Batch: 464505

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464077

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 09:18	04/04/24 12:02	1
Mercury, Dissolved	<0.00013		0.00020	0.00013	mg/L		04/01/24 09:18	04/04/24 12:02	1

Lab Sample ID: LCS 180-464077/2-A
Matrix: Water
Analysis Batch: 464505

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464077

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00250		mg/L		100	80 - 120
Mercury, Dissolved	0.00250	0.00250		mg/L		100	80 - 120

Lab Sample ID: 180-171607-1 MS
Matrix: Water
Analysis Batch: 464505

Client Sample ID: SW-1
Prep Type: Total/NA
Prep Batch: 464077

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00013		0.00100	0.00106		mg/L		106	75 - 125
Mercury, Dissolved	<0.00013		0.00100	0.00106		mg/L		106	75 - 125

Lab Sample ID: 180-171607-1 MSD
Matrix: Water
Analysis Batch: 464505

Client Sample ID: SW-1
Prep Type: Total/NA
Prep Batch: 464077

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00013		0.00100	0.00110		mg/L		110	75 - 125	3	20
Mercury, Dissolved	<0.00013		0.00100	0.00110		mg/L		110	75 - 125	3	20

Lab Sample ID: MB 180-464080/1-A
Matrix: Water
Analysis Batch: 464505

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 464080

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		04/01/24 09:19	04/04/24 12:30	1
Mercury, Dissolved	<0.00013		0.00020	0.00013	mg/L		04/01/24 09:19	04/04/24 12:30	1

Lab Sample ID: LCS 180-464080/2-A
Matrix: Water
Analysis Batch: 464505

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 464080

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00250		mg/L		100	80 - 120
Mercury, Dissolved	0.00250	0.00250		mg/L		100	80 - 120

Lab Sample ID: 180-171607-41 MS
Matrix: Water
Analysis Batch: 464505

Client Sample ID: SW-17
Prep Type: Total/NA
Prep Batch: 464080

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00013		0.00100	0.00101		mg/L		101	75 - 125
Mercury, Dissolved	<0.00013		0.00100	0.00101		mg/L		101	75 - 125

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: 180-171607-41 MSD
Matrix: Water
Analysis Batch: 464505

Client Sample ID: SW-17
Prep Type: Total/NA
Prep Batch: 464080

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00013		0.00100	0.00102		mg/L		102	75 - 125	1	20
Mercury, Dissolved	<0.00013		0.00100	0.00102		mg/L		102	75 - 125	1	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 180-464118/1
Matrix: Water
Analysis Batch: 464118

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/01/24 13:53	1
Total Dissolved Solids Field Filtered	<10		10	10	mg/L			04/01/24 13:53	1

Lab Sample ID: LCS 180-464118/2
Matrix: Water
Analysis Batch: 464118

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	305	304		mg/L		100	85 - 115
Total Dissolved Solids Field Filtered	305	304		mg/L		100	85 - 115

Lab Sample ID: MB 180-464119/1
Matrix: Water
Analysis Batch: 464119

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/01/24 14:07	1
Total Dissolved Solids Field Filtered	<10		10	10	mg/L			04/01/24 14:07	1

Lab Sample ID: LCS 180-464119/2
Matrix: Water
Analysis Batch: 464119

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	305	300		mg/L		98	85 - 115
Total Dissolved Solids Field Filtered	305	300		mg/L		98	85 - 115

Lab Sample ID: 180-171607-3 DU
Matrix: Water
Analysis Batch: 464119

Client Sample ID: SW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	420		413		mg/L		1	10
Total Dissolved Solids Field Filtered	420		413		mg/L		1	10

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: MB 180-464253/1
Matrix: Water
Analysis Batch: 464253

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/02/24 17:45	1
Total Dissolved Solids Field Filtered	<10		10	10	mg/L			04/02/24 17:45	1

Lab Sample ID: LCS 180-464253/2
Matrix: Water
Analysis Batch: 464253

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	305	304		mg/L		100	85 - 115
Total Dissolved Solids Field Filtered	305	304		mg/L		100	85 - 115

Lab Sample ID: 180-171607-19 DU
Matrix: Water
Analysis Batch: 464253

Client Sample ID: SW-6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	310		309		mg/L		0.3	10

Lab Sample ID: MB 180-464254/1
Matrix: Water
Analysis Batch: 464254

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/02/24 17:59	1
Total Dissolved Solids Field Filtered	<10		10	10	mg/L			04/02/24 17:59	1

Lab Sample ID: LCS 180-464254/2
Matrix: Water
Analysis Batch: 464254

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	305	296		mg/L		97	85 - 115
Total Dissolved Solids Field Filtered	305	296		mg/L		97	85 - 115

Lab Sample ID: MB 180-464359/1
Matrix: Water
Analysis Batch: 464359

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/03/24 13:25	1
Total Dissolved Solids Field Filtered	<10		10	10	mg/L			04/03/24 13:25	1

Lab Sample ID: LCS 180-464359/2
Matrix: Water
Analysis Batch: 464359

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	305	302		mg/L		99	85 - 115

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCS 180-464359/2
Matrix: Water
Analysis Batch: 464359

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids Field Filtered			305	302		mg/L		99	85 - 115		

Lab Sample ID: 180-171607-47 DU
Matrix: Water
Analysis Batch: 464359

Client Sample ID: DUP-03
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	280			279		mg/L				1	10

Lab Sample ID: 180-171607-6 DU
Matrix: Water
Analysis Batch: 464253

Client Sample ID: SW-2
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids Field Filtered	250			237		mg/L				5	10

Lab Sample ID: 180-171607-26 DU
Matrix: Water
Analysis Batch: 464254

Client Sample ID: SW-9
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	250			238		mg/L				6	10
Total Dissolved Solids Field Filtered	250			238		mg/L				6	10

Lab Sample ID: 180-171607-36 DU
Matrix: Water
Analysis Batch: 464254

Client Sample ID: SW-14
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	150			143		mg/L				4	10
Total Dissolved Solids Field Filtered	150			143		mg/L				4	10

Lab Sample ID: 180-171607-46 DU
Matrix: Water
Analysis Batch: 464359

Client Sample ID: DUP-02
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids Field Filtered	360			357		mg/L				1	10

HPLC/IC

Analysis Batch: 464012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171607-5	SW-2	Total/NA	Water	300.0	
MB 180-464012/48	Method Blank	Total/NA	Water	300.0	
LCS 180-464012/49	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 464187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171607-1	SW-1	Total/NA	Water	300.0	
180-171607-2	SW-1	Dissolved	Water	EPA 300.0 R2.1	
180-171607-3	SW-1	Total/NA	Water	300.0	
180-171607-4	SW-1	Dissolved	Water	EPA 300.0 R2.1	
180-171607-6	SW-2	Dissolved	Water	EPA 300.0 R2.1	
180-171607-7	SW-2	Total/NA	Water	300.0	
180-171607-8	SW-2	Dissolved	Water	EPA 300.0 R2.1	
180-171607-9	SW-3	Total/NA	Water	300.0	
180-171607-10	SW-3	Dissolved	Water	EPA 300.0 R2.1	
180-171607-11	SW-3	Total/NA	Water	300.0	
180-171607-11	SW-3	Total/NA	Water	300.0	
180-171607-12	SW-3	Dissolved	Water	EPA 300.0 R2.1	
180-171607-12	SW-3	Dissolved	Water	EPA 300.0 R2.1	
180-171607-13	SW-4	Total/NA	Water	300.0	
180-171607-14	SW-4	Dissolved	Water	EPA 300.0 R2.1	
180-171607-15	SW-5	Total/NA	Water	300.0	
180-171607-16	SW-5	Dissolved	Water	EPA 300.0 R2.1	
180-171607-17	SW-5	Total/NA	Water	300.0	
180-171607-18	SW-5	Dissolved	Water	EPA 300.0 R2.1	
180-171607-19	SW-6	Total/NA	Water	300.0	
180-171607-20	SW-6	Dissolved	Water	EPA 300.0 R2.1	
180-171607-21	SW-6	Total/NA	Water	300.0	
180-171607-22	SW-6	Dissolved	Water	EPA 300.0 R2.1	
180-171607-23	SW-9	Total/NA	Water	300.0	
180-171607-24	SW-9	Dissolved	Water	EPA 300.0 R2.1	
180-171607-25	SW-9	Total/NA	Water	300.0	
180-171607-26	SW-9	Dissolved	Water	EPA 300.0 R2.1	
180-171607-27	SW-10	Total/NA	Water	300.0	
180-171607-28	SW-10	Dissolved	Water	EPA 300.0 R2.1	
180-171607-29	SW-11	Total/NA	Water	300.0	
180-171607-30	SW-11	Dissolved	Water	EPA 300.0 R2.1	
MB 180-464187/45	Method Blank	Total/NA	Water	300.0	
MB 180-464187/6	Method Blank	Total/NA	Water	300.0	
LCS 180-464187/46	Lab Control Sample	Total/NA	Water	300.0	
LCS 180-464187/7	Lab Control Sample	Total/NA	Water	300.0	
180-171607-1 MS	SW-1	Total/NA	Water	300.0	
180-171607-1 MSD	SW-1	Total/NA	Water	300.0	
180-171607-6 MS	SW-2	Dissolved	Water	EPA 300.0 R2.1	
180-171607-6 MSD	SW-2	Dissolved	Water	EPA 300.0 R2.1	
180-171607-18 MS	SW-5	Dissolved	Water	EPA 300.0 R2.1	
180-171607-18 MSD	SW-5	Dissolved	Water	EPA 300.0 R2.1	
180-171607-28 MS	SW-10	Dissolved	Water	EPA 300.0 R2.1	
180-171607-28 MSD	SW-10	Dissolved	Water	EPA 300.0 R2.1	

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Analysis Batch: 464310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171607-31	SW-12	Total/NA	Water	300.0	
180-171607-32	SW-12	Dissolved	Water	EPA 300.0 R2.1	
180-171607-33	SW-13	Total/NA	Water	300.0	
180-171607-33	SW-13	Total/NA	Water	300.0	
180-171607-34	SW-13	Dissolved	Water	EPA 300.0 R2.1	
180-171607-35	SW-14	Total/NA	Water	300.0	
180-171607-36	SW-14	Dissolved	Water	EPA 300.0 R2.1	
180-171607-37	SW-15	Total/NA	Water	300.0	
180-171607-38	SW-15	Dissolved	Water	EPA 300.0 R2.1	
180-171607-39	SW-16	Total/NA	Water	300.0	
180-171607-40	SW-16	Dissolved	Water	EPA 300.0 R2.1	
MB 180-464310/44	Method Blank	Total/NA	Water	300.0	
LCS 180-464310/45	Lab Control Sample	Total/NA	Water	300.0	
180-171607-31 MS	SW-12	Total/NA	Water	300.0	
180-171607-31 MSD	SW-12	Total/NA	Water	300.0	

Analysis Batch: 464446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171607-34	SW-13	Dissolved	Water	EPA 300.0 R2.1	
180-171607-41	SW-17	Total/NA	Water	300.0	
180-171607-41	SW-17	Total/NA	Water	300.0	
180-171607-42	SW-17	Dissolved	Water	EPA 300.0 R2.1	
180-171607-42	SW-17	Dissolved	Water	EPA 300.0 R2.1	
180-171607-43	DUP-01	Total/NA	Water	300.0	
180-171607-44	DUP-01	Dissolved	Water	EPA 300.0 R2.1	
180-171607-45	DUP-02	Total/NA	Water	300.0	
180-171607-46	DUP-02	Dissolved	Water	EPA 300.0 R2.1	
180-171607-48	DUP-03	Dissolved	Water	EPA 300.0 R2.1	
180-171607-49	EB-01	Total/NA	Water	300.0	
180-171607-50	FB-01	Total/NA	Water	300.0	
180-171607-51	EB-02	Total/NA	Water	300.0	
180-171607-52	FB-02	Total/NA	Water	300.0	
180-171607-54	FB-03	Total/NA	Water	300.0	
MB 180-464446/6	Method Blank	Total/NA	Water	300.0	
LCS 180-464446/7	Lab Control Sample	Total/NA	Water	300.0	
180-171607-43 MS	DUP-01	Total/NA	Water	300.0	
180-171607-43 MSD	DUP-01	Total/NA	Water	300.0	
180-171607-48 MS	DUP-03	Dissolved	Water	EPA 300.0 R2.1	
180-171607-48 MSD	DUP-03	Dissolved	Water	EPA 300.0 R2.1	

Analysis Batch: 464603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171607-47	DUP-03	Total/NA	Water	300.0	
MB 180-464603/6	Method Blank	Total/NA	Water	300.0	
LCS 180-464603/7	Lab Control Sample	Total/NA	Water	300.0	

Metals

Prep Batch: 464062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171607-21	SW-6	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 464062 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171607-22	SW-6	Dissolved	Water	7470A	
180-171607-23	SW-9	Total/NA	Water	7470A	
180-171607-24	SW-9	Dissolved	Water	7470A	
180-171607-25	SW-9	Total/NA	Water	7470A	
180-171607-26	SW-9	Dissolved	Water	7470A	
180-171607-27	SW-10	Total/NA	Water	7470A	
180-171607-28	SW-10	Dissolved	Water	7470A	
180-171607-29	SW-11	Total/NA	Water	7470A	
180-171607-30	SW-11	Dissolved	Water	7470A	
180-171607-31	SW-12	Total/NA	Water	7470A	
180-171607-32	SW-12	Dissolved	Water	7470A	
180-171607-33	SW-13	Total/NA	Water	7470A	
180-171607-34	SW-13	Dissolved	Water	7470A	
180-171607-35	SW-14	Total/NA	Water	7470A	
180-171607-36	SW-14	Dissolved	Water	7470A	
180-171607-37	SW-15	Total/NA	Water	7470A	
180-171607-38	SW-15	Dissolved	Water	7470A	
180-171607-39	SW-16	Total/NA	Water	7470A	
180-171607-40	SW-16	Dissolved	Water	7470A	
MB 180-464062/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-464062/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-171607-21 MS	SW-6	Total/NA	Water	7470A	
180-171607-21 MSD	SW-6	Total/NA	Water	7470A	

Prep Batch: 464077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171607-1	SW-1	Total/NA	Water	7470A	
180-171607-2	SW-1	Dissolved	Water	7470A	
180-171607-3	SW-1	Total/NA	Water	7470A	
180-171607-4	SW-1	Dissolved	Water	7470A	
180-171607-5	SW-2	Total/NA	Water	7470A	
180-171607-6	SW-2	Dissolved	Water	7470A	
180-171607-7	SW-2	Total/NA	Water	7470A	
180-171607-8	SW-2	Dissolved	Water	7470A	
180-171607-9	SW-3	Total/NA	Water	7470A	
180-171607-10	SW-3	Dissolved	Water	7470A	
180-171607-11	SW-3	Total/NA	Water	7470A	
180-171607-12	SW-3	Dissolved	Water	7470A	
180-171607-13	SW-4	Total/NA	Water	7470A	
180-171607-14	SW-4	Dissolved	Water	7470A	
180-171607-15	SW-5	Total/NA	Water	7470A	
180-171607-16	SW-5	Dissolved	Water	7470A	
180-171607-17	SW-5	Total/NA	Water	7470A	
MB 180-464077/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-464077/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-171607-1 MS	SW-1	Total/NA	Water	7470A	
180-171607-1 MSD	SW-1	Total/NA	Water	7470A	

Prep Batch: 464080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171607-18	SW-5	Dissolved	Water	7470A	

Metals (Continued)

Prep Batch: 464080 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171607-19	SW-6	Total/NA	Water	7470A	
180-171607-20	SW-6	Dissolved	Water	7470A	
180-171607-41	SW-17	Total/NA	Water	7470A	
180-171607-42	SW-17	Dissolved	Water	7470A	
180-171607-43	DUP-01	Total/NA	Water	7470A	
180-171607-44	DUP-01	Dissolved	Water	7470A	
180-171607-45	DUP-02	Total/NA	Water	7470A	
180-171607-46	DUP-02	Dissolved	Water	7470A	
180-171607-47	DUP-03	Total/NA	Water	7470A	
180-171607-48	DUP-03	Dissolved	Water	7470A	
180-171607-49	EB-01	Total/NA	Water	7470A	
180-171607-50	FB-01	Total/NA	Water	7470A	
180-171607-51	EB-02	Total/NA	Water	7470A	
180-171607-52	FB-02	Total/NA	Water	7470A	
180-171607-53	EB-03	Total/NA	Water	7470A	
180-171607-54	FB-03	Total/NA	Water	7470A	
MB 180-464080/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-464080/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-171607-41 MS	SW-17	Total/NA	Water	7470A	
180-171607-41 MSD	SW-17	Total/NA	Water	7470A	

Prep Batch: 464181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171607-1	SW-1	Total Recoverable	Water	3005A	
180-171607-2	SW-1	Dissolved	Water	3005A	
180-171607-3	SW-1	Total Recoverable	Water	3005A	
180-171607-4	SW-1	Dissolved	Water	3005A	
180-171607-5	SW-2	Total Recoverable	Water	3005A	
180-171607-6	SW-2	Dissolved	Water	3005A	
180-171607-7	SW-2	Total Recoverable	Water	3005A	
180-171607-8	SW-2	Dissolved	Water	3005A	
180-171607-9	SW-3	Total Recoverable	Water	3005A	
180-171607-10	SW-3	Dissolved	Water	3005A	
180-171607-11	SW-3	Total Recoverable	Water	3005A	
180-171607-12	SW-3	Dissolved	Water	3005A	
MB 180-464181/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-464181/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 464183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171607-13	SW-4	Total Recoverable	Water	3005A	
180-171607-14	SW-4	Dissolved	Water	3005A	
180-171607-15	SW-5	Total Recoverable	Water	3005A	
180-171607-16	SW-5	Dissolved	Water	3005A	
180-171607-17	SW-5	Total Recoverable	Water	3005A	
180-171607-18	SW-5	Dissolved	Water	3005A	
180-171607-19	SW-6	Total Recoverable	Water	3005A	
180-171607-20	SW-6	Dissolved	Water	3005A	
180-171607-21	SW-6	Total Recoverable	Water	3005A	
180-171607-22	SW-6	Dissolved	Water	3005A	
180-171607-23	SW-9	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 464183 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171607-24	SW-9	Dissolved	Water	3005A	
180-171607-25	SW-9	Total Recoverable	Water	3005A	
180-171607-26	SW-9	Dissolved	Water	3005A	
180-171607-27	SW-10	Total Recoverable	Water	3005A	
180-171607-28	SW-10	Dissolved	Water	3005A	
180-171607-29	SW-11	Total Recoverable	Water	3005A	
180-171607-30	SW-11	Dissolved	Water	3005A	
180-171607-31	SW-12	Total Recoverable	Water	3005A	
180-171607-32	SW-12	Dissolved	Water	3005A	
MB 180-464183/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-464183/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-171607-13 MS	SW-4	Total Recoverable	Water	3005A	
180-171607-13 MSD	SW-4	Total Recoverable	Water	3005A	

Prep Batch: 464319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171607-33	SW-13	Total Recoverable	Water	3005A	
180-171607-34	SW-13	Dissolved	Water	3005A	
180-171607-35	SW-14	Total Recoverable	Water	3005A	
180-171607-36	SW-14	Dissolved	Water	3005A	
180-171607-37	SW-15	Total Recoverable	Water	3005A	
180-171607-38	SW-15	Dissolved	Water	3005A	
180-171607-39	SW-16	Total Recoverable	Water	3005A	
180-171607-40	SW-16	Dissolved	Water	3005A	
180-171607-41	SW-17	Total Recoverable	Water	3005A	
180-171607-42	SW-17	Dissolved	Water	3005A	
180-171607-43	DUP-01	Total Recoverable	Water	3005A	
180-171607-44	DUP-01	Dissolved	Water	3005A	
180-171607-45	DUP-02	Total Recoverable	Water	3005A	
180-171607-46	DUP-02	Dissolved	Water	3005A	
180-171607-47	DUP-03	Total Recoverable	Water	3005A	
180-171607-48	DUP-03	Dissolved	Water	3005A	
180-171607-49	EB-01	Total Recoverable	Water	3005A	
180-171607-50	FB-01	Total Recoverable	Water	3005A	
MB 180-464319/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-464319/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 464320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171607-51	EB-02	Total Recoverable	Water	3005A	
180-171607-52	FB-02	Total Recoverable	Water	3005A	
180-171607-53	EB-03	Total Recoverable	Water	3005A	
180-171607-54	FB-03	Total Recoverable	Water	3005A	
MB 180-464320/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-464320/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 464440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171607-13	SW-4	Total Recoverable	Water	EPA 6020B	464183
180-171607-14	SW-4	Dissolved	Water	EPA 6020B	464183
180-171607-15	SW-5	Total Recoverable	Water	EPA 6020B	464183

Metals (Continued)

Analysis Batch: 464440 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171607-16	SW-5	Dissolved	Water	EPA 6020B	464183
180-171607-17	SW-5	Total Recoverable	Water	EPA 6020B	464183
180-171607-18	SW-5	Dissolved	Water	EPA 6020B	464183
180-171607-19	SW-6	Total Recoverable	Water	EPA 6020B	464183
180-171607-20	SW-6	Dissolved	Water	EPA 6020B	464183
180-171607-21	SW-6	Total Recoverable	Water	EPA 6020B	464183
180-171607-22	SW-6	Dissolved	Water	EPA 6020B	464183
180-171607-23	SW-9	Total Recoverable	Water	EPA 6020B	464183
180-171607-24	SW-9	Dissolved	Water	EPA 6020B	464183
180-171607-25	SW-9	Total Recoverable	Water	EPA 6020B	464183
180-171607-26	SW-9	Dissolved	Water	EPA 6020B	464183
180-171607-27	SW-10	Total Recoverable	Water	EPA 6020B	464183
180-171607-28	SW-10	Dissolved	Water	EPA 6020B	464183
180-171607-29	SW-11	Total Recoverable	Water	EPA 6020B	464183
180-171607-30	SW-11	Dissolved	Water	EPA 6020B	464183
180-171607-31	SW-12	Total Recoverable	Water	EPA 6020B	464183
180-171607-32	SW-12	Dissolved	Water	EPA 6020B	464183
180-171607-33	SW-13	Total Recoverable	Water	EPA 6020B	464319
180-171607-34	SW-13	Dissolved	Water	EPA 6020B	464319
180-171607-35	SW-14	Total Recoverable	Water	EPA 6020B	464319
180-171607-36	SW-14	Dissolved	Water	EPA 6020B	464319
180-171607-37	SW-15	Total Recoverable	Water	EPA 6020B	464319
180-171607-38	SW-15	Dissolved	Water	EPA 6020B	464319
180-171607-39	SW-16	Total Recoverable	Water	EPA 6020B	464319
180-171607-40	SW-16	Dissolved	Water	EPA 6020B	464319
180-171607-41	SW-17	Total Recoverable	Water	EPA 6020B	464319
180-171607-42	SW-17	Dissolved	Water	EPA 6020B	464319
180-171607-43	DUP-01	Total Recoverable	Water	EPA 6020B	464319
180-171607-44	DUP-01	Dissolved	Water	EPA 6020B	464319
180-171607-45	DUP-02	Total Recoverable	Water	EPA 6020B	464319
180-171607-46	DUP-02	Dissolved	Water	EPA 6020B	464319
180-171607-47	DUP-03	Total Recoverable	Water	EPA 6020B	464319
180-171607-48	DUP-03	Dissolved	Water	EPA 6020B	464319
180-171607-49	EB-01	Total Recoverable	Water	EPA 6020B	464319
180-171607-50	FB-01	Total Recoverable	Water	EPA 6020B	464319
MB 180-464183/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	464183
MB 180-464319/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	464319
LCS 180-464183/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	464183
LCS 180-464319/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	464319
180-171607-13 MS	SW-4	Total Recoverable	Water	EPA 6020B	464183
180-171607-13 MSD	SW-4	Total Recoverable	Water	EPA 6020B	464183

Analysis Batch: 464464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171607-1	SW-1	Total Recoverable	Water	EPA 6020B	464181
180-171607-2	SW-1	Dissolved	Water	EPA 6020B	464181
180-171607-3	SW-1	Total Recoverable	Water	EPA 6020B	464181
180-171607-4	SW-1	Dissolved	Water	EPA 6020B	464181
180-171607-5	SW-2	Total Recoverable	Water	EPA 6020B	464181
180-171607-6	SW-2	Dissolved	Water	EPA 6020B	464181
180-171607-7	SW-2	Total Recoverable	Water	EPA 6020B	464181

Metals (Continued)

Analysis Batch: 464464 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171607-8	SW-2	Dissolved	Water	EPA 6020B	464181
180-171607-9	SW-3	Total Recoverable	Water	EPA 6020B	464181
180-171607-10	SW-3	Dissolved	Water	EPA 6020B	464181
180-171607-11	SW-3	Total Recoverable	Water	EPA 6020B	464181
180-171607-12	SW-3	Dissolved	Water	EPA 6020B	464181
MB 180-464181/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	464181
LCS 180-464181/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	464181

Analysis Batch: 464505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171607-1	SW-1	Total/NA	Water	EPA 7470A	464077
180-171607-2	SW-1	Dissolved	Water	EPA 7470A	464077
180-171607-3	SW-1	Total/NA	Water	EPA 7470A	464077
180-171607-4	SW-1	Dissolved	Water	EPA 7470A	464077
180-171607-5	SW-2	Total/NA	Water	EPA 7470A	464077
180-171607-6	SW-2	Dissolved	Water	EPA 7470A	464077
180-171607-7	SW-2	Total/NA	Water	EPA 7470A	464077
180-171607-8	SW-2	Dissolved	Water	EPA 7470A	464077
180-171607-9	SW-3	Total/NA	Water	EPA 7470A	464077
180-171607-10	SW-3	Dissolved	Water	EPA 7470A	464077
180-171607-11	SW-3	Total/NA	Water	EPA 7470A	464077
180-171607-12	SW-3	Dissolved	Water	EPA 7470A	464077
180-171607-13	SW-4	Total/NA	Water	EPA 7470A	464077
180-171607-14	SW-4	Dissolved	Water	EPA 7470A	464077
180-171607-15	SW-5	Total/NA	Water	EPA 7470A	464077
180-171607-16	SW-5	Dissolved	Water	EPA 7470A	464077
180-171607-17	SW-5	Total/NA	Water	EPA 7470A	464077
180-171607-18	SW-5	Dissolved	Water	EPA 7470A	464080
180-171607-19	SW-6	Total/NA	Water	EPA 7470A	464080
180-171607-20	SW-6	Dissolved	Water	EPA 7470A	464080
180-171607-21	SW-6	Total/NA	Water	EPA 7470A	464062
180-171607-22	SW-6	Dissolved	Water	EPA 7470A	464062
180-171607-23	SW-9	Total/NA	Water	EPA 7470A	464062
180-171607-24	SW-9	Dissolved	Water	EPA 7470A	464062
180-171607-25	SW-9	Total/NA	Water	EPA 7470A	464062
180-171607-26	SW-9	Dissolved	Water	EPA 7470A	464062
180-171607-27	SW-10	Total/NA	Water	EPA 7470A	464062
180-171607-28	SW-10	Dissolved	Water	EPA 7470A	464062
180-171607-29	SW-11	Total/NA	Water	EPA 7470A	464062
180-171607-30	SW-11	Dissolved	Water	EPA 7470A	464062
180-171607-31	SW-12	Total/NA	Water	EPA 7470A	464062
180-171607-32	SW-12	Dissolved	Water	EPA 7470A	464062
180-171607-33	SW-13	Total/NA	Water	EPA 7470A	464062
180-171607-34	SW-13	Dissolved	Water	EPA 7470A	464062
180-171607-35	SW-14	Total/NA	Water	EPA 7470A	464062
180-171607-36	SW-14	Dissolved	Water	EPA 7470A	464062
180-171607-37	SW-15	Total/NA	Water	EPA 7470A	464062
180-171607-38	SW-15	Dissolved	Water	EPA 7470A	464062
180-171607-39	SW-16	Total/NA	Water	EPA 7470A	464062
180-171607-40	SW-16	Dissolved	Water	EPA 7470A	464062
180-171607-41	SW-17	Total/NA	Water	EPA 7470A	464080

Metals (Continued)

Analysis Batch: 464505 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171607-42	SW-17	Dissolved	Water	EPA 7470A	464080
180-171607-43	DUP-01	Total/NA	Water	EPA 7470A	464080
180-171607-44	DUP-01	Dissolved	Water	EPA 7470A	464080
180-171607-45	DUP-02	Total/NA	Water	EPA 7470A	464080
180-171607-46	DUP-02	Dissolved	Water	EPA 7470A	464080
180-171607-47	DUP-03	Total/NA	Water	EPA 7470A	464080
180-171607-48	DUP-03	Dissolved	Water	EPA 7470A	464080
180-171607-49	EB-01	Total/NA	Water	EPA 7470A	464080
180-171607-50	FB-01	Total/NA	Water	EPA 7470A	464080
180-171607-51	EB-02	Total/NA	Water	EPA 7470A	464080
180-171607-52	FB-02	Total/NA	Water	EPA 7470A	464080
180-171607-53	EB-03	Total/NA	Water	EPA 7470A	464080
180-171607-54	FB-03	Total/NA	Water	EPA 7470A	464080
MB 180-464062/1-A	Method Blank	Total/NA	Water	EPA 7470A	464062
MB 180-464077/1-A	Method Blank	Total/NA	Water	EPA 7470A	464077
MB 180-464080/1-A	Method Blank	Total/NA	Water	EPA 7470A	464080
LCS 180-464062/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	464062
LCS 180-464077/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	464077
LCS 180-464080/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	464080
180-171607-1 MS	SW-1	Total/NA	Water	EPA 7470A	464077
180-171607-1 MSD	SW-1	Total/NA	Water	EPA 7470A	464077
180-171607-21 MS	SW-6	Total/NA	Water	EPA 7470A	464062
180-171607-21 MSD	SW-6	Total/NA	Water	EPA 7470A	464062
180-171607-41 MS	SW-17	Total/NA	Water	EPA 7470A	464080
180-171607-41 MSD	SW-17	Total/NA	Water	EPA 7470A	464080

Analysis Batch: 464597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171607-51	EB-02	Total Recoverable	Water	EPA 6020B	464320
180-171607-52	FB-02	Total Recoverable	Water	EPA 6020B	464320
180-171607-53	EB-03	Total Recoverable	Water	EPA 6020B	464320
180-171607-54	FB-03	Total Recoverable	Water	EPA 6020B	464320
MB 180-464320/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	464320
LCS 180-464320/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	464320

Analysis Batch: 464598

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171607-1	SW-1	Total Recoverable	Water	EPA 6020B	464181
180-171607-4	SW-1	Dissolved	Water	EPA 6020B	464181
180-171607-5	SW-2	Total Recoverable	Water	EPA 6020B	464181
180-171607-6	SW-2	Dissolved	Water	EPA 6020B	464181
LCS 180-464181/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	464181

Analysis Batch: 465200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171607-2	SW-1	Dissolved	Water	EPA 6020B	464181
180-171607-3	SW-1	Total Recoverable	Water	EPA 6020B	464181

General Chemistry

Analysis Batch: 464118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171607-1	SW-1	Total/NA	Water	SM 2540C	
180-171607-2	SW-1	Dissolved	Water	SM 2540C	
MB 180-464118/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-464118/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 464119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171607-3	SW-1	Total/NA	Water	SM 2540C	
180-171607-4	SW-1	Dissolved	Water	SM 2540C	
180-171607-5	SW-2	Total/NA	Water	SM 2540C	
MB 180-464119/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-464119/2	Lab Control Sample	Total/NA	Water	SM 2540C	
180-171607-3 DU	SW-1	Total/NA	Water	SM 2540C	

Analysis Batch: 464253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171607-6	SW-2	Dissolved	Water	SM 2540C	
180-171607-7	SW-2	Total/NA	Water	SM 2540C	
180-171607-8	SW-2	Dissolved	Water	SM 2540C	
180-171607-9	SW-3	Total/NA	Water	SM 2540C	
180-171607-10	SW-3	Dissolved	Water	SM 2540C	
180-171607-11	SW-3	Total/NA	Water	SM 2540C	
180-171607-12	SW-3	Dissolved	Water	SM 2540C	
180-171607-13	SW-4	Total/NA	Water	SM 2540C	
180-171607-14	SW-4	Dissolved	Water	SM 2540C	
180-171607-15	SW-5	Total/NA	Water	SM 2540C	
180-171607-16	SW-5	Dissolved	Water	SM 2540C	
180-171607-17	SW-5	Total/NA	Water	SM 2540C	
180-171607-18	SW-5	Dissolved	Water	SM 2540C	
180-171607-19	SW-6	Total/NA	Water	SM 2540C	
180-171607-20	SW-6	Dissolved	Water	SM 2540C	
180-171607-21	SW-6	Total/NA	Water	SM 2540C	
180-171607-22	SW-6	Dissolved	Water	SM 2540C	
180-171607-23	SW-9	Total/NA	Water	SM 2540C	
180-171607-24	SW-9	Dissolved	Water	SM 2540C	
180-171607-25	SW-9	Total/NA	Water	SM 2540C	
MB 180-464253/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-464253/2	Lab Control Sample	Total/NA	Water	SM 2540C	
180-171607-6 DU	SW-2	Dissolved	Water	SM 2540C	
180-171607-19 DU	SW-6	Total/NA	Water	SM 2540C	

Analysis Batch: 464254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171607-26	SW-9	Dissolved	Water	SM 2540C	
180-171607-27	SW-10	Total/NA	Water	SM 2540C	
180-171607-28	SW-10	Dissolved	Water	SM 2540C	
180-171607-29	SW-11	Total/NA	Water	SM 2540C	
180-171607-30	SW-11	Dissolved	Water	SM 2540C	
180-171607-31	SW-12	Total/NA	Water	SM 2540C	
180-171607-32	SW-12	Dissolved	Water	SM 2540C	
180-171607-33	SW-13	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 464254 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171607-34	SW-13	Dissolved	Water	SM 2540C	
180-171607-35	SW-14	Total/NA	Water	SM 2540C	
180-171607-36	SW-14	Dissolved	Water	SM 2540C	
180-171607-37	SW-15	Total/NA	Water	SM 2540C	
180-171607-38	SW-15	Dissolved	Water	SM 2540C	
180-171607-39	SW-16	Total/NA	Water	SM 2540C	
180-171607-40	SW-16	Dissolved	Water	SM 2540C	
180-171607-41	SW-17	Total/NA	Water	SM 2540C	
180-171607-42	SW-17	Dissolved	Water	SM 2540C	
180-171607-43	DUP-01	Total/NA	Water	SM 2540C	
180-171607-44	DUP-01	Dissolved	Water	SM 2540C	
180-171607-45	DUP-02	Total/NA	Water	SM 2540C	
MB 180-464254/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-464254/2	Lab Control Sample	Total/NA	Water	SM 2540C	
180-171607-26 DU	SW-9	Dissolved	Water	SM 2540C	
180-171607-36 DU	SW-14	Dissolved	Water	SM 2540C	

Analysis Batch: 464359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171607-46	DUP-02	Dissolved	Water	SM 2540C	
180-171607-47	DUP-03	Total/NA	Water	SM 2540C	
180-171607-48	DUP-03	Dissolved	Water	SM 2540C	
180-171607-49	EB-01	Total/NA	Water	SM 2540C	
180-171607-50	FB-01	Total/NA	Water	SM 2540C	
180-171607-51	EB-02	Total/NA	Water	SM 2540C	
180-171607-52	FB-02	Total/NA	Water	SM 2540C	
180-171607-54	FB-03	Total/NA	Water	SM 2540C	
MB 180-464359/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-464359/2	Lab Control Sample	Total/NA	Water	SM 2540C	
180-171607-46 DU	DUP-02	Dissolved	Water	SM 2540C	
180-171607-47 DU	DUP-03	Total/NA	Water	SM 2540C	

Field Service / Mobile Lab

Analysis Batch: 464948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171607-1	SW-1	Total/NA	Water	Field Sampling	
180-171607-3	SW-1	Total/NA	Water	Field Sampling	
180-171607-5	SW-2	Total/NA	Water	Field Sampling	
180-171607-7	SW-2	Total/NA	Water	Field Sampling	
180-171607-9	SW-3	Total/NA	Water	Field Sampling	
180-171607-11	SW-3	Total/NA	Water	Field Sampling	
180-171607-13	SW-4	Total/NA	Water	Field Sampling	
180-171607-15	SW-5	Total/NA	Water	Field Sampling	
180-171607-17	SW-5	Total/NA	Water	Field Sampling	
180-171607-19	SW-6	Total/NA	Water	Field Sampling	
180-171607-21	SW-6	Total/NA	Water	Field Sampling	
180-171607-23	SW-9	Total/NA	Water	Field Sampling	
180-171607-25	SW-9	Total/NA	Water	Field Sampling	
180-171607-27	SW-10	Total/NA	Water	Field Sampling	
180-171607-29	SW-11	Total/NA	Water	Field Sampling	

Field Service / Mobile Lab (Continued)

Analysis Batch: 464948 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171607-31	SW-12	Total/NA	Water	Field Sampling	
180-171607-33	SW-13	Total/NA	Water	Field Sampling	
180-171607-35	SW-14	Total/NA	Water	Field Sampling	
180-171607-37	SW-15	Total/NA	Water	Field Sampling	
180-171607-39	SW-16	Total/NA	Water	Field Sampling	
180-171607-41	SW-17	Total/NA	Water	Field Sampling	
180-171607-43	DUP-01	Total/NA	Water	Field Sampling	
180-171607-45	DUP-02	Total/NA	Water	Field Sampling	
180-171607-47	DUP-03	Total/NA	Water	Field Sampling	

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Rick Hagendorfer / Todd Voreis / Keith Krisman	Lab PM: Brown, Shali	Carrier Tracking No(s)	COC No.
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: Page 1 of 5
Company: SCS				Job #:

Address	Due Date Requested:
3535 Colonnade Pkwy Bin S 530 EC	
City: Birmingham	TAT Requested (days):
State, Zip: Alabama	
Phone: 205 992 6283	PO #:
Email: SCS Contacts Trey Singleton / Annelyse Helms	WO #:
Project Name: Watson Surfacewater	Project #: 18020186
Site:	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissolved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined	****Dissolved Samples are Field Filtered****	Total Number of containers	Special Instructions/Note:
			Preservation Code:														
SW-1	3-27-24	1835	G	W	NO		X	X	X	X						5	Depth-1'
SW-1	3-27-24	1858	G	W	YES						X	X	X	X		5	Depth-1'
SW-1	3-27-24	1808	G	W	NO		X	X	X	X						5	Depth-7'
SW-1	3-27-24	1822	G	W	YES						X	X	X	X		5	Depth-7'
SW-2	3-27-24	1738	G	W	NO		X	X	X	X						5	Depth-1'
SW-2	3-27-24	1750	G	W	YES						X	X	X	X		5	Depth-1'
SW-2	3-27-24	1710	G	W	NO		X	X	X	X						5	Depth-7'
SW-2	3-27-24	1725	G	W	YES						X	X	X	X		5	Depth-7'
SW-3	3-27-24	1002	G	W	NO		X	X	X	X						5	Depth-1'
SW-3	3-27-24	1017	G	W	YES						X	X	X	X		5	Depth-1'
SW-3	3-27-24	1030	G	W	NO		X	X	X	X						5	Depth-4'

180-171607 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	3-28-24 1415	RDM		03/29/24 0925	EPIHNE
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: △ Yes △ No | Custody Seal No : | Cooler Temperature(s) °C and Other Remarks

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Rick Hagendorfer / Josh Voreis / Keith Krisman	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset com		Page: Page 2 of 5
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: Alabama				
Phone: 205.992 6283	PO #:			
Email: SCS Contacts - Trey Singleton / Anmelyse Helms	WO #:			
Project Name: Watson Surfacewater	Project #: 18020186			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissolved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined	****Dissolved Samples are Field Filtered****	Total Number of containers	Special Instructions/Note:
			Preservation Code:														
SW-3	3-27-24	1040	G	W	YES						X	X	X	X		5	Depth-4'
SW-4	3-27-24	0838	G	W	NO		X	X	X	X						5	Depth-1'5"
SW-4	3-27-24	0858	G	W	YES						X	X	X	X		5	Depth-1'5"
SW-5	3-27-24	0840	G	W	NO		X	X	X	X						5	Depth-1'
SW-5	3-27-24	0857	G	W	YES						X	X	X	X		5	Depth 1'
SW-5	3-27-24	0811	G	W	NO		X	X	X	X						5	Depth-13'
SW-5	3-27-24	0822	G	W	YES						X	X	X	X		5	Depth-13'
SW-6	3-27-24	1017	G	W	NO		X	X	X	X						5	Depth-1'
SW-6	3-27-24	1029	G	W	YES						X	X	X	X		5	Depth-1'
SW-6	3-27-24	0942	G	W	NO		X	X	X	X						5	Depth 4'5"
SW-6	3-27-24	1000	G	W	YES						X	X	X	X		5	Depth 4'5"

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company
	3-28 24 1415	ROH ENV		03/29/24 0925	EP:HNE
Relinquished by:	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks

Ver. 01/16/2019

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Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Rick Hegenbarth / Todd Voras / Keith Krisman	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
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City: Birmingham	TAT Requested (days):			
State, Zip: Alabama				
Phone: 205 992 6283	PO #:			
Email: SCS Contacts - Trey Singleton / Annelyse Helms	WO #:			
Project Name: Watson Surfacewater	Project #: 18020186			
Site	SSOW#:			

Analysis Requested

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Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissolved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined	***Dissolved Samples are Field Filtered****	Total Number of containers	Special Instructions/Note:
			Preservation Code:														
SW-9	3-27-24	1057	G	W	NO		X	X	X	X						5	Depth-1'
SW-9	3-27-24	1110	G	W	YES						X	X	X	X		5	Depth-1'
SW-9	3-27-24	1123	G	W	NO		X	X	X	X						5	Depth-4'
SW-9	3-27-24	1135	G	W	YES						X	X	X	X		5	Depth-4'
SW-10	3-27-24	1159	G	W	NO		X	X	X	X						5	Depth-2'
SW-10	3-27-24	1210	G	W	YES						X	X	X	X		5	Depth-2'
SW-11	3-27-24	1230	G	W	NO		X	X	X	X						5	Depth-1'
SW-11	3-27-24	1245	G	W	YES						X	X	X	X		5	Depth-1'
SW-12	3-27-24	1308	G	W	NO		X	X	X	X						5	Depth-1'
SW-12	3-27-24	1332	G	W	YES						X	X	X	X		5	Depth-1'
SW-13	3-27-24	1238	G	W	NO		X	X	X	X						5	Depth-1'5"

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time:	Method of Shipment:

Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
	3-28-24 1415	ROHEM		03/29/24 0925	EPHNC
Relinquished by:	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by	Date/Time.	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks

Ver. 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Kirk Hagendorfer / Todd Vorcis / Keith Krisman	Lab PM: Brown, Shali	Carrier Tracking No(s):
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com	COC No:
Company: SCS			Page: Page 4 of ~~X~~ 5 RDH
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:		Job #:
City: Birmingham	TAT Requested (days):		
State, Zip: Alabama			
Phone: 205.992.6283	PO #:		
Email: SCS Contacts - Trey Singleton / Annelyse Helms	WO #:		
Project Name: Watson Surfacewater	Project #: 18020186		
Site:	SSOW#:		

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Analysis Requested

Analysis columns: (A) Total 6020 Spp III & IV Custom 14 + Mercury; (B) 2540C Total Dissolved Solids; (C) 300 Chloride Fluoride Sulfate; (D) Total Radium 226/228 + Combined; (E) * Dissoved 6020 Spp III & IV Custom 14 + Mercury; (F) * 2540C Total Dissolved Solids (Field Filtered); (G) * 300 Chloride Fluoride Sulfate (Field Filtered); (H) * Dissolved Radium 226/228 + Combined; ****Dissolved Samples are Field Filtered****

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	A	B	C	D	E	F	G	H	Total Number of containers	Special Instructions/Note
			Preservation Code:													
SW-13	3-27-24	1250	G	W	YES						X	X	X	X	5	Depth - 1'5"
SW-14	3-27-24	1338	G	W	NO		X	X	X	X					5	Depth - 1'5"
SW-14	3-27-24	1358 ~~2~~ RDH 3-28-24	G	W	YES						X	X	X	X	5	Depth - 1'5"
SW-15	3-27-24	1424	G	W	NO		X	X	X	X					5	Depth - 1'5"
SW-15	3-27-24	1440	G	W	YES						X	X	X	X	5	Depth - 1'5"
SW-16	3-27-24	1511	G	W	NO		X	X	X	X					5	Depth - 1'5"
SW-16	3-27-24	1528	G	W	YES						X	X	X	X	5	Depth - 1'5"
SW-17	3-27-24	1145	G	W	NO		X	X	X	X					5	Depth - 1'
SW-17	3-27-24	1201	G	W	YES						X	X	X	X	5	Depth - 1'
DUP-01	3-27-24	1208 ~~1735~~ RDH	G	W	NO		X	X	X	X					5	Depth - 1'
DUP-01	3-27-24	~~1758~~ 1232 RDH	G	W	YES						X	X	X	X	6	Depth - 1'

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date:	Time:	Method of Shipment:		
Relinquished by: [signature]	Date/Time: 3-28-24 1415	Company: RDH EM,	Received by: [signature]	Date/Time: 03/29/24 0925	Company: EPI-HNE
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks		

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Rick Hagendorfer / TODD VORHIS / Keith Krisman	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: Page 5 of 5
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: Alabama				
Phone: 205 992 6283	PO #:			
Email: SCS Contacts - Trey Singleton / Annelyse Helms	WO #:			
Project Name: Watson Surfacewater	Project #: 18020186			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissolved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined	****Dissolved Samples are Field Filtered****	Total Number of containers	Special Instructions/Note:
			Preservation Code:														
Dup-02	3-27-24	0739	G	W	NO		X	X	X	X						5	Depth-1'5"
Dup-02	3-27-24	0758	G	W	YES						X	X	X	X		5	Depth-1'5"
Dup-03	3-27-24	1735	G	W	NO		X	X	X	X						5	Depth-1'
Dup-03	3-27-24	1758	G	W	YES						X	X	X	X		5	Depth-1'
EB-01	3-27-24	0736	G	W	NO		X	X	X	X						5	
FB-01	3-27-24	0727	G	W	NO		X	X	X	X						5	
EB-02	3-27-24	1700	G	W	NO		X	X	X	X						5	
FB-02	3-27-24	1650	G	W	NO		X	X	X	X						5	
EB-03	3-27-24	1759	G	W	NO		X	X	X	X						5	
FB-03	3-27-24	1747	G	W	NO		X	X	X	X						5	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	3-28-24 1415	ADHEN.		03/29/24 0925	EA-HNE
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks

Ver: 01/16/2019

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone 412-963-7058 Fax 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Brown, Shali	Carrier Tracking No(s)	COC No: 180-510719 1
Client Contact: Shipping/Receiving	Phone	E-Mail: Shali Brown@et eurofinsus com	State of Origin: Georgia	Page: Page 1 of 6
Company: TestAmerica Laboratories, Inc		Accreditations Required (See note)		Job #: 180-171607-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 5/2/2024			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email	WO #:			
Project Name: Plant Watson AP Surfacewater	Project #: 18020186			
Site	SSOW#:			

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	9315_Ra226/FIELD_FLTRD Radium 226 (Field Filtered)	9320_Ra228/FIELD_FLTRD Radium 228 (Field Filtered)	RA226_228GPFC_D/FIELD_FLTRD (MOD) Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
SW-1 (180-171607-1)	3/27/24	18.35 Eastern		Water			X	X	X				2	
SW-1 (180-171607-2)	3/27/24	18 58 Eastern		Water						X	X	X	2	
SW-1 (180-171607-3)	3/27/24	18 08 Eastern		Water			X	X	X				2	
SW-1 (180-171607-4)	3/27/24	18 22 Eastern		Water						X	X	X	2	
SW-2 (180-171607-5)	3/27/24	17 38 Eastern		Water			X	X	X				2	
SW-2 (180-171607-6)	3/27/24	17 50 Eastern		Water						X	X	X	2	
SW-2 (180-171607-7)	3/27/24	17 10 Eastern		Water			X	X	X				2	
SW-2 (180-171607-8)	3/27/24	17 25 Eastern		Water						X	X	X	2	
SW-3 (180-171607-9)	3/27/24	10 02 Eastern		Water			X	X	X				2	

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA

M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

Note Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ________ *Months*

Deliverable Requested I, II, III, IV, Other (specify) — Primary Deliverable Rank. 2

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:		
Relinquished by: [signature]	Date/Time: 4-1-24 1700	Company: [signature]	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Custody Seals Intact Δ Yes Δ No	Custody Seal No..		Cooler Temperature(s) °C and Other Remarks		

Ver: 06/08/2021

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone 412-963-7058 Fax 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM: Brown, Shali	Carrier Tracking No(s)	COC No: 180-510719 2
Client Contact: Shipping/Receiving	Phone	E-Mail: Shali Brown@et eurofinsus com	State of Origin: Georgia	Page: Page 2 of 6
Company: TestAmerica Laboratories, Inc		Accreditations Required (See note)		Job #: 180-171607-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 5/2/2024			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email	WO #:			
Project Name: Plant Watson AP Surfacewater	Project #: 18020186			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	9315_Ra226/FIELD_FLTRD Radium 226 (Field Filtered)	9320_Ra228/FIELD_FLTRD Radium 228 (Field Filtered)	RA226_228GPFC_D/FIELD_FLTRD (MOD) Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
SW-3 (180-171607-10)	3/27/24	10 17 Eastern		Water						X	X	X	2	
SW-3 (180-171607-11)	3/27/24	10 30 Eastern		Water			X	X	X				2	
SW-3 (180-171607-12)	3/27/24	10 40 Eastern		Water						X	X	X	2	
SW-4 (180-171607-13)	3/27/24	08 38 Eastern		Water			X	X	X				2	
SW-4 (180-171607-14)	3/27/24	08 58 Eastern		Water						X	X	X	2	
SW-5 (180-171607-15)	3/27/24	08.40 Eastern		Water			X	X	X				2	
SW-5 (180-171607-16)	3/27/24	08 57 Eastern		Water						X	X	X	2	
SW-5 (180-171607-17)	3/27/24	08 11 Eastern		Water			X	X	X				2	
SW-5 (180-171607-18)	3/27/24	08 22 Eastern		Water						X	X	X	2	

Note Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by:	Date/Time: 4-1-24 1700	Company: EPI/ME	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Ver: 06/08/2021

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone 412-963-7058 Fax 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM: Brown, Shali	Carrier Tracking No(s)	COC No: 180-510719 3
Client Contact: Shipping/Receiving	Phone	E-Mail: Shali Brown@et eurofinsus com	State of Origin: Georgia	Page: Page 3 of 6
Company: TestAmerica Laboratories, Inc		Accreditations Required (See note)		Job #: 180-171607-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 5/2/2024			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email	WO #:			
Project Name: Plant Watson AP Surfacewater	Project #: 18020186			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	9315_Ra226/FIELD_FLTRD Radium 226 (Field Filtered)	9320_Ra228/FIELD_FLTRD Radium 228 (Field Filtered)	RA226_228GPFC_D/FIELD_FLTRD (MOD) Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
SW-6 (180-171607-19)	3/27/24	10 17 Eastern		Water			X	X	X				2	
SW-6 (180-171607-20)	3/27/24	10 29 Eastern		Water						X	X	X	2	
SW-6 (180-171607-21)	3/27/24	09 42 Eastern		Water			X	X	X				2	
SW-6 (180-171607-22)	3/27/24	10 00 Eastern		Water						X	X	X	2	
SW-9 (180-171607-23)	3/27/24	10 57 Eastern		Water			X	X	X				2	
SW-9 (180-171607-24)	3/27/24	11 10 Eastern		Water						X	X	X	2	
SW-9 (180-171607-25)	3/27/24	11 23 Eastern		Water			X	X	X				2	
SW-9 (180-171607-26)	3/27/24	11 35 Eastern		Water						X	X	X	2	
SW-10 (180-171607-27)	3/27/24	11 59 Eastern		Water			X	X	X				2	

Note Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	4/1/24 1700	FedEx			
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time.	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks

Ver: 06/08/2021

4/16/2024

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM: Brown, Shali	Carrier Tracking No(s)	COC No: 180-510719 4
Client Contact: Shipping/Receiving	Phone	E-Mail: Shali Brown@et eurofinsus com	State of Origin: Georgia	Page: Page 4 of 6
Company: TestAmerica Laboratories, Inc		Accreditations Required (See note)		Job #: 180-171607-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 5/2/2024			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email	WO #:			
Project Name: Plant Watson AP Surfacewater	Project #: 18020186			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	9315_Ra226/FIELD_FLTRD Radium 226 (Field Filtered)	9320_Ra228/FIELD_FLTRD Radium 228 (Field Filtered)	RA226_228GPFC_D/FIELD_FLTRD (MOD) Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
SW-10 (180-171607-28)	3/27/24	12 10 Eastern		Water						X	X	X	2	
SW-11 (180-171607-29)	3/27/24	12 30 Eastern		Water			X	X	X				2	
SW-11 (180-171607-30)	3/27/24	12 45 Eastern		Water						X	X	X	2	
SW-12 (180-171607-31)	3/27/24	13 08 Eastern		Water			X	X	X				2	
SW-12 (180-171607-32)	3/27/24	13 32 Eastern		Water						X	X	X	2	
SW-13 (180-171607-33)	3/27/24	12 38 Eastern		Water			X	X	X				2	
SW-13 (180-171607-34)	3/27/24	12 50 Eastern		Water						X	X	X	2	
SW-14 (180-171607-35)	3/27/24	13 38 Eastern		Water			X	X	X				2	
SW-14 (180-171607-36)	3/27/24	13 52 Eastern		Water						X	X	X	2	

Note Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	4-1-24 1700	EB/TAL			
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Ver: 06/08/2021

4/16/2024

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone 412-963-7058 Fax 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM: Brown, Shali	Carrier Tracking No(s)	COC No: 180-510719 5
Client Contact: Shipping/Receiving	Phone	E-Mail: Shali Brown@et.eurofinsus com	State of Origin: Georgia	Page: Page 5 of 6
Company: TestAmerica Laboratories, Inc		Accreditations Required (See note)		Job #: 180-171607-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 5/2/2024			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email	WO #:			
Project Name: Plant Watson AP Surfacewater	Project #: 18020186			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	9315_Ra226/FIELD_FLTRD Radium 226 (Field Filtered)	9320_Ra228/FIELD_FLTRD Radium 228 (Field Filtered)	RA226_228GPFC_D/FIELD_FLTRD (MOD) Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
SW-15 (180-171607-37)	3/27/24	14 24 Eastern		Water			X	X	X				2	
SW-15 (180-171607-38)	3/27/24	14 40 Eastern		Water						X	X	X	2	
SW-16 (180-171607-39)	3/27/24	15 11 Eastern		Water			X	X	X				2	
SW-16 (180-171607-40)	3/27/24	15 28 Eastern		Water						X	X	X	2	
SW-17 (180-171607-41)	3/27/24	11 45 Eastern		Water			X	X	X				2	
SW-17 (180-171607-42)	3/27/24	12 01 Eastern		Water						X	X	X	2	
DUP-01 (180-171607-43)	3/27/24	12 08 Eastern		Water			X	X	X				2	
DUP-01 (180-171607-44)	3/27/24	12 32 Eastern		Water						X	X	X	2	
DUP-02 (180-171607-45)	3/27/24	07 38 Eastern		Water			X	X	X				2	

Note Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	4-24 1700	[illegible]			
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Ver: 06/08/2021

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone 412-963-7058 Fax 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 180-510719 6
Client Contact: Shipping/Receiving	Phone:	E-Mail: Shali Brown@et.eurofinsus com	State of Origin: Georgia	Page: Page 6 of 6
Company: TestAmerica Laboratories, Inc		Accreditations Required (See note):		Job #: 180-171607-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 5/2/2024			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Plant Watson AP Surfacewater	Project #: 18020186			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	9315_Ra226/FIELD_FLTRD Radium 226 (Field Filtered)	9320_Ra228/FIELD_FLTRD Radium 228 (Field Filtered)	RA226_228GPFC_D/FIELD_FLTRD (MOD) Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
DUP-02 (180-171607-46)	3/27/24	07 58 Eastern		Water						X	X	X	2	
DUP-03 (180-171607-47)	3/27/24	17 35 Eastern		Water			X	X	X				2	
DUP-03 (180-171607-48)	3/27/24	17 58 Eastern		Water						X	X	X	2	
EB-01 (180-171607-49)	3/27/24	07 36 Eastern		Water			X	X	X				2	
FB-01 (180-171607-50)	3/27/24	07 27 Eastern		Water			X	X	X				2	
EB-02 (180-171607-51)	3/27/24	17 00 Eastern		Water			X	X	X				2	
FB-02 (180-171607-52)	3/27/24	16 50 Eastern		Water			X	X	X				2	
EB-03 (180-171607-53)	3/27/24	17 59 Eastern		Water			X	X	X				2	
FB-03 (180-171607-54)	3/27/24	17 47 Eastern		Water			X	X	X				2	

Note Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
	4-1-24 1700	EP, TAL			
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Ver: 06/08/2021

4/16/2024

ORIGIN ID:BIXA (850) 336-0192
RICHARD HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 28MAR24
ACTWGT: 78.60 LB
CAD: 6993799/SSFE2500
DIMS: 25x14x14 IN

BILL THIRD PARTY

TO EUROFINS TEST AMERICA

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238

(000) 000-0000 REF:
INV:
PO:

Part # 156027-435 RADB2 EXP 02/25

Uncorrected temp
Thermometer ID

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1 of 14

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PRIORITY OVERNIGHT
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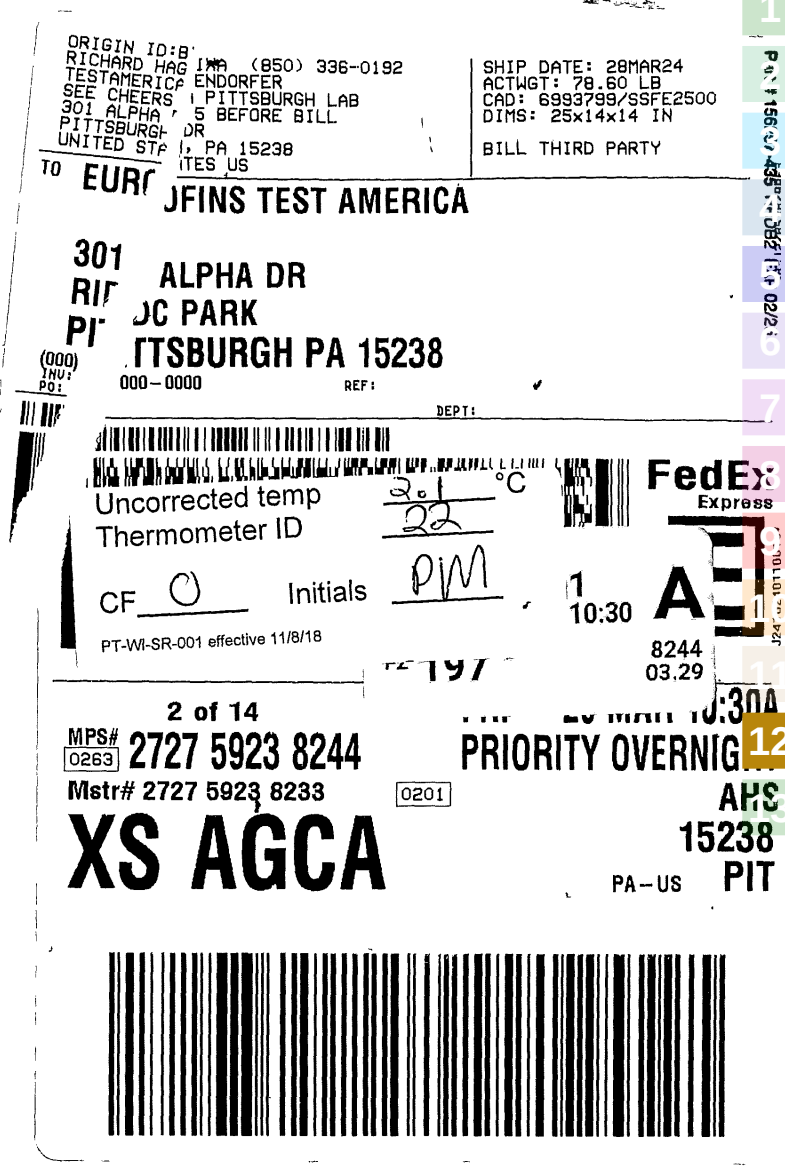
ORIGIN ID:8
RICHARD HAG (850) 336-0192
TESTAMERICA ENDORFER
SEE CHEERS PITTSBURGH LAB
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SHIP DATE: 28MAR24
ACTWGT: 78.60 LB
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301 ALPHA DR
RI JC PARK
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Uncorrected temp 21 °C
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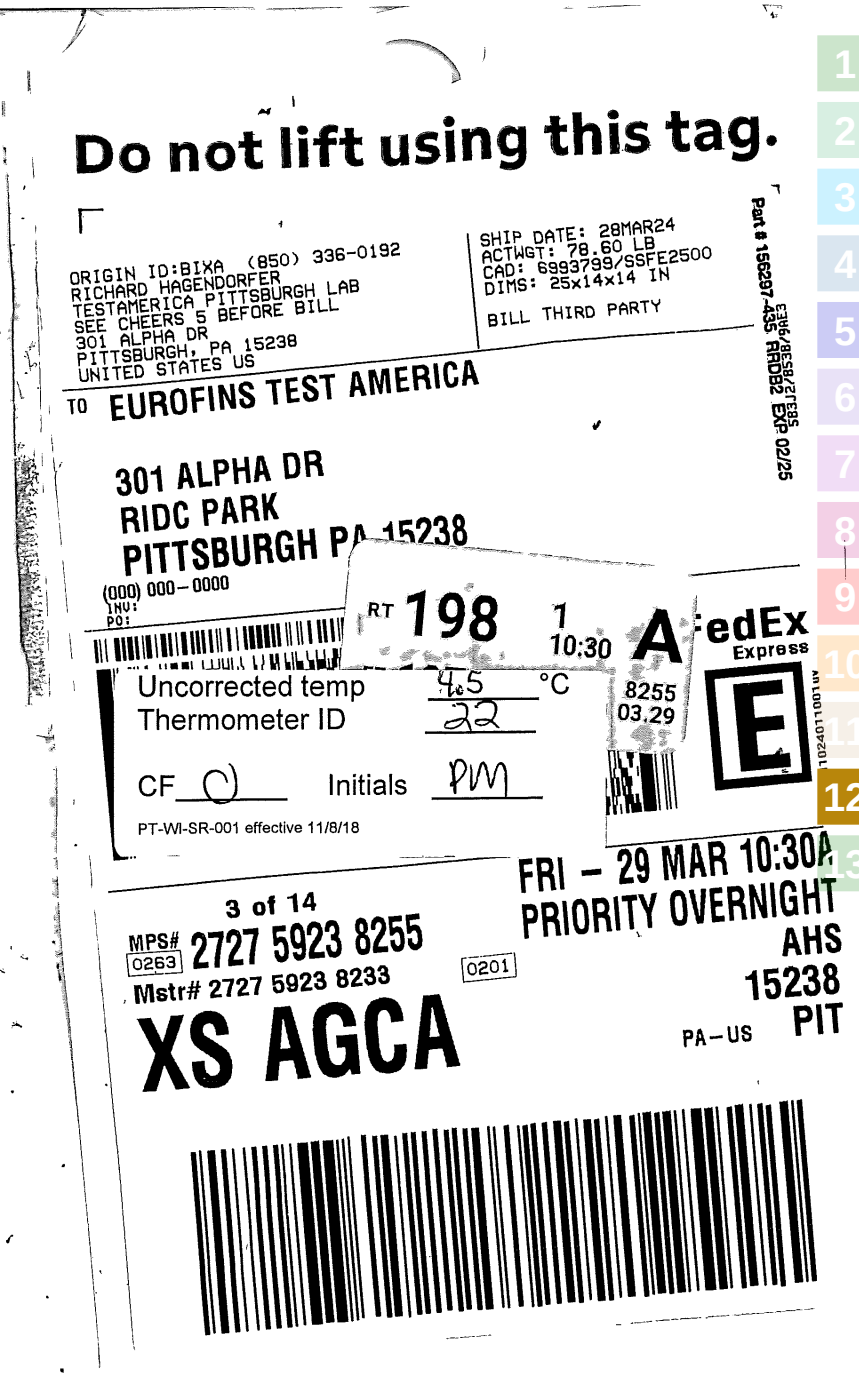
Do not lift using this tag.
ORIGIN ID:BIXA (850) 336-0192
RICHARD HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US
SHIP DATE: 28MAR24
ACTWGT: 78.60 LB
CAD: 6993799/SSFE2500
DIMS: 25x14x14 IN
BILL THIRD PARTY
Part # 156297-435 ARDB2 EXP 02/25
TO EUROFINS TEST AMERICA
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PITTSBURGH PA 15238
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RICHARD HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US
SHIP DATE: 28MAR24
ACTWGT: 78.60 LB
CAD: 6993799/SSFE2500
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TO EUROFINS TEST AMERICA
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(000) 000-0000
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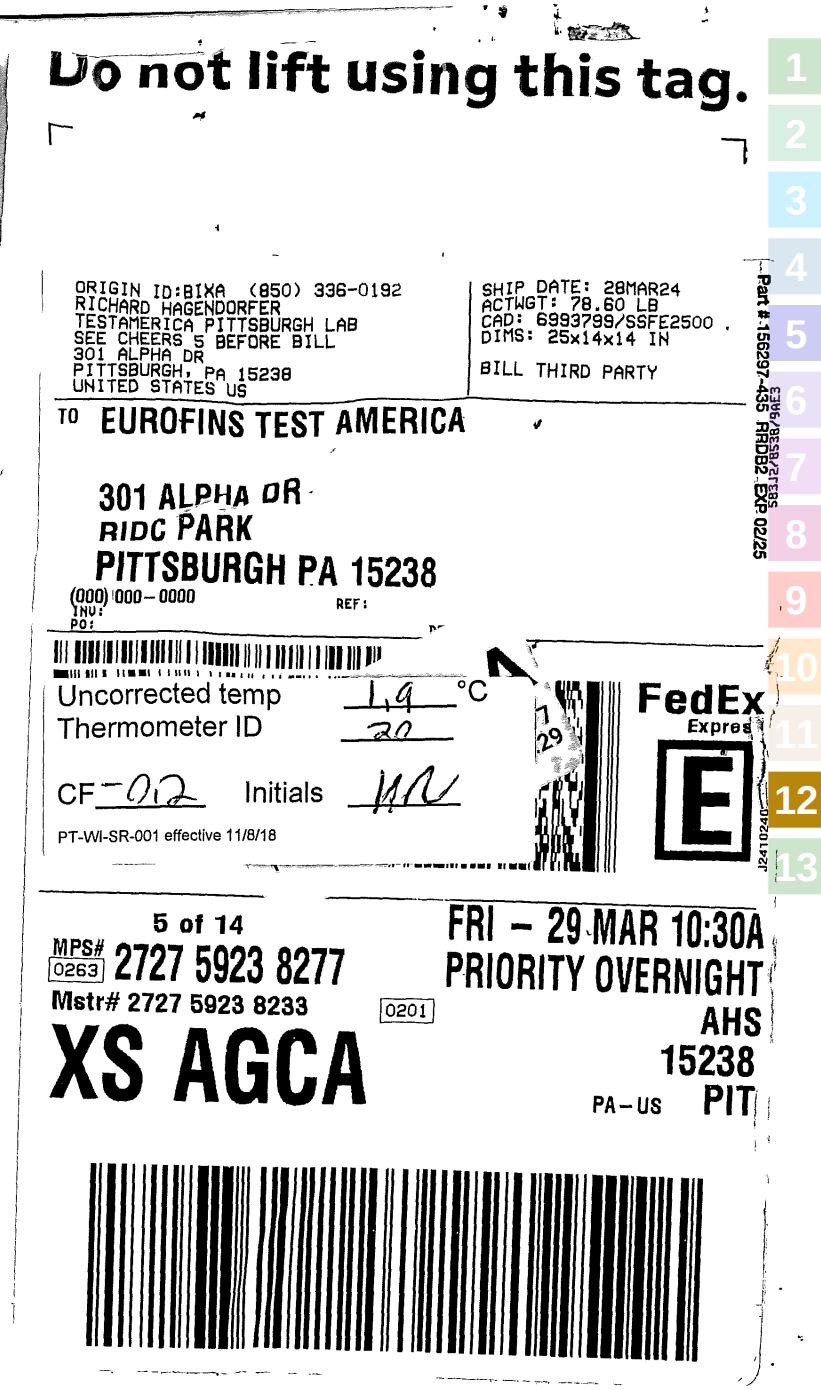
Do not lift using this tag.
ORIGIN ID:BIXA (850) 336-0192
RICHARD HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US
SHIP DATE: 28MAR24
ACTWGT: 78.60 LB
CAD: 6993799/SSFE2500
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TO EUROFINS TEST AMERICA
301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238
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Part # 156297-435 ARDB2 EXP: 02/25
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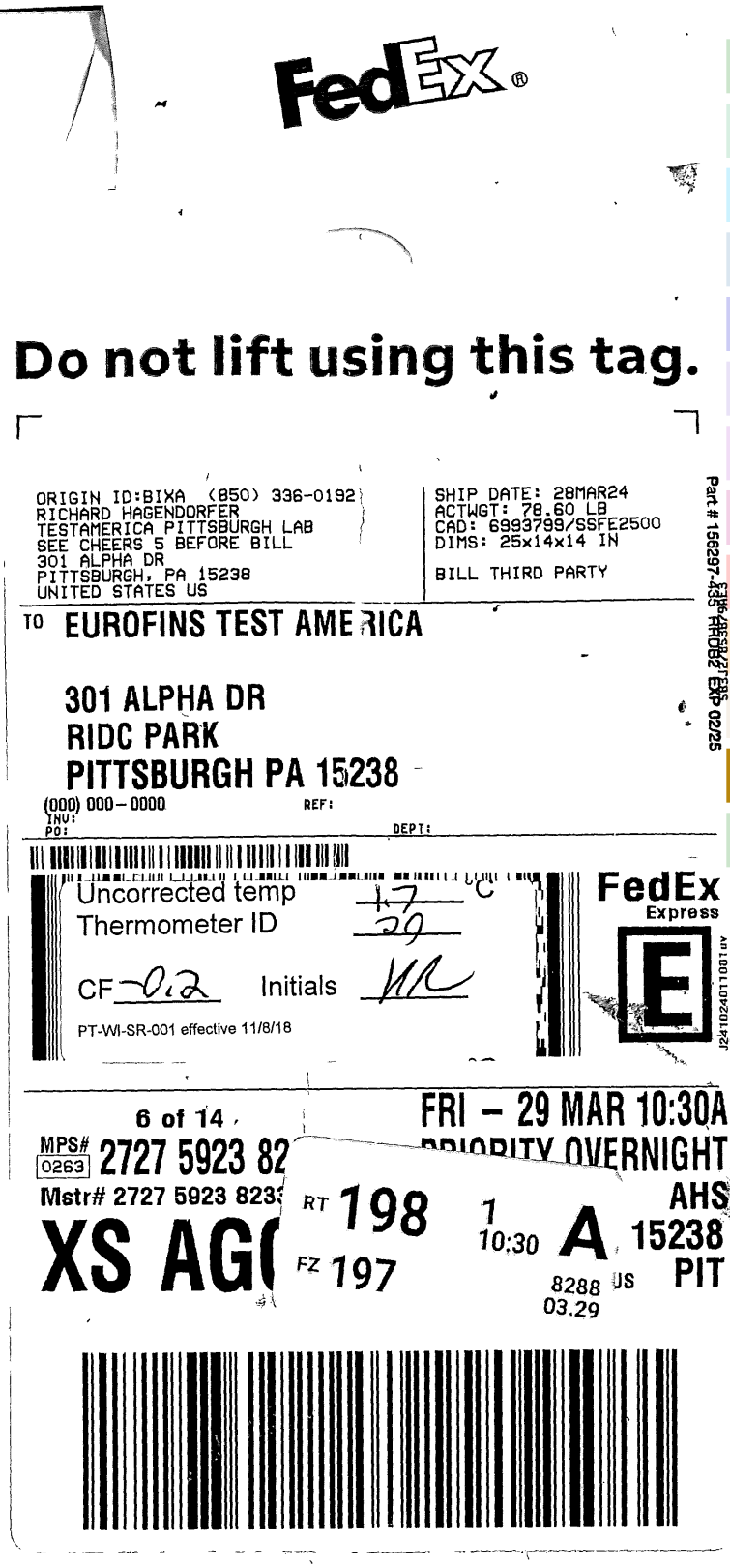

Do not lift using this tag.

ORIGIN ID:BIXA (850) 336-0192
RICHARD HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 28MAR24
ACTWGT: 78.60 LB
CAD: 6993799/SSFE2500
DIMS: 25x14x14 IN

BILL THIRD PARTY

TO EUROFINS TEST AMERICA

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238

(000) 000-0000 REF:
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Uncorrected temp 1.7 °C
Thermometer ID 29
CF 0.2 Initials MC

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6 of 14

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Do not lift using this tag.

ORIGIN ID:BIXA (850) 336-0192
RICHARD HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 28MAR24
ACTWGT: 78.60 LB
CAD: 6993799/SSFE2500
DIMS: 25x14x14 IN

BILL THIRD PARTY

TO EUROFINS TEST AMERICA

301 ALPHA DR
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Uncorrected temp 4.6 °C
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7 of 14

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Do not lift using this tag.

ORIGIN ID:BIXA (850) 336-0192
RICHARD HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 28MAR24
ACTWGT: 78.60 LB
CAD: 6993799/SSFE2500
DIMS: 25x14x14 IN

BILL THIRD PARTY

TO EUROFINS TEST AMERICA

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238
(000) 000-0000 REF:
INV:
PO: DEPT:

Uncorrected temp 3.8 °C
Thermometer ID 21
CF -0.9 Initials RO
PT-WI-SR-001 effective 11/8/18

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8 of 14
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PRIORITY OVERNIGHT

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Do not lift using this tag.

ORIGIN ID:BIXA (850) 336-0192
RICHARD HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 28MAR24
ACTWGT: 78.60 LB
CAD: 6993799/SSFE2500
DIMS: 25x14x14 IN

BILL THIRD PARTY

Part # 156297-435 RRDB2 EXP 02/25

TO EUROFINS TEST AMERICA

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238
(000) 000-0000
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RT 198 1 10:30 A 7128 03.29

Uncorrected temp 3.2 °C
Thermometer ID 22
CF 0 Initials PM
PT-WI-SR-001 effective 11/8/18

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9 of 14
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PRIORITY OVERNIGHT

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Do not lift using this tag.

ORIGIN ID:BIXA (850) 336-0192
RICHARD HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 28MAR24
ACTWGT: 78.60 LB
CAD: 6993799/SSFE2500
DIMS: 25x14x14 IN

BILL THIRD PARTY

TO EUROFINS TEST AMERICA

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238

(000) 000-0000 REF:
INV:
PO: DEPT:

Uncorrected temp 3.6 °C
Thermometer ID 20
CF -0.2 Initials MR
PT-WI-SR-001 effective 11/8/18

FedEx Express

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10 of 14
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XS AGCA

Part # 156297-435 RRDB2 EXP 02/25

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Do not lift using this tag.

ORIGIN ID:BIXA (850) 336-0192
RICHARD HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 28MAR24
ACTWGT: 28.60 LB
CAD: 6993799/SSFE2500
DIMS: 25x14x14 IN

BILL THIRD PARTY

Part # 156297-435 RRDB2 EXP 02/25
E396/3858/2E35

TO **EUROFINS TEST AMERICA**

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238

(000) 000-0000 REF:
INV:
PO: DEPT:

Uncorrected temp 2.0 °C
Thermometer ID 22

CF 0 Initials PM

PT-WI-SR-001 effective 11/8/18

FedEx Express

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11 of 14

MPS# 0263 2727 5923 8336

Mstr# 2727 5923 8233 0201

XS AGCA

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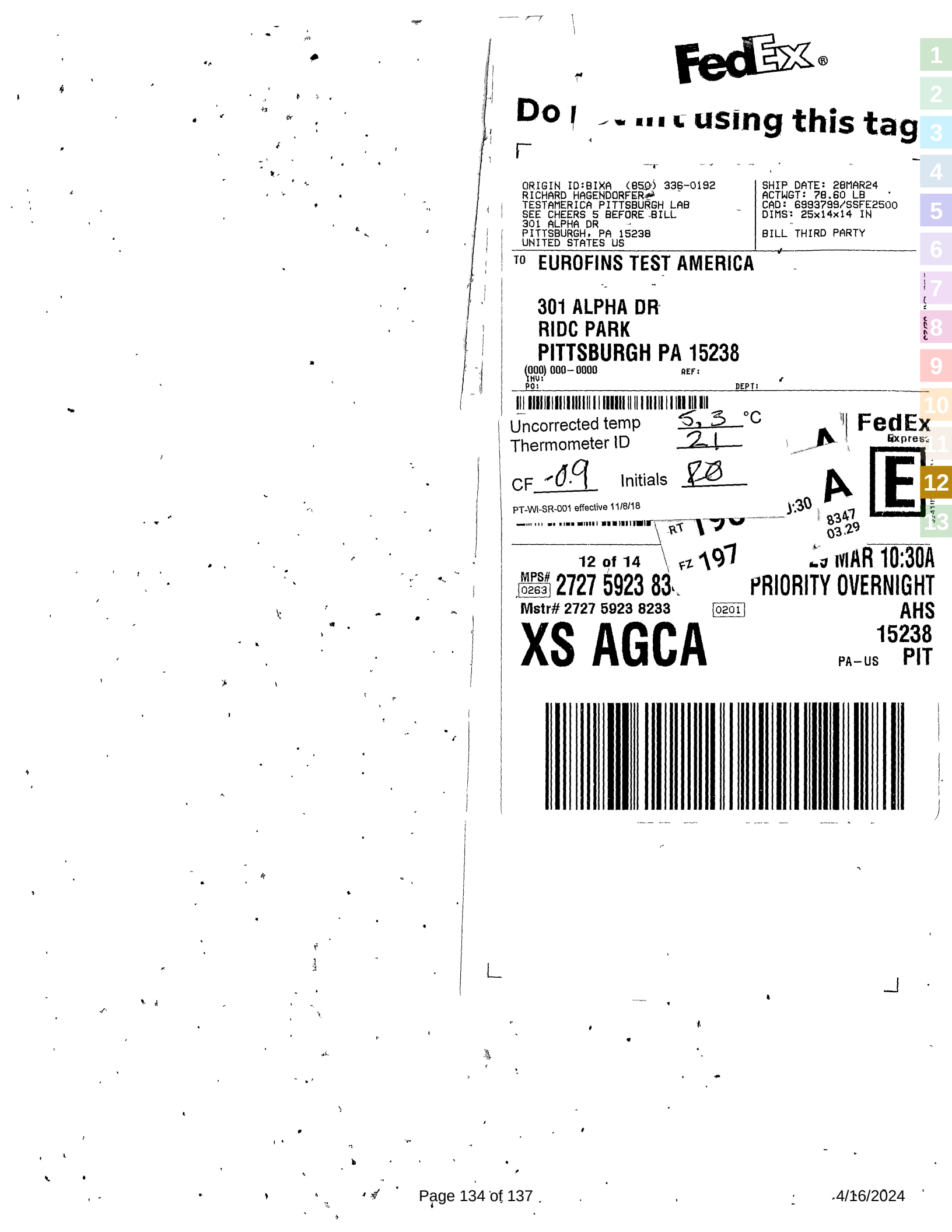
PRIORITY OVERNIGHT
AHS
15238
PA-US **PIT**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Do not use this tag
ORIGIN ID:BIXA (850) 336-0192
RICHARD HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US
SHIP DATE: 28MAR24
ACTWGT: 78.60 LB
CAD: 6993799/SSFE2500
DIMS: 25x14x14 IN
BILL THIRD PARTY
TO EUROFINS TEST AMERICA
301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238
(000) 000-0000
REF:
INV:
PO:
DEPT:
Uncorrected temp 5.3 °C
Thermometer ID 21
CF -0.9 Initials RB
PT-WI-SR-001 effective 11/8/18
FedEx Express
8347
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12 of 14
MPS# 0263 2727 5923 83
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PRIORITY OVERNIGHT
XS AGCA
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PA-US
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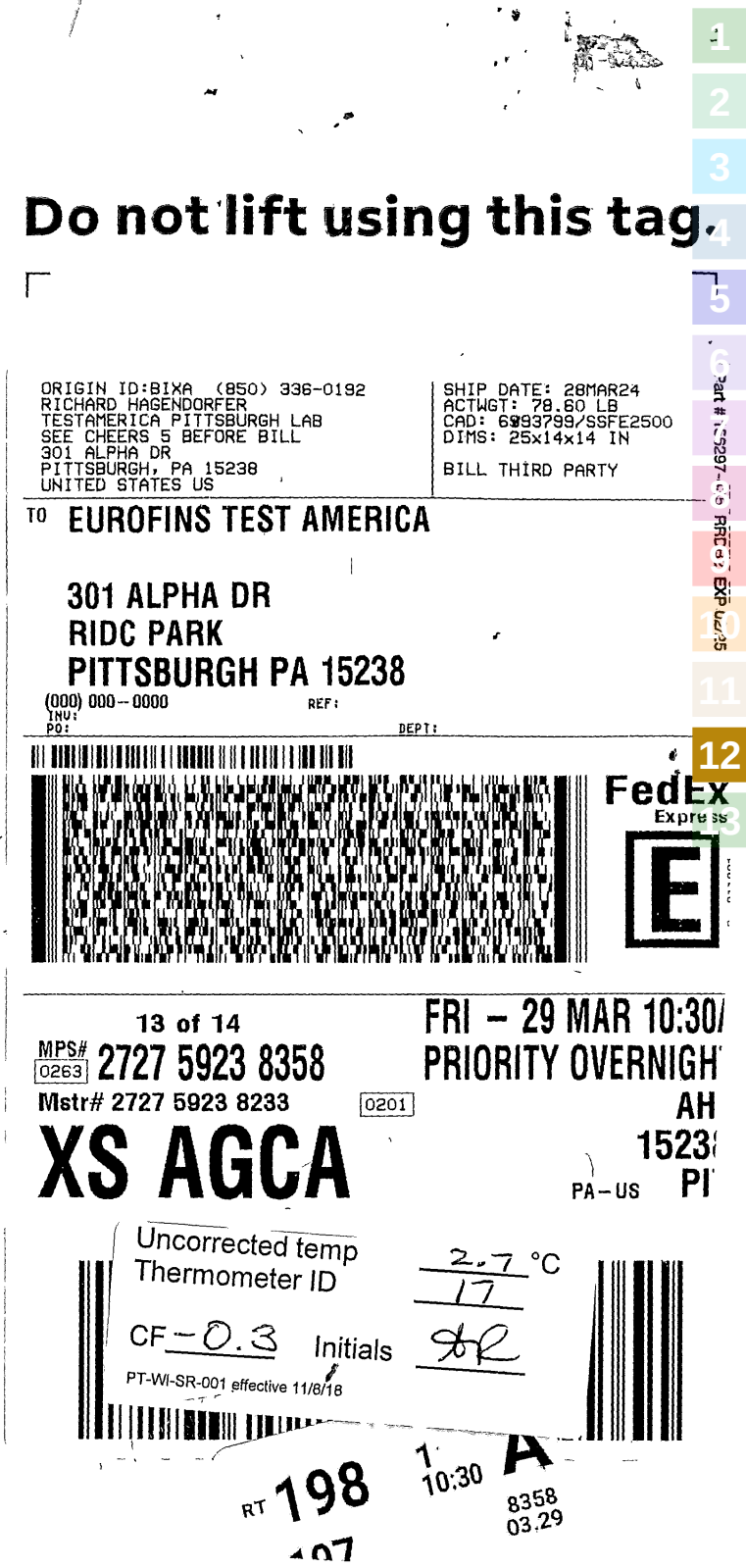

Do not lift using this tag.

ORIGIN ID:BIXA (850) 336-0192
RICHARD HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 28MAR24
ACTWGT: 78.60 LB
CAD: 6993799/SSFE2500
DIMS: 25x14x14 IN

BILL THIRD PARTY

TO EUROFINS TEST AMERICA

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238

(000) 000--0000 REF:
INV:
PO: DEPT:

FedEx Express

13 of 14
MPS# 0263 2727 5923 8358
Mstr# 2727 5923 8233 0201

XS AGCA

FRI - 29 MAR 10:30
PRIORITY OVERNIGHT
AH
1523
PA-US PI

Uncorrected temp 2.7 °C
Thermometer ID 17
CF -0.3 Initials
PT-WI-SR-001 effective 11/8/18

RT 198 10:30 A
8358
03.29

ORIGIN ID:BIXA (850) 336-0192
RICHARD HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 28MAR24
ACTWGT: 78.60 LB
CAD: 6993799/SSFE2500
DIMS: 25x14x14 IN

BILL THIRD PARTY

TO **EUROFINS TEST AMERICA**

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238
(000) 000-0000 REF:
INV:
PO: DEPT:

Part # 156297-435 RRDB2 EXP 02/25

Uncorrected temp 2.6 °C
Thermometer ID 22
CF 0
Initials PM
PT-WI-SR-001 effective 11/8/18

1 10:30 A
8369 03.29
FedEx Express
E

J241024011001uv

14 of 14
MPS# 0263 2727 5923 8369
Mstr# 2727 5923 8233 0201
XS AGCA

FRI – 29 MAR 10:30A
PRIORITY OVERNIGHT
AHS
15238
PA-US PIT

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-171607-1

Login Number: 171607
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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1 2 3 4 5 6 7 8 9 10 11 12 13

ANALYTICAL REPORT

PREPARED FOR

Attn: Robert (Trey) Singleton
Southern Company
3535 Colonnade Parkway
Bin S 530 EC
Birmingham, Alabama 35243

Generated 5/3/2024 2:18:36 PM

JOB DESCRIPTION

Plant Watson AP Surfacewater

JOB NUMBER

180-171607-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization

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5/3/2024 2:18:36 PM

Authorized for release by
Shali Brown, Project Manager II
Shali.Brown@et.eurofinsus.com
(615)301-5031

Table of Contents

Job ID: 180-171607-2 — Eurofins Pittsburgh

Job Narrative
180-171607-2

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 3/29/2024 9:25 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 14 coolers at receipt time were 1.5°C, 1.7°C, 2.1°C, 2.4°C, 2.6°C, 2.8°C, 2.8°C, 2.9°C, 3.2°C, 3.4°C, 3.7°C, 4.4°C, 4.5°C and 5.4°C.

Receipt Exceptions
The reference method requires samples to have a pH of less than 2. The following sample was received with a pH of 7: EB-03 (180-171607-53). The sample was adjusted to the appropriate pH in the laboratory.

Gas Flow Proportional Counter
Method 9320_Ra228: Radium-228 prep batch 160-655142: The detection goal was not met for the following sample due to the reduced sample volume attributed to the presence of matrix interferences: SW-15 (180-171607-37) . Analytical results are reported with the detection limit achieved.

Method 9320_Ra228: Radium-228 prep batch 160-655457: The detection goal was not met for the following samples due to the reduced sample volume attributed to the presence of matrix interferences: SW-17 (180-171607-41), DUP-01 (180-171607-43), DUP-02 (180-171607-45) and DUP-03 (180-171607-47) . Analytical results are reported with the detection limit achieved.

Method 9320_Ra228: Radium-228 prep batch 160-655140: The detection goal was not met for the following samples due to the reduced sample volume attributed to the presence of matrix interferences: SW-1 (180-171607-1), SW-5 (180-171607-17) and SW-6 (180-171607-19) . Analytical results are reported with the detection limit achieved.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Rad
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Definitions/Glossary

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-2

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Southern Company
Job ID: 180-171607-2
Project/Site: Plant Watson AP Surfacewater

Laboratory: Eurofins St. Louis

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-25
ANAB	Dept. of Defense ELAP	L2305	04-06-25
ANAB	Dept. of Energy	L2305.01	04-08-25
ANAB	ISO/IEC 17025	L2305	04-06-25
Arizona	State	AZ0813	12-08-24
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-24
Connecticut	State	PH-0241	03-31-25
Florida	NELAP	E87689	06-30-24
HI - RadChem Recognition	State	n/a	06-30-24
Illinois	NELAP	200023	11-30-24
Iowa	State	373	12-01-24
Kansas	NELAP	E-10236	10-31-24
Kentucky (DW)	State	KY90125	12-31-24
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-24
Louisiana	NELAP	04080	06-30-22 *
Louisiana (All)	NELAP	04080	06-30-24
Louisiana (DW)	State	LA011	12-31-24
Maryland	State	310	09-30-24
Massachusetts	State	M-MO054	06-30-24
MI - RadChem Recognition	State	9005	06-30-24
Missouri	State	780	06-30-25
Nevada	State	MO00054	07-31-24
New Jersey	NELAP	MO002	06-30-24
New Mexico	State	MO00054	06-30-24
New York	NELAP	11616	03-31-25
North Carolina (DW)	State	29700	07-31-24
North Dakota	State	R-207	06-30-24
Oklahoma	NELAP	9997	08-31-24
Oregon	NELAP	4157	09-01-24
Pennsylvania	NELAP	68-00540	02-28-25
South Carolina	State	85002001	06-30-24
Texas	NELAP	T104704193	07-31-24
US Fish & Wildlife	US Federal Programs	058448	07-31-24
USDA	US Federal Programs	P330-17-00028	05-18-26
Utah	NELAP	MO00054	07-31-24
Virginia	NELAP	10310	06-15-25
Washington	State	C592	08-30-24
West Virginia DEP	State	381	10-31-24

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-171607-1	SW-1	Water	03/27/24 18:35	03/29/24 09:25
180-171607-2	SW-1	Water	03/27/24 18:58	03/29/24 09:25
180-171607-3	SW-1	Water	03/27/24 18:08	03/29/24 09:25
180-171607-4	SW-1	Water	03/27/24 18:22	03/29/24 09:25
180-171607-5	SW-2	Water	03/27/24 17:38	03/29/24 09:25
180-171607-6	SW-2	Water	03/27/24 17:50	03/29/24 09:25
180-171607-7	SW-2	Water	03/27/24 17:10	03/29/24 09:25
180-171607-8	SW-2	Water	03/27/24 17:25	03/29/24 09:25
180-171607-9	SW-3	Water	03/27/24 10:02	03/29/24 09:25
180-171607-10	SW-3	Water	03/27/24 10:17	03/29/24 09:25
180-171607-11	SW-3	Water	03/27/24 10:30	03/29/24 09:25
180-171607-12	SW-3	Water	03/27/24 10:40	03/29/24 09:25
180-171607-13	SW-4	Water	03/27/24 08:38	03/29/24 09:25
180-171607-14	SW-4	Water	03/27/24 08:58	03/29/24 09:25
180-171607-15	SW-5	Water	03/27/24 08:40	03/29/24 09:25
180-171607-16	SW-5	Water	03/27/24 08:57	03/29/24 09:25
180-171607-17	SW-5	Water	03/27/24 08:11	03/29/24 09:25
180-171607-18	SW-5	Water	03/27/24 08:22	03/29/24 09:25
180-171607-19	SW-6	Water	03/27/24 10:17	03/29/24 09:25
180-171607-20	SW-6	Water	03/27/24 10:29	03/29/24 09:25
180-171607-21	SW-6	Water	03/27/24 09:42	03/29/24 09:25
180-171607-22	SW-6	Water	03/27/24 10:00	03/29/24 09:25
180-171607-23	SW-9	Water	03/27/24 10:57	03/29/24 09:25
180-171607-24	SW-9	Water	03/27/24 11:10	03/29/24 09:25
180-171607-25	SW-9	Water	03/27/24 11:23	03/29/24 09:25
180-171607-26	SW-9	Water	03/27/24 11:35	03/29/24 09:25
180-171607-27	SW-10	Water	03/27/24 11:59	03/29/24 09:25
180-171607-28	SW-10	Water	03/27/24 12:10	03/29/24 09:25
180-171607-29	SW-11	Water	03/27/24 12:30	03/29/24 09:25
180-171607-30	SW-11	Water	03/27/24 12:45	03/29/24 09:25
180-171607-31	SW-12	Water	03/27/24 13:08	03/29/24 09:25
180-171607-32	SW-12	Water	03/27/24 13:32	03/29/24 09:25
180-171607-33	SW-13	Water	03/27/24 12:38	03/29/24 09:25
180-171607-34	SW-13	Water	03/27/24 12:50	03/29/24 09:25
180-171607-35	SW-14	Water	03/27/24 13:38	03/29/24 09:25
180-171607-36	SW-14	Water	03/27/24 13:52	03/29/24 09:25
180-171607-37	SW-15	Water	03/27/24 14:24	03/29/24 09:25
180-171607-38	SW-15	Water	03/27/24 14:40	03/29/24 09:25
180-171607-39	SW-16	Water	03/27/24 15:11	03/29/24 09:25
180-171607-40	SW-16	Water	03/27/24 15:28	03/29/24 09:25
180-171607-41	SW-17	Water	03/27/24 11:45	03/29/24 09:25
180-171607-42	SW-17	Water	03/27/24 12:01	03/29/24 09:25
180-171607-43	DUP-01	Water	03/27/24 12:08	03/29/24 09:25
180-171607-44	DUP-01	Water	03/27/24 12:32	03/29/24 09:25
180-171607-45	DUP-02	Water	03/27/24 07:38	03/29/24 09:25
180-171607-46	DUP-02	Water	03/27/24 07:58	03/29/24 09:25
180-171607-47	DUP-03	Water	03/27/24 17:35	03/29/24 09:25
180-171607-48	DUP-03	Water	03/27/24 17:58	03/29/24 09:25
180-171607-49	EB-01	Water	03/27/24 07:36	03/29/24 09:25
180-171607-50	FB-01	Water	03/27/24 07:27	03/29/24 09:25
180-171607-51	EB-02	Water	03/27/24 17:00	03/29/24 09:25
180-171607-52	FB-02	Water	03/27/24 16:50	03/29/24 09:25
180-171607-53	EB-03	Water	03/27/24 17:59	03/29/24 09:25
180-171607-54	FB-03	Water	03/27/24 17:47	03/29/24 09:25

Method Summary

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-2

Method	Method Description	Protocol	Laboratory
9315	Radium-226 (GFPC)	SW846	EET SL
9320	Radium-228 (GFPC)	SW846	EET SL
Ra226_Ra228	Combined Radium-226 and Radium-228	TAL-STL	EET SL
Ra226_Ra228 (D)	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-2

Client Sample ID: SW-1
Date Collected: 03/27/24 18:35
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			753.97 mL	1.0 g	655139	04/03/24 09:48	KAK	EET SL
Total/NA	Analysis	9315		1			659818	05/02/24 12:38	SCB	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			753.97 mL	1.0 g	655140	04/03/24 09:53	KAK	EET SL
Total/NA	Analysis	9320		1			659271	04/30/24 13:02	SCB	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			659961	05/03/24 09:09	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-1
Date Collected: 03/27/24 18:58
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			990.64 mL	1.0 g	655139	04/03/24 09:48	KAK	EET SL
Dissolved	Analysis	9315		1			659818	05/02/24 12:38	SCB	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			990.64 mL	1.0 g	655140	04/03/24 09:53	KAK	EET SL
Dissolved	Analysis	9320		1			659271	04/30/24 13:02	SCB	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			660013	05/03/24 12:12	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-1
Date Collected: 03/27/24 18:08
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			751.40 mL	1.0 g	655139	04/03/24 09:48	KAK	EET SL
Total/NA	Analysis	9315		1			659818	05/02/24 12:38	SCB	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			751.40 mL	1.0 g	655140	04/03/24 09:53	KAK	EET SL
Total/NA	Analysis	9320		1			659271	04/30/24 13:03	SCB	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			659961	05/03/24 09:09	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-1
Date Collected: 03/27/24 18:22
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			990.77 mL	1.0 g	655139	04/03/24 09:48	KAK	EET SL
Dissolved	Analysis	9315		1			659818	05/02/24 12:38	SCB	EET SL
	Instrument ID: GFPCBLUE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-2

Client Sample ID: SW-1
Date Collected: 03/27/24 18:22
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep_0			990.77 mL	1.0 g	655140	04/03/24 09:53	KAK	EET SL
Dissolved	Analysis	9320		1			659273	04/30/24 16:29	SCB	EET SL
	Instrument ID: GFPCRED									
Dissolved	Analysis	Ra226_Ra228 (D)		1			660013	05/03/24 12:12	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-2
Date Collected: 03/27/24 17:38
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			753.09 mL	1.0 g	655139	04/03/24 09:48	KAK	EET SL
Total/NA	Analysis	9315		1			659820	05/02/24 12:31	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			753.09 mL	1.0 g	655140	04/03/24 09:53	KAK	EET SL
Total/NA	Analysis	9320		1			659272	04/30/24 12:56	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			659961	05/03/24 09:09	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-2
Date Collected: 03/27/24 17:50
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			990.36 mL	1.0 g	655139	04/03/24 09:48	KAK	EET SL
Dissolved	Analysis	9315		1			659820	05/02/24 12:31	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Dissolved	Prep	PrecSep_0			990.36 mL	1.0 g	655140	04/03/24 09:53	KAK	EET SL
Dissolved	Analysis	9320		1			659272	04/30/24 12:56	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			660013	05/03/24 12:12	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-2
Date Collected: 03/27/24 17:10
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			751.40 mL	1.0 g	655139	04/03/24 09:48	KAK	EET SL
Total/NA	Analysis	9315		1			659820	05/02/24 12:32	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			751.40 mL	1.0 g	655140	04/03/24 09:53	KAK	EET SL
Total/NA	Analysis	9320		1			659272	04/30/24 12:56	SCB	EET SL
	Instrument ID: GFPCPURPLE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-2

Client Sample ID: SW-2
Date Collected: 03/27/24 17:10
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Ra226_Ra228		1			659961	05/03/24 09:09	FLC	EET SL

Client Sample ID: SW-2
Date Collected: 03/27/24 17:25
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			992.90 mL	1.0 g	655139	04/03/24 09:48	KAK	EET SL
Dissolved	Analysis	9315		1			659820	05/02/24 12:32	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Dissolved	Prep	PrecSep_0			992.90 mL	1.0 g	655140	04/03/24 09:53	KAK	EET SL
Dissolved	Analysis	9320		1			659272	04/30/24 12:57	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			660013	05/03/24 12:12	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-3
Date Collected: 03/27/24 10:02
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			756.53 mL	1.0 g	655139	04/03/24 09:48	KAK	EET SL
Total/NA	Analysis	9315		1			659820	05/02/24 12:32	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			756.53 mL	1.0 g	655140	04/03/24 09:53	KAK	EET SL
Total/NA	Analysis	9320		1			659272	04/30/24 12:57	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			659961	05/03/24 09:09	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-3
Date Collected: 03/27/24 10:17
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			995.12 mL	1.0 g	655139	04/03/24 09:48	KAK	EET SL
Dissolved	Analysis	9315		1			659818	05/02/24 12:37	SCB	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			995.12 mL	1.0 g	655140	04/03/24 09:53	KAK	EET SL
Dissolved	Analysis	9320		1			659272	04/30/24 12:57	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			660013	05/03/24 12:12	FLC	EET SL
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-2

Client Sample ID: SW-3
Date Collected: 03/27/24 10:30
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			755.47 mL	1.0 g	655139	04/03/24 09:48	KAK	EET SL
Total/NA	Analysis	9315		1			659818	05/02/24 12:37	SCB	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			755.47 mL	1.0 g	655140	04/03/24 09:53	KAK	EET SL
Total/NA	Analysis	9320		1			659272	04/30/24 12:57	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			659961	05/03/24 09:09	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-3
Date Collected: 03/27/24 10:40
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			1000.26 mL	1.0 g	655139	04/03/24 09:48	KAK	EET SL
Dissolved	Analysis	9315		1			659654	05/02/24 14:10	SCB	EET SL
	Instrument ID: GFPCRED									
Dissolved	Prep	PrecSep_0			1000.26 mL	1.0 g	655140	04/03/24 09:53	KAK	EET SL
Dissolved	Analysis	9320		1			659272	04/30/24 12:57	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			660013	05/03/24 12:12	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-4
Date Collected: 03/27/24 08:38
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			753.41 mL	1.0 g	655139	04/03/24 09:48	KAK	EET SL
Total/NA	Analysis	9315		1			659654	05/02/24 14:10	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			753.41 mL	1.0 g	655140	04/03/24 09:53	KAK	EET SL
Total/NA	Analysis	9320		1			659272	04/30/24 12:57	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			659961	05/03/24 09:09	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-4
Date Collected: 03/27/24 08:58
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			999.62 mL	1.0 g	655139	04/03/24 09:48	KAK	EET SL
Dissolved	Analysis	9315		1			659654	05/02/24 14:10	SCB	EET SL
	Instrument ID: GFPCRED									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-2

Client Sample ID: SW-4
Date Collected: 03/27/24 08:58
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep_0			999.62 mL	1.0 g	655140	04/03/24 09:53	KAK	EET SL
Dissolved	Analysis	9320		1			659272	04/30/24 12:57	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			660013	05/03/24 12:12	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-5
Date Collected: 03/27/24 08:40
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			750.67 mL	1.0 g	655139	04/03/24 09:48	KAK	EET SL
Total/NA	Analysis	9315		1			659654	05/02/24 14:10	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			750.67 mL	1.0 g	655140	04/03/24 09:53	KAK	EET SL
Total/NA	Analysis	9320		1			659272	04/30/24 12:57	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			659961	05/03/24 12:09	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-5
Date Collected: 03/27/24 08:57
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			1002.97 mL	1.0 g	655139	04/03/24 09:48	KAK	EET SL
Dissolved	Analysis	9315		1			659654	05/02/24 14:11	SCB	EET SL
	Instrument ID: GFPCRED									
Dissolved	Prep	PrecSep_0			1002.97 mL	1.0 g	655140	04/03/24 09:53	KAK	EET SL
Dissolved	Analysis	9320		1			659272	04/30/24 12:57	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			660013	05/03/24 12:12	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-5
Date Collected: 03/27/24 08:11
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			755.26 mL	1.0 g	655139	04/03/24 09:48	KAK	EET SL
Total/NA	Analysis	9315		1			659654	05/02/24 14:11	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			755.26 mL	1.0 g	655140	04/03/24 09:53	KAK	EET SL
Total/NA	Analysis	9320		1			659272	04/30/24 12:57	SCB	EET SL
	Instrument ID: GFPCPURPLE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-2

Client Sample ID: SW-5
Date Collected: 03/27/24 08:11
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Ra226_Ra228		1			659961	05/03/24 12:09	FLC	EET SL

Client Sample ID: SW-5
Date Collected: 03/27/24 08:22
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-18
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			991.92 mL	1.0 g	655139	04/03/24 09:48	KAK	EET SL
Dissolved	Analysis	9315		1			659654	05/02/24 14:11	SCB	EET SL
	Instrument ID: GFPCRED									
Dissolved	Prep	PrecSep_0			991.92 mL	1.0 g	655140	04/03/24 09:53	KAK	EET SL
Dissolved	Analysis	9320		1			659273	04/30/24 14:34	SCB	EET SL
	Instrument ID: GFPCRED									
Dissolved	Analysis	Ra226_Ra228 (D)		1			660013	05/03/24 12:12	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-6
Date Collected: 03/27/24 10:17
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-19
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			751.94 mL	1.0 g	655139	04/03/24 09:48	KAK	EET SL
Total/NA	Analysis	9315		1			659654	05/02/24 14:12	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			751.94 mL	1.0 g	655140	04/03/24 09:53	KAK	EET SL
Total/NA	Analysis	9320		1			659273	04/30/24 14:34	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			659961	05/03/24 12:09	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-6
Date Collected: 03/27/24 10:29
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-20
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			994.24 mL	1.0 g	655139	04/03/24 09:48	KAK	EET SL
Dissolved	Analysis	9315		1			659654	05/02/24 14:12	SCB	EET SL
	Instrument ID: GFPCRED									
Dissolved	Prep	PrecSep_0			994.24 mL	1.0 g	655140	04/03/24 09:53	KAK	EET SL
Dissolved	Analysis	9320		1			659273	04/30/24 14:34	SCB	EET SL
	Instrument ID: GFPCRED									
Dissolved	Analysis	Ra226_Ra228 (D)		1			660013	05/03/24 12:12	FLC	EET SL
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-2

Client Sample ID: SW-6
Date Collected: 03/27/24 09:42
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-21
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			752.49 mL	1.0 g	655141	04/03/24 09:55	KAK	EET SL
Total/NA	Analysis	9315		1			659272	04/30/24 20:12	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			752.49 mL	1.0 g	655142	04/03/24 09:58	KAK	EET SL
Total/NA	Analysis	9320		1			658854	04/26/24 12:14	SCB	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			659961	05/03/24 12:09	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-6
Date Collected: 03/27/24 10:00
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-22
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			753.95 mL	1.0 g	655141	04/03/24 09:55	KAK	EET SL
Dissolved	Analysis	9315		1			659272	04/30/24 20:12	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Dissolved	Prep	PrecSep_0			753.95 mL	1.0 g	655142	04/03/24 09:58	KAK	EET SL
Dissolved	Analysis	9320		1			658854	04/26/24 12:14	SCB	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			660013	05/03/24 12:12	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-9
Date Collected: 03/27/24 10:57
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-23
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			751.40 mL	1.0 g	655141	04/03/24 09:55	KAK	EET SL
Total/NA	Analysis	9315		1			659272	04/30/24 20:12	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			751.40 mL	1.0 g	655142	04/03/24 09:58	KAK	EET SL
Total/NA	Analysis	9320		1			658854	04/26/24 12:14	SCB	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			659961	05/03/24 12:09	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-9
Date Collected: 03/27/24 11:10
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-24
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			993.98 mL	1.0 g	655141	04/03/24 09:55	KAK	EET SL
Dissolved	Analysis	9315		1			659272	04/30/24 20:12	SCB	EET SL
	Instrument ID: GFPCPURPLE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-2

Client Sample ID: SW-9
Date Collected: 03/27/24 11:10
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-24
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep_0			993.98 mL	1.0 g	655142	04/03/24 09:58	KAK	EET SL
Dissolved	Analysis	9320		1			658854	04/26/24 12:14	SCB	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			660013	05/03/24 12:12	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-9
Date Collected: 03/27/24 11:23
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-25
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			750.53 mL	1.0 g	655141	04/03/24 09:55	KAK	EET SL
Total/NA	Analysis	9315		1			659272	04/30/24 20:12	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			750.53 mL	1.0 g	655142	04/03/24 09:58	KAK	EET SL
Total/NA	Analysis	9320		1			658854	04/26/24 12:14	SCB	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			659961	05/03/24 12:09	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-9
Date Collected: 03/27/24 11:35
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-26
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			1001.99 mL	1.0 g	655141	04/03/24 09:55	KAK	EET SL
Dissolved	Analysis	9315		1			659272	04/30/24 20:12	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Dissolved	Prep	PrecSep_0			1001.99 mL	1.0 g	655142	04/03/24 09:58	KAK	EET SL
Dissolved	Analysis	9320		1			658854	04/26/24 12:14	SCB	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			660013	05/03/24 12:12	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-10
Date Collected: 03/27/24 11:59
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-27
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			755.23 mL	1.0 g	655141	04/03/24 09:55	KAK	EET SL
Total/NA	Analysis	9315		1			659272	04/30/24 20:12	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			755.23 mL	1.0 g	655142	04/03/24 09:58	KAK	EET SL
Total/NA	Analysis	9320		1			658854	04/26/24 12:15	SCB	EET SL
	Instrument ID: GFPCBLUE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-2

Client Sample ID: SW-10
Date Collected: 03/27/24 11:59
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-27
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Ra226_Ra228		1			659961	05/03/24 12:09	FLC	EET SL

Client Sample ID: SW-10
Date Collected: 03/27/24 12:10
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-28
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			993.28 mL	1.0 g	655141	04/03/24 09:55	KAK	EET SL
Dissolved	Analysis	9315		1			659272	04/30/24 20:13	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Dissolved	Prep	PrecSep_0			993.28 mL	1.0 g	655142	04/03/24 09:58	KAK	EET SL
Dissolved	Analysis	9320		1			658854	04/26/24 12:15	SCB	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			660013	05/03/24 12:12	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-11
Date Collected: 03/27/24 12:30
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-29
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			756.76 mL	1.0 g	655141	04/03/24 09:55	KAK	EET SL
Total/NA	Analysis	9315		1			659272	04/30/24 20:13	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			756.76 mL	1.0 g	655142	04/03/24 09:58	KAK	EET SL
Total/NA	Analysis	9320		1			658854	04/26/24 12:15	SCB	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			659961	05/03/24 12:09	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-11
Date Collected: 03/27/24 12:45
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-30
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			996.05 mL	1.0 g	655141	04/03/24 09:55	KAK	EET SL
Dissolved	Analysis	9315		1			659272	04/30/24 20:13	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Dissolved	Prep	PrecSep_0			996.05 mL	1.0 g	655142	04/03/24 09:58	KAK	EET SL
Dissolved	Analysis	9320		1			658854	04/26/24 12:15	SCB	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			660013	05/03/24 12:12	FLC	EET SL
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-2

Client Sample ID: SW-12
Date Collected: 03/27/24 13:08
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-31
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			753.88 mL	1.0 g	655141	04/03/24 09:55	KAK	EET SL
Total/NA	Analysis	9315		1			659273	04/30/24 20:12	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			753.88 mL	1.0 g	655142	04/03/24 09:58	KAK	EET SL
Total/NA	Analysis	9320		1			658854	04/26/24 12:15	SCB	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			659961	05/03/24 12:09	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-12
Date Collected: 03/27/24 13:32
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-32
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			991.53 mL	1.0 g	655141	04/03/24 09:55	KAK	EET SL
Dissolved	Analysis	9315		1			659273	04/30/24 20:12	SCB	EET SL
	Instrument ID: GFPCRED									
Dissolved	Prep	PrecSep_0			991.53 mL	1.0 g	655142	04/03/24 09:58	KAK	EET SL
Dissolved	Analysis	9320		1			658854	04/26/24 12:15	SCB	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			660013	05/03/24 12:12	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-13
Date Collected: 03/27/24 12:38
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-33
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			758.66 mL	1.0 g	655141	04/03/24 09:55	KAK	EET SL
Total/NA	Analysis	9315		1			659273	04/30/24 20:12	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			758.66 mL	1.0 g	655142	04/03/24 09:58	KAK	EET SL
Total/NA	Analysis	9320		1			658854	04/26/24 12:15	SCB	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			659961	05/03/24 12:09	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-13
Date Collected: 03/27/24 12:50
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-34
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			994.75 mL	1.0 g	655141	04/03/24 09:55	KAK	EET SL
Dissolved	Analysis	9315		1			659273	04/30/24 20:12	SCB	EET SL
	Instrument ID: GFPCRED									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-2

Client Sample ID: SW-13
Date Collected: 03/27/24 12:50
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-34
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep_0			994.75 mL	1.0 g	655142	04/03/24 09:58	KAK	EET SL
Dissolved	Analysis	9320		1			658854	04/26/24 12:16	SCB	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			660013	05/03/24 12:12	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-14
Date Collected: 03/27/24 13:38
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-35
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			753.36 mL	1.0 g	655141	04/03/24 09:55	KAK	EET SL
Total/NA	Analysis	9315		1			659273	04/30/24 20:14	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			753.36 mL	1.0 g	655142	04/03/24 09:58	KAK	EET SL
Total/NA	Analysis	9320		1			658854	04/26/24 12:16	SCB	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			659961	05/03/24 12:09	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-14
Date Collected: 03/27/24 13:52
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-36
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			993.47 mL	1.0 g	655141	04/03/24 09:55	KAK	EET SL
Dissolved	Analysis	9315		1			659273	04/30/24 20:14	SCB	EET SL
	Instrument ID: GFPCRED									
Dissolved	Prep	PrecSep_0			993.47 mL	1.0 g	655142	04/03/24 09:58	KAK	EET SL
Dissolved	Analysis	9320		1			658854	04/26/24 12:16	SCB	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			660013	05/03/24 12:12	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-15
Date Collected: 03/27/24 14:24
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-37
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			755.65 mL	1.0 g	655141	04/03/24 09:55	KAK	EET SL
Total/NA	Analysis	9315		1			659273	04/30/24 20:14	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			755.65 mL	1.0 g	655142	04/03/24 09:58	KAK	EET SL
Total/NA	Analysis	9320		1			658854	04/26/24 12:16	SCB	EET SL
	Instrument ID: GFPCBLUE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-2

Client Sample ID: SW-15
Date Collected: 03/27/24 14:24
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-37
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Ra226_Ra228		1			659961	05/03/24 12:09	FLC	EET SL

Client Sample ID: SW-15
Date Collected: 03/27/24 14:40
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-38
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			991.42 mL	1.0 g	655141	04/03/24 09:55	KAK	EET SL
Dissolved	Analysis	9315		1			659273	04/30/24 20:15	SCB	EET SL
	Instrument ID: GFPCRED									
Dissolved	Prep	PrecSep_0			991.42 mL	1.0 g	655142	04/03/24 09:58	KAK	EET SL
Dissolved	Analysis	9320		1			658856	04/26/24 12:09	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			660013	05/03/24 12:12	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-16
Date Collected: 03/27/24 15:11
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-39
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			756.82 mL	1.0 g	655141	04/03/24 09:55	KAK	EET SL
Total/NA	Analysis	9315		1			659273	04/30/24 20:15	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			756.82 mL	1.0 g	655142	04/03/24 09:58	KAK	EET SL
Total/NA	Analysis	9320		1			658856	04/26/24 12:09	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			659961	05/03/24 12:09	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-16
Date Collected: 03/27/24 15:28
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-40
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			990.92 mL	1.0 g	655141	04/03/24 09:55	KAK	EET SL
Dissolved	Analysis	9315		1			659271	04/30/24 20:34	SCB	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			990.92 mL	1.0 g	655142	04/03/24 09:58	KAK	EET SL
Dissolved	Analysis	9320		1			658856	04/26/24 12:09	SCB	EET SL
	Instrument ID: GFPCPURPLE									
Dissolved	Analysis	Ra226_Ra228 (D)		1			660013	05/03/24 12:12	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-17
Date Collected: 03/27/24 11:45
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-41
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			753.48 mL	1.0 g	655456	04/04/24 10:18	KAK	EET SL
Total/NA	Analysis	9315		1			658963	04/28/24 13:16	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			753.48 mL	1.0 g	655457	04/04/24 10:22	KAK	EET SL
Total/NA	Analysis	9320		1			658847	04/26/24 11:50	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			659961	05/03/24 12:09	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SW-17
Date Collected: 03/27/24 12:01
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-42
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			995.24 mL	1.0 g	655456	04/04/24 10:18	KAK	EET SL
Dissolved	Analysis	9315		1			659061	04/28/24 13:46	SCB	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			995.24 mL	1.0 g	655457	04/04/24 10:22	KAK	EET SL
Dissolved	Analysis	9320		1			658847	04/26/24 11:52	SCB	EET SL
	Instrument ID: GFPCRED									
Dissolved	Analysis	Ra226_Ra228 (D)		1			660013	05/03/24 12:13	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-01
Date Collected: 03/27/24 12:08
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-43
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			753.99 mL	1.0 g	655456	04/04/24 10:18	KAK	EET SL
Total/NA	Analysis	9315		1	1.0 mL	1.0 mL	659061	04/28/24 13:46	SCB	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			753.99 mL	1.0 g	655457	04/04/24 10:22	KAK	EET SL
Total/NA	Analysis	9320		1			658847	04/26/24 11:52	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			659961	05/03/24 12:09	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-01
Date Collected: 03/27/24 12:32
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-44
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			996.85 mL	1.0 g	655456	04/04/24 10:18	KAK	EET SL
Dissolved	Analysis	9315		1	1.0 mL	1.0 mL	659061	04/28/24 13:46	SCB	EET SL
	Instrument ID: GFPCBLUE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-2

Client Sample ID: DUP-01
Date Collected: 03/27/24 12:32
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-44
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep_0			996.85 mL	1.0 g	655457	04/04/24 10:22	KAK	EET SL
Dissolved	Analysis	9320		1			658847	04/26/24 11:52	SCB	EET SL
	Instrument ID: GFPCRED									
Dissolved	Analysis	Ra226_Ra228 (D)		1			660013	05/03/24 12:13	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-02
Date Collected: 03/27/24 07:38
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-45
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			758.83 mL	1.0 g	655456	04/04/24 10:18	KAK	EET SL
Total/NA	Analysis	9315		1	1.0 mL	1.0 mL	659061	04/28/24 13:46	SCB	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			758.83 mL	1.0 g	655457	04/04/24 10:22	KAK	EET SL
Total/NA	Analysis	9320		1			658847	04/26/24 11:52	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			659961	05/03/24 12:09	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-02
Date Collected: 03/27/24 07:58
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-46
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			994.57 mL	1.0 g	655456	04/04/24 10:18	KAK	EET SL
Dissolved	Analysis	9315		1			659061	04/28/24 13:46	SCB	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			994.57 mL	1.0 g	655457	04/04/24 10:22	KAK	EET SL
Dissolved	Analysis	9320		1			658847	04/26/24 11:53	SCB	EET SL
	Instrument ID: GFPCRED									
Dissolved	Analysis	Ra226_Ra228 (D)		1			660013	05/03/24 12:13	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-03
Date Collected: 03/27/24 17:35
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-47
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			754.62 mL	1.0 g	655456	04/04/24 10:18	KAK	EET SL
Total/NA	Analysis	9315		1			659061	04/28/24 13:46	SCB	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			754.62 mL	1.0 g	655457	04/04/24 10:22	KAK	EET SL
Total/NA	Analysis	9320		1			658847	04/26/24 11:53	SCB	EET SL
	Instrument ID: GFPCRED									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-2

Client Sample ID: DUP-03
Date Collected: 03/27/24 17:35
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-47
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Ra226_Ra228		1			659961	05/03/24 12:09	FLC	EET SL

Client Sample ID: DUP-03
Date Collected: 03/27/24 17:58
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-48
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			994.61 mL	1.0 g	655456	04/04/24 10:18	KAK	EET SL
Dissolved	Analysis	9315		1			659061	04/28/24 13:47	SCB	EET SL
	Instrument ID: GFPCBLUE									
Dissolved	Prep	PrecSep_0			994.61 mL	1.0 g	655457	04/04/24 10:22	KAK	EET SL
Dissolved	Analysis	9320		1			658847	04/26/24 11:53	SCB	EET SL
	Instrument ID: GFPCRED									
Dissolved	Analysis	Ra226_Ra228 (D)		1			660013	05/03/24 12:13	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: EB-01
Date Collected: 03/27/24 07:36
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-49
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			998.01 mL	1.0 g	655456	04/04/24 10:18	KAK	EET SL
Total/NA	Analysis	9315		1			659061	04/28/24 13:47	SCB	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			998.01 mL	1.0 g	655457	04/04/24 10:22	KAK	EET SL
Total/NA	Analysis	9320		1			658847	04/26/24 12:42	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			659961	05/03/24 12:09	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: FB-01
Date Collected: 03/27/24 07:27
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-50
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			993.32 mL	1.0 g	655456	04/04/24 10:18	KAK	EET SL
Total/NA	Analysis	9315		1			659061	04/28/24 13:47	SCB	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			993.32 mL	1.0 g	655457	04/04/24 10:22	KAK	EET SL
Total/NA	Analysis	9320		1			658847	04/26/24 12:43	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			659961	05/03/24 12:09	FLC	EET SL
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-2

Client Sample ID: EB-02
Date Collected: 03/27/24 17:00
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-51
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			996.88 mL	1.0 g	655456	04/04/24 10:18	KAK	EET SL
Total/NA	Analysis	9315		1			659061	04/28/24 13:47	SCB	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			996.88 mL	1.0 g	655457	04/04/24 10:22	KAK	EET SL
Total/NA	Analysis	9320		1			658847	04/26/24 12:43	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			659961	05/03/24 12:09	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: FB-02
Date Collected: 03/27/24 16:50
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-52
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			997.24 mL	1.0 g	655456	04/04/24 10:18	KAK	EET SL
Total/NA	Analysis	9315		1			659061	04/28/24 13:47	SCB	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			997.24 mL	1.0 g	655457	04/04/24 10:22	KAK	EET SL
Total/NA	Analysis	9320		1			658847	04/26/24 12:43	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			659961	05/03/24 12:09	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: EB-03
Date Collected: 03/27/24 17:59
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-53
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			990.55 mL	1.0 g	655456	04/04/24 10:18	KAK	EET SL
Total/NA	Analysis	9315		1			659061	04/28/24 13:47	SCB	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			990.55 mL	1.0 g	655457	04/04/24 10:22	KAK	EET SL
Total/NA	Analysis	9320		1			658847	04/26/24 12:43	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			659961	05/03/24 12:09	FLC	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: FB-03
Date Collected: 03/27/24 17:47
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-54
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			990.54 mL	1.0 g	655456	04/04/24 10:18	KAK	EET SL
Total/NA	Analysis	9315		1			659063	04/28/24 13:45	SCB	EET SL
	Instrument ID: GFPCPURPLE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-2

Client Sample ID: FB-03

Date Collected: 03/27/24 17:47
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-54

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep_0			990.54 mL	1.0 g	655457	04/04/24 10:22	KAK	EET SL
Total/NA	Analysis	9320		1			658847	04/26/24 12:43	SCB	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			659961	05/03/24 12:09	FLC	EET SL
	Instrument ID: NOEQUIP									

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Analyst References:

Lab: EET SL

Batch Type: Prep

KAK = Kayla King

Batch Type: Analysis

FLC = Fernando Cruz

SCB = Sarah Bernsen

Client Sample ID: SW-1

Date Collected: 03/27/24 18:35
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-1

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.00204	U	0.128	0.128	1.00	0.274	pCi/L	04/03/24 09:48	05/02/24 12:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.5*		*30 - 110*	*04/03/24 09:48*	*05/02/24 12:38*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.697	U G	0.692	0.695	1.00	1.12	pCi/L	04/03/24 09:53	04/30/24 13:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.5*		*30 - 110*	*04/03/24 09:53*	*04/30/24 13:02*	*1*
Y Carrier	*76.6*		*30 - 110*	*04/03/24 09:53*	*04/30/24 13:02*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.695	U	0.704	0.707	5.00	1.12	pCi/L		05/03/24 09:09	1

Client Sample ID: SW-1

Date Collected: 03/27/24 18:58
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-2

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.216**		0.146	0.147	1.00	0.202	pCi/L	04/03/24 09:48	05/02/24 12:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.8*		*30 - 110*	*04/03/24 09:48*	*05/02/24 12:38*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.435	U	0.378	0.380	1.00	0.592	pCi/L	04/03/24 09:53	04/30/24 13:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.8*		*30 - 110*	*04/03/24 09:53*	*04/30/24 13:02*	*1*
Y Carrier	*78.9*		*30 - 110*	*04/03/24 09:53*	*04/30/24 13:02*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.652**		0.405	0.407	5.00	0.592	pCi/L		05/03/24 12:12	1

Client Sample ID: SW-1

Date Collected: 03/27/24 18:08
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-3

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0428	U	0.159	0.159	1.00	0.325	pCi/L	04/03/24 09:48	05/02/24 12:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*102*		*30 - 110*	*04/03/24 09:48*	*05/02/24 12:38*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.69**		0.591	0.612	1.00	0.713	pCi/L	04/03/24 09:53	04/30/24 13:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*102*		*30 - 110*	*04/03/24 09:53*	*04/30/24 13:03*	*1*
Y Carrier	*77.0*		*30 - 110*	*04/03/24 09:53*	*04/30/24 13:03*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**1.65**		0.612	0.632	5.00	0.713	pCi/L		05/03/24 09:09	1

Client Sample ID: SW-1

Date Collected: 03/27/24 18:22
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-4

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.131	U	0.155	0.155	1.00	0.254	pCi/L	04/03/24 09:48	05/02/24 12:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.8*		*30 - 110*	*04/03/24 09:48*	*05/02/24 12:38*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.349	U	0.397	0.398	1.00	0.878	pCi/L	04/03/24 09:53	04/30/24 16:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.8*		*30 - 110*	*04/03/24 09:53*	*04/30/24 16:29*	*1*
Y Carrier	*77.0*		*30 - 110*	*04/03/24 09:53*	*04/30/24 16:29*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	-0.218	U	0.426	0.427	5.00	0.878	pCi/L		05/03/24 12:12	1

Client Sample ID: SW-2

Date Collected: 03/27/24 17:38
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-5

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.240	U	0.207	0.208	1.00	0.315	pCi/L	04/03/24 09:48	05/02/24 12:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.0*		*30 - 110*	*04/03/24 09:48*	*05/02/24 12:31*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.105	U	0.471	0.471	1.00	0.856	pCi/L	04/03/24 09:53	04/30/24 12:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.0*		*30 - 110*	*04/03/24 09:53*	*04/30/24 12:56*	*1*
Y Carrier	*77.4*		*30 - 110*	*04/03/24 09:53*	*04/30/24 12:56*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.345	U	0.514	0.515	5.00	0.856	pCi/L		05/03/24 09:09	1

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-2

Client Sample ID: SW-2

Date Collected: 03/27/24 17:50
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-6

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.171	U	0.144	0.144	1.00	0.215	pCi/L	04/03/24 09:48	05/02/24 12:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.8*		*30 - 110*	*04/03/24 09:48*	*05/02/24 12:31*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.103	U	0.391	0.391	1.00	0.701	pCi/L	04/03/24 09:53	04/30/24 12:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.8*		*30 - 110*	*04/03/24 09:53*	*04/30/24 12:56*	*1*
Y Carrier	*77.4*		*30 - 110*	*04/03/24 09:53*	*04/30/24 12:56*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.274	U	0.417	0.417	5.00	0.701	pCi/L		05/03/24 12:12	1

Client Sample ID: SW-2

Date Collected: 03/27/24 17:10
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-7

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00855	U	0.129	0.129	1.00	0.260	pCi/L	04/03/24 09:48	05/02/24 12:32	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.0*		*30 - 110*	*04/03/24 09:48*	*05/02/24 12:32*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.329	U	0.464	0.465	1.00	0.782	pCi/L	04/03/24 09:53	04/30/24 12:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.0*		*30 - 110*	*04/03/24 09:53*	*04/30/24 12:56*	*1*
Y Carrier	*78.1*		*30 - 110*	*04/03/24 09:53*	*04/30/24 12:56*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.338	U	0.482	0.483	5.00	0.782	pCi/L		05/03/24 09:09	1

Client Sample ID: SW-2

Date Collected: 03/27/24 17:25
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-8

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.107	U	0.133	0.134	1.00	0.220	pCi/L	04/03/24 09:48	05/02/24 12:32	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.3*		*30 - 110*	*04/03/24 09:48*	*05/02/24 12:32*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.149	U	0.348	0.349	1.00	0.614	pCi/L	04/03/24 09:53	04/30/24 12:57	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.3*		*30 - 110*	*04/03/24 09:53*	*04/30/24 12:57*	*1*
Y Carrier	*78.5*		*30 - 110*	*04/03/24 09:53*	*04/30/24 12:57*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.256	U	0.373	0.374	5.00	0.614	pCi/L		05/03/24 12:12	1

Client Sample ID: SW-3

Date Collected: 03/27/24 10:02
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-9

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0360	U	0.140	0.140	1.00	0.269	pCi/L	04/03/24 09:48	05/02/24 12:32	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.5*		*30 - 110*	*04/03/24 09:48*	*05/02/24 12:32*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.738	U	0.552	0.556	1.00	0.843	pCi/L	04/03/24 09:53	04/30/24 12:57	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.5*		*30 - 110*	*04/03/24 09:53*	*04/30/24 12:57*	*1*
Y Carrier	*75.9*		*30 - 110*	*04/03/24 09:53*	*04/30/24 12:57*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.774	U	0.569	0.573	5.00	0.843	pCi/L		05/03/24 09:09	1

Client Sample ID: SW-3

Date Collected: 03/27/24 10:17
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-10

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0176	U	0.134	0.134	1.00	0.261	pCi/L	04/03/24 09:48	05/02/24 12:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.5*		*30 - 110*	*04/03/24 09:48*	*05/02/24 12:37*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.236	U	0.380	0.380	1.00	0.775	pCi/L	04/03/24 09:53	04/30/24 12:57	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.5*		*30 - 110*	*04/03/24 09:53*	*04/30/24 12:57*	*1*
Y Carrier	*77.8*		*30 - 110*	*04/03/24 09:53*	*04/30/24 12:57*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	-0.219	U	0.403	0.403	5.00	0.775	pCi/L		05/03/24 12:12	1

Client Sample ID: SW-3

Date Collected: 03/27/24 10:30
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-11

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.241	U	0.197	0.198	1.00	0.294	pCi/L	04/03/24 09:48	05/02/24 12:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.0*		*30 - 110*	*04/03/24 09:48*	*05/02/24 12:37*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.178	U	0.376	0.376	1.00	0.781	pCi/L	04/03/24 09:53	04/30/24 12:57	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.0*		*30 - 110*	*04/03/24 09:53*	*04/30/24 12:57*	*1*
Y Carrier	*78.1*		*30 - 110*	*04/03/24 09:53*	*04/30/24 12:57*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.0629	U	0.424	0.425	5.00	0.781	pCi/L		05/03/24 09:09	1

Client Sample ID: SW-3

Date Collected: 03/27/24 10:40
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-12

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0405	U	0.0884	0.0885	1.00	0.164	pCi/L	04/03/24 09:48	05/02/24 14:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.0*		*30 - 110*	*04/03/24 09:48*	*05/02/24 14:10*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0750	U	0.346	0.347	1.00	0.629	pCi/L	04/03/24 09:53	04/30/24 12:57	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.0*		*30 - 110*	*04/03/24 09:53*	*04/30/24 12:57*	*1*
Y Carrier	*79.3*		*30 - 110*	*04/03/24 09:53*	*04/30/24 12:57*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.116	U	0.357	0.358	5.00	0.629	pCi/L		05/03/24 12:12	1

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-2

Client Sample ID: SW-4

Date Collected: 03/27/24 08:38
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-13

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0408	U	0.107	0.107	1.00	0.203	pCi/L	04/03/24 09:48	05/02/24 14:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.8*		*30 - 110*	*04/03/24 09:48*	*05/02/24 14:10*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.366	U	0.479	0.480	1.00	0.798	pCi/L	04/03/24 09:53	04/30/24 12:57	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.8*		*30 - 110*	*04/03/24 09:53*	*04/30/24 12:57*	*1*
Y Carrier	*79.6*		*30 - 110*	*04/03/24 09:53*	*04/30/24 12:57*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.407	U	0.491	0.492	5.00	0.798	pCi/L		05/03/24 09:09	1

Client Sample ID: SW-4

Date Collected: 03/27/24 08:58
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-14

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0638	U	0.152	0.152	1.00	0.273	pCi/L	04/03/24 09:48	05/02/24 14:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.0*		*30 - 110*	*04/03/24 09:48*	*05/02/24 14:10*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.140	U	0.404	0.404	1.00	0.719	pCi/L	04/03/24 09:53	04/30/24 12:57	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.0*		*30 - 110*	*04/03/24 09:53*	*04/30/24 12:57*	*1*
Y Carrier	*77.0*		*30 - 110*	*04/03/24 09:53*	*04/30/24 12:57*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.204	U	0.432	0.432	5.00	0.719	pCi/L		05/03/24 12:12	1

Client Sample ID: SW-5

Date Collected: 03/27/24 08:40
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-15

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0378	U	0.142	0.142	1.00	0.273	pCi/L	04/03/24 09:48	05/02/24 14:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.0*		*30 - 110*	*04/03/24 09:48*	*05/02/24 14:10*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.111	U	0.444	0.444	1.00	0.807	pCi/L	04/03/24 09:53	04/30/24 12:57	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.0*		*30 - 110*	*04/03/24 09:53*	*04/30/24 12:57*	*1*
Y Carrier	*81.1*		*30 - 110*	*04/03/24 09:53*	*04/30/24 12:57*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.149	U	0.466	0.466	5.00	0.807	pCi/L		05/03/24 12:09	1

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-2

Client Sample ID: SW-5

Date Collected: 03/27/24 08:57
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-16

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0363	U	0.0960	0.0960	1.00	0.181	pCi/L	04/03/24 09:48	05/02/24 14:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.0*		*30 - 110*	*04/03/24 09:48*	*05/02/24 14:11*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.129	U	0.313	0.313	1.00	0.558	pCi/L	04/03/24 09:53	04/30/24 12:57	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.0*		*30 - 110*	*04/03/24 09:53*	*04/30/24 12:57*	*1*
Y Carrier	*80.0*		*30 - 110*	*04/03/24 09:53*	*04/30/24 12:57*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.165	U	0.327	0.327	5.00	0.558	pCi/L		05/03/24 12:12	1

Client Sample ID: SW-5

Date Collected: 03/27/24 08:11
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-17

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0649	U	0.134	0.134	1.00	0.248	pCi/L	04/03/24 09:48	05/02/24 14:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*67.5*		*30 - 110*	*04/03/24 09:48*	*05/02/24 14:11*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.460	U G	0.695	0.696	1.00	1.17	pCi/L	04/03/24 09:53	04/30/24 12:57	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*67.5*		*30 - 110*	*04/03/24 09:53*	*04/30/24 12:57*	*1*
Y Carrier	*80.7*		*30 - 110*	*04/03/24 09:53*	*04/30/24 12:57*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.525	U	0.708	0.709	5.00	1.17	pCi/L		05/03/24 12:09	1

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-2

Client Sample ID: SW-5

Date Collected: 03/27/24 08:22
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-18

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00297	U	0.0933	0.0933	1.00	0.196	pCi/L	04/03/24 09:48	05/02/24 14:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.3*		*30 - 110*	*04/03/24 09:48*	*05/02/24 14:11*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.289	U	0.379	0.379	1.00	0.821	pCi/L	04/03/24 09:53	04/30/24 14:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.3*		*30 - 110*	*04/03/24 09:53*	*04/30/24 14:34*	*1*
Y Carrier	*75.1*		*30 - 110*	*04/03/24 09:53*	*04/30/24 14:34*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	-0.286	U	0.390	0.390	5.00	0.821	pCi/L		05/03/24 12:12	1

Client Sample ID: SW-6

Date Collected: 03/27/24 10:17
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-19

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0575	U	0.154	0.154	1.00	0.288	pCi/L	04/03/24 09:48	05/02/24 14:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.3*		*30 - 110*	*04/03/24 09:48*	*05/02/24 14:12*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.241	U G	0.490	0.490	1.00	1.03	pCi/L	04/03/24 09:53	04/30/24 14:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.3*		*30 - 110*	*04/03/24 09:53*	*04/30/24 14:34*	*1*
Y Carrier	*78.5*		*30 - 110*	*04/03/24 09:53*	*04/30/24 14:34*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	-0.184	U	0.514	0.514	5.00	1.03	pCi/L		05/03/24 12:09	1

Client Sample ID: SW-6

Date Collected: 03/27/24 10:29
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-20

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0867	U	0.103	0.103	1.00	0.168	pCi/L	04/03/24 09:48	05/02/24 14:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.8*		*30 - 110*	*04/03/24 09:48*	*05/02/24 14:12*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.395	U	0.398	0.399	1.00	0.638	pCi/L	04/03/24 09:53	04/30/24 14:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.8*		*30 - 110*	*04/03/24 09:53*	*04/30/24 14:34*	*1*
Y Carrier	*82.6*		*30 - 110*	*04/03/24 09:53*	*04/30/24 14:34*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.482	U	0.411	0.412	5.00	0.638	pCi/L		05/03/24 12:12	1

Client Sample ID: SW-6

Date Collected: 03/27/24 09:42
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-21

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0960	U	0.120	0.121	1.00	0.199	pCi/L	04/03/24 09:55	04/30/24 20:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.3*		*30 - 110*	*04/03/24 09:55*	*04/30/24 20:12*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.442	U	0.509	0.510	1.00	0.836	pCi/L	04/03/24 09:58	04/26/24 12:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.3*		*30 - 110*	*04/03/24 09:58*	*04/26/24 12:14*	*1*
Y Carrier	*77.4*		*30 - 110*	*04/03/24 09:58*	*04/26/24 12:14*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.538	U	0.523	0.524	5.00	0.836	pCi/L		05/03/24 12:09	1

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-2

Client Sample ID: SW-6

Date Collected: 03/27/24 10:00
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-22

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.191	U	0.155	0.156	1.00	0.233	pCi/L	04/03/24 09:55	04/30/24 20:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.8*		*30 - 110*	*04/03/24 09:55*	*04/30/24 20:12*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.981**		0.631	0.638	1.00	0.932	pCi/L	04/03/24 09:58	04/26/24 12:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.8*		*30 - 110*	*04/03/24 09:58*	*04/26/24 12:14*	*1*
Y Carrier	*75.9*		*30 - 110*	*04/03/24 09:58*	*04/26/24 12:14*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.17**		0.650	0.657	5.00	0.932	pCi/L		05/03/24 12:12	1

Client Sample ID: SW-9

Date Collected: 03/27/24 10:57
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-23

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.253**		0.146	0.148	1.00	0.192	pCi/L	04/03/24 09:55	04/30/24 20:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.3*		*30 - 110*	*04/03/24 09:55*	*04/30/24 20:12*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.399	U	0.459	0.461	1.00	0.754	pCi/L	04/03/24 09:58	04/26/24 12:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.3*		*30 - 110*	*04/03/24 09:58*	*04/26/24 12:14*	*1*
Y Carrier	*82.6*		*30 - 110*	*04/03/24 09:58*	*04/26/24 12:14*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.652	U	0.482	0.484	5.00	0.754	pCi/L		05/03/24 12:09	1

Client Sample ID: SW-9

Date Collected: 03/27/24 11:10
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-24

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.134	U	0.0962	0.0969	1.00	0.135	pCi/L	04/03/24 09:55	04/30/24 20:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.5*		*30 - 110*	*04/03/24 09:55*	*04/30/24 20:12*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0737	U	0.308	0.308	1.00	0.558	pCi/L	04/03/24 09:58	04/26/24 12:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.5*		*30 - 110*	*04/03/24 09:58*	*04/26/24 12:14*	*1*
Y Carrier	*84.9*		*30 - 110*	*04/03/24 09:58*	*04/26/24 12:14*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.207	U	0.323	0.323	5.00	0.558	pCi/L		05/03/24 12:12	1

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-2

Client Sample ID: SW-9

Date Collected: 03/27/24 11:23
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-25

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.187	U	0.145	0.146	1.00	0.210	pCi/L	04/03/24 09:55	04/30/24 20:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.0*		*30 - 110*	*04/03/24 09:55*	*04/30/24 20:12*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.447	U	0.532	0.533	1.00	0.877	pCi/L	04/03/24 09:58	04/26/24 12:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.0*		*30 - 110*	*04/03/24 09:58*	*04/26/24 12:14*	*1*
Y Carrier	*83.4*		*30 - 110*	*04/03/24 09:58*	*04/26/24 12:14*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.634	U	0.551	0.553	5.00	0.877	pCi/L		05/03/24 12:09	1

Client Sample ID: SW-9

Date Collected: 03/27/24 11:35
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-26

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.164**		0.111	0.112	1.00	0.156	pCi/L	04/03/24 09:55	04/30/24 20:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.5*		*30 - 110*	*04/03/24 09:55*	*04/30/24 20:12*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.505	U	0.362	0.365	1.00	0.546	pCi/L	04/03/24 09:58	04/26/24 12:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.5*		*30 - 110*	*04/03/24 09:58*	*04/26/24 12:14*	*1*
Y Carrier	*85.2*		*30 - 110*	*04/03/24 09:58*	*04/26/24 12:14*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.669**		0.379	0.382	5.00	0.546	pCi/L		05/03/24 12:12	1

Client Sample ID: SW-10

Date Collected: 03/27/24 11:59
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-27

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.136	U	0.123	0.124	1.00	0.187	pCi/L	04/03/24 09:55	04/30/24 20:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.0*		*30 - 110*	*04/03/24 09:55*	*04/30/24 20:12*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.28**		0.601	0.612	1.00	0.813	pCi/L	04/03/24 09:58	04/26/24 12:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.0*		*30 - 110*	*04/03/24 09:58*	*04/26/24 12:15*	*1*
Y Carrier	*80.0*		*30 - 110*	*04/03/24 09:58*	*04/26/24 12:15*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**1.41**		0.613	0.624	5.00	0.813	pCi/L		05/03/24 12:09	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-2

Client Sample ID: SW-10

Date Collected: 03/27/24 12:10
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-28

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.116	U	0.0966	0.0972	1.00	0.142	pCi/L	04/03/24 09:55	04/30/24 20:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.8*		*30 - 110*	*04/03/24 09:55*	*04/30/24 20:13*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.391	U	0.348	0.350	1.00	0.545	pCi/L	04/03/24 09:58	04/26/24 12:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.8*		*30 - 110*	*04/03/24 09:58*	*04/26/24 12:15*	*1*
Y Carrier	*83.7*		*30 - 110*	*04/03/24 09:58*	*04/26/24 12:15*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.507	U	0.361	0.363	5.00	0.545	pCi/L		05/03/24 12:12	1

Client Sample ID: SW-11

Date Collected: 03/27/24 12:30
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-29

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.175	U	0.138	0.139	1.00	0.201	pCi/L	04/03/24 09:55	04/30/24 20:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.0*		*30 - 110*	*04/03/24 09:55*	*04/30/24 20:13*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.185	U	0.488	0.488	1.00	0.860	pCi/L	04/03/24 09:58	04/26/24 12:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.0*		*30 - 110*	*04/03/24 09:58*	*04/26/24 12:15*	*1*
Y Carrier	*83.0*		*30 - 110*	*04/03/24 09:58*	*04/26/24 12:15*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.360	U	0.507	0.507	5.00	0.860	pCi/L		05/03/24 12:09	1

Client Sample ID: SW-11

Date Collected: 03/27/24 12:45
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-30

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.194		0.114	0.116	1.00	0.146	pCi/L	04/03/24 09:55	04/30/24 20:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.3*		*30 - 110*	*04/03/24 09:55*	*04/30/24 20:13*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.569		0.377	0.381	1.00	0.551	pCi/L	04/03/24 09:58	04/26/24 12:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.3*		*30 - 110*	*04/03/24 09:58*	*04/26/24 12:15*	*1*
Y Carrier	*84.1*		*30 - 110*	*04/03/24 09:58*	*04/26/24 12:15*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.763		0.394	0.398	5.00	0.551	pCi/L		05/03/24 12:12	1

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-2

Client Sample ID: SW-12

Date Collected: 03/27/24 13:08
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-31

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.165	U	0.122	0.123	1.00	0.167	pCi/L	04/03/24 09:55	04/30/24 20:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.3*		*30 - 110*	*04/03/24 09:55*	*04/30/24 20:12*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.327	U	0.458	0.459	1.00	0.771	pCi/L	04/03/24 09:58	04/26/24 12:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.3*		*30 - 110*	*04/03/24 09:58*	*04/26/24 12:15*	*1*
Y Carrier	*85.6*		*30 - 110*	*04/03/24 09:58*	*04/26/24 12:15*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.493	U	0.474	0.475	5.00	0.771	pCi/L		05/03/24 12:09	1

Client Sample ID: SW-12

Date Collected: 03/27/24 13:32
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-32

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.126	U	0.0972	0.0979	1.00	0.136	pCi/L	04/03/24 09:55	04/30/24 20:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.0*		*30 - 110*	*04/03/24 09:55*	*04/30/24 20:12*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.419	U	0.416	0.418	1.00	0.669	pCi/L	04/03/24 09:58	04/26/24 12:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.0*		*30 - 110*	*04/03/24 09:58*	*04/26/24 12:15*	*1*
Y Carrier	*85.6*		*30 - 110*	*04/03/24 09:58*	*04/26/24 12:15*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.545	U	0.427	0.429	5.00	0.669	pCi/L		05/03/24 12:12	1

Client Sample ID: SW-13

Date Collected: 03/27/24 12:38
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-33

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.219	U	0.172	0.174	1.00	0.258	pCi/L	04/03/24 09:55	04/30/24 20:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.0*		*30 - 110*	*04/03/24 09:55*	*04/30/24 20:12*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.05**		0.544	0.552	1.00	0.752	pCi/L	04/03/24 09:58	04/26/24 12:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.0*		*30 - 110*	*04/03/24 09:58*	*04/26/24 12:15*	*1*
Y Carrier	*93.8*		*30 - 110*	*04/03/24 09:58*	*04/26/24 12:15*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**1.26**		0.571	0.579	5.00	0.752	pCi/L		05/03/24 12:09	1

Client Sample ID: SW-13

Date Collected: 03/27/24 12:50
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-34

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.152**		0.101	0.102	1.00	0.137	pCi/L	04/03/24 09:55	04/30/24 20:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.3*		*30 - 110*	*04/03/24 09:55*	*04/30/24 20:12*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.278	U	0.376	0.377	1.00	0.628	pCi/L	04/03/24 09:58	04/26/24 12:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.3*		*30 - 110*	*04/03/24 09:58*	*04/26/24 12:16*	*1*
Y Carrier	*87.9*		*30 - 110*	*04/03/24 09:58*	*04/26/24 12:16*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.430	U	0.389	0.391	5.00	0.628	pCi/L		05/03/24 12:12	1

Client Sample ID: SW-14

Date Collected: 03/27/24 13:38
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-35

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.109	U	0.102	0.102	1.00	0.152	pCi/L	04/03/24 09:55	04/30/24 20:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.3*		*30 - 110*	*04/03/24 09:55*	*04/30/24 20:14*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.832**		0.502	0.508	1.00	0.731	pCi/L	04/03/24 09:58	04/26/24 12:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.3*		*30 - 110*	*04/03/24 09:58*	*04/26/24 12:16*	*1*
Y Carrier	*85.6*		*30 - 110*	*04/03/24 09:58*	*04/26/24 12:16*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.941**		0.512	0.518	5.00	0.731	pCi/L		05/03/24 12:09	1

Client Sample ID: SW-14

Date Collected: 03/27/24 13:52
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-36

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.116	U	0.0916	0.0922	1.00	0.130	pCi/L	04/03/24 09:55	04/30/24 20:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.0*		*30 - 110*	*04/03/24 09:55*	*04/30/24 20:14*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.635**		0.404	0.408	1.00	0.591	pCi/L	04/03/24 09:58	04/26/24 12:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.0*		*30 - 110*	*04/03/24 09:58*	*04/26/24 12:16*	*1*
Y Carrier	*81.5*		*30 - 110*	*04/03/24 09:58*	*04/26/24 12:16*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.752**		0.414	0.418	5.00	0.591	pCi/L		05/03/24 12:12	1

Client Sample ID: SW-15

Date Collected: 03/27/24 14:24
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-37

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.139	U	0.119	0.120	1.00	0.173	pCi/L	04/03/24 09:55	04/30/24 20:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.0*		*30 - 110*	*04/03/24 09:55*	*04/30/24 20:14*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.456	U G	0.712	0.714	1.00	1.20	pCi/L	04/03/24 09:58	04/26/24 12:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.0*		*30 - 110*	*04/03/24 09:58*	*04/26/24 12:16*	*1*
Y Carrier	*75.1*		*30 - 110*	*04/03/24 09:58*	*04/26/24 12:16*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.594	U	0.722	0.724	5.00	1.20	pCi/L		05/03/24 12:09	1

Client Sample ID: SW-15

Date Collected: 03/27/24 14:40
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-38

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.142**		0.0978	0.0987	1.00	0.133	pCi/L	04/03/24 09:55	04/30/24 20:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.8*		*30 - 110*	*04/03/24 09:55*	*04/30/24 20:15*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.115	U	0.362	0.362	1.00	0.640	pCi/L	04/03/24 09:58	04/26/24 12:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.8*		*30 - 110*	*04/03/24 09:58*	*04/26/24 12:09*	*1*
Y Carrier	*84.5*		*30 - 110*	*04/03/24 09:58*	*04/26/24 12:09*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.258	U	0.375	0.375	5.00	0.640	pCi/L		05/03/24 12:12	1

Client Sample ID: SW-16

Date Collected: 03/27/24 15:11
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-39

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.239**		0.137	0.139	1.00	0.167	pCi/L	04/03/24 09:55	04/30/24 20:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.5*		*30 - 110*	*04/03/24 09:55*	*04/30/24 20:15*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.246	U	0.491	0.491	1.00	0.850	pCi/L	04/03/24 09:58	04/26/24 12:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.5*		*30 - 110*	*04/03/24 09:58*	*04/26/24 12:09*	*1*
Y Carrier	*80.4*		*30 - 110*	*04/03/24 09:58*	*04/26/24 12:09*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.486	U	0.510	0.510	5.00	0.850	pCi/L		05/03/24 12:09	1

Client Sample ID: SW-16

Date Collected: 03/27/24 15:28
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-40

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.133**		0.0812	0.0820	1.00	0.117	pCi/L	04/03/24 09:55	04/30/24 20:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.8*		*30 - 110*	*04/03/24 09:55*	*04/30/24 20:34*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.392	U	0.411	0.412	1.00	0.666	pCi/L	04/03/24 09:58	04/26/24 12:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.8*		*30 - 110*	*04/03/24 09:58*	*04/26/24 12:09*	*1*
Y Carrier	*81.5*		*30 - 110*	*04/03/24 09:58*	*04/26/24 12:09*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.524	U	0.419	0.420	5.00	0.666	pCi/L		05/03/24 12:12	1

Client Sample ID: SW-17

Date Collected: 03/27/24 11:45
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-41

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0642	U	0.125	0.125	1.00	0.231	pCi/L	04/04/24 10:18	04/28/24 13:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*66.5*		*30 - 110*	*04/04/24 10:18*	*04/28/24 13:16*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.448	U G	0.634	0.636	1.00	1.07	pCi/L	04/04/24 10:22	04/26/24 11:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*66.5*		*30 - 110*	*04/04/24 10:22*	*04/26/24 11:50*	*1*
Y Carrier	*71.8*		*30 - 110*	*04/04/24 10:22*	*04/26/24 11:50*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.512	U	0.646	0.648	5.00	1.07	pCi/L		05/03/24 12:09	1

Client Sample ID: SW-17

Date Collected: 03/27/24 12:01
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-42

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0279	U	0.106	0.106	1.00	0.205	pCi/L	04/04/24 10:18	04/28/24 13:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.3*		*30 - 110*	*04/04/24 10:18*	*04/28/24 13:46*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.667**		0.422	0.426	1.00	0.613	pCi/L	04/04/24 10:22	04/26/24 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.3*		*30 - 110*	*04/04/24 10:22*	*04/26/24 11:52*	*1*
Y Carrier	*77.8*		*30 - 110*	*04/04/24 10:22*	*04/26/24 11:52*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.694**		0.435	0.439	5.00	0.613	pCi/L		05/03/24 12:13	1

Client Sample ID: DUP-01

Date Collected: 03/27/24 12:08
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-43

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.136	U	0.223	0.224	1.00	0.389	pCi/L	04/04/24 10:18	04/28/24 13:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*56.0*		*30 - 110*	*04/04/24 10:18*	*04/28/24 13:46*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.24	U G	0.871	0.878	1.00	1.31	pCi/L	04/04/24 10:22	04/26/24 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*56.0*		*30 - 110*	*04/04/24 10:22*	*04/26/24 11:52*	*1*
Y Carrier	*75.5*		*30 - 110*	*04/04/24 10:22*	*04/26/24 11:52*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**1.38**		0.899	0.906	5.00	1.31	pCi/L		05/03/24 12:09	1

Client Sample ID: DUP-01

Date Collected: 03/27/24 12:32
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-44

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0766	U	0.128	0.128	1.00	0.222	pCi/L	04/04/24 10:18	04/28/24 13:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.0*		*30 - 110*	*04/04/24 10:18*	*04/28/24 13:46*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.542	U	0.417	0.420	1.00	0.648	pCi/L	04/04/24 10:22	04/26/24 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.0*		*30 - 110*	*04/04/24 10:22*	*04/26/24 11:52*	*1*
Y Carrier	*79.6*		*30 - 110*	*04/04/24 10:22*	*04/26/24 11:52*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.618	U	0.436	0.439	5.00	0.648	pCi/L		05/03/24 12:13	1

Client Sample ID: DUP-02

Date Collected: 03/27/24 07:38
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-45

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0963	U	0.213	0.213	1.00	0.383	pCi/L	04/04/24 10:18	04/28/24 13:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*64.3*		*30 - 110*	*04/04/24 10:18*	*04/28/24 13:46*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.14	U G	0.805	0.812	1.00	1.23	pCi/L	04/04/24 10:22	04/26/24 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*64.3*		*30 - 110*	*04/04/24 10:22*	*04/26/24 11:52*	*1*
Y Carrier	*78.5*		*30 - 110*	*04/04/24 10:22*	*04/26/24 11:52*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**1.24**		0.833	0.839	5.00	1.23	pCi/L		05/03/24 12:09	1

Client Sample ID: DUP-02

Date Collected: 03/27/24 07:58
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-46

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.146	U	0.123	0.124	1.00	0.179	pCi/L	04/04/24 10:18	04/28/24 13:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.5*		*30 - 110*	*04/04/24 10:18*	*04/28/24 13:46*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.491	U	0.366	0.369	1.00	0.558	pCi/L	04/04/24 10:22	04/26/24 11:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.5*		*30 - 110*	*04/04/24 10:22*	*04/26/24 11:53*	*1*
Y Carrier	*84.1*		*30 - 110*	*04/04/24 10:22*	*04/26/24 11:53*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.638**		0.386	0.389	5.00	0.558	pCi/L		05/03/24 12:13	1

Client Sample ID: DUP-03

Date Collected: 03/27/24 17:35
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-47

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0310	U	0.124	0.124	1.00	0.288	pCi/L	04/04/24 10:18	04/28/24 13:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*69.0*		*30 - 110*	*04/04/24 10:18*	*04/28/24 13:46*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.172	U G	0.530	0.530	1.00	1.05	pCi/L	04/04/24 10:22	04/26/24 11:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*69.0*		*30 - 110*	*04/04/24 10:22*	*04/26/24 11:53*	*1*
Y Carrier	*76.3*		*30 - 110*	*04/04/24 10:22*	*04/26/24 11:53*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	-0.203	U	0.544	0.544	5.00	1.05	pCi/L		05/03/24 12:09	1

Client Sample ID: DUP-03

Date Collected: 03/27/24 17:58
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-48

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.155	U	0.123	0.124	1.00	0.174	pCi/L	04/04/24 10:18	04/28/24 13:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.3*		*30 - 110*	*04/04/24 10:18*	*04/28/24 13:47*	*1*

Method: SW846 9320 - Radium-228 (GFPC) - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.844**		0.411	0.418	1.00	0.548	pCi/L	04/04/24 10:22	04/26/24 11:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.3*		*30 - 110*	*04/04/24 10:22*	*04/26/24 11:53*	*1*
Y Carrier	*81.5*		*30 - 110*	*04/04/24 10:22*	*04/26/24 11:53*	*1*

Method: TAL-STL Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.999**		0.429	0.436	5.00	0.548	pCi/L		05/03/24 12:13	1

Client Sample ID: EB-01

Date Collected: 03/27/24 07:36
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-49

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0643	U	0.103	0.103	1.00	0.238	pCi/L	04/04/24 10:18	04/28/24 13:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.3*		*30 - 110*	*04/04/24 10:18*	*04/28/24 13:47*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.568	U	0.433	0.436	1.00	0.667	pCi/L	04/04/24 10:22	04/26/24 12:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.3*		*30 - 110*	*04/04/24 10:22*	*04/26/24 12:42*	*1*
Y Carrier	*76.3*		*30 - 110*	*04/04/24 10:22*	*04/26/24 12:42*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.504	U	0.445	0.448	5.00	0.667	pCi/L		05/03/24 12:09	1

Client Sample ID: FB-01

Date Collected: 03/27/24 07:27
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-50

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.00994	U	0.0741	0.0741	1.00	0.164	pCi/L	04/04/24 10:18	04/28/24 13:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.5*		*30 - 110*	*04/04/24 10:18*	*04/28/24 13:47*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.386	U	0.360	0.362	1.00	0.570	pCi/L	04/04/24 10:22	04/26/24 12:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.5*		*30 - 110*	*04/04/24 10:22*	*04/26/24 12:43*	*1*
Y Carrier	*75.5*		*30 - 110*	*04/04/24 10:22*	*04/26/24 12:43*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.376	U	0.368	0.370	5.00	0.570	pCi/L		05/03/24 12:09	1

Client Sample ID: EB-02

Date Collected: 03/27/24 17:00
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-51

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0599	U	0.0916	0.0917	1.00	0.221	pCi/L	04/04/24 10:18	04/28/24 13:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.0*		*30 - 110*	*04/04/24 10:18*	*04/28/24 13:47*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0758	U	0.316	0.316	1.00	0.619	pCi/L	04/04/24 10:22	04/26/24 12:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.0*		*30 - 110*	*04/04/24 10:22*	*04/26/24 12:43*	*1*
Y Carrier	*79.6*		*30 - 110*	*04/04/24 10:22*	*04/26/24 12:43*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	-0.136	U	0.329	0.329	5.00	0.619	pCi/L		05/03/24 12:09	1

Client Sample ID: FB-02

Date Collected: 03/27/24 16:50
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-52

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0275	U	0.0921	0.0922	1.00	0.206	pCi/L	04/04/24 10:18	04/28/24 13:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.8*		*30 - 110*	*04/04/24 10:18*	*04/28/24 13:47*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.283	U	0.415	0.416	1.00	0.702	pCi/L	04/04/24 10:22	04/26/24 12:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.8*		*30 - 110*	*04/04/24 10:22*	*04/26/24 12:43*	*1*
Y Carrier	*76.6*		*30 - 110*	*04/04/24 10:22*	*04/26/24 12:43*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.255	U	0.425	0.426	5.00	0.702	pCi/L		05/03/24 12:09	1

Client Sample ID: EB-03

Date Collected: 03/27/24 17:59
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-53

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0175	U	0.131	0.131	1.00	0.247	pCi/L	04/04/24 10:18	04/28/24 13:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.8*		*30 - 110*	*04/04/24 10:18*	*04/28/24 13:47*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0605	U	0.322	0.322	1.00	0.629	pCi/L	04/04/24 10:22	04/26/24 12:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.8*		*30 - 110*	*04/04/24 10:22*	*04/26/24 12:43*	*1*
Y Carrier	*70.3*		*30 - 110*	*04/04/24 10:22*	*04/26/24 12:43*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	-0.0430	U	0.348	0.348	5.00	0.629	pCi/L		05/03/24 12:09	1

Client Sample ID: FB-03

Date Collected: 03/27/24 17:47
Date Received: 03/29/24 09:25

Lab Sample ID: 180-171607-54

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0231	U	0.0993	0.0993	1.00	0.209	pCi/L	04/04/24 10:18	04/28/24 13:45	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.0*		*30 - 110*	*04/04/24 10:18*	*04/28/24 13:45*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.237	U	0.307	0.308	1.00	0.512	pCi/L	04/04/24 10:22	04/26/24 12:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.0*		*30 - 110*	*04/04/24 10:22*	*04/26/24 12:43*	*1*
Y Carrier	*80.0*		*30 - 110*	*04/04/24 10:22*	*04/26/24 12:43*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.214	U	0.323	0.324	5.00	0.512	pCi/L		05/03/24 12:09	1

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-655139/1-A
Matrix: Water
Analysis Batch: 659818

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 655139

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.06370	U	0.0945	0.0947	1.00	0.162	pCi/L	04/03/24 09:48	05/02/24 12:37	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.0*		*30 - 110*	*04/03/24 09:48*	*05/02/24 12:37*	*1*

Lab Sample ID: LCS 160-655139/2-A
Matrix: Water
Analysis Batch: 659818

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 655139

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	8.981		1.07	1.00	0.210	pCi/L	79	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*100*		*30 - 110*

Lab Sample ID: MB 160-655141/1-A
Matrix: Water
Analysis Batch: 659271

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 655141

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.05743	U	0.0528	0.0531	1.00	0.0824	pCi/L	04/03/24 09:55	04/30/24 20:34	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.8*		*30 - 110*	*04/03/24 09:55*	*04/30/24 20:34*	*1*

Lab Sample ID: LCS 160-655141/2-A
Matrix: Water
Analysis Batch: 659271

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 655141

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	9.900		0.994	1.00	0.116	pCi/L	87	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*99.5*		*30 - 110*

Lab Sample ID: MB 160-655456/1-A
Matrix: Water
Analysis Batch: 658963

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 655456

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.03626	U	0.0524	0.0525	1.00	0.147	pCi/L	04/04/24 10:18	04/28/24 13:14	1

Method: 9315 - Radium-226 (GFPC) (Continued)

Lab Sample ID: MB 160-655456/1-A
Matrix: Water
Analysis Batch: 658963

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 655456

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	99.5		30 - 110	04/04/24 10:18	04/28/24 13:14	1

Lab Sample ID: LCS 160-655456/2-A
Matrix: Water
Analysis Batch: 658963

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 655456

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	9.590		1.10	1.00	0.151	pCi/L	85	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	99.0		30 - 110

Lab Sample ID: 180-171607-4 DU
Matrix: Water
Analysis Batch: 659820

Client Sample ID: SW-1
Prep Type: Dissolved
Prep Batch: 655139

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.131	U		0.06539	U	0.124	1.00	0.219	pCi/L			0.24	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	87.0		30 - 110

Lab Sample ID: 180-171607-28 DU
Matrix: Water
Analysis Batch: 659272

Client Sample ID: SW-10
Prep Type: Dissolved
Prep Batch: 655141

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.116	U		0.3407		0.148	1.00	0.166	pCi/L			0.92	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	83.5		30 - 110

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-655140/1-A
Matrix: Water
Analysis Batch: 659271

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 655140

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2312	U	0.313	0.313	1.00	0.524	pCi/L	04/03/24 09:53	04/30/24 13:02	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	98.0		30 - 110	04/03/24 09:53	04/30/24 13:02	1

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: MB 160-655140/1-A
Matrix: Water
Analysis Batch: 659271

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 655140

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Y Carrier	79.6		30 - 110	04/03/24 09:53	04/30/24 13:02	1

Lab Sample ID: LCS 160-655140/2-A
Matrix: Water
Analysis Batch: 659271

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 655140

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.98	9.089		1.28	1.00	0.538	pCi/L	101	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	100		30 - 110
Y Carrier	77.4		30 - 110

Lab Sample ID: MB 160-655142/1-A
Matrix: Water
Analysis Batch: 658854

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 655142

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.1458	U	0.249	0.249	1.00	0.429	pCi/L	04/03/24 09:58	04/26/24 12:13	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	99.8		30 - 110	04/03/24 09:58	04/26/24 12:13	1
Y Carrier	87.1		30 - 110	04/03/24 09:58	04/26/24 12:13	1

Lab Sample ID: LCS 160-655142/2-A
Matrix: Water
Analysis Batch: 658854

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 655142

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.00	9.017		1.25	1.00	0.609	pCi/L	100	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	99.5		30 - 110
Y Carrier	82.2		30 - 110

Lab Sample ID: MB 160-655457/1-A
Matrix: Water
Analysis Batch: 658847

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 655457

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.3979	U	0.329	0.331	1.00	0.513	pCi/L	04/04/24 10:22	04/26/24 11:49	1

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: MB 160-655457/1-A
Matrix: Water
Analysis Batch: 658847

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 655457

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	99.5		30 - 110	04/04/24 10:22	04/26/24 11:49	1
Y Carrier	82.2		30 - 110	04/04/24 10:22	04/26/24 11:49	1

Lab Sample ID: LCS 160-655457/2-A
Matrix: Water
Analysis Batch: 658847

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 655457

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.00	9.975		1.31	1.00	0.446	pCi/L	111	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	99.0		30 - 110
Y Carrier	83.4		30 - 110

Lab Sample ID: 180-171607-4 DU
Matrix: Water
Analysis Batch: 659272

Client Sample ID: SW-1
Prep Type: Dissolved
Prep Batch: 655140

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	-0.349	U		0.02373	U	0.362	1.00	0.669	pCi/L			0.49	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	87.0		30 - 110
Y Carrier	76.6		30 - 110

Lab Sample ID: 180-171607-28 DU
Matrix: Water
Analysis Batch: 658854

Client Sample ID: SW-10
Prep Type: Dissolved
Prep Batch: 655142

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.391	U		0.4582	U	0.388	1.00	0.603	pCi/L			0.09	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	83.5		30 - 110
Y Carrier	83.4		30 - 110

Rad

Prep Batch: 655139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171607-1	SW-1	Total/NA	Water	PrecSep-21	
180-171607-2	SW-1	Dissolved	Water	PrecSep-21	
180-171607-3	SW-1	Total/NA	Water	PrecSep-21	
180-171607-4	SW-1	Dissolved	Water	PrecSep-21	
180-171607-5	SW-2	Total/NA	Water	PrecSep-21	
180-171607-6	SW-2	Dissolved	Water	PrecSep-21	
180-171607-7	SW-2	Total/NA	Water	PrecSep-21	
180-171607-8	SW-2	Dissolved	Water	PrecSep-21	
180-171607-9	SW-3	Total/NA	Water	PrecSep-21	
180-171607-10	SW-3	Dissolved	Water	PrecSep-21	
180-171607-11	SW-3	Total/NA	Water	PrecSep-21	
180-171607-12	SW-3	Dissolved	Water	PrecSep-21	
180-171607-13	SW-4	Total/NA	Water	PrecSep-21	
180-171607-14	SW-4	Dissolved	Water	PrecSep-21	
180-171607-15	SW-5	Total/NA	Water	PrecSep-21	
180-171607-16	SW-5	Dissolved	Water	PrecSep-21	
180-171607-17	SW-5	Total/NA	Water	PrecSep-21	
180-171607-18	SW-5	Dissolved	Water	PrecSep-21	
180-171607-19	SW-6	Total/NA	Water	PrecSep-21	
180-171607-20	SW-6	Dissolved	Water	PrecSep-21	
MB 160-655139/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-655139/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
180-171607-4 DU	SW-1	Dissolved	Water	PrecSep-21	

Prep Batch: 655140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171607-1	SW-1	Total/NA	Water	PrecSep_0	
180-171607-2	SW-1	Dissolved	Water	PrecSep_0	
180-171607-3	SW-1	Total/NA	Water	PrecSep_0	
180-171607-4	SW-1	Dissolved	Water	PrecSep_0	
180-171607-5	SW-2	Total/NA	Water	PrecSep_0	
180-171607-6	SW-2	Dissolved	Water	PrecSep_0	
180-171607-7	SW-2	Total/NA	Water	PrecSep_0	
180-171607-8	SW-2	Dissolved	Water	PrecSep_0	
180-171607-9	SW-3	Total/NA	Water	PrecSep_0	
180-171607-10	SW-3	Dissolved	Water	PrecSep_0	
180-171607-11	SW-3	Total/NA	Water	PrecSep_0	
180-171607-12	SW-3	Dissolved	Water	PrecSep_0	
180-171607-13	SW-4	Total/NA	Water	PrecSep_0	
180-171607-14	SW-4	Dissolved	Water	PrecSep_0	
180-171607-15	SW-5	Total/NA	Water	PrecSep_0	
180-171607-16	SW-5	Dissolved	Water	PrecSep_0	
180-171607-17	SW-5	Total/NA	Water	PrecSep_0	
180-171607-18	SW-5	Dissolved	Water	PrecSep_0	
180-171607-19	SW-6	Total/NA	Water	PrecSep_0	
180-171607-20	SW-6	Dissolved	Water	PrecSep_0	
MB 160-655140/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-655140/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
180-171607-4 DU	SW-1	Dissolved	Water	PrecSep_0	

Rad

Prep Batch: 655141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171607-21	SW-6	Total/NA	Water	PrecSep-21	
180-171607-22	SW-6	Dissolved	Water	PrecSep-21	
180-171607-23	SW-9	Total/NA	Water	PrecSep-21	
180-171607-24	SW-9	Dissolved	Water	PrecSep-21	
180-171607-25	SW-9	Total/NA	Water	PrecSep-21	
180-171607-26	SW-9	Dissolved	Water	PrecSep-21	
180-171607-27	SW-10	Total/NA	Water	PrecSep-21	
180-171607-28	SW-10	Dissolved	Water	PrecSep-21	
180-171607-29	SW-11	Total/NA	Water	PrecSep-21	
180-171607-30	SW-11	Dissolved	Water	PrecSep-21	
180-171607-31	SW-12	Total/NA	Water	PrecSep-21	
180-171607-32	SW-12	Dissolved	Water	PrecSep-21	
180-171607-33	SW-13	Total/NA	Water	PrecSep-21	
180-171607-34	SW-13	Dissolved	Water	PrecSep-21	
180-171607-35	SW-14	Total/NA	Water	PrecSep-21	
180-171607-36	SW-14	Dissolved	Water	PrecSep-21	
180-171607-37	SW-15	Total/NA	Water	PrecSep-21	
180-171607-38	SW-15	Dissolved	Water	PrecSep-21	
180-171607-39	SW-16	Total/NA	Water	PrecSep-21	
180-171607-40	SW-16	Dissolved	Water	PrecSep-21	
MB 160-655141/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-655141/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
180-171607-28 DU	SW-10	Dissolved	Water	PrecSep-21	

Prep Batch: 655142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171607-21	SW-6	Total/NA	Water	PrecSep_0	
180-171607-22	SW-6	Dissolved	Water	PrecSep_0	
180-171607-23	SW-9	Total/NA	Water	PrecSep_0	
180-171607-24	SW-9	Dissolved	Water	PrecSep_0	
180-171607-25	SW-9	Total/NA	Water	PrecSep_0	
180-171607-26	SW-9	Dissolved	Water	PrecSep_0	
180-171607-27	SW-10	Total/NA	Water	PrecSep_0	
180-171607-28	SW-10	Dissolved	Water	PrecSep_0	
180-171607-29	SW-11	Total/NA	Water	PrecSep_0	
180-171607-30	SW-11	Dissolved	Water	PrecSep_0	
180-171607-31	SW-12	Total/NA	Water	PrecSep_0	
180-171607-32	SW-12	Dissolved	Water	PrecSep_0	
180-171607-33	SW-13	Total/NA	Water	PrecSep_0	
180-171607-34	SW-13	Dissolved	Water	PrecSep_0	
180-171607-35	SW-14	Total/NA	Water	PrecSep_0	
180-171607-36	SW-14	Dissolved	Water	PrecSep_0	
180-171607-37	SW-15	Total/NA	Water	PrecSep_0	
180-171607-38	SW-15	Dissolved	Water	PrecSep_0	
180-171607-39	SW-16	Total/NA	Water	PrecSep_0	
180-171607-40	SW-16	Dissolved	Water	PrecSep_0	
MB 160-655142/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-655142/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
180-171607-28 DU	SW-10	Dissolved	Water	PrecSep_0	

QC Association Summary

Client: Southern Company
Project/Site: Plant Watson AP Surfacewater

Job ID: 180-171607-2

Rad

Prep Batch: 655456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171607-41	SW-17	Total/NA	Water	PrecSep-21	
180-171607-42	SW-17	Dissolved	Water	PrecSep-21	
180-171607-43	DUP-01	Total/NA	Water	PrecSep-21	
180-171607-44	DUP-01	Dissolved	Water	PrecSep-21	
180-171607-45	DUP-02	Total/NA	Water	PrecSep-21	
180-171607-46	DUP-02	Dissolved	Water	PrecSep-21	
180-171607-47	DUP-03	Total/NA	Water	PrecSep-21	
180-171607-48	DUP-03	Dissolved	Water	PrecSep-21	
180-171607-49	EB-01	Total/NA	Water	PrecSep-21	
180-171607-50	FB-01	Total/NA	Water	PrecSep-21	
180-171607-51	EB-02	Total/NA	Water	PrecSep-21	
180-171607-52	FB-02	Total/NA	Water	PrecSep-21	
180-171607-53	EB-03	Total/NA	Water	PrecSep-21	
180-171607-54	FB-03	Total/NA	Water	PrecSep-21	
MB 160-655456/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-655456/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 655457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-171607-41	SW-17	Total/NA	Water	PrecSep_0	
180-171607-42	SW-17	Dissolved	Water	PrecSep_0	
180-171607-43	DUP-01	Total/NA	Water	PrecSep_0	
180-171607-44	DUP-01	Dissolved	Water	PrecSep_0	
180-171607-45	DUP-02	Total/NA	Water	PrecSep_0	
180-171607-46	DUP-02	Dissolved	Water	PrecSep_0	
180-171607-47	DUP-03	Total/NA	Water	PrecSep_0	
180-171607-48	DUP-03	Dissolved	Water	PrecSep_0	
180-171607-49	EB-01	Total/NA	Water	PrecSep_0	
180-171607-50	FB-01	Total/NA	Water	PrecSep_0	
180-171607-51	EB-02	Total/NA	Water	PrecSep_0	
180-171607-52	FB-02	Total/NA	Water	PrecSep_0	
180-171607-53	EB-03	Total/NA	Water	PrecSep_0	
180-171607-54	FB-03	Total/NA	Water	PrecSep_0	
MB 160-655457/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-655457/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Rick Heyendorf / Todd Voris / Keith Krisman	Lab PM: Brown, Shali	Carrier Tracking No(s)	COC No.
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: Page 1 of 5
Company: SCS				Job #

Address	Due Date Requested:
3535 Colonnade Pkwy Bin S 530 EC	
City: Birmingham	TAT Requested (days):
State, Zip: Alabama	
Phone: 205 992 6283	PO #:
Email: SCS Contacts Trey Singleton / Annelyse Helms	WO #:
Project Name: Watson Surfacewater	Project #: 18020186
Site:	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissolved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined	****Dissolved Samples are Field Filtered****	Total Number of containers	Special Instructions/Note:
			Preservation Code:														
SW-1	3-27-24	1835	G	W	NO		X	X	X	X						5	Depth-1'
SW-1	3-27-24	1858	G	W	YES						X	X	X	X		5	Depth-1'
SW-1	3-27-24	1808	G	W	NO		X	X	X	X						5	Depth-7'
SW-1	3-27-24	1822	G	W	YES						X	X	X	X		5	Depth-7'
SW-2	3-27-24	1738	G	W	NO		X	X	X	X						5	Depth-1'
SW-2	3-27-24	1750	G	W	YES						X	X	X	X		5	Depth-1'
SW-2	3-27-24	1710	G	W	NO		X	X	X	X						5	Depth-7'
SW-2	3-27-24	1725	G	W	YES						X	X	X	X		5	Depth-7'
SW-3	3-27-24	1002	G	W	NO		X	X	X	X						5	Depth-1'
SW-3	3-27-24	1017	G	W	YES						X	X	X	X		5	Depth-1'
SW-3	3-27-24	1030	G	W	NO		X	X	X	X						5	Depth-4'

180-171607 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	3-28-24 1415	RDK		03/29/24 0925	EPI-HNE
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No : | Cooler Temperature(s) °C and Other Remarks

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Rick Hagendorfer / Josh Voreis / Keith Krisman	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset com		Page: Page 275
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: Alabama				
Phone: 205.992 6283	PO #:			
Email: SCS Contacts - Trey Singleton / Annelyse Helms	WO #:			
Project Name: Watson Surfacewater	Project #: 18020186			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissolved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined	****Dissolved Samples are Field Filtered****	Total Number of containers	Special Instructions/Note:
			Preservation Code:														
SW-3	3-27-24	1040	G	W	YES						X	X	X	X		5	Depth-4'
SW-4	3-27-24	0838	G	W	NO		X	X	X	X						5	Depth-1'5"
SW-4	3-27-24	0858	G	W	YES						X	X	X	X		5	Depth-1'5"
SW-5	3-27-24	0840	G	W	NO		X	X	X	X						5	Depth-1'
SW-5	3-27-24	0857	G	W	YES						X	X	X	X		5	Depth 1'
SW-5	3-27-24	0811	G	W	NO		X	X	X	X						5	Depth-13'
SW-5	3-27-24	0822	G	W	YES						X	X	X	X		5	Depth-13'
SW-6	3-27-24	1017	G	W	NO		X	X	X	X						5	Depth-1'
SW-6	3-27-24	1029	G	W	YES						X	X	X	X		5	Depth-1'
SW-6	3-27-24	0942	G	W	NO		X	X	X	X						5	Depth 4'5"
SW-6	3-27-24	1000	G	W	YES						X	X	X	X		5	Depth 4'5"

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company
	3-28 24 1415	ROH ENV		03/29/24 0925	EP:HNE
Relinquished by:	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks

Ver. 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Rick Hegenbarth / Todd Voras / Keith Krisman	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: 3 of 5
Company: SCS				Job #:

Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:
City: Birmingham	TAT Requested (days):
State, Zip: Alabama	
Phone: 205 992 6283	PO #:
Email: SCS Contacts - Trey Singleton / Annelyse Helms	WO #:
Project Name: Watson Surfacewater	Project #: 18020186
Site	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Preservation Code:	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissolved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined	***Dissolved Samples are Field Filtered****	Total Number of containers	Special Instructions/Note:
SW-9	3-27-24	1057	G	W	NO			X	X	X	X						5	Depth-1'
SW-9	3-27-24	1110	G	W	YES							X	X	X	X		5	Depth-1'
SW-9	3-27-24	1123	G	W	NO			X	X	X	X						5	Depth-4'
SW-9	3-27-24	1135	G	W	YES							X	X	X	X		5	Depth-4'
SW-10	3-27-24	1159	G	W	NO			X	X	X	X						5	Depth-2'
SW-10	3-27-24	1210	G	W	YES							X	X	X	X		5	Depth-2'
SW-11	3-27-24	1230	G	W	NO			X	X	X	X						5	Depth-1'
SW-11	3-27-24	1245	G	W	YES							X	X	X	X		5	Depth-1'
SW-12	3-27-24	1308	G	W	NO			X	X	X	X						5	Depth-1'
SW-12	3-27-24	1332	G	W	YES							X	X	X	X		5	Depth-1'
SW-13	3-27-24	1238	G	W	NO			X	X	X	X						5	Depth-1'5"

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time:	Method of Shipment:

Relinquished by:	Date/Time: 3-28-24 1415	Company: ROHEM	Received by:	Date/Time: 03/29/24 0925	Company: EP:HNC
Relinquished by:	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by	Date/Time.	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks

Ver. 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Kirk Hagendorfer / Todd Vorcis / Keith Krisman	Lab PM: Brown, Shali	Carrier Tracking No(s)	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: Page 4 of 5
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: Alabama				
Phone: 205.992.6283	PO #:			
Email: SCS Contacts - Trey Singleton / Annelyse Helms	WO #:			
Project Name: Watson Surfacewater	Project #: 18020186			
Site:	SSOW#:			

Preservation Codes:
A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA
M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify)
Other:

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissoved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined	****Dissolved Samples are Field Filtered****	Total Number of containers	Special Instructions/Note:
			Preservation Code:														
SW-13	3-27-24	1250	G	W	YES						X	X	X	X		5	Depth - 1'5"
SW-14	3-27-24	1338	G	W	NO		X	X	X	X						5	Depth - 1'5"
SW-14	3-27-24	1350 ROH 3-28-24	G	W	YES						X	X	X	X		5	Depth - 1'5"
SW-15	3-27-24	1424	G	W	NO		X	X	X	X						5	Depth - 1'5"
SW-15	3-27-24	1440	G	W	YES						X	X	X	X		5	Depth - 1'5"
SW-16	3-27-24	1511	G	W	NO		X	X	X	X						5	Depth - 1'5"
SW-16	3-27-24	1528	G	W	YES						X	X	X	X		5	Depth - 1'5"
SW-17	3-27-24	1145	G	W	NO		X	X	X	X						5	Depth - 1'
SW-17	3-27-24	1201	G	W	YES						X	X	X	X		5	Depth - 1'
DUP-01	3-27-24	~~1435~~ 1208 ROH	G	W	NO		X	X	X	X						5	Depth - 1'
DUP-01	3-27-24	~~1458~~ 1232 ROH	G	W	YES						X	X	X	X		6	Depth - 1'

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date:	Time:	Method of Shipment:		
Relinquished by: [signature]	Date/Time: 3-28-24 1415	Company: ROH Env.	Received by: [signature]	Date/Time: 03/29/24 0925	Company: ETA-HNE
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks

Ver: 01/16/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Rick Hagendorfer / TODD Voreis / Keith Krisman	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 850-336-0192	E-Mail: shali.brown@eurofinset.com		Page: Page 5 of 5
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: Alabama				
Phone: 205 992 6283	PO #:			
Email: SCS Contacts - Trey Singleton / Annelyse Helms	WO #:			
Project Name: Watson Surfacewater	Project #: 18020186			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total 6020 Spp III & IV Custom 14 + Mercury	2540C Total Dissolved Solids	300 Chloride Fluoride Sulfate	Total Radium 226/228 + Combined	* Dissolved 6020 Spp III & IV Custom 14 + Mercury	* 2540C Total Dissolved Solids (Field Filtered)	* 300 Chloride Fluoride Sulfate (Field Filtered)	* Dissolved Radium 226/228 + Combined	****Dissolved Samples are Field Filtered****	Total Number of containers	Special Instructions/Note:
			Preservation Code:														
Dup-02	3-27-24	0739	G	W	NO		X	X	X	X						5	Depth-1'5"
Dup-02	3-27-24	0758	G	W	YES						X	X	X	X		5	Depth-1'5"
Dup-03	3-27-24	1735	G	W	NO		X	X	X	X						5	Depth-1'
Dup-03	3-27-24	1758	G	W	YES						X	X	X	X		5	Depth-1'
EB-01	3-27-24	0736	G	W	NO		X	X	X	X						5	
FB-01	3-27-24	0727	G	W	NO		X	X	X	X						5	
EB-02	3-27-24	1700	G	W	NO		X	X	X	X						5	
FB-02	3-27-24	1650	G	W	NO		X	X	X	X						5	
EB-03	3-27-24	1759	G	W	NO		X	X	X	X						5	
FB-03	3-27-24	1747	G	W	NO		X	X	X	X						5	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	3-28-24 1415	ADHEN.	[signature]	03/29/24 0925	EPHNE
2	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
3	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No | Custody Seal No. | Cooler Temperature(s) °C and Other Remarks

Ver: 01/16/2019

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone 412-963-7058 Fax 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Brown, Shali	Carrier Tracking No(s)	COC No: 180-510719 1
Client Contact: Shipping/Receiving	Phone	E-Mail: Shali Brown@et eurofinsus com	State of Origin: Georgia	Page: Page 1 of 6
Company: TestAmerica Laboratories, Inc		Accreditations Required (See note)		Job #: 180-171607-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 5/2/2024			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email	WO #:			
Project Name: Plant Watson AP Surfacewater	Project #: 18020186			
Site	SSOW#:			

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	9315_Ra226/FIELD_FLTRD Radium 226 (Field Filtered)	9320_Ra228/FIELD_FLTRD Radium 228 (Field Filtered)	RA226_228GPFC_D/FIELD_FLTRD (MOD) Local Method	Total Number of containers	Special Instructions/Note:
				Preservation Code:										
SW-1 (180-171607-1)	3/27/24	18.35 Eastern		Water			X	X	X				2	
SW-1 (180-171607-2)	3/27/24	18 58 Eastern		Water						X	X	X	2	
SW-1 (180-171607-3)	3/27/24	18 08 Eastern		Water			X	X	X				2	
SW-1 (180-171607-4)	3/27/24	18 22 Eastern		Water						X	X	X	2	
SW-2 (180-171607-5)	3/27/24	17 38 Eastern		Water			X	X	X				2	
SW-2 (180-171607-6)	3/27/24	17 50 Eastern		Water						X	X	X	2	
SW-2 (180-171607-7)	3/27/24	17 10 Eastern		Water			X	X	X				2	
SW-2 (180-171607-8)	3/27/24	17 25 Eastern		Water						X	X	X	2	
SW-3 (180-171607-9)	3/27/24	10 02 Eastern		Water			X	X	X				2	

Note Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ________ *Months*

Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank. 2

Special Instructions/QC Requirements

Empty Kit Relinquished by		Date	Time	Method of Shipment:	
Relinquished by: [signature]	Date/Time: 4-1-24 1700	Company: [signature]	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Custody Seals Intact Δ Yes Δ No	Custody Seal No..		Cooler Temperature(s) °C and Other Remarks		

Ver: 06/08/2021

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone 412-963-7058 Fax 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM: Brown, Shali	Carrier Tracking No(s)	COC No: 180-510719 2
Client Contact: Shipping/Receiving	Phone	E-Mail: Shali Brown@et eurofinsus com	State of Origin: Georgia	Page: Page 2 of 6
Company: TestAmerica Laboratories, Inc		Accreditations Required (See note)		Job #: 180-171607-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 5/2/2024			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email	WO #:			
Project Name: Plant Watson AP Surfacewater	Project #: 18020186			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	9315_Ra226/FIELD_FLTRD Radium 226 (Field Filtered)	9320_Ra228/FIELD_FLTRD Radium 228 (Field Filtered)	RA226_228GPFC_D/FIELD_FLTRD (MOD) Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
SW-3 (180-171607-10)	3/27/24	10 17 Eastern		Water						X	X	X	2	
SW-3 (180-171607-11)	3/27/24	10 30 Eastern		Water			X	X	X				2	
SW-3 (180-171607-12)	3/27/24	10 40 Eastern		Water						X	X	X	2	
SW-4 (180-171607-13)	3/27/24	08 38 Eastern		Water			X	X	X				2	
SW-4 (180-171607-14)	3/27/24	08 58 Eastern		Water						X	X	X	2	
SW-5 (180-171607-15)	3/27/24	08.40 Eastern		Water			X	X	X				2	
SW-5 (180-171607-16)	3/27/24	08 57 Eastern		Water						X	X	X	2	
SW-5 (180-171607-17)	3/27/24	08 11 Eastern		Water			X	X	X				2	
SW-5 (180-171607-18)	3/27/24	08 22 Eastern		Water						X	X	X	2	

Note Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by:	Date/Time: 4-1-24 1700	Company: EPTMK	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Ver: 06/08/2021

5/3/2024

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone 412-963-7058 Fax 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM: Brown, Shali	Carrier Tracking No(s)	COC No: 180-510719 3
Client Contact: Shipping/Receiving	Phone	E-Mail: Shali Brown@et eurofinsus com	State of Origin: Georgia	Page: Page 3 of 6
Company: TestAmerica Laboratories, Inc		Accreditations Required (See note)		Job #: 180-171607-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 5/2/2024			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email	WO #:			
Project Name: Plant Watson AP Surfacewater	Project #: 18020186			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	9315_Ra226/FIELD_FLTRD Radium 226 (Field Filtered)	9320_Ra228/FIELD_FLTRD Radium 228 (Field Filtered)	RA226_228GPFC_D/FIELD_FLTRD (MOD) Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
SW-6 (180-171607-19)	3/27/24	10 17 Eastern		Water			X	X	X				2	
SW-6 (180-171607-20)	3/27/24	10 29 Eastern		Water						X	X	X	2	
SW-6 (180-171607-21)	3/27/24	09 42 Eastern		Water			X	X	X				2	
SW-6 (180-171607-22)	3/27/24	10 00 Eastern		Water						X	X	X	2	
SW-9 (180-171607-23)	3/27/24	10 57 Eastern		Water			X	X	X				2	
SW-9 (180-171607-24)	3/27/24	11 10 Eastern		Water						X	X	X	2	
SW-9 (180-171607-25)	3/27/24	11 23 Eastern		Water			X	X	X				2	
SW-9 (180-171607-26)	3/27/24	11 35 Eastern		Water						X	X	X	2	
SW-10 (180-171607-27)	3/27/24	11 59 Eastern		Water			X	X	X				2	

Note Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	4/1/24 1700	FedEx			
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time.	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks

Ver: 06/08/2021

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM: Brown, Shali	Carrier Tracking No(s)	COC No: 180-510719 4
Client Contact: Shipping/Receiving	Phone	E-Mail: Shali Brown@et eurofinsus com	State of Origin: Georgia	Page: Page 4 of 6
Company: TestAmerica Laboratories, Inc		Accreditations Required (See note)		Job #: 180-171607-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 5/2/2024			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email	WO #:			
Project Name: Plant Watson AP Surfacewater	Project #: 18020186			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	9315_Ra226/FIELD_FLTRD Radium 226 (Field Filtered)	9320_Ra228/FIELD_FLTRD Radium 228 (Field Filtered)	RA226_228GPFC_D/FIELD_FLTRD (MOD) Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
SW-10 (180-171607-28)	3/27/24	12 10 Eastern		Water						X	X	X	2	
SW-11 (180-171607-29)	3/27/24	12 30 Eastern		Water			X	X	X				2	
SW-11 (180-171607-30)	3/27/24	12 45 Eastern		Water						X	X	X	2	
SW-12 (180-171607-31)	3/27/24	13 08 Eastern		Water			X	X	X				2	
SW-12 (180-171607-32)	3/27/24	13 32 Eastern		Water						X	X	X	2	
SW-13 (180-171607-33)	3/27/24	12 38 Eastern		Water			X	X	X				2	
SW-13 (180-171607-34)	3/27/24	12 50 Eastern		Water						X	X	X	2	
SW-14 (180-171607-35)	3/27/24	13 38 Eastern		Water			X	X	X				2	
SW-14 (180-171607-36)	3/27/24	13 52 Eastern		Water						X	X	X	2	

Note Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	4-1-24 1700	EB/TAL			
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Ver: 06/08/2021

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone 412-963-7058 Fax 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM: Brown, Shali	Carrier Tracking No(s)	COC No: 180-510719 5
Client Contact: Shipping/Receiving	Phone	E-Mail: Shali Brown@et.eurofinsus com	State of Origin: Georgia	Page: Page 5 of 6
Company: TestAmerica Laboratories, Inc		Accreditations Required (See note)		Job #: 180-171607-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 5/2/2024			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email	WO #:			
Project Name: Plant Watson AP Surfacewater	Project #: 18020186			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	9315_Ra226/FIELD_FLTRD Radium 226 (Field Filtered)	9320_Ra228/FIELD_FLTRD Radium 228 (Field Filtered)	RA226_228GPFC_D/FIELD_FLTRD (MOD) Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
SW-15 (180-171607-37)	3/27/24	14 24 Eastern		Water			X	X	X				2	
SW-15 (180-171607-38)	3/27/24	14 40 Eastern		Water						X	X	X	2	
SW-16 (180-171607-39)	3/27/24	15 11 Eastern		Water			X	X	X				2	
SW-16 (180-171607-40)	3/27/24	15 28 Eastern		Water						X	X	X	2	
SW-17 (180-171607-41)	3/27/24	11 45 Eastern		Water			X	X	X				2	
SW-17 (180-171607-42)	3/27/24	12 01 Eastern		Water						X	X	X	2	
DUP-01 (180-171607-43)	3/27/24	12 08 Eastern		Water			X	X	X				2	
DUP-01 (180-171607-44)	3/27/24	12 32 Eastern		Water						X	X	X	2	
DUP-02 (180-171607-45)	3/27/24	07 38 Eastern		Water			X	X	X				2	

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Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	4-2-24 1700				
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Ver: 06/08/2021

5/3/2024

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone 412-963-7058 Fax 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 180-510719 6
Client Contact: Shipping/Receiving	Phone:	E-Mail: Shali Brown@et.eurofinsus com	State of Origin: Georgia	Page: Page 6 of 6
Company: TestAmerica Laboratories, Inc		Accreditations Required (See note):		Job #: 180-171607-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 5/2/2024			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Plant Watson AP Surfacewater	Project #: 18020186			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	9315_Ra226/FIELD_FLTRD Radium 226 (Field Filtered)	9320_Ra228/FIELD_FLTRD Radium 228 (Field Filtered)	RA226_228GPFC_D/FIELD_FLTRD (MOD) Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
DUP-02 (180-171607-46)	3/27/24	07 58 Eastern		Water						X	X	X	2	
DUP-03 (180-171607-47)	3/27/24	17 35 Eastern		Water			X	X	X				2	
DUP-03 (180-171607-48)	3/27/24	17 58 Eastern		Water						X	X	X	2	
EB-01 (180-171607-49)	3/27/24	07 36 Eastern		Water			X	X	X				2	
FB-01 (180-171607-50)	3/27/24	07 27 Eastern		Water			X	X	X				2	
EB-02 (180-171607-51)	3/27/24	17 00 Eastern		Water			X	X	X				2	
FB-02 (180-171607-52)	3/27/24	16 50 Eastern		Water			X	X	X				2	
EB-03 (180-171607-53)	3/27/24	17 59 Eastern		Water			X	X	X				2	
FB-03 (180-171607-54)	3/27/24	17 47 Eastern		Water			X	X	X				2	

Note Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
	4-1-24 1700	EP, TAL			
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Ver: 06/08/2021

ORIGIN ID:BIXA (850) 336-0192
RICHARD HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 28MAR24
ACTWGT: 78.60 LB
CAD: 6993799/SSFE2500
DIMS: 25x14x14 IN

BILL THIRD PARTY

TO **EUROFINS TEST AMERICA**

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238

(000) 000-0000 REF:
INV:
PO:

Uncorrected temp
Thermometer ID

CF O Initials PM

PT-WI-SR-001 effective 11/8/18

1 10:30 A
5.4 8233
22 °C 03.29

FedEx Express

1 of 14

TRK# 0201 **2727 5923 8233**

MASTER

XS AGCA

FRI - 29 MAR 10:30A
PRIORITY OVERNIGHT
AHS
15238
PA-US **PIT**

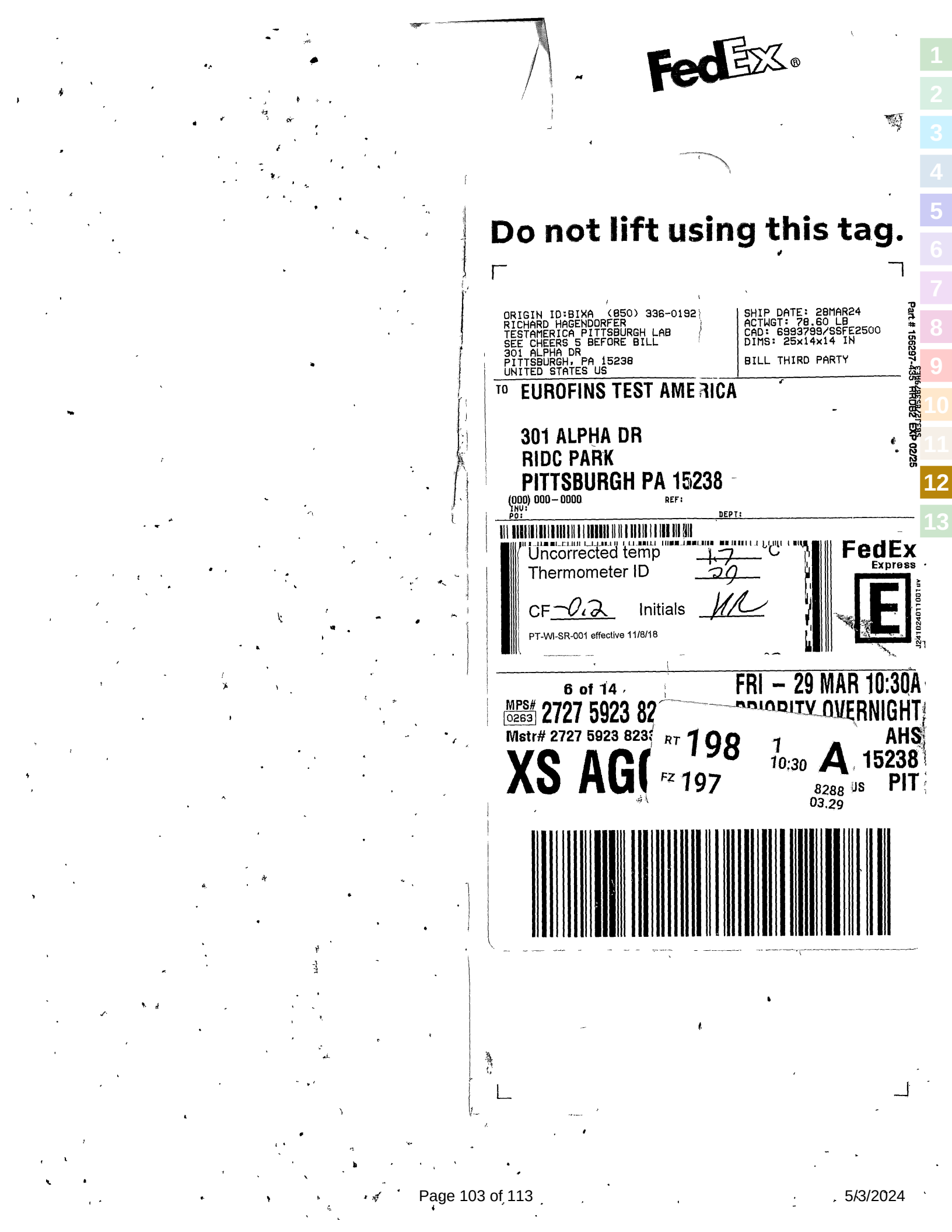
Part # 156207-435 RADB2 EXP 02/25


ORIGIN ID:8
RICHARD HAG
(850) 336-0192
TESTAMERICA ENDORFER
SEE CHEERS PITTSBURGH LAB
301 ALPHA 5 BEFORE BILL
PITTSBURGH DR
UNITED STA , PA 15238
ITES US
SHIP DATE: 28MAR24
ACTWGT: 78.60 LB
CAD: 6993799/SSFE2500
DIMS: 25x14x14 IN
BILL THIRD PARTY
TO EURO JFINS TEST AMERICA
301 ALPHA DR
RI DC PARK
PI TTSBURGH PA 15238
(000)
INV:
PO:
000-0000
REF:
DEPT:
Uncorrected temp
°C
Thermometer ID
CF 0
Initials
PM
PT-WI-SR-001 effective 11/8/18
FedEx
Express
10:30
8244
03.29
2 of 14
MPS# 0263 2727 5923 8244
Mstr# 2727 5923 8233
0201
PRIORITY OVERNIG
XS AGCA
APS
15238
PA-US
PIT


Do not lift using this tag.
ORIGIN ID:BIXA (850) 336-0192
RICHARD HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US
SHIP DATE: 28MAR24
ACTWGT: 78.60 LB
CAD: 6993799/SSFE2500
DIMS: 25x14x14 IN
BILL THIRD PARTY
TO EUROFINS TEST AMERICA
301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238
(000) 000-0000
INV:
PO:
RT 198 1
10:30 A
Uncorrected temp 4.5 °C
Thermometer ID 22
CF 0 Initials PM
PT-WI-SR-001 effective 11/8/18
FedEx Express
8255
03.29
3 of 14
MPS# 2727 5923 8255
0263
Mstr# 2727 5923 8233
0201
XS AGCA
FRI - 29 MAR 10:30A
PRIORITY OVERNIGHT
AHS
15238
PIT
PA-US
Part # 156297-435 ARDB2 EXP 02/25


Do not lift using this tag
ORIGIN ID:BIXA (850) 336-0192
RICHARD HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US
SHIP DATE: 28MAR24
ACTWGT: 78.60 LB
CAD: 6993799/SSFE2500
DIMS: 25x14x14 IN
BILL THIRD PARTY
TO EUROFINS TEST AMERICA
301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238
(000) 000-0000
INV:
PO:
REF:
DEPT:
RT 198
FZ 197
10:30
8266
03.29
FedEx Express
4 of 14
MPS# 0263 2727 5923 8266
Mstr# 2727 5923 8233
0201
XS AGCA
FRI - 29 MAR 10:30A
PRIORITY OVERNIGHT
AHS
15238
PA-US PIT
Uncorrected temp
Thermometer ID
CF -0.3
Initials
PT-WI-SR-001 effective 11/8/18
3.1 °C
1.7
EXP 02/25


Do not lift using this tag.
ORIGIN ID:BIXA (850) 336-0192
RICHARD HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US
SHIP DATE: 28MAR24
ACTWGT: 78.60 LB
CAD: 6993799/SSFE2500
DIMS: 25x14x14 IN
BILL THIRD PARTY
TO EUROFINS TEST AMERICA
301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238
(000) 000-0000
INV:
PO:
REF:
Part # 156297-435 ARDB2 EXP: 02/25
Uncorrected temp 1.9 °C
Thermometer ID 20
CF -0.2 Initials MR
PT-WI-SR-001 effective 11/8/18
FedEx
Expres
5 of 14
MPS# 0263 2727 5923 8277
Mstr# 2727 5923 8233
0201
XS AGCA
FRI - 29 MAR 10:30A
PRIORITY OVERNIGHT
AHS
15238
PA-US PIT



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ORIGIN ID:BIXA (850) 336-0192
RICHARD HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 28MAR24
ACTWGT: 78.60 LB
CAD: 6993799/SSFE2500
DIMS: 25x14x14 IN

BILL THIRD PARTY

TO EUROFINS TEST AMERICA

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238

(000) 000-0000 REF:
INV:
PO: DEPT:

Uncorrected temp 4.7 °C
Thermometer ID 29
CF 0.2 Initials MC

PT-WI-SR-001 effective 11/8/18

FedEx Express

6 of 14

FRI - 29 MAR 10:30A
PRIORITY OVERNIGHT

MPS# 0263 2727 5923 82
Mstr# 2727 5923 8233

XS AG(

RT 198
FZ 197

1
10:30 A

AHS
15238
PIT

8288 US
03.29

Part # 156297-435 REV02 EXP 02/25

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RICHARD HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 28MAR24
ACTWGT: 78.60 LB
CAD: 6993799/SSFE2500
DIMS: 25x14x14 IN

BILL THIRD PARTY

TO EUROFINS TEST AMERICA

301 ALPHA DR
RIDC PA
PITTSB 15238
(000) 000-000
INV:
PO:

RT 198

7

Uncorrected temp 4.6 °C
Thermometer ID 21
CF -0.9 Initials PD
PT-WI-SR-001 effective 11/8/18

FedEx Express

E

Part # 156297-435 RRDB2 EXP 02/25

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7 of 14
MPS# 0263 2727 5923 8299
Mstr# 2727 5923 8233
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XS AGCA

FRI – 29 MAR 10:30A
PRIORITY OVERNIGHT
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15238
PA-US PIT

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ORIGIN ID:BIXA (850) 336-0192
RICHARD HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 28MAR24
ACTWGT: 78.60 LB
CAD: 6993799/SSFE2500
DIMS: 25x14x14 IN

BILL THIRD PARTY

TO EUROFINS TEST AMERICA

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238
(000) 000-0000 REF:
INV:
PO: DEPT:

Uncorrected temp 3.8 °C
Thermometer ID 21
CF -0.9 Initials RO
PT-WI-SR-001 effective 11/8/18

A 8303 03.29 10:30 RT FZ 197

FedEx Express

E

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Part # 156297-435 RRDB2 EXP 02/25

8 of 14
MPS# 0263 2727 5923 8303
Mstr# 2727 5923 8233 0201

XS AGCA

FRI 29 MAR 10:30A
PRIORITY OVERNIGHT
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PA-US PIT

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RICHARD HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 28MAR24
ACTWGT: 78.60 LB
CAD: 6993799/SSFE2500
DIMS: 25x14x14 IN

BILL THIRD PARTY

TO EUROFINS TEST AMERICA

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238
(000) 000-0000
INV:
PO:
REF:

Part # 156297-435 RRDB2 EXP 02/25

RT 198 1 10:30 A 7128 03.29

Uncorrected temp 3.2 °C
Thermometer ID 22

CF 0 Initials PM

PT-WI-SR-001 effective 11/8/18

FedEx Express

E

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9 of 14
MPS# 0263 2727 5923 8314
Mstr# 2727 5923 8233 0201

XS AGCA

FRI – 29 MAR 10:30A
PRIORITY OVERNIGHT
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301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 28MAR24
ACTWGT: 78.60 LB
CAD: 6993799/SSFE2500
DIMS: 25x14x14 IN

BILL THIRD PARTY

TO EUROFINS TEST AMERICA

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238

(000) 000-0000 REF:
INV:
PO: DEPT:

Uncorrected temp 3.6 °C
Thermometer ID 20
CF -0.2 Initials MR
PT-WI-SR-001 effective 11/8/18

FedEx Express E

10 of 14
MPS# 0263 2727 5923 8325
Mstr# 2727 5923 8233 0201

FRI - 29 MAR 10:30A
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SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 28MAR24
ACTWGT: 28.60 LB
CAD: 6993799/SSFE2500
DIMS: 25x14x14 IN

BILL THIRD PARTY

Part # 156297-435 RRDB2 EXP 02/25
E396/3858/2E35

TO **EUROFINS TEST AMERICA**

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238

(000) 000-0000 REF:
INV:
PO: DEPT:

Uncorrected temp 20 °C
Thermometer ID 22

CF 0 Initials PM

PT-WI-SR-001 effective 11/8/18

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11 of 14

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Mstr# 2727 5923 8233 0201

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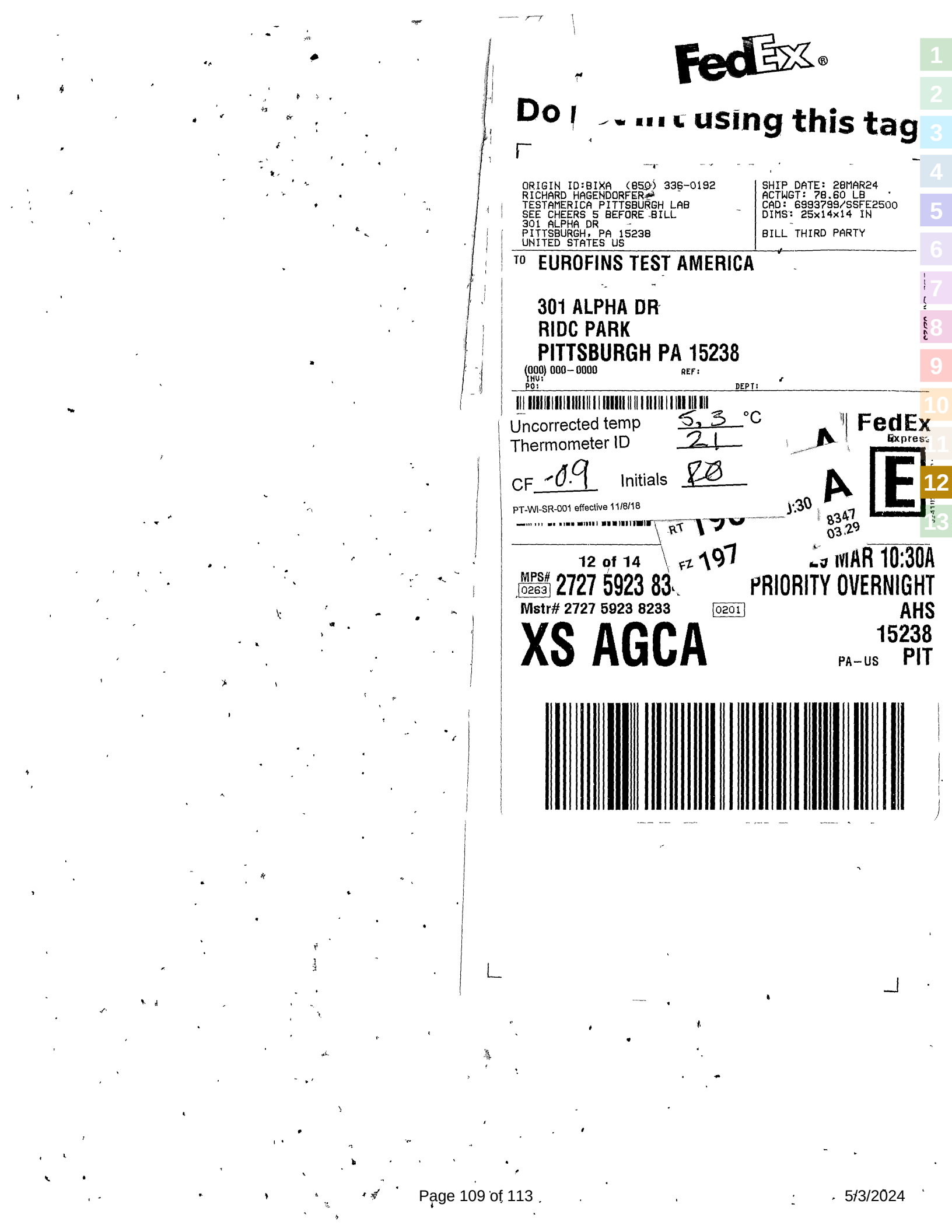
PA-US **PIT**


FedEx
Do not use this tag
ORIGIN ID:BIXA (850) 336-0192
RICHARD HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US
SHIP DATE: 28MAR24
ACTWGT: 78.60 LB
CAD: 6993799/SSFE2500
DIMS: 25x14x14 IN
BILL THIRD PARTY
TO EUROFINS TEST AMERICA
301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238
(000) 000-0000
REF:
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DEPT:
Uncorrected temp 5.3 °C
Thermometer ID 21
CF -0.9 Initials RB
PT-WI-SR-001 effective 11/8/18
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12 of 14
MPS# 0263 2727 5923 83
Mstr# 2727 5923 8233
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MAR 10:30A
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XS AGCA
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ORIGIN ID:BIXA (850) 336-0192
RICHARD HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 28MAR24
ACTWGT: 78.60 LB
CAD: 6993799/SSFE2500
DIMS: 25x14x14 IN

BILL THIRD PARTY

TO **EUROFINS TEST AMERICA**

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238

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13 of 14
MPS# 0263 2727 5923 8358
Mstr# 2727 5923 8233 0201

XS AGCA

FRI - 29 MAR 10:30
PRIORITY OVERNIGHT
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Uncorrected temp 2.7 °C
Thermometer ID 17
CF -0.3 Initials
PT-WI-SR-001 effective 11/8/18

RT 198 10:30 A
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03.29

ORIGIN ID:BIXA (850) 336-0192
RICHARD HAGENDORFER
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 28MAR24
ACTWGT: 78.60 LB
CAD: 6993799/SSFE2500
DIMS: 25x14x14 IN

BILL THIRD PARTY

TO **EUROFINS TEST AMERICA**

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238

(000) 000-0000 REF:
INV:
PO: DEPT:

Uncorrected temp 2.6 °C
Thermometer ID 22

CF 0 Initials PM

PT-WI-SR-001 effective 11/8/18

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FedEx Express

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14 of 14

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Mstr# 2727 5923 8233 0201

XS AGCA

FRI – 29 MAR 10:30A
PRIORITY OVERNIGHT

AHS
15238
PA-US **PIT**

Part # 156297-435 RRDB2 EXP 02/25

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-171607-2

Login Number: 171607
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-171607-2

Login Number: 171607
List Number: 2
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 04/02/24 01:59 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Low-Flow Test Report:

Test Date / Time: 3/25/2024 1:00:16 PM
Project: Watson CCR APMW-1R
Operator Name: Todd voreis

Location Name: Watson CCR APMW-1R **Well Diameter: 2 in** **Casing Type: PE** **Screen Length: 5 ft** **Top of Screen: 33.6 ft** **Total Depth: 38.6 ft** **Initial Depth to Water: 22.91 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 36.1 ft** **Estimated Total Volume Pumped: 12000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.6 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 852546**

Test Notes:
Ferrous Fe = 3.06 mg/l
H2S = .1908 mg/l

Weather Conditions:
Cloudy with wind, 71 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
3/25/2024 1:00 PM	00:00	6.33 pH	22.83 °C	8,267.3 µS/cm	0.31 mg/L		-77.5 mV	22.91 ft	400.00 ml/min
3/25/2024 1:05 PM	05:00	6.37 pH	22.98 °C	8,250.0 µS/cm	0.18 mg/L	4.99 NTU	-116.1 mV	23.51 ft	400.00 ml/min
3/25/2024 1:10 PM	10:00	6.37 pH	22.94 °C	8,209.8 µS/cm	0.14 mg/L	3.03 NTU	-103.0 mV	23.51 ft	400.00 ml/min
3/25/2024 1:15 PM	15:00	6.36 pH	22.98 °C	8,210.6 µS/cm	0.13 mg/L	1.04 NTU	-107.4 mV	23.51 ft	400.00 ml/min
3/25/2024 1:20 PM	20:00	6.36 pH	23.01 °C	8,193.4 µS/cm	0.12 mg/L	0.93 NTU	-110.0 mV	23.51 ft	400.00 ml/min
3/25/2024 1:25 PM	25:00	6.35 pH	23.02 °C	8,183.6 µS/cm	0.11 mg/L	0.84 NTU	-112.1 mV	23.51 ft	400.00 ml/min
3/25/2024 1:30 PM	30:00	6.34 pH	23.00 °C	8,172.4 µS/cm	0.11 mg/L	0.61 NTU	-114.2 mV	23.51 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-1R	Sample time 1335

Low-Flow Test Report:

Test Date / Time: 3/25/2024 1:03:54 PM
Project: Watson CCR APMW-2
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-2 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 32.9 ft** **Total Depth: 42.9 ft** **Initial Depth to Water: 20.07 ft**	**Pump Type: QED** **Tubing Type: PE** **Pump Intake From TOC: 37.9 ft** **Estimated Total Volume Pumped: 16000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.27 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1055720**

Test Notes:
Ferrous iron=6.7mg/L
H2S=0.0mg/L

Weather Conditions:
Overcast, high winds, 71

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
3/25/2024 1:03 PM	00:00	5.49 pH	22.44 °C	7,501.5 µS/cm	1.19 mg/L		115.8 mV	20.07 ft	400.00 ml/min
3/25/2024 1:08 PM	05:00	5.72 pH	22.44 °C	7,474.6 µS/cm	0.27 mg/L	6.79 NTU	71.8 mV	20.34 ft	400.00 ml/min
3/25/2024 1:13 PM	10:00	5.77 pH	22.45 °C	7,466.8 µS/cm	0.20 mg/L	5.02 NTU	59.4 mV	20.34 ft	400.00 ml/min
3/25/2024 1:18 PM	15:00	5.80 pH	22.53 °C	7,468.9 µS/cm	0.19 mg/L	3.58 NTU	46.7 mV	20.34 ft	400.00 ml/min
3/25/2024 1:23 PM	20:00	5.82 pH	22.52 °C	7,467.1 µS/cm	0.18 mg/L	2.73 NTU	33.8 mV	20.34 ft	400.00 ml/min
3/25/2024 1:28 PM	25:00	5.84 pH	22.50 °C	7,478.9 µS/cm	0.18 mg/L	2.37 NTU	25.3 mV	20.34 ft	400.00 ml/min
3/25/2024 1:33 PM	30:00	5.84 pH	22.49 °C	7,485.1 µS/cm	0.18 mg/L	1.88 NTU	19.8 mV	20.34 ft	400.00 ml/min
3/25/2024 1:38 PM	35:00	5.85 pH	22.53 °C	7,486.3 µS/cm	0.18 mg/L	1.78 NTU	15.8 mV	20.34 ft	400.00 ml/min
3/25/2024 1:43 PM	40:00	5.86 pH	22.44 °C	7,490.7 µS/cm	0.18 mg/L	1.64 NTU	12.6 mV	20.34 ft	400.00 ml/min

Samples

Sample ID:	Description:

APMW-02	Sample time 1348
DUP-01	Fake sample time 1248

Low-Flow Test Report:

Test Date / Time: 3/25/2024 3:00:27 PM
Project: Watson CCR APMW-3
Operator Name: Todd Voreis

Location Name: Watson CCR-APMW-3 **Well Diameter: 2 in** **Casing Type: PE** **Screen Length: 10 ft** **Top of Screen: 26.6 ft** **Total Depth: 36.6 ft** **Initial Depth to Water: 6.1 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 31.6 ft** **Estimated Total Volume Pumped: 46000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.24 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 852546**

Test Notes:
Ferrous Fe = 2.5
H2S = 0.106

Weather Conditions:
Cloudy with wind, 71 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.2	
3/25/2024 3:00 PM	00:00	6.55 pH	22.49 °C	26,688 µS/cm	0.82 mg/L		-8.6 mV	6.10 ft	400.00 ml/min
3/25/2024 3:05 PM	05:00	6.54 pH	22.37 °C	25,716 µS/cm	0.28 mg/L	45.90 NTU	-44.2 mV	6.20 ft	400.00 ml/min
3/25/2024 3:10 PM	10:00	6.53 pH	22.36 °C	25,572 µS/cm	0.21 mg/L	71.10 NTU	-46.5 mV	6.20 ft	400.00 ml/min
3/25/2024 3:15 PM	15:00	6.52 pH	22.49 °C	25,538 µS/cm	0.19 mg/L	103.00 NTU	-42.2 mV	6.20 ft	400.00 ml/min
3/25/2024 3:20 PM	20:00	6.52 pH	22.53 °C	25,593 µS/cm	0.18 mg/L	64.60 NTU	-42.6 mV	6.20 ft	400.00 ml/min
3/25/2024 3:25 PM	25:00	6.53 pH	22.50 °C	25,629 µS/cm	0.18 mg/L	36.40 NTU	-47.5 mV	6.20 ft	400.00 ml/min
3/25/2024 3:30 PM	30:00	6.53 pH	22.49 °C	25,634 µS/cm	0.18 mg/L	27.10 NTU	-43.7 mV	6.20 ft	400.00 ml/min
3/25/2024 3:35 PM	35:00	6.53 pH	22.51 °C	25,539 µS/cm	0.18 mg/L	17.20 NTU	-49.4 mV	6.20 ft	400.00 ml/min
3/25/2024 3:40 PM	40:00	6.53 pH	22.52 °C	25,532 µS/cm	0.17 mg/L	14.10 NTU	-49.7 mV	6.20 ft	400.00 ml/min
3/25/2024 3:45 PM	45:00	6.53 pH	22.49 °C	25,553 µS/cm	0.17 mg/L	11.50 NTU	-49.9 mV	6.20 ft	400.00 ml/min
3/25/2024 3:50 PM	50:00	6.54 pH	22.51 °C	25,560 µS/cm	0.17 mg/L	8.14 NTU	-45.2 mV	6.20 ft	400.00 ml/min
3/25/2024 3:55 PM	55:00	6.54 pH	22.49 °C	25,598 µS/cm	0.17 mg/L	8.76 NTU	-45.4 mV	6.21 ft	400.00 ml/min
3/25/2024 4:00 PM	01:00:00	6.54 pH	22.49 °C	25,603 µS/cm	0.17 mg/L	6.91 NTU	-45.3 mV	6.22 ft	400.00 ml/min

3/25/2024 4:05 PM	01:05:00	6.54 pH	22.52 °C	25,621 µS/cm	0.17 mg/L	6.22 NTU	-45.2 mV	6.22 ft	400.00 ml/min
3/25/2024 4:10 PM	01:10:00	6.54 pH	22.53 °C	25,642 µS/cm	0.17 mg/L	5.36 NTU	-50.5 mV	6.22 ft	400.00 ml/min
3/25/2024 4:15 PM	01:15:00	6.54 pH	22.54 °C	25,656 µS/cm	0.17 mg/L	4.81 NTU	-45.9 mV	6.22 ft	400.00 ml/min
3/25/2024 4:20 PM	01:20:00	6.55 pH	22.54 °C	25,683 µS/cm	0.16 mg/L	4.10 NTU	-45.5 mV	6.22 ft	400.00 ml/min
3/25/2024 4:25 PM	01:25:00	6.55 pH	22.55 °C	25,649 µS/cm	0.17 mg/L	3.66 NTU	-45.9 mV	6.25 ft	400.00 ml/min
3/25/2024 4:30 PM	01:30:00	6.55 pH	22.55 °C	25,677 µS/cm	0.16 mg/L	3.42 NTU	-46.1 mV	6.25 ft	400.00 ml/min
3/25/2024 4:35 PM	01:35:00	6.55 pH	22.53 °C	25,693 µS/cm	0.16 mg/L	2.86 NTU	-46.2 mV	6.25 ft	400.00 ml/min
3/25/2024 4:40 PM	01:40:00	6.55 pH	22.53 °C	25,712 µS/cm	0.16 mg/L	2.93 NTU	-46.2 mV	6.32 ft	400.00 ml/min
3/25/2024 4:45 PM	01:45:00	6.55 pH	22.53 °C	25,696 µS/cm	0.16 mg/L	2.85 NTU	-46.4 mV	6.33 ft	400.00 ml/min
3/25/2024 4:50 PM	01:50:00	6.55 pH	22.54 °C	25,754 µS/cm	0.16 mg/L	2.49 NTU	-46.6 mV	6.34 ft	400.00 ml/min
3/25/2024 4:55 PM	01:55:00	6.55 pH	22.55 °C	25,746 µS/cm	0.16 mg/L	2.46 NTU	-46.5 mV	6.34 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-3	Sample time 1705

Low-Flow Test Report:

Test Date / Time: 3/25/2024 3:19:22 PM
Project: Watson CCR APMW-2D
Operator Name: Rick Hagendorfer

Location Name: WATSON CCR APMW-2D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 152.8 ft** **Total Depth: 162.8 ft** **Initial Depth to Water: 14.87 ft**	**Pump Type: QED** **Tubing Type: PE** **Pump Intake From TOC: 157.2 ft** **Estimated Total Volume Pumped: 12000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.23 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1055720**

Test Notes:
Ferrous iron=0.45mg/L
H2S=0.212mg/L

Weather Conditions:
Overcast, windy, 71

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
3/25/2024 3:19 PM	00:00	7.30 pH	22.49 °C	191.94 µS/cm	1.70 mg/L		-16.1 mV	14.87 ft	400.00 ml/min
3/25/2024 3:24 PM	05:00	7.38 pH	22.09 °C	191.84 µS/cm	0.37 mg/L	5.77 NTU	-52.6 mV	15.10 ft	400.00 ml/min
3/25/2024 3:29 PM	10:00	7.41 pH	22.00 °C	191.25 µS/cm	0.28 mg/L	3.45 NTU	-75.2 mV	15.10 ft	400.00 ml/min
3/25/2024 3:34 PM	15:00	7.43 pH	21.95 °C	190.66 µS/cm	0.26 mg/L	2.50 NTU	-90.2 mV	15.10 ft	400.00 ml/min
3/25/2024 3:39 PM	20:00	7.44 pH	21.95 °C	190.54 µS/cm	0.26 mg/L	1.89 NTU	-100.8 mV	15.10 ft	400.00 ml/min
3/25/2024 3:44 PM	25:00	7.46 pH	21.95 °C	190.50 µS/cm	0.22 mg/L	1.75 NTU	-107.8 mV	15.10 ft	400.00 ml/min
3/25/2024 3:49 PM	30:00	7.48 pH	21.92 °C	190.04 µS/cm	0.22 mg/L	1.47 NTU	-113.0 mV	15.10 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-2D	Sample time 1552

Low-Flow Test Report:

Test Date / Time: 3/26/2024 9:00:08 AM
Project: Watson CCR APMW-5
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-5 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 26.6 ft** **Total Depth: 36.6 ft** **Initial Depth to Water: 7.92 ft**	**Pump Type: QED** **Tubing Type: PE** **Pump Intake From TOC: 31.6 ft** **Estimated Total Volume Pumped: 14000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.07 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1055720**

Test Notes:
Ferrous iron = 5.5mg/L H2S = 0.0mg/L

Weather Conditions:
Cloudy 57

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
3/26/2024 9:00 AM	00:00	6.17 pH	16.73 °C	21,866 µS/cm	7.67 mg/L		163.3 mV	7.92 ft	400.00 ml/min
3/26/2024 9:05 AM	05:00	6.23 pH	19.74 °C	20,321 µS/cm	0.53 mg/L	1.99 NTU	87.7 mV	7.98 ft	400.00 ml/min
3/26/2024 9:10 AM	10:00	6.28 pH	19.90 °C	20,415 µS/cm	0.27 mg/L	0.64 NTU	69.0 mV	7.99 ft	400.00 ml/min
3/26/2024 9:15 AM	15:00	6.30 pH	19.92 °C	20,631 µS/cm	0.23 mg/L	0.54 NTU	48.4 mV	7.99 ft	400.00 ml/min
3/26/2024 9:20 AM	20:00	6.31 pH	20.01 °C	20,746 µS/cm	0.21 mg/L	0.35 NTU	30.5 mV	7.99 ft	400.00 ml/min
3/26/2024 9:25 AM	25:00	6.32 pH	20.12 °C	20,784 µS/cm	0.20 mg/L	0.42 NTU	18.6 mV	7.99 ft	400.00 ml/min
3/26/2024 9:30 AM	30:00	6.33 pH	20.00 °C	20,788 µS/cm	0.19 mg/L	0.30 NTU	11.0 mV	7.99 ft	400.00 ml/min
3/26/2024 9:35 AM	35:00	6.34 pH	19.95 °C	20,824 µS/cm	0.18 mg/L	0.30 NTU	5.8 mV	7.99 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-5	Sample time 0940

Low-Flow Test Report:

Test Date / Time: 3/26/2024 9:53:40 AM
Project: Watson CCR APMW-3D
Operator Name: Todd Voreis

Location Name: Watson CCR APMW-3D **Well Diameter: 2 in** **Casing Type: PE** **Screen Length: 5 ft** **Top of Screen: 88.1 ft** **Total Depth: 93.1 ft** **Initial Depth to Water: 7.03 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 90.6 ft** **Estimated Total Volume Pumped: 12000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 2.24 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 852546**

Test Notes:
Ferrous Fe = 1.36
H2S = 0

Weather Conditions:
Cloudy, 58 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
3/26/2024 9:53 AM	00:00	6.63 pH	19.10 °C	377.37 µS/cm	1.19 mg/L		8.6 mV	7.03 ft	400.00 ml/min
3/26/2024 9:58 AM	05:00	6.53 pH	20.75 °C	296.11 µS/cm	0.24 mg/L	4.58 NTU	-13.7 mV	8.95 ft	400.00 ml/min
3/26/2024 10:03 AM	10:00	6.54 pH	20.84 °C	253.75 µS/cm	0.19 mg/L	1.86 NTU	-28.0 mV	9.10 ft	400.00 ml/min
3/26/2024 10:08 AM	15:00	6.56 pH	20.98 °C	249.15 µS/cm	0.17 mg/L	1.13 NTU	-31.6 mV	9.17 ft	400.00 ml/min
3/26/2024 10:13 AM	20:00	6.59 pH	21.01 °C	236.41 µS/cm	0.16 mg/L	0.97 NTU	-35.8 mV	9.21 ft	400.00 ml/min
3/26/2024 10:18 AM	25:00	6.61 pH	21.02 °C	243.19 µS/cm	0.15 mg/L	0.88 NTU	-39.2 mV	9.25 ft	400.00 ml/min
3/26/2024 10:23 AM	30:00	6.61 pH	21.02 °C	235.60 µS/cm	0.14 mg/L	0.66 NTU	-40.2 mV	9.27 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-3D	Sample time 1029

Low-Flow Test Report:

Test Date / Time: 3/26/2024 11:04:51 AM
Project: Watson CCR APMW-5D
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-5D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 106 ft** **Total Depth: 111 ft** **Initial Depth to Water: 7.99 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 108.5 ft** **Estimated Total Volume Pumped: 22000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 2.58 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1055720**

Test Notes:
Ferrous iron = 1.01mg/L. H2s = 0.0mg/L

Weather Conditions:
Cloudy 58

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
3/26/2024 11:04 AM	00:00	8.33 pH	18.89 °C	343.89 µS/cm	6.16 mg/L		-88.5 mV	7.99 ft	400.00 ml/min
3/26/2024 11:09 AM	05:00	7.18 pH	20.57 °C	173.99 µS/cm	0.36 mg/L	8.05 NTU	-69.8 mV	9.91 ft	400.00 ml/min
3/26/2024 11:14 AM	10:00	7.00 pH	20.53 °C	169.70 µS/cm	0.26 mg/L	5.97 NTU	-61.6 mV	10.19 ft	400.00 ml/min
3/26/2024 11:19 AM	15:00	6.92 pH	20.54 °C	166.23 µS/cm	0.24 mg/L	3.96 NTU	-56.3 mV	10.29 ft	400.00 ml/min
3/26/2024 11:24 AM	20:00	6.88 pH	20.54 °C	165.54 µS/cm	0.23 mg/L	3.65 NTU	-52.6 mV	10.36 ft	400.00 ml/min
3/26/2024 11:29 AM	25:00	6.85 pH	20.57 °C	163.90 µS/cm	0.20 mg/L	3.83 NTU	-49.9 mV	10.41 ft	400.00 ml/min
3/26/2024 11:34 AM	30:00	6.83 pH	20.68 °C	163.06 µS/cm	0.20 mg/L	4.14 NTU	-47.9 mV	10.47 ft	400.00 ml/min
3/26/2024 11:39 AM	35:00	6.81 pH	20.93 °C	162.57 µS/cm	0.19 mg/L	4.24 NTU	-45.7 mV	10.51 ft	400.00 ml/min
3/26/2024 11:44 AM	40:00	6.80 pH	20.83 °C	162.89 µS/cm	0.18 mg/L	4.58 NTU	-44.1 mV	10.54 ft	400.00 ml/min
3/26/2024 11:49 AM	45:00	6.79 pH	20.89 °C	165.56 µS/cm	0.17 mg/L	4.14 NTU	-43.1 mV	10.56 ft	400.00 ml/min
3/26/2024 11:54 AM	50:00	6.78 pH	20.92 °C	166.31 µS/cm	0.17 mg/L	3.65 NTU	-42.1 mV	10.57 ft	400.00 ml/min
3/26/2024 11:59 AM	55:00	6.78 pH	20.86 °C	168.54 µS/cm	0.17 mg/L	3.47 NTU	-41.3 mV	10.57 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-5D	Sample time 1204
FB-01	Sample time 1030
EB-01	Sample time 1038

Low-Flow Test Report:

Test Date / Time: 3/26/2024 11:28:49 AM
Project: Watson CCR APMW-4D (2)
Operator Name: Todd Voreis

Location Name: Watson CCR APMW-4D **Well Diameter: 2 in** **Casing Type: PE** **Screen Length: 10 ft** **Top of Screen: 90.3 ft** **Total Depth: 100.3 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 95.3 ft** **Estimated Total Volume Pumped: 14000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.18 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 852546**

Test Notes:
Ferrous Fe = 2.0
H2S = 0

Weather Conditions:
Cloudy, 60 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
3/26/2024 11:28 AM	00:00	6.68 pH	19.55 °C	22,443 µS/cm	1.46 mg/L		-13.1 mV	10.79 ft	400.00 ml/min
3/26/2024 11:33 AM	05:00	6.69 pH	20.61 °C	22,269 µS/cm	0.22 mg/L	3.68 NTU	-40.9 mV	10.98 ft	400.00 ml/min
3/26/2024 11:38 AM	10:00	6.72 pH	20.81 °C	22,326 µS/cm	0.18 mg/L	3.20 NTU	-44.6 mV	10.98 ft	400.00 ml/min
3/26/2024 11:43 AM	15:00	6.73 pH	20.84 °C	22,310 µS/cm	0.16 mg/L	3.16 NTU	-53.0 mV	10.98 ft	400.00 ml/min
3/26/2024 11:48 AM	20:00	6.75 pH	20.81 °C	22,285 µS/cm	0.14 mg/L	2.21 NTU	-48.5 mV	10.98 ft	400.00 ml/min
3/26/2024 11:53 AM	25:00	6.75 pH	20.89 °C	22,307 µS/cm	0.14 mg/L	1.66 NTU	-49.0 mV	10.98 ft	400.00 ml/min
3/26/2024 11:58 AM	30:00	6.76 pH	20.93 °C	22,296 µS/cm	0.13 mg/L	1.28 NTU	-50.0 mV	10.98 ft	400.00 ml/min
3/26/2024 12:03 PM	35:00	6.76 pH	20.96 °C	22,276 µS/cm	0.13 mg/L	0.85 NTU	-50.4 mV	10.98 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-4D	Sample time 1209

Low-Flow Test Report:

Test Date / Time: 3/26/2024 1:42:36 PM
Project: Watson CCR APMW-4
Operator Name: Todd Voreis

Location Name: Watson CCR APMW4 **Well Diameter: 2 in** **Casing Type: PE** **Screen Length: 10 ft** **Top of Screen: 27 ft** **Total Depth: 37 ft** **Initial Depth to Water: 12.06 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 32 ft** **Estimated Total Volume Pumped: 10000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.08 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 852546**

Test Notes:
Ferrous Fe = .66
H2S = 5.83

Weather Conditions:
Mostly cloudy, 69 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
3/26/2024 1:42 PM	00:00	6.26 pH	21.65 °C	7,238.0 µS/cm	1.99 mg/L		-41.3 mV	12.06 ft	400.00 ml/min
3/26/2024 1:47 PM	05:00	6.29 pH	21.83 °C	7,014.3 µS/cm	0.42 mg/L	2.11 NTU	-174.6 mV	12.14 ft	400.00 ml/min
3/26/2024 1:52 PM	10:00	6.32 pH	21.91 °C	6,986.6 µS/cm	0.22 mg/L	0.93 NTU	-213.0 mV	12.14 ft	400.00 ml/min
3/26/2024 1:57 PM	15:00	6.33 pH	21.96 °C	6,971.3 µS/cm	0.17 mg/L	0.99 NTU	-227.1 mV	12.14 ft	400.00 ml/min
3/26/2024 2:02 PM	20:00	6.33 pH	22.00 °C	6,941.1 µS/cm	0.16 mg/L	0.92 NTU	-236.7 mV	12.14 ft	400.00 ml/min
3/26/2024 2:07 PM	25:00	6.33 pH	21.95 °C	6,965.7 µS/cm	0.16 mg/L	0.79 NTU	-244.8 mV	12.14 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-4	Sample time 1412

Low-Flow Test Report:

Test Date / Time: 3/26/2024 1:47:18 PM
Project: WATSON CCR APMW-7
Operator Name: Rick Hagendorfer

Location Name: WATSON CCR APMW-7 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 27.4 ft** **Total Depth: 37.4 ft** **Initial Depth to Water: 11.85 ft**	**Pump Type: QED** **Tubing Type: PE** **Pump Intake From TOC: 32.4 ft** **Estimated Total Volume Pumped: 22000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.49 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1055720**

Test Notes:
Ferrous iron=1.49mg/L
H2S=9.0mg/L

Weather Conditions:
Sunny 68

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
3/26/2024 1:47 PM	00:00	6.35 pH	22.65 °C	13,375 µS/cm	0.75 mg/L		63.1 mV	11.85 ft	400.00 ml/min
3/26/2024 1:52 PM	05:00	6.35 pH	22.37 °C	13,574 µS/cm	0.29 mg/L	2.59 NTU	31.7 mV	12.24 ft	400.00 ml/min
3/26/2024 1:57 PM	10:00	6.36 pH	22.41 °C	13,609 µS/cm	0.23 mg/L	1.33 NTU	-1.7 mV	12.34 ft	400.00 ml/min
3/26/2024 2:02 PM	15:00	6.38 pH	22.35 °C	13,612 µS/cm	0.21 mg/L	0.95 NTU	-28.5 mV	12.34 ft	400.00 ml/min
3/26/2024 2:07 PM	20:00	6.40 pH	22.38 °C	13,607 µS/cm	0.20 mg/L	0.89 NTU	-48.2 mV	12.34 ft	400.00 ml/min
3/26/2024 2:12 PM	25:00	6.42 pH	22.47 °C	13,629 µS/cm	0.20 mg/L	0.75 NTU	-65.5 mV	12.34 ft	400.00 ml/min
3/26/2024 2:17 PM	30:00	6.44 pH	22.54 °C	13,599 µS/cm	0.19 mg/L	0.70 NTU	-83.8 mV	12.34 ft	400.00 ml/min
3/26/2024 2:22 PM	35:00	6.43 pH	22.62 °C	13,539 µS/cm	0.19 mg/L	0.64 NTU	-101.8 mV	12.34 ft	400.00 ml/min
3/26/2024 2:27 PM	40:00	6.43 pH	22.63 °C	13,502 µS/cm	0.19 mg/L	0.62 NTU	-118.9 mV	12.34 ft	400.00 ml/min
3/26/2024 2:32 PM	45:00	6.42 pH	22.63 °C	13,476 µS/cm	0.19 mg/L	0.60 NTU	-137.4 mV	12.34 ft	400.00 ml/min
3/26/2024 2:37 PM	50:00	6.42 pH	22.63 °C	13,396 µS/cm	0.18 mg/L	0.56 NTU	-147.9 mV	12.34 ft	400.00 ml/min
3/26/2024 2:42 PM	55:00	6.42 pH	22.67 °C	13,423 µS/cm	0.18 mg/L	0.58 NTU	-154.2 mV	12.34 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-7	Sample time 1445
DUP-02	Fake sample time 1345

Low-Flow Test Report:

Test Date / Time: 3/26/2024 3:13:25 PM
Project: Watson CCR APMW-6R
Operator Name: Todd Voreis

Location Name: Watson CCR APMW-6R **Well Diameter: 2 in** **Casing Type: PE** **Screen Length: 10 ft** **Top of Screen: 41.8 ft** **Total Depth: 51.8 ft** **Initial Depth to Water: 7.58 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 46.8 ft** **Estimated Total Volume Pumped: 16000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 2.24 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 852546**

Test Notes:
Ferrous Fe = 2.5 mg/L
H2S = 0

Weather Conditions:
Partly cloudy, 73 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
3/26/2024 3:13 PM	00:00	6.32 pH	22.98 °C	9,813.5 µS/cm	0.25 mg/L		-66.0 mV	7.58 ft	400.00 ml/min
3/26/2024 3:18 PM	05:00	6.31 pH	22.57 °C	9,969.6 µS/cm	0.20 mg/L	6.02 NTU	-79.2 mV	9.72 ft	400.00 ml/min
3/26/2024 3:23 PM	10:00	6.22 pH	22.66 °C	10,654 µS/cm	0.17 mg/L	2.99 NTU	-64.7 mV	9.80 ft	400.00 ml/min
3/26/2024 3:28 PM	15:00	6.19 pH	22.67 °C	10,836 µS/cm	0.15 mg/L	2.89 NTU	-62.5 mV	9.83 ft	400.00 ml/min
3/26/2024 3:33 PM	20:00	6.17 pH	22.58 °C	11,067 µS/cm	0.14 mg/L	2.63 NTU	-60.6 mV	9.82 ft	400.00 ml/min
3/26/2024 3:38 PM	25:00	6.15 pH	22.58 °C	11,300 µS/cm	0.13 mg/L	2.56 NTU	-58.8 mV	9.82 ft	400.00 ml/min
3/26/2024 3:43 PM	30:00	6.14 pH	22.49 °C	11,361 µS/cm	0.13 mg/L	1.95 NTU	-57.2 mV	9.82 ft	400.00 ml/min
3/26/2024 3:48 PM	35:00	6.12 pH	22.53 °C	11,539 µS/cm	0.12 mg/L	1.70 NTU	-55.8 mV	9.82 ft	400.00 ml/min
3/26/2024 3:53 PM	40:00	6.12 pH	22.49 °C	11,502 µS/cm	0.12 mg/L	1.70 NTU	-54.6 mV	9.82 ft	400.00 ml/min

Samples

Sample ID:	Description:

APMW-6R	Sample time 1600

Low-Flow Test Report:

Test Date / Time: 3/26/2024 3:46:47 PM
Project: WATSON CCR APMW-8D
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-8D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 87.5 ft** **Total Depth: 92.5 ft** **Initial Depth to Water: 19.51 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 90 ft** **Estimated Total Volume Pumped: 16000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 1.79 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1055720**

Test Notes:
Ferrous iron=4.0 mg/L
H2S=0.0mg/L

Weather Conditions:
Sunny 73

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
3/26/2024 3:46 PM	00:00	8.21 pH	27.25 °C	266.42 µS/cm	4.49 mg/L		-110.9 mV	19.51 ft	400.00 ml/min
3/26/2024 3:51 PM	05:00	7.11 pH	22.76 °C	237.68 µS/cm	0.33 mg/L	2.76 NTU	-106.1 mV	21.18 ft	400.00 ml/min
3/26/2024 3:56 PM	10:00	6.99 pH	22.46 °C	203.05 µS/cm	0.24 mg/L	0.67 NTU	-88.9 mV	21.28 ft	400.00 ml/min
3/26/2024 4:01 PM	15:00	6.94 pH	22.45 °C	186.38 µS/cm	0.23 mg/L	0.64 NTU	-81.6 mV	21.30 ft	400.00 ml/min
3/26/2024 4:06 PM	20:00	6.87 pH	22.44 °C	175.49 µS/cm	0.21 mg/L	0.37 NTU	-75.5 mV	21.30 ft	400.00 ml/min
3/26/2024 4:11 PM	25:00	6.82 pH	22.31 °C	169.60 µS/cm	0.20 mg/L	0.41 NTU	-69.8 mV	21.30 ft	400.00 ml/min
3/26/2024 4:16 PM	30:00	6.78 pH	22.31 °C	166.85 µS/cm	0.19 mg/L	0.27 NTU	-65.5 mV	21.30 ft	400.00 ml/min
3/26/2024 4:21 PM	35:00	6.75 pH	22.37 °C	166.58 µS/cm	0.18 mg/L	0.28 NTU	-62.4 mV	21.30 ft	400.00 ml/min
3/26/2024 4:26 PM	40:00	6.73 pH	22.36 °C	166.58 µS/cm	0.17 mg/L	0.40 NTU	-60.0 mV	21.30 ft	400.00 ml/min

Samples

Sample ID:	Description:

WATSON CCR APMW-8D	Sample time 1630

Low-Flow Test Report:

Test Date / Time: 3/28/2024 10:21:09 AM
Project: Watson CCR APMW-16
Operator Name: Todd Voreis

Location Name: WATSON CCR APMW-16 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 19.5 ft** **Total Depth: 24.5 ft** **Initial Depth to Water: 2.64 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 22 ft** **Estimated Total Volume Pumped: 28000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.01 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 852546**

Test Notes:
Ferrous iron = 0
H2S = .159

Weather Conditions:
Sunny 61 deg. F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
3/28/2024 10:21 AM	00:00	6.34 pH	19.77 °C	9,236.7 µS/cm	0.25 mg/L		-288.3 mV	2.64 ft	400.00 ml/min
3/28/2024 10:26 AM	05:00	6.36 pH	19.95 °C	9,178.3 µS/cm	0.22 mg/L	28.50 NTU	-293.5 mV	2.65 ft	400.00 ml/min
3/28/2024 10:31 AM	10:00	6.37 pH	20.04 °C	9,168.7 µS/cm	0.20 mg/L	15.40 NTU	-295.6 mV	2.65 ft	400.00 ml/min
3/28/2024 10:36 AM	15:00	6.37 pH	20.12 °C	9,140.1 µS/cm	0.20 mg/L	12.70 NTU	-296.1 mV	2.65 ft	400.00 ml/min
3/28/2024 10:41 AM	20:00	6.38 pH	20.16 °C	9,120.5 µS/cm	0.19 mg/L	8.48 NTU	-296.7 mV	2.65 ft	400.00 ml/min
3/28/2024 10:46 AM	25:00	6.39 pH	20.21 °C	9,116.9 µS/cm	0.19 mg/L	3.02 NTU	-296.9 mV	2.65 ft	400.00 ml/min
3/28/2024 10:51 AM	30:00	6.39 pH	20.26 °C	9,086.6 µS/cm	0.19 mg/L	4.67 NTU	-297.2 mV	2.65 ft	400.00 ml/min
3/28/2024 10:56 AM	35:00	6.39 pH	20.26 °C	9,068.3 µS/cm	0.19 mg/L	3.85 NTU	-298.2 mV	2.65 ft	400.00 ml/min
3/28/2024 11:01 AM	40:00	6.40 pH	20.28 °C	9,062.9 µS/cm	0.19 mg/L	3.98 NTU	-298.3 mV	2.65 ft	400.00 ml/min
3/28/2024 11:06 AM	45:00	6.40 pH	20.33 °C	9,072.1 µS/cm	0.19 mg/L	4.68 NTU	-298.5 mV	2.65 ft	400.00 ml/min
3/28/2024 11:11 AM	50:00	6.40 pH	20.36 °C	9,055.3 µS/cm	0.19 mg/L	1.65 NTU	-298.5 mV	2.65 ft	400.00 ml/min
3/28/2024 11:16 AM	55:00	6.40 pH	20.39 °C	9,061.5 µS/cm	0.19 mg/L	5.93 NTU	-298.3 mV	2.65 ft	400.00 ml/min
3/28/2024 11:21 AM	01:00:00	6.40 pH	20.43 °C	9,066.9 µS/cm	0.19 mg/L	4.53 NTU	-298.8 mV	2.65 ft	400.00 ml/min

3/28/2024 11:26 AM	01:05:00	6.41 pH	20.43 °C	9,038.1 µS/cm	0.19 mg/L	2.14 NTU	-299.5 mV	2.65 ft	400.00 ml/min
3/28/2024 11:31 AM	01:10:00	6.41 pH	20.48 °C	9,049.5 µS/cm	0.19 mg/L	1.97 NTU	-299.5 mV	2.65 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-16	Sample time 1133

Low-Flow Test Report:

Test Date / Time: 3/28/2024 10:26:59 AM
Project: Watson CCR APMW-6D
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-6D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 100.9 ft** **Total Depth: 105.9 ft** **Initial Depth to Water: 8.37 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 103.4 ft** **Estimated Total Volume Pumped: 14000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 1.25 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1055720**

Test Notes:
Ferrous iron = 1.60mg/L H2S = 0.0mg/L

Weather Conditions:
Sunny 58

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
3/28/2024 10:26 AM	00:00	7.98 pH	19.81 °C	470.85 µS/cm	6.40 mg/L		-84.8 mV	8.37 ft	400.00 ml/min
3/28/2024 10:31 AM	05:00	7.21 pH	20.84 °C	451.62 µS/cm	0.49 mg/L	3.81 NTU	-84.8 mV	9.31 ft	400.00 ml/min
3/28/2024 10:36 AM	10:00	7.13 pH	21.03 °C	447.26 µS/cm	0.29 mg/L	0.78 NTU	-83.1 mV	9.54 ft	400.00 ml/min
3/28/2024 10:41 AM	15:00	7.09 pH	21.10 °C	423.32 µS/cm	0.26 mg/L	0.62 NTU	-79.3 mV	9.61 ft	400.00 ml/min
3/28/2024 10:46 AM	20:00	7.05 pH	21.25 °C	408.34 µS/cm	0.23 mg/L	0.47 NTU	-75.6 mV	9.65 ft	400.00 ml/min
3/28/2024 10:51 AM	25:00	7.01 pH	21.32 °C	397.97 µS/cm	0.21 mg/L	0.41 NTU	-72.3 mV	9.62 ft	400.00 ml/min
3/28/2024 10:56 AM	30:00	7.01 pH	21.30 °C	391.41 µS/cm	0.21 mg/L	0.43 NTU	-71.5 mV	9.62 ft	400.00 ml/min
3/28/2024 11:01 AM	35:00	6.99 pH	21.42 °C	384.76 µS/cm	0.20 mg/L	0.36 NTU	-69.9 mV	9.62 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-6D	Sample time 1106

Low-Flow Test Report:

Test Date / Time: 3/28/2024 12:03:52 PM
Project: Watson CCR APMW-8
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-8 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 32.8 ft** **Total Depth: 42.8 ft** **Initial Depth to Water: 20.33 ft**	**Pump Type: QED** **Tubing Type: PE** **Pump Intake From TOC: 37.8 ft** **Estimated Total Volume Pumped: 10000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.09 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1055720**

Test Notes:
Ferrous iron =2.58mg/L. H2s = 0.0mg/L.

Weather Conditions:
Sunny 68

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
3/28/2024 12:03 PM	00:00	6.67 pH	22.01 °C	11,555 µS/cm	4.42 mg/L		32.6 mV	20.33 ft	400.00 ml/min
3/28/2024 12:08 PM	05:00	6.74 pH	22.07 °C	12,058 µS/cm	0.60 mg/L	3.79 NTU	-10.4 mV	20.38 ft	400.00 ml/min
3/28/2024 12:13 PM	10:00	6.76 pH	22.04 °C	12,034 µS/cm	0.34 mg/L	2.41 NTU	-18.5 mV	20.42 ft	400.00 ml/min
3/28/2024 12:18 PM	15:00	6.77 pH	22.05 °C	12,012 µS/cm	0.29 mg/L	2.13 NTU	-22.4 mV	20.42 ft	400.00 ml/min
3/28/2024 12:23 PM	20:00	6.78 pH	22.04 °C	11,990 µS/cm	0.27 mg/L	1.10 NTU	-24.6 mV	20.42 ft	400.00 ml/min
3/28/2024 12:28 PM	25:00	6.78 pH	22.09 °C	11,964 µS/cm	0.26 mg/L	0.98 NTU	-26.2 mV	20.42 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-8	Sample time 1234
Dup-03	Fake sample time 1134

Low-Flow Test Report:

Test Date / Time: 3/28/2024 12:19:57 PM
Project: Watson CCR APMW-15
Operator Name: Todd Voreis

Location Name: WATSON CCR APMW-15 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 20.5 ft** **Total Depth: 25.5 ft** **Initial Depth to Water: 2.48 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 23 ft** **Estimated Total Volume Pumped: 36000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: -0.15 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 852546**

Test Notes:
Ferrous iron = .08
H2S = .371

Weather Conditions:
Sunny, 69 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
3/28/2024 12:19 PM	00:00	6.51 pH	20.76 °C	7,909.8 µS/cm	0.22 mg/L		-318.3 mV	2.48 ft	400.00 ml/min
3/28/2024 12:24 PM	05:00	6.38 pH	20.84 °C	8,515.5 µS/cm	0.20 mg/L	1.26 NTU	-339.2 mV	2.50 ft	400.00 ml/min
3/28/2024 12:29 PM	10:00	6.37 pH	20.93 °C	8,656.0 µS/cm	0.20 mg/L	2.09 NTU	-311.2 mV	2.50 ft	400.00 ml/min
3/28/2024 12:34 PM	15:00	6.37 pH	20.99 °C	8,694.7 µS/cm	0.19 mg/L	17.30 NTU	-320.6 mV	2.50 ft	400.00 ml/min
3/28/2024 12:39 PM	20:00	6.37 pH	20.96 °C	8,713.1 µS/cm	0.19 mg/L	18.20 NTU	-316.8 mV	2.50 ft	400.00 ml/min
3/28/2024 12:44 PM	25:00	6.38 pH	21.01 °C	8,716.7 µS/cm	0.19 mg/L	5.70 NTU	-315.4 mV	2.50 ft	400.00 ml/min
3/28/2024 12:49 PM	30:00	6.38 pH	21.04 °C	8,713.0 µS/cm	0.19 mg/L	3.21 NTU	-319.6 mV	2.50 ft	400.00 ml/min
3/28/2024 12:54 PM	35:00	6.38 pH	21.06 °C	8,719.7 µS/cm	0.19 mg/L	4.40 NTU	-343.1 mV	2.50 ft	400.00 ml/min
3/28/2024 12:59 PM	40:00	6.37 pH	21.12 °C	8,701.4 µS/cm	0.19 mg/L	2.24 NTU	-318.8 mV	2.50 ft	400.00 ml/min
3/28/2024 1:04 PM	45:00	6.37 pH	21.11 °C	8,700.6 µS/cm	0.19 mg/L	2.52 NTU	-318.6 mV	2.50 ft	400.00 ml/min
3/28/2024 1:09 PM	50:00	6.37 pH	21.13 °C	8,706.4 µS/cm	0.18 mg/L	2.70 NTU	-317.0 mV	2.50 ft	400.00 ml/min
3/28/2024 1:14 PM	55:00	6.37 pH	21.18 °C	8,706.0 µS/cm	0.18 mg/L	3.52 NTU	-319.7 mV	2.50 ft	400.00 ml/min
3/28/2024 1:19 PM	01:00:00	6.37 pH	21.19 °C	8,705.7 µS/cm	0.18 mg/L	2.31 NTU	-319.5 mV	2.50 ft	400.00 ml/min

3/28/2024 1:24 PM	01:05:00	6.38 pH	21.19 °C	8,714.9 µS/cm	0.18 mg/L	1.31 NTU	-344.0 mV	2.45 ft	400.00 ml/min
3/28/2024 1:29 PM	01:10:00	6.37 pH	21.20 °C	8,720.1 µS/cm	0.18 mg/L	1.38 NTU	-320.1 mV	2.45 ft	400.00 ml/min
3/28/2024 1:34 PM	01:15:00	6.38 pH	21.22 °C	8,740.3 µS/cm	0.18 mg/L	1.17 NTU	-344.2 mV	2.35 ft	400.00 ml/min
3/28/2024 1:39 PM	01:20:00	6.37 pH	21.18 °C	8,727.6 µS/cm	0.18 mg/L	1.31 NTU	-319.8 mV	2.34 ft	400.00 ml/min
3/28/2024 1:44 PM	01:25:00	6.37 pH	21.25 °C	8,743.2 µS/cm	0.18 mg/L	1.50 NTU	-318.6 mV	2.34 ft	400.00 ml/min
3/28/2024 1:49 PM	01:30:00	6.37 pH	21.24 °C	8,734.6 µS/cm	0.18 mg/L	1.27 NTU	-320.1 mV	2.33 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-15	Sample time 1352

Low-Flow Test Report:

Test Date / Time: 3/28/2024 2:36:48 PM
Project: Watson CCR APMW-14
Operator Name: Todd Voreis

Location Name: Watson CCR APMW-14 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 16.5 ft** **Total Depth: 21.5 ft** **Initial Depth to Water: 2.03 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 19 ft** **Estimated Total Volume Pumped: 34000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.41 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 852546**

Test Notes:
Ferrous iron = 1.5
H2S = 0

Weather Conditions:
Sunny, 74 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
3/28/2024 2:36 PM	00:00	6.52 pH	22.98 °C	9,583.6 µS/cm	1.49 mg/L		-49.6 mV	2.03 ft	400.00 ml/min
3/28/2024 2:41 PM	05:00	6.28 pH	20.85 °C	9,988.9 µS/cm	0.18 mg/L	407.00 NTU	-51.2 mV	2.16 ft	400.00 ml/min
3/28/2024 2:46 PM	10:00	6.24 pH	20.79 °C	10,016 µS/cm	0.16 mg/L	965.00 NTU	-55.9 mV	2.20 ft	400.00 ml/min
3/28/2024 2:51 PM	15:00	6.22 pH	20.75 °C	10,088 µS/cm	0.15 mg/L	599.00 NTU	-57.7 mV	2.20 ft	400.00 ml/min
3/28/2024 2:56 PM	20:00	6.19 pH	20.78 °C	10,093 µS/cm	0.14 mg/L	30.90 NTU	-59.6 mV	2.22 ft	400.00 ml/min
3/28/2024 3:01 PM	25:00	6.15 pH	20.70 °C	10,111 µS/cm	0.13 mg/L	20.80 NTU	-60.2 mV	2.24 ft	400.00 ml/min
3/28/2024 3:06 PM	30:00	6.14 pH	20.67 °C	10,142 µS/cm	0.13 mg/L	17.20 NTU	-60.8 mV	2.24 ft	400.00 ml/min
3/28/2024 3:11 PM	35:00	6.12 pH	20.70 °C	10,128 µS/cm	0.13 mg/L	11.50 NTU	-60.1 mV	2.26 ft	400.00 ml/min
3/28/2024 3:16 PM	40:00	6.12 pH	20.73 °C	10,137 µS/cm	0.13 mg/L	16.90 NTU	-59.7 mV	2.29 ft	400.00 ml/min
3/28/2024 3:21 PM	45:00	6.12 pH	20.75 °C	10,131 µS/cm	0.12 mg/L	16.30 NTU	-59.3 mV	2.31 ft	400.00 ml/min
3/28/2024 3:26 PM	50:00	6.10 pH	20.76 °C	10,115 µS/cm	0.13 mg/L	12.90 NTU	-58.2 mV	2.33 ft	400.00 ml/min
3/28/2024 3:31 PM	55:00	6.08 pH	20.79 °C	10,108 µS/cm	0.13 mg/L	14.10 NTU	-57.6 mV	2.33 ft	400.00 ml/min
3/28/2024 3:36 PM	01:00:00	6.09 pH	20.75 °C	10,113 µS/cm	0.13 mg/L	13.80 NTU	-56.6 mV	2.35 ft	400.00 ml/min

3/28/2024 3:41 PM	01:05:00	6.08 pH	20.74 °C	10,121 µS/cm	0.12 mg/L	13.40 NTU	-55.0 mV	2.37 ft	400.00 ml/min
3/28/2024 3:46 PM	01:10:00	6.07 pH	20.79 °C	10,074 µS/cm	0.12 mg/L	13.80 NTU	-55.5 mV	2.40 ft	400.00 ml/min
3/28/2024 3:51 PM	01:15:00	6.07 pH	20.80 °C	10,072 µS/cm	0.12 mg/L	11.00 NTU	-55.1 mV	2.41 ft	400.00 ml/min
3/28/2024 3:56 PM	01:20:00	6.06 pH	20.75 °C	10,075 µS/cm	0.13 mg/L	10.00 NTU	-71.9 mV	2.42 ft	400.00 ml/min
3/28/2024 4:01 PM	01:25:00	6.06 pH	20.75 °C	10,075 µS/cm	0.12 mg/L	9.67 NTU	-53.4 mV	2.44 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-14	Sample time 1606

Low-Flow Test Report:

Test Date / Time: 3/28/2024 6:14:50 PM
Project: Watson CCR APMW-9
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-9 **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 32.5 ft** **Total Depth: 42.5 ft** **Initial Depth to Water: 22.38 ft**	**Pump Type: QED** **Tubing Type: PE** **Pump Intake From TOC: 37.5 ft** **Estimated Total Volume Pumped: 14000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.17 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1055720**

Test Notes:
Ferrous iron = 6.7mg/L. H2S = 0.0mg/L.

Weather Conditions:
Sunny 71

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
3/28/2024 6:14 PM	00:00	5.97 pH	21.73 °C	9,054.2 µS/cm	5.19 mg/L		141.6 mV	22.38 ft	400.00 ml/min
3/28/2024 6:19 PM	05:00	6.17 pH	22.13 °C	9,160.9 µS/cm	0.37 mg/L	4.59 NTU	72.4 mV	22.49 ft	400.00 ml/min
3/28/2024 6:24 PM	10:00	6.23 pH	22.13 °C	9,262.8 µS/cm	0.26 mg/L	2.87 NTU	35.0 mV	22.51 ft	400.00 ml/min
3/28/2024 6:29 PM	15:00	6.25 pH	22.09 °C	9,288.5 µS/cm	0.22 mg/L	1.43 NTU	6.2 mV	22.52 ft	400.00 ml/min
3/28/2024 6:34 PM	20:00	6.27 pH	22.06 °C	9,292.7 µS/cm	0.22 mg/L	0.96 NTU	-7.0 mV	22.54 ft	400.00 ml/min
3/28/2024 6:39 PM	25:00	6.28 pH	22.04 °C	9,287.6 µS/cm	0.21 mg/L	0.87 NTU	-14.0 mV	22.55 ft	400.00 ml/min
3/28/2024 6:44 PM	30:00	6.29 pH	22.02 °C	9,281.3 µS/cm	0.21 mg/L	0.82 NTU	-18.5 mV	22.55 ft	400.00 ml/min
3/28/2024 6:49 PM	35:00	6.30 pH	22.00 °C	9,296.2 µS/cm	0.21 mg/L	0.79 NTU	-21.5 mV	22.55 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-9	Sample time 1853
FB-02	Sample time 1816

EB-02	Sample time 1828

Low-Flow Test Report:

Test Date / Time: 3/29/2024 8:25:44 AM
Project: Watson CCR APMW-13
Operator Name: Todd Voreis

Location Name: Watson CCR APMW-13 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 16.5 ft** **Total Depth: 21.5 ft** **Initial Depth to Water: 2.98 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 19 ft** **Estimated Total Volume Pumped: 42633.332 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: -0.16 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 852546**

Test Notes:
Ferrous iron = 1.10
H2S = 0

Weather Conditions:
Sunny, 51 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
3/29/2024 8:25 AM	00:00	5.80 pH	16.76 °C	5,908.2 µS/cm	0.51 mg/L		66.1 mV	2.98 ft	400.00 ml/min
3/29/2024 8:27 AM	01:35	5.85 pH	18.30 °C	5,750.8 µS/cm	0.33 mg/L	77.00 NTU	55.9 mV	3.04 ft	400.00 ml/min
3/29/2024 8:32 AM	06:35	5.91 pH	19.31 °C	5,663.8 µS/cm	0.23 mg/L	42.50 NTU	38.4 mV	3.04 ft	400.00 ml/min
3/29/2024 8:37 AM	11:35	5.93 pH	19.63 °C	5,627.0 µS/cm	0.19 mg/L	23.90 NTU	23.4 mV	3.04 ft	400.00 ml/min
3/29/2024 8:42 AM	16:35	5.94 pH	19.77 °C	5,610.5 µS/cm	0.17 mg/L	17.40 NTU	14.2 mV	3.04 ft	400.00 ml/min
3/29/2024 8:47 AM	21:35	5.95 pH	19.92 °C	5,589.8 µS/cm	0.17 mg/L	14.40 NTU	7.5 mV	3.02 ft	400.00 ml/min
3/29/2024 8:52 AM	26:35	5.96 pH	19.99 °C	5,576.5 µS/cm	0.16 mg/L	15.30 NTU	2.8 mV	3.00 ft	400.00 ml/min
3/29/2024 8:57 AM	31:35	5.97 pH	20.08 °C	5,582.1 µS/cm	0.15 mg/L	13.80 NTU	-1.2 mV	2.99 ft	400.00 ml/min
3/29/2024 9:02 AM	36:35	5.97 pH	20.17 °C	5,574.2 µS/cm	0.15 mg/L	13.20 NTU	-4.3 mV	2.98 ft	400.00 ml/min
3/29/2024 9:07 AM	41:35	5.98 pH	20.24 °C	5,573.7 µS/cm	0.14 mg/L	9.60 NTU	-7.2 mV	2.97 ft	400.00 ml/min
3/29/2024 9:12 AM	46:35	5.99 pH	20.30 °C	5,560.7 µS/cm	0.14 mg/L	9.23 NTU	-9.6 mV	2.95 ft	400.00 ml/min
3/29/2024 9:17 AM	51:35	5.99 pH	20.38 °C	5,564.9 µS/cm	0.14 mg/L	9.19 NTU	-11.7 mV	2.95 ft	400.00 ml/min
3/29/2024 9:22 AM	56:35	5.99 pH	20.43 °C	5,564.2 µS/cm	0.14 mg/L	8.94 NTU	-13.8 mV	2.95 ft	400.00 ml/min

3/29/2024 9:27 AM	01:01:35	5.99 pH	20.49 °C	5,559.6 µS/cm	0.14 mg/L	8.29 NTU	-15.5 mV	2.95 ft	400.00 ml/min
3/29/2024 9:32 AM	01:06:35	6.00 pH	20.52 °C	5,559.9 µS/cm	0.14 mg/L	7.06 NTU	-17.3 mV	2.93 ft	400.00 ml/min
3/29/2024 9:37 AM	01:11:35	6.00 pH	20.57 °C	5,560.7 µS/cm	0.13 mg/L	8.56 NTU	-19.7 mV	2.91 ft	400.00 ml/min
3/29/2024 9:42 AM	01:16:35	6.00 pH	20.63 °C	5,556.1 µS/cm	0.13 mg/L	7.17 NTU	-20.3 mV	2.90 ft	400.00 ml/min
3/29/2024 9:47 AM	01:21:35	6.00 pH	20.65 °C	5,558.6 µS/cm	0.13 mg/L	6.94 NTU	-21.4 mV	2.87 ft	400.00 ml/min
3/29/2024 9:52 AM	01:26:35	6.01 pH	20.68 °C	5,561.3 µS/cm	0.13 mg/L	6.27 NTU	-22.6 mV	2.85 ft	400.00 ml/min
3/29/2024 9:57 AM	01:31:35	6.01 pH	20.71 °C	5,557.0 µS/cm	0.13 mg/L	7.13 NTU	-23.4 mV	2.84 ft	400.00 ml/min
3/29/2024 10:02 AM	01:36:35	6.01 pH	20.75 °C	5,553.1 µS/cm	0.13 mg/L	6.36 NTU	-25.2 mV	2.82 ft	400.00 ml/min
3/29/2024 10:07 AM	01:41:35	6.01 pH	20.77 °C	5,550.8 µS/cm	0.13 mg/L	6.85 NTU	-25.0 mV	2.82 ft	400.00 ml/min
3/29/2024 10:12 AM	01:46:35	6.01 pH	20.78 °C	5,552.6 µS/cm	0.13 mg/L	6.39 NTU	-25.6 mV	2.82 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-13	Sample time 1015

Low-Flow Test Report:

Test Date / Time: 3/29/2024 8:41:33 AM
Project: Watson CCR APMW-10
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-10 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 22.9 ft** **Total Depth: 32.9 ft** **Initial Depth to Water: 20.67 ft**	**Pump Type: QED** **Tubing Type: PE** **Pump Intake From TOC: 27.9 ft** **Estimated Total Volume Pumped: 14000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.22 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1055720**

Test Notes:
Ferrous iron was greater than 7.0mg/L. My estimation would be around 9mg/L.
H2s = 0.0mg/L

Weather Conditions:
Sunny 52

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
3/29/2024 8:41 AM	00:00	6.72 pH	17.13 °C	2,936.4 µS/cm	7.33 mg/L		128.4 mV	20.67 ft	400.00 ml/min
3/29/2024 8:46 AM	05:00	6.56 pH	21.19 °C	2,602.5 µS/cm	0.31 mg/L	1.33 NTU	28.3 mV	20.89 ft	400.00 ml/min
3/29/2024 8:51 AM	10:00	6.64 pH	21.56 °C	2,591.1 µS/cm	0.21 mg/L	1.17 NTU	-20.5 mV	20.89 ft	400.00 ml/min
3/29/2024 8:56 AM	15:00	6.70 pH	21.63 °C	2,595.4 µS/cm	0.19 mg/L	1.02 NTU	-48.1 mV	20.89 ft	400.00 ml/min
3/29/2024 9:01 AM	20:00	6.74 pH	21.72 °C	2,598.9 µS/cm	0.18 mg/L	0.63 NTU	-60.6 mV	20.89 ft	400.00 ml/min
3/29/2024 9:06 AM	25:00	6.77 pH	21.68 °C	2,601.8 µS/cm	0.18 mg/L	0.59 NTU	-68.4 mV	20.89 ft	400.00 ml/min
3/29/2024 9:11 AM	30:00	6.80 pH	21.75 °C	2,613.8 µS/cm	0.18 mg/L	0.55 NTU	-74.4 mV	20.89 ft	400.00 ml/min
3/29/2024 9:16 AM	35:00	6.83 pH	21.82 °C	2,624.5 µS/cm	0.18 mg/L	0.58 NTU	-79.1 mV	20.89 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-10	Sample time 0920
Dup-04	Fake sample time 0820

Low-Flow Test Report:

Test Date / Time: 3/29/2024 10:27:21 AM
Project: Watson CCR APMW-10D
Operator Name: Rick Hagendorfer

Location Name: Watson CCR APMW-10D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 201.4 ft** **Total Depth: 206.4 ft** **Initial Depth to Water: 14.68 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 203.9 ft** **Estimated Total Volume Pumped: 12000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.5 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1055720**

Test Notes:
Ferrous iron =0.0mg/L H2S = 0.2mg/L

Weather Conditions:
Sunny 67

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
3/29/2024 10:27 AM	00:00	8.61 pH	22.18 °C	248.01 µS/cm	1.03 mg/L		-47.8 mV	14.68 ft	400.00 ml/min
3/29/2024 10:32 AM	05:00	8.77 pH	22.58 °C	245.27 µS/cm	0.43 mg/L	1.38 NTU	-65.2 mV	15.18 ft	400.00 ml/min
3/29/2024 10:37 AM	10:00	8.84 pH	22.66 °C	240.32 µS/cm	0.32 mg/L	1.37 NTU	-73.3 mV	15.18 ft	400.00 ml/min
3/29/2024 10:42 AM	15:00	8.89 pH	22.71 °C	237.20 µS/cm	0.29 mg/L	1.82 NTU	-80.3 mV	15.18 ft	400.00 ml/min
3/29/2024 10:47 AM	20:00	8.91 pH	22.72 °C	235.81 µS/cm	0.26 mg/L	2.24 NTU	-85.0 mV	15.18 ft	400.00 ml/min
3/29/2024 10:52 AM	25:00	8.92 pH	22.73 °C	234.94 µS/cm	0.25 mg/L	1.88 NTU	-88.5 mV	15.18 ft	400.00 ml/min
3/29/2024 10:57 AM	30:00	8.91 pH	22.71 °C	235.23 µS/cm	0.24 mg/L	1.86 NTU	-91.1 mV	15.18 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-10D	Sample time 1102

Low-Flow Test Report:

Test Date / Time: 3/29/2024 12:29:11 PM
Project: Watson CCR APMW-11
Operator Name: Todd voreis

Location Name: Watson CCR APMW-11 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 41.6 ft** **Total Depth: 51.6 ft** **Initial Depth to Water: 18.37 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 46.6 ft** **Estimated Total Volume Pumped: 8000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.04 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 852546**

Test Notes:
Ferrous iron =
H2S = 1.94

Weather Conditions:
Sunny, 71 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
3/29/2024 12:29 PM	00:00	6.04 pH	22.43 °C	115.86 µS/cm	0.31 mg/L		23.4 mV	18.37 ft	400.00 ml/min
3/29/2024 12:34 PM	05:00	6.07 pH	22.53 °C	113.38 µS/cm	0.20 mg/L	0.97 NTU	18.5 mV	18.41 ft	400.00 ml/min
3/29/2024 12:39 PM	10:00	6.09 pH	22.53 °C	113.83 µS/cm	0.17 mg/L	0.84 NTU	14.2 mV	18.41 ft	400.00 ml/min
3/29/2024 12:44 PM	15:00	6.11 pH	22.54 °C	113.91 µS/cm	0.15 mg/L	0.64 NTU	10.2 mV	18.41 ft	400.00 ml/min
3/29/2024 12:49 PM	20:00	6.11 pH	22.49 °C	112.64 µS/cm	0.14 mg/L	0.73 NTU	8.0 mV	18.41 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-11	Sample time 1255

Low-Flow Test Report:

Test Date / Time: 3/29/2024 1:47:11 PM
Project: Watson CCR APMW-12
Operator Name: Todd Voreis

Location Name: Watson CCR APMW-12 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 44.1 ft** **Total Depth: 54.1 ft** **Initial Depth to Water: 16.02 ft**	**Pump Type: PP** **Tubing Type: PE** **Pump Intake From TOC: 39.1 ft** **Estimated Total Volume Pumped: 10000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.07 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 852546**

Test Notes:
Ferrous iron = 3.24
H2S = 0

Weather Conditions:
Sunny, 72 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
3/29/2024 1:47 PM	00:00	6.51 pH	23.69 °C	148.13 µS/cm	2.95 mg/L		58.4 mV	16.02 ft	400.00 ml/min
3/29/2024 1:52 PM	05:00	6.09 pH	22.44 °C	159.07 µS/cm	0.19 mg/L	1.22 NTU	35.9 mV	16.09 ft	400.00 ml/min
3/29/2024 1:57 PM	10:00	6.09 pH	22.36 °C	160.42 µS/cm	0.15 mg/L	1.14 NTU	25.2 mV	16.09 ft	400.00 ml/min
3/29/2024 2:02 PM	15:00	6.09 pH	22.31 °C	159.34 µS/cm	0.14 mg/L	1.47 NTU	19.2 mV	16.09 ft	400.00 ml/min
3/29/2024 2:07 PM	20:00	6.11 pH	22.33 °C	159.79 µS/cm	0.12 mg/L	0.92 NTU	15.0 mV	16.09 ft	400.00 ml/min
3/29/2024 2:12 PM	25:00	6.11 pH	22.35 °C	161.06 µS/cm	0.12 mg/L	0.98 NTU	12.3 mV	16.09 ft	400.00 ml/min

Samples

Sample ID:	Description:
APMW-12	Sample time 1418

Appendix B

1st
Semi-Annual
Monitoring Event

GROUNDWATER STATS CONSULTING

January 31, 2024

Southern Company Services
Attn: Mr. Trey Singleton
3535 Colonnade Parkway
Birmingham, AL 35243

Re: Plant Watson Ash Pond
Statistical Analysis – October 2023

Dear Mr. Singleton,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the statistical analysis of data for the October 2023 sample event for Mississippi Power Company's Plant Watson Ash Pond. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals (CCR) from Electric Utilities (CCR Rule, 2015) and follows the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Data were sent electronically and the analysis was reviewed by Andrew Collins, Project Manager for Groundwater Stats Consulting.

The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient wells:** APMW-11, APMW-12, APMW-13, APMW-14, APMW-15, and APMW-16
- **Downgradient wells:** APMW-1R, APMW-2, APMW-3, APMW-4, APMW-5, APMW-6R, APMW-7, APMW-8, APMW-9, APMW-10
- **Delineation wells:** APMW-2D, APMW-3D, APMW-4D, APMW-5D, APMW-6D, APMW-8D, and APMW-10D

Sampling began for the CCR program in April 2018 for wells listed above with some exceptions. New background wells APMW-11 and APMW-12, and downgradient well

APMW-1R (a replacement well for well APMW-1) were first sampled in March 2019. Sampling began in April 2019 for downgradient well APMW-6R (a replacement well for APMW-6). New upgradient wells APMW-13, APMW-14, APMW-15, and APMW-16 along with delineation wells were first sampled in July 2020.

Note that all data from upgradient wells are incorporated into the interwell statistical limits. Additionally, data for wells APMW-1R and APMW-6R were combined with their corresponding wells APMW-1 and APMW-6, respectively.

Delineation wells are analyzed using confidence intervals for Appendix IV constituents when a minimum of 8 samples are available and, currently, all delineation wells have sufficient samples. Data from all the delineation wells are plotted on the time series graphs and box plots.

The CCR program consists of the following constituents:

- **Appendix III** (Detection Monitoring) **-** boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **Appendix IV** (Assessment Monitoring) **–** antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, combined radium 226 + 228, fluoride, lead, lithium, mercury, molybdenum, selenium, and thallium

Time series plots and box plots are included for all constituents at all wells (Figures A and B, respectively). The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and between all wells. Note that due to elevated reporting limits during this event, historical reporting limits, which are lower, were substituted for the following constituents:

- Antimony – 0.002 mg/L
- Arsenic – 0.005 mg/L
- Beryllium – 0.0025 mg/L
- Cadmium – 0.0025 mg/L
- Chromium – 0.002 mg/L
- Cobalt – 0.0025 mg/L
- Lead – 0.001 mg/L
- Molybdenum – 0.015 mg/L
- Selenium – 0.005 mg/L
- Thallium – 0.001 mg/L

Summary of Background Screening – Conducted in April 2019

Data at upgradient and downgradient wells were evaluated in during the background screening conducted in April 2019 for the following: 1) outliers; 2) trends; 3) most appropriate statistical method for Appendix III parameters based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended. Interwell prediction limits were selected as the most appropriate statistical method to evaluate the Appendix III parameters at this site. Power curves were submitted at that time and demonstrated that the selected statistical methods for Appendix III parameters comply with the USEPA Unified Guidance. The EPA suggests the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations.

During the background screening conducted in April 2019, Tukey's box plot method was used to screen for outliers and the findings were submitted at that time. When any values are flagged in the database as outliers, they are plotted in a disconnected and lighter symbol on the time series graph and the accompanying data pages display the flagged value in a lighter font.

Summary of Statistical Methods

Parametric prediction limits are utilized when the screened historical data follow a normal or transformed-normal distribution. The confidence levels associated with parametric prediction limits are based on an overall false positive rate of 5%. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized where the highest background value is used to establish the upper prediction limit (and lowest value in the case of pH). The associated confidence level is dependent on the number of available background, future comparisons, and resample plan. The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. After testing for normality and performing any adjustments as discussed below (USEPA Unified Guidance, 2009), data are analyzed using either parametric or non-parametric prediction limits.

- No statistical analyses are required on wells and analytes containing 100% non-detects.
- When data contain <15% non-detects, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the most recent practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% non-detects, the Kaplan-Meier non-detect adjustment is applied to the background data for parametric limits. This technique

adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.

- Nonparametric prediction limits are used on data containing greater than 50% non-detects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after careful screening for any new outliers. While this was not required for this report, in some cases, deselecting the earlier portion of data may be necessary prior to construction of limits so that resulting statistical limits are conservative (lower) from a regulatory perspective and capable of rapidly detecting changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

Evaluation of Appendix III Parameters – October 2023

Background (upgradient) well data were screened for potential outliers using time series plots during this analysis. During a previous analysis, the highest sulfate value in upgradient well APMW-13 was flagged as an outlier since remaining measurements in this well and neighboring upgradient wells are considerably lower. This step results in more conservative (i.e., lower) limits from a regulatory perspective. No additional outliers were identified or flagged during this analysis. A summary of previously flagged values follows this letter (Figure C).

The time series plots were also used to identify variation among data in upgradient wells. It was noted that concentrations for boron, calcium, chloride, sulfate, and TDS across the new upgradient wells are similar, but significantly higher than those observed in the existing upgradient wells. Further studies beyond the scope of this analysis would be needed to fully understand the groundwater population upgradient of the ash pond, and the appropriateness of pooling all upgradient well data for construction of prediction limits. The assumption at this time, however, is that pooling all upgradient well data results in statistical limits that are representative of the entire background population and serve to balance the false positive risk (identifying a problem in a downgradient well when none exists) with the false negative risk (not identifying impacts when they exist in a downgradient well).

Interwell Prediction Limits

Interwell prediction limits, combined with a 1-of-2 resample plan, were constructed for all Appendix III constituents--boron, calcium, chloride, fluoride, pH, sulfate and TDS--using pooled upgradient well data through October 2023 to develop background limits (Figure D). The October 2023 observation at each downgradient well was compared to its respective background limit during this analysis. Note that due to historic varying detection limits from dilution for fluoride, the most recent reporting limit of 0.2 mg/L was used for all wells.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. When the resample confirms the initial exceedance, a statistically significant increase (SSI) is identified, and further research would be required to identify the cause of the exceedance (i.e., impact from the site, natural variation, or an off-site source). If a resample falls within the statistical limit, the initial exceedance is considered to be a false positive result and, therefore, no further action is necessary.

Summary tables of the prediction limit findings follow this letter. When the October 2023 samples from downgradient wells were evaluated using interwell prediction limits, exceedances were identified for the following well/constituent pairs:

- Boron: APMW-1R, APMW-2, APMW-3, APMW-5, APMW-6R, APMW-8, APMW-9, and APMW-10
- Calcium: APMW-1R, APMW-2, APMW-3, APMW-5, APMW-6R, APMW-8, and APMW-9
- Chloride: APMW-2, APMW-3, and APMW-5
- Fluoride: APMW-8 and APMW-10
- pH: APMW-10 (upper limit)
- Sulfate: APMW-3
- TDS: APMW-3 and APMW-5

Trend Tests

The Sen's Slope/Mann Kendall trend test was performed at the 99% confidence level on wells/constituent pairs with prediction limit exceedances (Figure E). Existing upgradient wells were included in this analysis for a general comparison of how the groundwater behaves upgradient of the facility relative to downgradient. A summary of these findings follows this letter. When the entire record of data was evaluated, the following statistically significant trends were identified:

Increasing:

- Boron: APMW-6R
- Calcium: APMW-1R
- pH: APMW-10

Decreasing:

- Boron: APMW-2
- Calcium: APMW-11 and APMW-15 (both upgradient)
- Chloride: APMW-3
- pH: APMW-11 and APMW-12 (both upgradient)
- Sulfate: APMW-3

Evaluation of Appendix IV Parameters – October 2023

For analysis of Appendix IV parameters, confidence intervals for each downgradient well/constituent pair were compared against corresponding Groundwater Protection Standards (GWPS). GWPS were developed as described below. Well/constituent pairs that contain 100% non-detects do not require analysis and a list of 100% non-detect downgradient well/constituent pairs follows this report. Data from background (upgradient) wells for Appendix IV parameters are reassessed for outliers during each analysis. No additional outliers were flagged and a summary of flagged outliers follows this report. As mentioned above, due to historic varying detection limits from dilution for fluoride, the most recent reporting limit of 0.2 mg/L was used for all wells.

Interwell Upper Tolerance Limits

Parametric upper tolerance limits (UTLs) were used to calculate background limits, when data followed a normal distribution, from pooled upgradient well data for Appendix IV parameters with a target of 95% confidence and 95% coverage to determine the background limits (Figure F). When data did not follow a normal or transformed-normal distribution, nonparametric upper tolerance limits were constructed and the confidence and coverage levels are dependent upon the number of background samples.

Groundwater Protection Standards

UTLs were compared to the Maximum Contaminant Levels (MCs) and CCR-Rule Specified Levels in the GWPS table following this letter to determine the highest limit for use as the Groundwater Protection Standard (GWPS) in the Confidence Interval comparisons (Figure G).

Confidence Intervals

Confidence intervals were then constructed on downgradient wells for each of the Appendix IV parameters using the highest limit of either the MCL, CCR-Rule Specified level, or background as discussed above (Figure H). These intervals were constructed as either parametric or nonparametric confidence intervals depending on the data distribution and percentage of non-detects. When data followed a normal or transformed-normal distribution, parametric confidence intervals were used for Appendix IV parameters. Nonparametric confidence intervals were constructed when data did not follow a normal or transformed-normal distribution or when there were greater than 50% non-detects. The lower confidence limit, which is constructed with 99% confidence for parametric confidence intervals, is compared to the GWPS prepared as described above. The confidence level associated with nonparametric confidence intervals is dependent upon the number samples available.

As mentioned, well/constituent pairs containing 100% non-detects did not require statistics; therefore, they were deselected prior to construction of confidence intervals. Each confidence interval was compared with the corresponding GWPS. Only when the entire confidence interval is above a GWPS is the well/constituent pair considered to exceed its respective standard. Exceedances were identified for the following well/constituent pairs:

- Arsenic: APMW-3, APMW-4, APMW-5, APMW-5D, APMW-6R, APMW-8, and APMW-10
- Barium: APMW-2
- Combined Radium 226 + 228: APMW-1R, APMW-2, APMW-4D, and APMW-9
- Lithium: APMW-3, APMW-4, APMW-4D, APMW-6R, and APMW-8
- Molybdenum: APMW-4D and APMW-6R

Trend Tests

When confidence interval exceedances are identified in downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are statistically increasing, decreasing, or stable at the 95% confidence level (Figure I). Utilizing the 95% confidence level for trend tests readily identifies significant trends and is more sensitive than the 99% confidence level without drastically increasing the false negative rate. Upgradient wells are included in the trend analyses for all parameters found to exceed their prediction limit in downgradient wells. When similar

patterns exist upgradient of the site, it is an indication of variability in groundwater which may be unrelated to practices at the site. Statistically significant trends were identified for the following well/constituent pairs:

Increasing:

- Arsenic: APMW-5D and APMW-6R
- Barium: APMW-2
- Combined Radium 226 + 228: APMW-1R and APMW-9
- Lithium: APMW-12 (upgradient)
- Molybdenum: APMW-6R

Decreasing:

- Arsenic: APMW-3, APMW-4, and APMW-10
- Barium: APMW-11 and APMW-12 (both upgradient)
- Lithium: APMW-3, APMW-4, and APMW-8

A summary of all results follows this letter. Note that Southern Company Services, reportedly, submitted an Alternate Source Demonstration (ASD) for barium and combined radium 226 + 228 confidence interval exceedances.

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Watson Ash Pond. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,

Kristina L. Rayner
Senior Statistician

Andrew Collins
Project Manager

100% Non-Detects: Appendix IV Downgradient & Delineation

Analysis Run 11/30/2023 10:47 AM View: Appendix IV - Confidence Intervals
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Antimony (mg/L)
APMW-10, APMW-1R, APMW-2D, APMW-3D, APMW-4, APMW-4D, APMW-5, APMW-5D, APMW-6R, APMW-7, APMW-8D, APMW-9

Beryllium (mg/L)
APMW-2D, APMW-3D, APMW-4, APMW-4D, APMW-5, APMW-5D, APMW-6D, APMW-8D

Cadmium (mg/L)
APMW-2, APMW-2D, APMW-3, APMW-3D, APMW-4, APMW-4D, APMW-5, APMW-5D, APMW-6D, APMW-7, APMW-8, APMW-8D, APMW-9

Chromium (mg/L)
APMW-10, APMW-10D, APMW-2, APMW-3D, APMW-4D, APMW-6D, APMW-6R, APMW-8D, APMW-9

Cobalt (mg/L)
APMW-2, APMW-2D, APMW-8

Lead (mg/L)
APMW-1R, APMW-3D, APMW-6D, APMW-8D

Mercury (mg/L)
APMW-10D, APMW-2, APMW-2D, APMW-3, APMW-3D, APMW-4, APMW-4D, APMW-5D, APMW-6D, APMW-6R, APMW-8D

Molybdenum (mg/L)
APMW-1R

Selenium (mg/L)
APMW-10D, APMW-1R, APMW-2D, APMW-4D, APMW-5D, APMW-6D, APMW-6R, APMW-8D

Thallium (mg/L)
APMW-2D, APMW-3D, APMW-4, APMW-4D, APMW-5, APMW-5D, APMW-6D, APMW-6R, APMW-7, APMW-8D

Interwell Prediction Limit Summary - Significant Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 11/30/2023, 9:58 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	TransformAlpha		Method
Boron (mg/L)	APMW-10	1.2	n/a	10/21/2023	2.7	Yes	66	n/a	n/a	19.7	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-1R	1.2	n/a	10/19/2023	5	Yes	66	n/a	n/a	19.7	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-2	1.2	n/a	10/19/2023	3.4	Yes	66	n/a	n/a	19.7	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-3	1.2	n/a	10/19/2023	5	Yes	66	n/a	n/a	19.7	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-5	1.2	n/a	10/20/2023	6	Yes	66	n/a	n/a	19.7	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-6R	1.2	n/a	10/20/2023	13	Yes	66	n/a	n/a	19.7	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-8	1.2	n/a	10/20/2023	21	Yes	66	n/a	n/a	19.7	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-9	1.2	n/a	10/20/2023	7	Yes	66	n/a	n/a	19.7	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-1R	130	n/a	10/19/2023	180	Yes	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-2	130	n/a	10/19/2023	340	Yes	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-3	130	n/a	10/19/2023	270	Yes	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-5	130	n/a	10/20/2023	290	Yes	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-6R	130	n/a	10/20/2023	320	Yes	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-8	130	n/a	10/20/2023	490	Yes	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-9	130	n/a	10/20/2023	250	Yes	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-2	5400	n/a	10/19/2023	6900	Yes	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-3	5400	n/a	10/19/2023	8800	Yes	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-5	5400	n/a	10/20/2023	7300	Yes	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-10	0.54	n/a	10/21/2023	0.58	Yes	68	n/a	n/a	22.06	n/a	n/a	0.0004111	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-8	0.54	n/a	10/20/2023	0.7	Yes	68	n/a	n/a	22.06	n/a	n/a	0.0004111	NP Inter (normality) 1 of 2
pH (SU)	APMW-10	6.754	5.831	10/21/2023	7.06	Yes	67	6.293	0.2309	0	None	No	0.0003761	Param Inter 1 of 2
Sulfate (mg/L)	APMW-3	870	n/a	10/19/2023	980	Yes	65	n/a	n/a	10.77	n/a	n/a	0.0004508	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-3	9200	n/a	10/19/2023	17000	Yes	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-5	9200	n/a	10/20/2023	13000	Yes	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2

Interwell Prediction Limit Summary - All Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 11/30/2023, 9:58 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	TransformAlpha	Method
Boron (mg/L)	**APMW-10**	**1.2**	**n/a**	**10/21/2023**	**2.7**	**Yes**	**66**	**n/a**	**n/a**	**19.7**	**n/a**	**n/a**	**0.0004376**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**APMW-1R**	**1.2**	**n/a**	**10/19/2023**	**5**	**Yes**	**66**	**n/a**	**n/a**	**19.7**	**n/a**	**n/a**	**0.0004376**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**APMW-2**	**1.2**	**n/a**	**10/19/2023**	**3.4**	**Yes**	**66**	**n/a**	**n/a**	**19.7**	**n/a**	**n/a**	**0.0004376**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**APMW-3**	**1.2**	**n/a**	**10/19/2023**	**5**	**Yes**	**66**	**n/a**	**n/a**	**19.7**	**n/a**	**n/a**	**0.0004376**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	APMW-4	1.2	n/a	10/19/2023	0.93	No	66	n/a	n/a	19.7	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Boron (mg/L)	**APMW-5**	**1.2**	**n/a**	**10/20/2023**	**6**	**Yes**	**66**	**n/a**	**n/a**	**19.7**	**n/a**	**n/a**	**0.0004376**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**APMW-6R**	**1.2**	**n/a**	**10/20/2023**	**13**	**Yes**	**66**	**n/a**	**n/a**	**19.7**	**n/a**	**n/a**	**0.0004376**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	APMW-7	1.2	n/a	10/20/2023	1.1	No	66	n/a	n/a	19.7	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Boron (mg/L)	**APMW-8**	**1.2**	**n/a**	**10/20/2023**	**21**	**Yes**	**66**	**n/a**	**n/a**	**19.7**	**n/a**	**n/a**	**0.0004376**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**APMW-9**	**1.2**	**n/a**	**10/20/2023**	**7**	**Yes**	**66**	**n/a**	**n/a**	**19.7**	**n/a**	**n/a**	**0.0004376**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	APMW-10	130	n/a	10/21/2023	44	No	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Calcium (mg/L)	**APMW-1R**	**130**	**n/a**	**10/19/2023**	**180**	**Yes**	**66**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0004376**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-2**	**130**	**n/a**	**10/19/2023**	**340**	**Yes**	**66**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0004376**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-3**	**130**	**n/a**	**10/19/2023**	**270**	**Yes**	**66**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0004376**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	APMW-4	130	n/a	10/19/2023	97	No	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Calcium (mg/L)	**APMW-5**	**130**	**n/a**	**10/20/2023**	**290**	**Yes**	**66**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0004376**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-6R**	**130**	**n/a**	**10/20/2023**	**320**	**Yes**	**66**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0004376**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	APMW-7	130	n/a	10/20/2023	100	No	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Calcium (mg/L)	**APMW-8**	**130**	**n/a**	**10/20/2023**	**490**	**Yes**	**66**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0004376**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-9**	**130**	**n/a**	**10/20/2023**	**250**	**Yes**	**66**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0004376**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	APMW-10	5400	n/a	10/21/2023	630	No	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-1R	5400	n/a	10/19/2023	2300	No	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Chloride (mg/L)	**APMW-2**	**5400**	**n/a**	**10/19/2023**	**6900**	**Yes**	**66**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0004376**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**APMW-3**	**5400**	**n/a**	**10/19/2023**	**8800**	**Yes**	**66**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0004376**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	APMW-4	5400	n/a	10/19/2023	2100	No	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Chloride (mg/L)	**APMW-5**	**5400**	**n/a**	**10/20/2023**	**7300**	**Yes**	**66**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0004376**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	APMW-6R	5400	n/a	10/20/2023	3300	No	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-7	5400	n/a	10/20/2023	3900	No	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-8	5400	n/a	10/20/2023	3400	No	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-9	5400	n/a	10/20/2023	2900	No	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Fluoride (mg/L)	**APMW-10**	**0.54**	**n/a**	**10/21/2023**	**0.58**	**Yes**	**68**	**n/a**	**n/a**	**22.06**	**n/a**	**n/a**	**0.0004111**	**NP Inter (normality) 1 of 2**
Fluoride (mg/L)	APMW-1R	0.54	n/a	10/19/2023	0.12J	No	68	n/a	n/a	22.06	n/a	n/a	0.0004111	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-2	0.54	n/a	10/19/2023	0.2ND	No	68	n/a	n/a	22.06	n/a	n/a	0.0004111	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-3	0.54	n/a	10/19/2023	0.17J	No	68	n/a	n/a	22.06	n/a	n/a	0.0004111	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-4	0.54	n/a	10/19/2023	0.41	No	68	n/a	n/a	22.06	n/a	n/a	0.0004111	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-5	0.54	n/a	10/20/2023	0.2ND	No	68	n/a	n/a	22.06	n/a	n/a	0.0004111	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-6R	0.54	n/a	10/20/2023	0.2ND	No	68	n/a	n/a	22.06	n/a	n/a	0.0004111	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-7	0.54	n/a	10/20/2023	0.026J	No	68	n/a	n/a	22.06	n/a	n/a	0.0004111	NP Inter (normality) 1 of 2
Fluoride (mg/L)	**APMW-8**	**0.54**	**n/a**	**10/20/2023**	**0.7**	**Yes**	**68**	**n/a**	**n/a**	**22.06**	**n/a**	**n/a**	**0.0004111**	**NP Inter (normality) 1 of 2**
Fluoride (mg/L)	APMW-9	0.54	n/a	10/20/2023	0.057J	No	68	n/a	n/a	22.06	n/a	n/a	0.0004111	NP Inter (normality) 1 of 2
pH (SU)	**APMW-10**	**6.754**	**5.831**	**10/21/2023**	**7.06**	**Yes**	**67**	**6.293**	**0.2309**	**0**	**None**	**No**	**0.0003761**	**Param Inter 1 of 2**
pH (SU)	APMW-1R	6.754	5.831	10/19/2023	6.23	No	67	6.293	0.2309	0	None	No	0.0003761	Param Inter 1 of 2
pH (SU)	APMW-2	6.754	5.831	10/19/2023	5.93	No	67	6.293	0.2309	0	None	No	0.0003761	Param Inter 1 of 2
pH (SU)	APMW-3	6.754	5.831	10/19/2023	6.72	No	67	6.293	0.2309	0	None	No	0.0003761	Param Inter 1 of 2
pH (SU)	APMW-4	6.754	5.831	10/19/2023	6.22	No	67	6.293	0.2309	0	None	No	0.0003761	Param Inter 1 of 2
pH (SU)	APMW-5	6.754	5.831	10/20/2023	6.36	No	67	6.293	0.2309	0	None	No	0.0003761	Param Inter 1 of 2
pH (SU)	APMW-6R	6.754	5.831	10/20/2023	6.15	No	67	6.293	0.2309	0	None	No	0.0003761	Param Inter 1 of 2
pH (SU)	APMW-7	6.754	5.831	10/20/2023	6.28	No	67	6.293	0.2309	0	None	No	0.0003761	Param Inter 1 of 2
pH (SU)	APMW-8	6.754	5.831	10/20/2023	6.61	No	67	6.293	0.2309	0	None	No	0.0003761	Param Inter 1 of 2
pH (SU)	APMW-9	6.754	5.831	10/20/2023	6.23	No	67	6.293	0.2309	0	None	No	0.0003761	Param Inter 1 of 2
Sulfate (mg/L)	APMW-10	870	n/a	10/21/2023	2.4J	No	65	n/a	n/a	10.77	n/a	n/a	0.0004508	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-1R	870	n/a	10/19/2023	0.5ND	No	65	n/a	n/a	10.77	n/a	n/a	0.0004508	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-2	870	n/a	10/19/2023	690	No	65	n/a	n/a	10.77	n/a	n/a	0.0004508	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**APMW-3**	**870**	**n/a**	**10/19/2023**	**980**	**Yes**	**65**	**n/a**	**n/a**	**10.77**	**n/a**	**n/a**	**0.0004508**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	APMW-4	870	n/a	10/19/2023	190	No	65	n/a	n/a	10.77	n/a	n/a	0.0004508	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-5	870	n/a	10/20/2023	660	No	65	n/a	n/a	10.77	n/a	n/a	0.0004508	NP Inter (normality) 1 of 2

Interwell Prediction Limit Summary - All Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 11/30/2023, 9:58 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	TransformAlpha		Method
Sulfate (mg/L)	APMW-6R	870	n/a	10/20/2023	760	No	65	n/a	n/a	10.77	n/a	n/a	0.0004508	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-7	870	n/a	10/20/2023	93	No	65	n/a	n/a	10.77	n/a	n/a	0.0004508	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-8	870	n/a	10/20/2023	590	No	65	n/a	n/a	10.77	n/a	n/a	0.0004508	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-9	870	n/a	10/20/2023	190	No	65	n/a	n/a	10.77	n/a	n/a	0.0004508	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-10	9200	n/a	10/21/2023	1600	No	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-1R	9200	n/a	10/19/2023	4200	No	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-2	9200	n/a	10/19/2023	3900	No	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**APMW-3**	**9200**	**n/a**	**10/19/2023**	**17000**	**Yes**	**66**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0004376**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	APMW-4	9200	n/a	10/19/2023	3900	No	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**APMW-5**	**9200**	**n/a**	**10/20/2023**	**13000**	**Yes**	**66**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0004376**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	APMW-6R	9200	n/a	10/20/2023	7000	No	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-7	9200	n/a	10/20/2023	8000	No	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-8	9200	n/a	10/20/2023	7100	No	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-9	9200	n/a	10/20/2023	5100	No	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2

Trend Tests Appendix III - Significant Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 11/30/2023, 10:02 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**APMW-2**	**-0.1552**	**-83**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**APMW-6R**	**0.4542**	**65**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**APMW-11 (bg)**	**-1.141**	**-71**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**APMW-15 (bg)**	**-6.076**	**-22**	**-21**	**Yes**	**8**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**APMW-1R**	**17.5**	**69**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**APMW-3**	**-414.4**	**-102**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	**APMW-10**	**0.06554**	**90**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	**APMW-11 (bg)**	**-0.1267**	**-107**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	**APMW-12 (bg)**	**-0.07595**	**-64**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**APMW-3**	**-37.5**	**-81**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Trend Tests Appendix III - All Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 11/30/2023, 10:02 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	APMW-10	0.07609	68	68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-11 (bg)	0	22	63	No	17	47.06	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-12 (bg)	0.008199	45	63	No	17	29.41	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-13 (bg)	0.00943	3	21	No	8	0	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-14 (bg)	-0.007476	-5	-21	No	8	0	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-15 (bg)	0.02608	8	21	No	8	0	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-16 (bg)	-0.009241	-1	-21	No	8	0	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-1R	0.4384	28	63	No	17	0	n/a	n/a	0.01	NP
Boron (mg/L)	**APMW-2**	**-0.1552**	**-83**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	APMW-3	0.08207	33	68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-5	-0.06483	-28	-68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	**APMW-6R**	**0.4542**	**65**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	APMW-8	0	-23	-68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-9	0	-5	-68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**APMW-11 (bg)**	**-1.141**	**-71**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	APMW-12 (bg)	-0.3374	-63	-63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-13 (bg)	-3.813	-14	-21	No	8	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-14 (bg)	0	-4	-21	No	8	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**APMW-15 (bg)**	**-6.076**	**-22**	**-21**	**Yes**	**8**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	APMW-16 (bg)	-9.928	-12	-21	No	8	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**APMW-1R**	**17.5**	**69**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	APMW-2	5.134	24	68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-3	0	-15	-68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-5	-4.838	-43	-68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-6R	-12.41	-34	-63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-8	-3.179	-22	-68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-9	-2.827	-30	-68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	APMW-11 (bg)	-0.1073	-17	-63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	APMW-12 (bg)	0	-33	-63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	APMW-13 (bg)	-119.3	-18	-21	No	8	0	n/a	n/a	0.01	NP
Chloride (mg/L)	APMW-14 (bg)	-36.77	-5	-21	No	8	0	n/a	n/a	0.01	NP
Chloride (mg/L)	APMW-15 (bg)	-79.39	-11	-21	No	8	0	n/a	n/a	0.01	NP
Chloride (mg/L)	APMW-16 (bg)	0	0	21	No	8	0	n/a	n/a	0.01	NP
Chloride (mg/L)	APMW-2	-56.94	-54	-68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**APMW-3**	**-414.4**	**-102**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	APMW-5	-143.6	-57	-68	No	18	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	APMW-10	-0.0112	-16	-74	No	19	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	APMW-11 (bg)	0	3	68	No	18	38.89	n/a	n/a	0.01	NP
Fluoride (mg/L)	APMW-12 (bg)	-0.001578	-12	-68	No	18	11.11	n/a	n/a	0.01	NP
Fluoride (mg/L)	APMW-13 (bg)	-0.02394	-6	-21	No	8	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	APMW-14 (bg)	0	-4	-21	No	8	50	n/a	n/a	0.01	NP
Fluoride (mg/L)	APMW-15 (bg)	-0.01661	-5	-21	No	8	12.5	n/a	n/a	0.01	NP
Fluoride (mg/L)	APMW-16 (bg)	-0.003449	-2	-21	No	8	12.5	n/a	n/a	0.01	NP
Fluoride (mg/L)	APMW-8	-0.05938	-55	-74	No	19	0	n/a	n/a	0.01	NP
pH (SU)	**APMW-10**	**0.06554**	**90**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	**APMW-11 (bg)**	**-0.1267**	**-107**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	**APMW-12 (bg)**	**-0.07595**	**-64**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	APMW-13 (bg)	0.01861	6	21	No	8	0	n/a	n/a	0.01	NP
pH (SU)	APMW-14 (bg)	0.01272	3	21	No	8	0	n/a	n/a	0.01	NP
pH (SU)	APMW-15 (bg)	0	0	21	No	8	0	n/a	n/a	0.01	NP
pH (SU)	APMW-16 (bg)	0.00849	4	21	No	8	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	APMW-11 (bg)	-0.05277	-21	-63	No	17	23.53	n/a	n/a	0.01	NP
Sulfate (mg/L)	APMW-12 (bg)	-0.06395	-44	-63	No	17	17.65	n/a	n/a	0.01	NP
Sulfate (mg/L)	APMW-13 (bg)	4.672	4	18	No	7	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	APMW-14 (bg)	56.16	12	21	No	8	0	n/a	n/a	0.01	NP

Trend Tests Appendix III - All Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 11/30/2023, 10:02 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Sulfate (mg/L)	APMW-15 (bg)	-6.135	-6	-21	No	8	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	APMW-16 (bg)	8.372	6	21	No	8	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**APMW-3**	**-37.5**	**-81**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	APMW-11 (bg)	-6.115	-48	-63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-12 (bg)	-3.487	-30	-63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-13 (bg)	-75.69	-10	-21	No	8	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-14 (bg)	-202.4	-10	-21	No	8	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-15 (bg)	-195.6	-17	-21	No	8	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-16 (bg)	-61.28	-2	-21	No	8	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-3	0	-16	-68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-5	-221.2	-32	-68	No	18	0	n/a	n/a	0.01	NP

Upper Tolerance Limits

Plant Watson Data: Plant Watson AP CCR Printed 12/6/2023, 11:09 AM

Constituent	Upper Lim.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	0.002	68	n/a	n/a	98.53	n/a	n/a	0.03056	NP Inter(NDs)
Arsenic (mg/L)	0.005	68	n/a	n/a	42.65	n/a	n/a	0.03056	NP Inter(normality)
Barium (mg/L)	0.25	68	n/a	n/a	0	n/a	n/a	0.03056	NP Inter(normality)
Beryllium (mg/L)	0.0025	68	n/a	n/a	95.59	n/a	n/a	0.03056	NP Inter(NDs)
Cadmium (mg/L)	0.0025	68	n/a	n/a	98.53	n/a	n/a	0.03056	NP Inter(NDs)
Chromium (mg/L)	0.0044	64	n/a	n/a	84.38	n/a	n/a	0.03752	NP Inter(NDs)
Cobalt (mg/L)	0.0025	68	n/a	n/a	89.71	n/a	n/a	0.03056	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	5.848	68	1.069	0.3677	2.941	None	x^(1/3)	0.05	Inter
Fluoride (mg/L)	0.54	68	n/a	n/a	22.06	n/a	n/a	0.03056	NP Inter(normality)
Lead (mg/L)	0.001	68	n/a	n/a	97.06	n/a	n/a	0.03056	NP Inter(NDs)
Lithium (mg/L)	0.02318	68	0.1012	0.02561	7.353	None	sqrt(x)	0.05	Inter
Mercury (mg/L)	0.0002	64	n/a	n/a	96.88	n/a	n/a	0.03752	NP Inter(NDs)
Molybdenum (mg/L)	0.015	68	n/a	n/a	97.06	n/a	n/a	0.03056	NP Inter(NDs)
Selenium (mg/L)	0.005	68	n/a	n/a	100	n/a	n/a	0.03056	NP Inter(NDs)
Thallium (mg/L)	0.001	68	n/a	n/a	97.06	n/a	n/a	0.03056	NP Inter(NDs)

PLANT WATSON AP CCR GWPS TABLE				
Constituent Name	**MCL**	**CCR Rule-Specified**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.002	0.006
Arsenic, Total (mg/L)	0.01		0.005	0.01
Barium, Total (mg/L)	2		0.25	2
Beryllium, Total (mg/L)	0.004		0.0025	0.004
Cadmium, Total (mg/L)	0.005		0.0025	0.005
Chromium, Total (mg/L)	0.1		0.0044	0.1
Cobalt, Total (mg/L)		0.006	0.0025	0.006
Combined Radium, Total (pCi/L)	5		5.85	5.85
Fluoride, Total (mg/L)	4		0.54	4
Lead, Total (mg/L)		0.015	0.001	0.015
Lithium, Total (mg/L)		0.04	0.023	0.04
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)		0.1	0.015	0.1
Selenium, Total (mg/L)	0.05		0.005	0.05
Thallium, Total (mg/L)	0.002		0.001	0.002

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residuals*

**GWPS = Groundwater Protection Standard*

**Grey cell indicates background limit is higher than CCR Rule Specified or MCL*

Confidence Interval Summary Table - Significant Results

Plant Watson Data: Plant Watson AP CCR Printed 12/6/2023, 11:12 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	**APMW-10**	**0.12**	**0.037**	**0.01**	**Yes**	**18**	**0.08344**	**0.03728**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Arsenic (mg/L)	**APMW-3**	**0.08053**	**0.06064**	**0.01**	**Yes**	**18**	**0.07058**	**0.01643**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**APMW-4**	**0.018**	**0.011**	**0.01**	**Yes**	**18**	**0.01524**	**0.00416**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Arsenic (mg/L)	**APMW-5**	**0.2365**	**0.2112**	**0.01**	**Yes**	**18**	**0.2239**	**0.0209**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**APMW-5D**	**0.01837**	**0.01052**	**0.01**	**Yes**	**8**	**0.01445**	**0.003702**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**APMW-6R**	**0.1988**	**0.14**	**0.01**	**Yes**	**18**	**0.1694**	**0.04854**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**APMW-8**	**0.07262**	**0.03693**	**0.01**	**Yes**	**18**	**0.05478**	**0.0295**	**0**	**None**	**No**	**0.01**	**Param.**
Barium (mg/L)	**APMW-2**	**3.464**	**3.036**	**2**	**Yes**	**18**	**3.25**	**0.3536**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-1R**	**11.3**	**7.377**	**5.85**	**Yes**	**18**	**9.339**	**3.243**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-2**	**20.28**	**18.02**	**5.85**	**Yes**	**18**	**19.15**	**1.871**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-4D**	**9.431**	**7.011**	**5.85**	**Yes**	**8**	**8.221**	**1.142**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-9**	**7.964**	**6.929**	**5.85**	**Yes**	**18**	**7.466**	**0.8807**	**0**	**None**	**x^(1/3)**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-3**	**0.08315**	**0.06978**	**0.04**	**Yes**	**18**	**0.07669**	**0.01143**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-4**	**0.06049**	**0.04843**	**0.04**	**Yes**	**18**	**0.05472**	**0.01032**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-4D**	**0.08998**	**0.04407**	**0.04**	**Yes**	**8**	**0.06703**	**0.02166**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-6R**	**0.05772**	**0.05289**	**0.04**	**Yes**	**18**	**0.05531**	**0.003997**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-8**	**0.095**	**0.071**	**0.04**	**Yes**	**18**	**0.08692**	**0.02351**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Molybdenum (mg/L)	**APMW-4D**	**0.3293**	**0.1749**	**0.1**	**Yes**	**8**	**0.2521**	**0.07281**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	**APMW-6R**	**0.4912**	**0.3866**	**0.1**	**Yes**	**18**	**0.4389**	**0.08643**	**0**	**None**	**No**	**0.01**	**Param.**

Confidence Interval Summary Table - All Results

Plant Watson Data: Plant Watson AP CCR Printed 12/6/2023, 11:12 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	APMW-10D	0.002	0.00053	0.006	No	8	0.001816	0.0005197	87.5	None	No	0.004	NP (NDs)
Antimony (mg/L)	APMW-2	0.002	0.0014	0.006	No	18	0.001967	0.0001414	94.44	None	No	0.01	NP (NDs)
Antimony (mg/L)	APMW-3	0.002	0.00059	0.006	No	18	0.001922	0.0003323	94.44	None	No	0.01	NP (NDs)
Antimony (mg/L)	APMW-6D	0.002	0.00075	0.006	No	8	0.001844	0.0004419	87.5	None	No	0.004	NP (NDs)
Antimony (mg/L)	APMW-8	0.002	0.00066	0.006	No	18	0.001926	0.0003158	94.44	None	No	0.01	NP (NDs)
Arsenic (mg/L)	**APMW-10**	**0.12**	**0.037**	**0.01**	**Yes**	**18**	**0.08344**	**0.03728**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Arsenic (mg/L)	APMW-10D	0.01607	0.00456	0.01	No	8	0.01031	0.005427	12.5	None	No	0.01	Param.
Arsenic (mg/L)	APMW-1R	0.001597	0.0006457	0.01	No	18	0.001986	0.001583	16.67	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	APMW-2	0.005	0.0012	0.01	No	18	0.00407	0.001797	77.78	Kaplan-Meier	No	0.01	NP (NDs)
Arsenic (mg/L)	APMW-2D	0.00348	0.00278	0.01	No	8	0.00313	0.00033	0	None	No	0.01	Param.
Arsenic (mg/L)	**APMW-3**	**0.08053**	**0.06064**	**0.01**	**Yes**	**18**	**0.07058**	**0.01643**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	APMW-3D	0.003748	0.002502	0.01	No	8	0.003125	0.0005874	0	None	No	0.01	Param.
Arsenic (mg/L)	**APMW-4**	**0.018**	**0.011**	**0.01**	**Yes**	**18**	**0.01524**	**0.00416**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Arsenic (mg/L)	APMW-4D	0.006272	0.002911	0.01	No	8	0.004591	0.001585	0	None	No	0.01	Param.
Arsenic (mg/L)	**APMW-5**	**0.2365**	**0.2112**	**0.01**	**Yes**	**18**	**0.2239**	**0.0209**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**APMW-5D**	**0.01837**	**0.01052**	**0.01**	**Yes**	**8**	**0.01445**	**0.003702**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	APMW-6D	0.005403	0.003627	0.01	No	8	0.004515	0.0008377	0	None	No	0.01	Param.
Arsenic (mg/L)	**APMW-6R**	**0.1988**	**0.14**	**0.01**	**Yes**	**18**	**0.1694**	**0.04854**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	APMW-7	0.0015	0.00048	0.01	No	18	0.00115	0.0008506	0	None	No	0.01	NP (normality)
Arsenic (mg/L)	**APMW-8**	**0.07262**	**0.03693**	**0.01**	**Yes**	**18**	**0.05478**	**0.0295**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	APMW-8D	0.004187	0.001736	0.01	No	8	0.002962	0.001156	0	None	No	0.01	Param.
Arsenic (mg/L)	APMW-9	0.001404	0.001174	0.01	No	18	0.001289	0.0001906	0	None	No	0.01	Param.
Barium (mg/L)	APMW-10	0.3152	0.2481	2	No	18	0.2817	0.05544	0	None	No	0.01	Param.
Barium (mg/L)	APMW-10D	0.03335	0.01884	2	No	8	0.02572	0.009067	12.5	None	x^2	0.01	Param.
Barium (mg/L)	APMW-1R	1.6	0.93	2	No	18	1.231	0.3374	0	None	No	0.01	NP (normality)
Barium (mg/L)	**APMW-2**	**3.464**	**3.036**	**2**	**Yes**	**18**	**3.25**	**0.3536**	**0**	**None**	**No**	**0.01**	**Param.**
Barium (mg/L)	APMW-2D	0.06385	0.03676	2	No	8	0.0501	0.01306	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	APMW-3	0.11	0.097	2	No	18	0.1004	0.009678	0	None	No	0.01	NP (normality)
Barium (mg/L)	APMW-3D	0.1871	0.1442	2	No	8	0.1656	0.02026	0	None	No	0.01	Param.
Barium (mg/L)	APMW-4	0.5	0.21	2	No	18	0.3439	0.1415	0	None	No	0.01	NP (normality)
Barium (mg/L)	APMW-4D	0.2484	0.07784	2	No	8	0.1598	0.09501	0	None	ln(x)	0.01	Param.
Barium (mg/L)	APMW-5	0.11	0.093	2	No	18	0.1023	0.008029	0	None	No	0.01	NP (normality)
Barium (mg/L)	APMW-5D	0.06478	0.04495	2	No	8	0.05486	0.009355	0	None	No	0.01	Param.
Barium (mg/L)	APMW-6D	0.1454	0.07559	2	No	8	0.1105	0.03294	0	None	No	0.01	Param.
Barium (mg/L)	APMW-6R	0.06226	0.05063	2	No	18	0.05644	0.009605	0	None	No	0.01	Param.
Barium (mg/L)	APMW-7	0.8366	0.639	2	No	18	0.7378	0.1633	0	None	No	0.01	Param.
Barium (mg/L)	APMW-8	0.24	0.2	2	No	18	0.2267	0.0297	0	None	No	0.01	NP (normality)
Barium (mg/L)	APMW-8D	0.1624	0.0886	2	No	8	0.1255	0.03482	0	None	No	0.01	Param.
Barium (mg/L)	APMW-9	0.4813	0.432	2	No	18	0.4567	0.04073	0	None	No	0.01	Param.
Beryllium (mg/L)	APMW-10	0.0025	0.00076	0.004	No	18	0.002288	0.0006186	88.89	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-10D	0.0025	0.00057	0.004	No	8	0.002259	0.0006824	87.5	None	No	0.004	NP (NDs)
Beryllium (mg/L)	APMW-1R	0.0025	0.00019	0.004	No	18	0.002372	0.0005445	94.44	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-2	0.0025	0.00061	0.004	No	18	0.002018	0.0009318	77.78	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-3	0.0025	0.00018	0.004	No	18	0.002371	0.0005468	94.44	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-6R	0.0025	0.00036	0.004	No	18	0.002381	0.0005044	94.44	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-7	0.0025	0.00025	0.004	No	18	0.002375	0.0005303	94.44	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-8	0.0025	0.00038	0.004	No	18	0.00226	0.0006986	88.89	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-9	0.0025	0.00049	0.004	No	18	0.002139	0.0008322	83.33	None	No	0.01	NP (NDs)
Cadmium (mg/L)	APMW-10	0.0025	0.00025	0.005	No	18	0.002375	0.0005303	94.44	None	No	0.01	NP (NDs)
Cadmium (mg/L)	APMW-10D	0.0025	0.00025	0.005	No	8	0.002219	0.0007955	87.5	None	No	0.004	NP (NDs)
Cadmium (mg/L)	APMW-1R	0.0025	0.00045	0.005	No	18	0.002386	0.0004832	94.44	None	No	0.01	NP (NDs)
Cadmium (mg/L)	APMW-6R	0.0025	0.00026	0.005	No	18	0.002244	0.0007441	88.89	None	No	0.01	NP (NDs)
Chromium (mg/L)	APMW-1R	0.0032	0.002	0.1	No	16	0.002075	0.0003	93.75	None	No	0.01	NP (NDs)
Chromium (mg/L)	APMW-2D	0.002	0.00157	0.1	No	8	0.001946	0.000152	87.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	APMW-3	0.002	0.0014	0.1	No	16	0.001963	0.00015	93.75	None	No	0.01	NP (NDs)

Confidence Interval Summary Table - All Results

Plant Watson Data: Plant Watson AP CCR Printed 12/6/2023, 11:12 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	APMW-4	0.002156	0.001514	0.1	No	16	0.002	0.0004227	37.5	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	APMW-5	0.0024	0.0013	0.1	No	16	0.001813	0.0003631	62.5	Kaplan-Meier	No	0.01	NP (NDs)
Chromium (mg/L)	APMW-5D	0.00378	0.0019	0.1	No	8	0.00221	0.0006353	75	Kaplan-Meier	No	0.004	NP (NDs)
Chromium (mg/L)	APMW-7	0.0022	0.0014	0.1	No	16	0.0018	0.0003077	56.25	Kaplan-Meier	No	0.01	NP (NDs)
Chromium (mg/L)	APMW-8	0.0032	0.0014	0.1	No	16	0.002038	0.0003442	87.5	Kaplan-Meier	No	0.01	NP (NDs)
Cobalt (mg/L)	APMW-10	0.0025	0.00033	0.006	No	18	0.002113	0.0008919	83.33	None	No	0.01	NP (NDs)
Cobalt (mg/L)	APMW-10D	0.0025	0.00028	0.006	No	8	0.002222	0.0007849	87.5	None	No	0.004	NP (NDs)
Cobalt (mg/L)	APMW-1R	0.0025	0.0004	0.006	No	18	0.001554	0.001091	55.56	None	No	0.01	NP (NDs)
Cobalt (mg/L)	APMW-3	0.00306	0.002407	0.006	No	18	0.002733	0.0005402	0	None	No	0.01	Param.
Cobalt (mg/L)	APMW-3D	0.0025	0.00021	0.006	No	8	0.002214	0.0008096	87.5	None	No	0.004	NP (NDs)
Cobalt (mg/L)	APMW-4	0.003687	0.003046	0.006	No	18	0.003367	0.0005303	0	None	No	0.01	Param.
Cobalt (mg/L)	APMW-4D	0.00647	0.002882	0.006	No	8	0.004676	0.001693	0	None	No	0.01	Param.
Cobalt (mg/L)	APMW-5	0.0025	0.000079	0.006	No	18	0.002231	0.0007836	88.89	None	No	0.01	NP (NDs)
Cobalt (mg/L)	APMW-5D	0.0011	0.00027	0.006	No	8	0.0004788	0.0002861	0	None	No	0.004	NP (normality)
Cobalt (mg/L)	APMW-6D	0.0025	0.00021	0.006	No	8	0.002214	0.0008096	87.5	None	No	0.004	NP (NDs)
Cobalt (mg/L)	APMW-6R	0.003401	0.002166	0.006	No	18	0.002783	0.001021	0	None	No	0.01	Param.
Cobalt (mg/L)	APMW-7	0.0025	0.00025	0.006	No	18	0.001391	0.001142	50	None	No	0.01	NP (normality)
Cobalt (mg/L)	APMW-8D	0.0025	0.00121	0.006	No	8	0.002339	0.0004561	87.5	None	No	0.004	NP (NDs)
Cobalt (mg/L)	APMW-9	0.0025	0.000089	0.006	No	18	0.002232	0.0007805	88.89	None	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	APMW-10	3.475	2.689	5.85	No	18	3.082	0.6493	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-10D	0.8177	0.1128	5.85	No	8	0.4653	0.3325	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**APMW-1R**	**11.3**	**7.377**	**5.85**	**Yes**	**18**	**9.339**	**3.243**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-2**	**20.28**	**18.02**	**5.85**	**Yes**	**18**	**19.15**	**1.871**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	APMW-2D	0.8892	0.001588	5.85	No	8	0.3606	0.562	0	None	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-3	6.861	5.549	5.85	No	18	6.134	1.175	0	None	x^2	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-3D	1.196	0.508	5.85	No	8	0.844	0.3559	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-4	2.492	1.83	5.85	No	18	2.161	0.5466	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**APMW-4D**	**9.431**	**7.011**	**5.85**	**Yes**	**8**	**8.221**	**1.142**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	APMW-5	4.499	3.658	5.85	No	18	4.078	0.6949	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-5D	0.5435	0.05299	5.85	No	8	0.2983	0.2314	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-6D	0.9986	0.2339	5.85	No	8	0.6163	0.3607	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-6R	3.276	2.767	5.85	No	18	2.91	0.7442	0	None	x^3	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-7	7.374	5.606	5.85	No	18	6.49	1.462	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-8	4.526	3.492	5.85	No	18	4.009	0.8545	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-8D	1.1	0.1604	5.85	No	8	0.6301	0.4432	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**APMW-9**	**7.964**	**6.929**	**5.85**	**Yes**	**18**	**7.466**	**0.8807**	**0**	**None**	**x^(1/3)**	**0.01**	**Param.**
Fluoride (mg/L)	APMW-10	0.7698	0.6197	4	No	19	0.6947	0.1282	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-10D	0.2317	0.1533	4	No	8	0.1925	0.03694	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-1R	0.21	0.13	4	No	18	0.1809	0.04401	50	None	No	0.01	NP (normality)
Fluoride (mg/L)	APMW-2	0.2	0.068	4	No	18	0.1366	0.0661	33.33	None	No	0.01	NP (normality)
Fluoride (mg/L)	APMW-2D	0.2177	0.1448	4	No	8	0.1813	0.03441	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-3	0.4446	0.2335	4	No	19	0.3905	0.2163	26.32	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	APMW-3D	0.1744	0.1231	4	No	8	0.1488	0.02416	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-4	0.5227	0.4319	4	No	19	0.4274	0.1501	10.53	None	x^5	0.01	Param.
Fluoride (mg/L)	APMW-4D	0.2	0.074	4	No	8	0.1558	0.05377	50	None	No	0.004	NP (normality)
Fluoride (mg/L)	APMW-5	0.2	0.09	4	No	18	0.1458	0.05699	50	None	No	0.01	NP (normality)
Fluoride (mg/L)	APMW-5D	0.2205	0.1012	4	No	8	0.1609	0.05629	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-6D	0.2205	0.1245	4	No	8	0.1725	0.04528	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-6R	0.27	0.11	4	No	18	0.5561	1.459	66.67	None	No	0.01	NP (NDs)
Fluoride (mg/L)	APMW-7	0.26	0.11	4	No	19	0.2905	0.4048	15.79	None	No	0.01	NP (normality)
Fluoride (mg/L)	APMW-8	1.1	0.7	4	No	19	1.677	3.473	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	APMW-8D	0.188	0.07954	4	No	8	0.1338	0.05115	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-9	0.2	0.06	4	No	18	0.166	0.1762	33.33	None	No	0.01	NP (normality)
Lead (mg/L)	APMW-10	0.0011	0.0006	0.015	No	18	0.0008917	0.0002787	77.78	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-10D	0.0009679	0.0003746	0.015	No	8	0.0006713	0.0002799	12.5	None	No	0.01	Param.

Confidence Interval Summary Table - All Results

Plant Watson Data: Plant Watson AP CCR Printed 12/6/2023, 11:12 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lead (mg/L)	APMW-2	0.001	0.00022	0.015	No	18	0.0009567	0.0001838	94.44	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-2D	0.0004792	0.0001672	0.015	No	8	0.0005756	0.0003747	37.5	Kaplan-Meier	sqrt(x)	0.01	Param.
Lead (mg/L)	APMW-3	0.001	0.00048	0.015	No	18	0.0009394	0.0001765	88.89	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	APMW-4	0.001	0.00062	0.015	No	18	0.0009789	0.00008957	94.44	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	APMW-4D	0.001	0.00029	0.015	No	8	0.0009113	0.000251	87.5	Kaplan-Meier	No	0.004	NP (NDs)
Lead (mg/L)	APMW-5	0.0011	0.00041	0.015	No	18	0.0009372	0.0002024	83.33	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	APMW-5D	0.001001	0.0001623	0.015	No	8	0.0005888	0.0006405	12.5	None	ln(x)	0.01	Param.
Lead (mg/L)	APMW-6R	0.001	0.00032	0.015	No	18	0.0009622	0.0001603	94.44	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-7	0.0019	0.001	0.015	No	18	0.00105	0.0002121	94.44	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-8	0.0013	0.00075	0.015	No	18	0.001036	0.0001696	83.33	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-9	0.001	0.00039	0.015	No	18	0.0009178	0.0002434	88.89	None	No	0.01	NP (NDs)
Lithium (mg/L)	APMW-10	0.01698	0.0105	0.04	No	18	0.01448	0.006909	0	None	ln(x)	0.01	Param.
Lithium (mg/L)	APMW-10D	0.01915	0.006876	0.04	No	8	0.01301	0.005789	12.5	None	No	0.01	Param.
Lithium (mg/L)	APMW-1R	0.01648	0.01215	0.04	No	18	0.01461	0.004132	5.556	None	ln(x)	0.01	Param.
Lithium (mg/L)	APMW-2	0.03126	0.02463	0.04	No	18	0.02794	0.005482	0	None	No	0.01	Param.
Lithium (mg/L)	APMW-2D	0.01119	0.008883	0.04	No	8	0.01004	0.001089	0	None	No	0.01	Param.
Lithium (mg/L)	**APMW-3**	**0.08315**	**0.06978**	**0.04**	**Yes**	**18**	**0.07669**	**0.01143**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Lithium (mg/L)	APMW-3D	0.01698	0.007418	0.04	No	8	0.0122	0.004509	0	None	No	0.01	Param.
Lithium (mg/L)	**APMW-4**	**0.06049**	**0.04843**	**0.04**	**Yes**	**18**	**0.05472**	**0.01032**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-4D**	**0.08998**	**0.04407**	**0.04**	**Yes**	**8**	**0.06703**	**0.02166**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	APMW-5	0.049	0.04	0.04	No	18	0.04733	0.009738	0	None	No	0.01	NP (normality)
Lithium (mg/L)	APMW-5D	0.00914	0.006938	0.04	No	8	0.008039	0.001039	0	None	No	0.01	Param.
Lithium (mg/L)	APMW-6D	0.009579	0.00574	0.04	No	8	0.007633	0.001895	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	**APMW-6R**	**0.05772**	**0.05289**	**0.04**	**Yes**	**18**	**0.05531**	**0.003997**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	APMW-7	0.004279	0.002714	0.04	No	17	0.0041	0.001501	17.65	Kaplan-Meier	No	0.01	Param.
Lithium (mg/L)	**APMW-8**	**0.095**	**0.071**	**0.04**	**Yes**	**18**	**0.08692**	**0.02351**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Lithium (mg/L)	APMW-8D	0.005537	0.002363	0.04	No	8	0.004387	0.001526	25	Kaplan-Meier	No	0.01	Param.
Lithium (mg/L)	APMW-9	0.005064	0.003254	0.04	No	17	0.004629	0.001534	17.65	Kaplan-Meier	sqrt(x)	0.01	Param.
Mercury (mg/L)	APMW-10	0.0002	0.000085	0.002	No	16	0.0001928	0.00002875	93.75	None	No	0.01	NP (NDs)
Mercury (mg/L)	APMW-1R	0.0002	0.00015	0.002	No	16	0.0001969	0.0000125	93.75	None	No	0.01	NP (NDs)
Mercury (mg/L)	APMW-5	0.0002	0.000093	0.002	No	16	0.0001933	0.00002675	93.75	None	No	0.01	NP (NDs)
Mercury (mg/L)	APMW-7	0.0002	0.00009	0.002	No	16	0.0001931	0.0000275	93.75	None	No	0.01	NP (NDs)
Mercury (mg/L)	APMW-8	0.0002	0.000077	0.002	No	16	0.0001923	0.00003075	93.75	None	No	0.01	NP (NDs)
Mercury (mg/L)	APMW-9	0.00035	0.0002	0.002	No	16	0.0002094	0.0000375	93.75	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	APMW-10	0.11	0.037	0.1	No	18	0.07633	0.03105	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	APMW-10D	0.01285	0.003408	0.1	No	8	0.00813	0.004455	12.5	None	No	0.01	Param.
Molybdenum (mg/L)	APMW-2	0.015	0.00079	0.1	No	18	0.01421	0.003349	94.44	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	APMW-2D	0.00558	0.0011	0.1	No	8	0.002173	0.001645	0	None	No	0.004	NP (normality)
Molybdenum (mg/L)	APMW-3	0.07052	0.06131	0.1	No	18	0.06592	0.007609	0	None	No	0.01	Param.
Molybdenum (mg/L)	APMW-3D	0.015	0.0007	0.1	No	8	0.004565	0.006459	25	None	No	0.004	NP (normality)
Molybdenum (mg/L)	APMW-4	0.009331	0.006269	0.1	No	18	0.0078	0.00253	0	None	No	0.01	Param.
Molybdenum (mg/L)	**APMW-4D**	**0.3293**	**0.1749**	**0.1**	**Yes**	**8**	**0.2521**	**0.07281**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	APMW-5	0.1089	0.06691	0.1	No	18	0.08989	0.03714	0	None	sqrt(x)	0.01	Param.
Molybdenum (mg/L)	APMW-5D	0.0075	0.00078	0.1	No	8	0.00183	0.002302	12.5	None	No	0.004	NP (normality)
Molybdenum (mg/L)	APMW-6D	0.003505	0.0007886	0.1	No	8	0.002186	0.002206	12.5	None	ln(x)	0.01	Param.
Molybdenum (mg/L)	**APMW-6R**	**0.4912**	**0.3866**	**0.1**	**Yes**	**18**	**0.4389**	**0.08643**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	APMW-7	0.015	0.0062	0.1	No	18	0.01094	0.005457	61.11	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	APMW-8	0.1408	0.08045	0.1	No	18	0.1106	0.04985	0	None	No	0.01	Param.
Molybdenum (mg/L)	APMW-8D	0.015	0.00067	0.1	No	8	0.006241	0.007255	37.5	None	No	0.004	NP (normality)
Molybdenum (mg/L)	APMW-9	0.015	0.00093	0.1	No	18	0.01343	0.004555	88.89	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-10	0.005	0.00061	0.05	No	18	0.004239	0.001752	83.33	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-2	0.005	0.00072	0.05	No	18	0.004261	0.001701	83.33	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-3	0.005	0.0011	0.05	No	18	0.003365	0.001897	55.56	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-3D	0.005	0.0012	0.05	No	8	0.004525	0.001344	87.5	None	No	0.004	NP (NDs)
Selenium (mg/L)	APMW-4	0.005	0.00068	0.05	No	18	0.004255	0.001715	83.33	None	No	0.01	NP (NDs)

Confidence Interval Summary Table - All Results

Plant Watson Data: Plant Watson AP CCR Printed 12/6/2023, 11:12 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Selenium (mg/L)	APMW-5	0.005	0.0016	0.05	No	18	0.004084	0.001775	77.78	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-7	0.005	0.00046	0.05	No	18	0.004234	0.001763	83.33	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-8	0.005	0.00076	0.05	No	18	0.004015	0.001897	77.78	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-9	0.005	0.0012	0.05	No	18	0.004038	0.00186	77.78	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-10	0.001	0.00068	0.002	No	18	0.0009117	0.000225	83.33	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-10D	0.001	0.00057	0.002	No	8	0.0009463	0.000152	87.5	None	No	0.004	NP (NDs)
Thallium (mg/L)	APMW-1R	0.001	0.00019	0.002	No	18	0.000955	0.0001909	94.44	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-2	0.001	0.00084	0.002	No	18	0.0009911	0.00003771	94.44	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-3	0.001	0.00012	0.002	No	18	0.0009511	0.0002074	94.44	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-8	0.0013	0.00025	0.002	No	18	0.0009289	0.0002712	83.33	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-9	0.0016	0.00024	0.002	No	18	0.0009911	0.0002347	88.89	None	No	0.01	NP (NDs)

Trend Tests Appendix IV - Significant Results

Plant Watson Data: Plant Watson AP CCR Printed 12/6/2023, 11:15 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Arsenic (mg/L)	**APMW-10**	**-0.02023**	**-120**	**-53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-3**	**-0.006083**	**-55**	**-53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-4**	**-0.001901**	**-93**	**-53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-5D**	**0.002848**	**24**	**17**	**Yes**	**8**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-6R**	**0.02967**	**124**	**53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-8**	**-0.01647**	**-143**	**-53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-11 (bg)**	**-0.01355**	**-118**	**-53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-12 (bg)**	**-0.004195**	**-77**	**-53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-2**	**0.1284**	**80**	**53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	**APMW-1R**	**2.028**	**115**	**53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	**APMW-9**	**0.3954**	**83**	**53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**APMW-12 (bg)**	**0.001129**	**91**	**53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**APMW-3**	**-0.002992**	**-62**	**-53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**APMW-4**	**-0.003122**	**-113**	**-53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**APMW-8**	**-0.005078**	**-100**	**-53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**APMW-6R**	**0.04663**	**97**	**53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**

Trend Tests Appendix IV - All Results

Plant Watson Data: Plant Watson AP CCR Printed 12/6/2023, 11:15 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Arsenic (mg/L)	**APMW-10**	**-0.02023**	**-120**	**-53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	APMW-11 (bg)	0	24	53	No	18	83.33	n/a	n/a	0.05	NP
Arsenic (mg/L)	APMW-12 (bg)	-0.0001862	-46	-53	No	18	16.67	n/a	n/a	0.05	NP
Arsenic (mg/L)	APMW-13 (bg)	0	5	17	No	8	87.5	n/a	n/a	0.05	NP
Arsenic (mg/L)	APMW-14 (bg)	0	-4	-17	No	8	50	n/a	n/a	0.05	NP
Arsenic (mg/L)	APMW-15 (bg)	-0.0001461	-10	-17	No	8	0	n/a	n/a	0.05	NP
Arsenic (mg/L)	APMW-16 (bg)	-0.0003657	-4	-17	No	8	0	n/a	n/a	0.05	NP
Arsenic (mg/L)	**APMW-3**	**-0.006083**	**-55**	**-53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-4**	**-0.001901**	**-93**	**-53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	APMW-5	-0.002622	-27	-53	No	18	0	n/a	n/a	0.05	NP
Arsenic (mg/L)	**APMW-5D**	**0.002848**	**24**	**17**	**Yes**	**8**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-6R**	**0.02967**	**124**	**53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-8**	**-0.01647**	**-143**	**-53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-11 (bg)**	**-0.01355**	**-118**	**-53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-12 (bg)**	**-0.004195**	**-77**	**-53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	APMW-13 (bg)	-0.003401	-3	-17	No	8	0	n/a	n/a	0.05	NP
Barium (mg/L)	APMW-14 (bg)	-0.008782	-4	-17	No	8	0	n/a	n/a	0.05	NP
Barium (mg/L)	APMW-15 (bg)	-0.00332	-17	-17	No	8	0	n/a	n/a	0.05	NP
Barium (mg/L)	APMW-16 (bg)	0.001152	5	17	No	8	0	n/a	n/a	0.05	NP
Barium (mg/L)	**APMW-2**	**0.1284**	**80**	**53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	APMW-11 (bg)	-0.04751	-33	-53	No	18	5.556	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-12 (bg)	-0.009444	-7	-53	No	18	5.556	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-13 (bg)	0.3091	16	17	No	8	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-14 (bg)	0.5054	12	17	No	8	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-15 (bg)	0.0351	1	17	No	8	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-16 (bg)	-0.2607	-6	-17	No	8	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	**APMW-1R**	**2.028**	**115**	**53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	APMW-2	0	-1	-53	No	18	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-4D	0.1816	6	17	No	8	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	**APMW-9**	**0.3954**	**83**	**53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	APMW-11 (bg)	0.0004206	38	53	No	18	0	n/a	n/a	0.05	NP
Lithium (mg/L)	**APMW-12 (bg)**	**0.001129**	**91**	**53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	APMW-13 (bg)	-0.0007241	-2	-17	No	8	0	n/a	n/a	0.05	NP
Lithium (mg/L)	APMW-14 (bg)	0	-8	-17	No	8	62.5	n/a	n/a	0.05	NP
Lithium (mg/L)	APMW-15 (bg)	0.0002231	2	17	No	8	0	n/a	n/a	0.05	NP
Lithium (mg/L)	APMW-16 (bg)	-0.0001458	-2	-17	No	8	0	n/a	n/a	0.05	NP
Lithium (mg/L)	**APMW-3**	**-0.002992**	**-62**	**-53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**APMW-4**	**-0.003122**	**-113**	**-53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	APMW-4D	0.007228	12	17	No	8	0	n/a	n/a	0.05	NP
Lithium (mg/L)	APMW-6R	0.0002274	10	53	No	18	0	n/a	n/a	0.05	NP
Lithium (mg/L)	**APMW-8**	**-0.005078**	**-100**	**-53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	APMW-11 (bg)	0	0	53	No	18	100	n/a	n/a	0.05	NP
Molybdenum (mg/L)	APMW-12 (bg)	0	0	53	No	18	100	n/a	n/a	0.05	NP
Molybdenum (mg/L)	APMW-13 (bg)	0	0	17	No	8	100	n/a	n/a	0.05	NP
Molybdenum (mg/L)	APMW-14 (bg)	0	0	17	No	8	100	n/a	n/a	0.05	NP
Molybdenum (mg/L)	APMW-15 (bg)	0	5	17	No	8	87.5	n/a	n/a	0.05	NP
Molybdenum (mg/L)	APMW-16 (bg)	0	5	17	No	8	87.5	n/a	n/a	0.05	NP
Molybdenum (mg/L)	APMW-4D	-0.03974	-17	-17	No	8	0	n/a	n/a	0.05	NP
Molybdenum (mg/L)	**APMW-6R**	**0.04663**	**97**	**53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**

FIGURE A.

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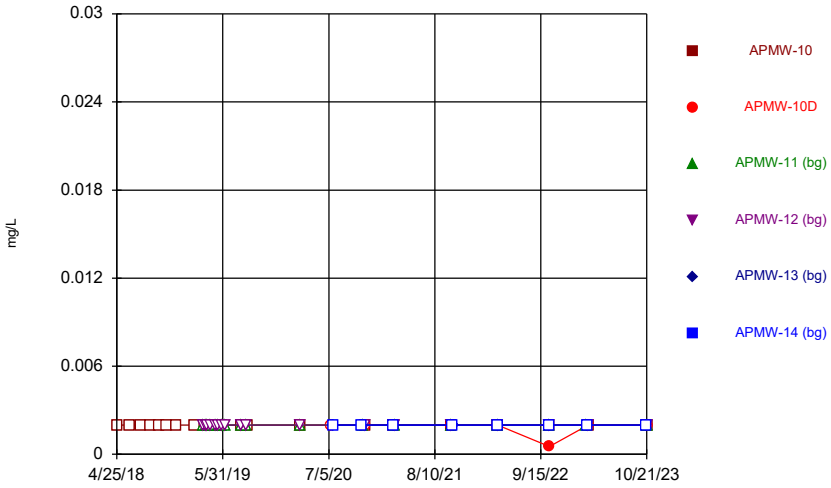
Hollow symbols indicate censored values.

Time Series



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Plant Watson Data: Plant Watson AP CCR

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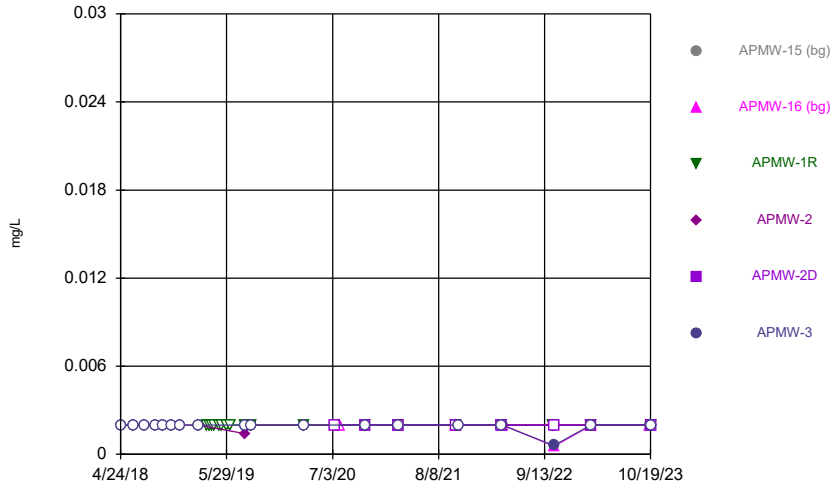

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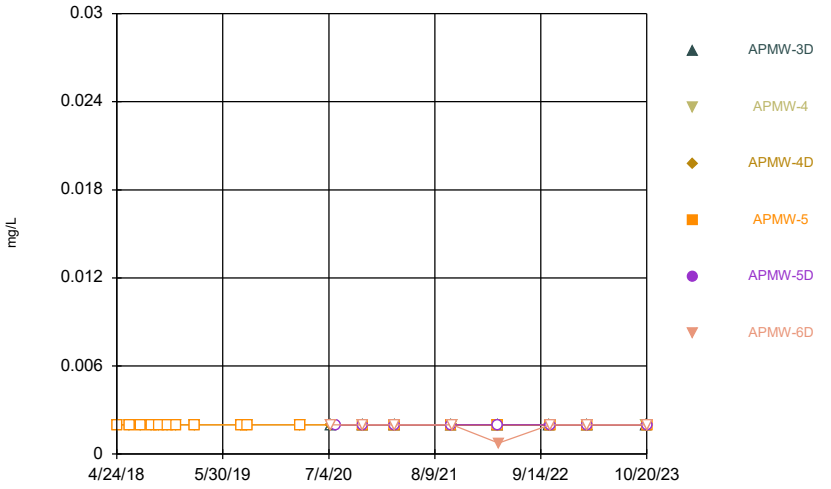

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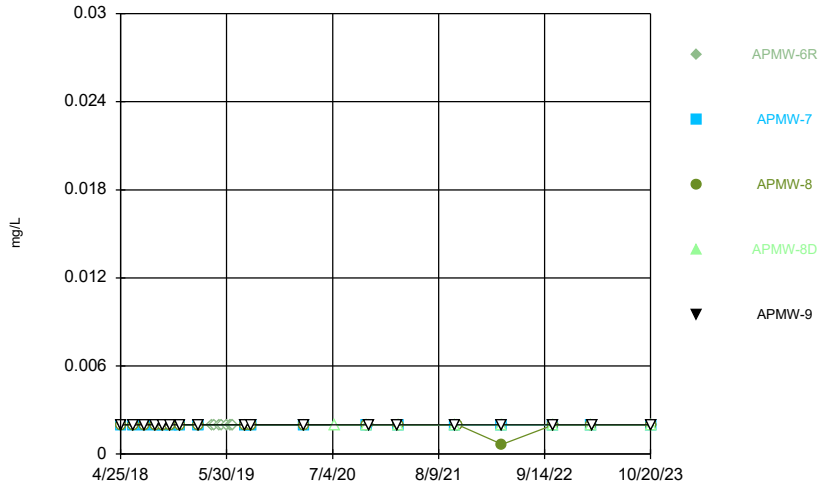

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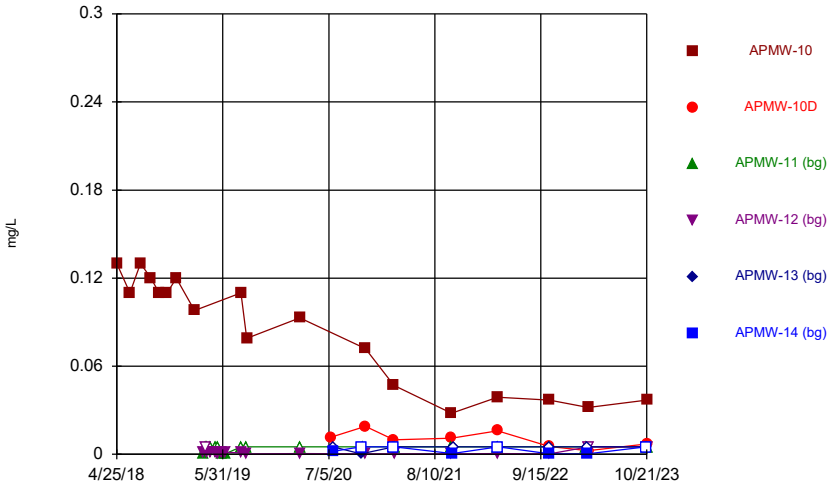

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Hollow symbols indicate censored values.

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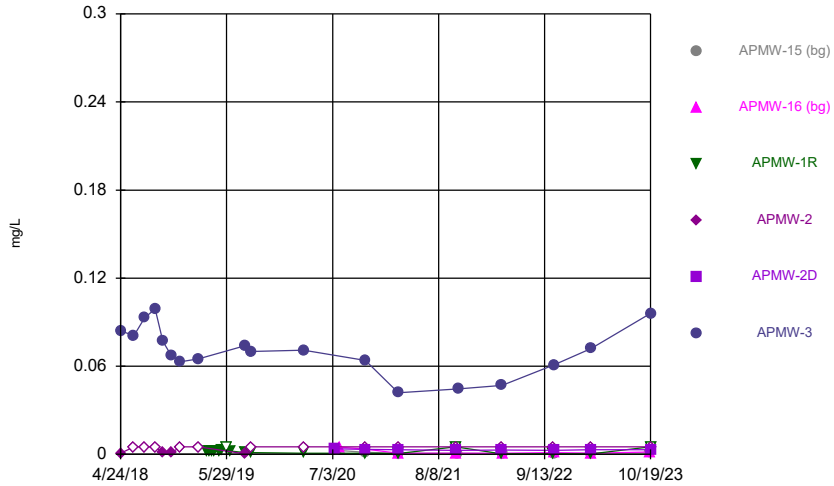

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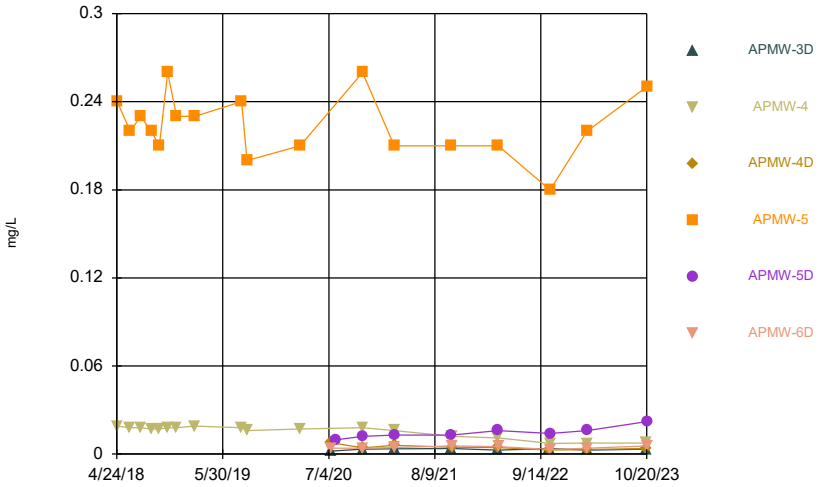

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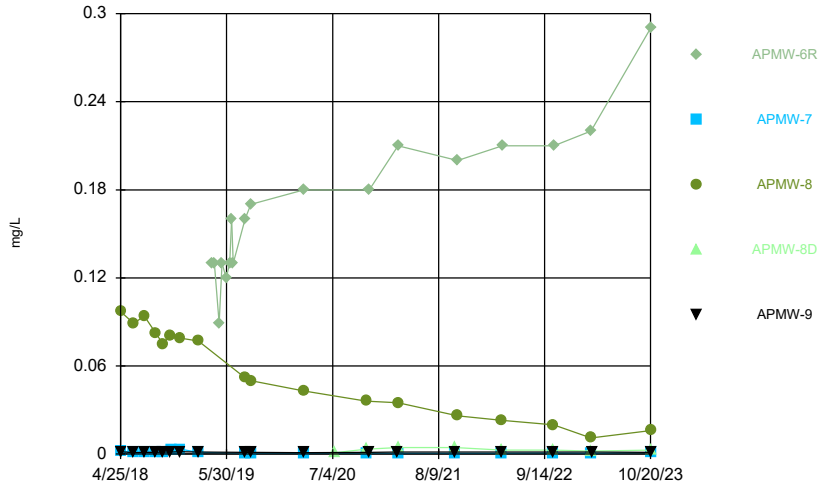
Time Series



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Plant Watson Data: Plant Watson AP CCR

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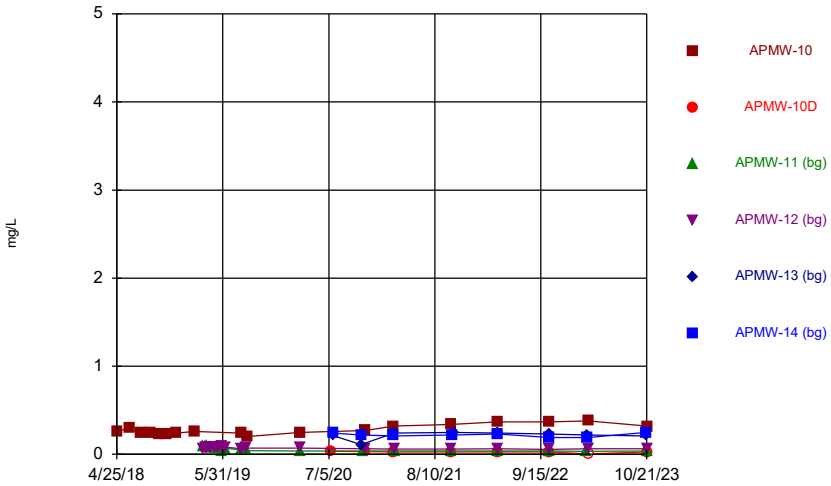

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Plant Watson Data: Plant Watson AP CCR

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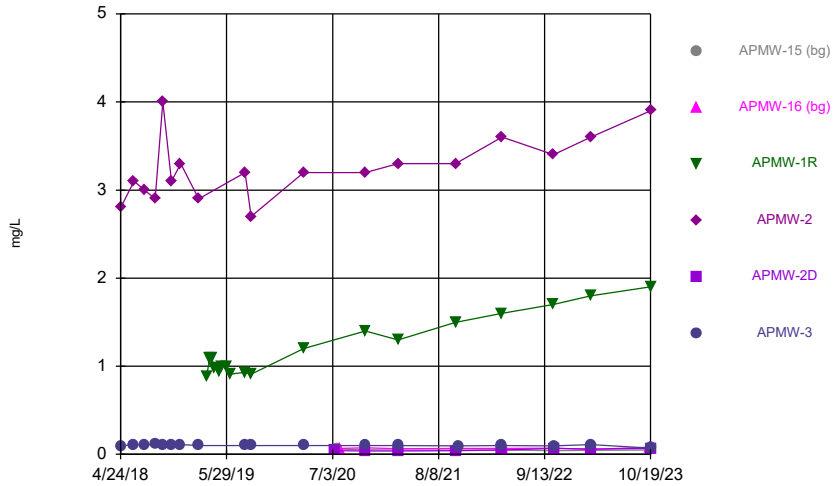
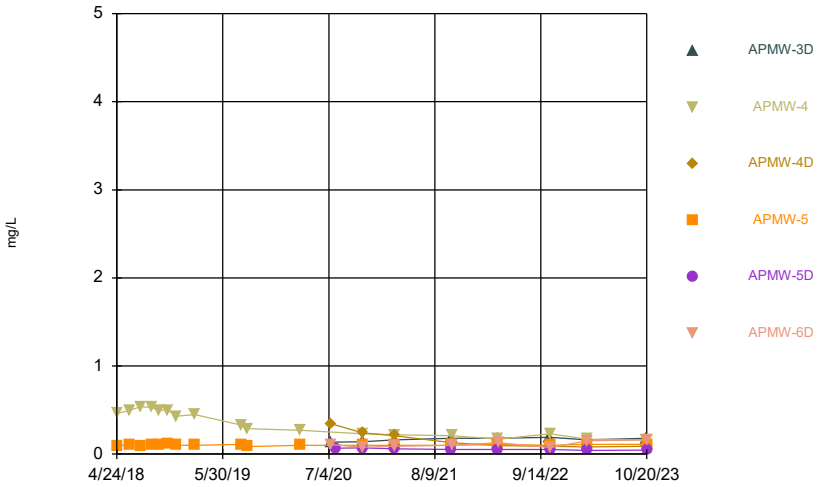
Time Series



Constituent: Barium Analysis Run 12/6/2023 9:24 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG

Time Series



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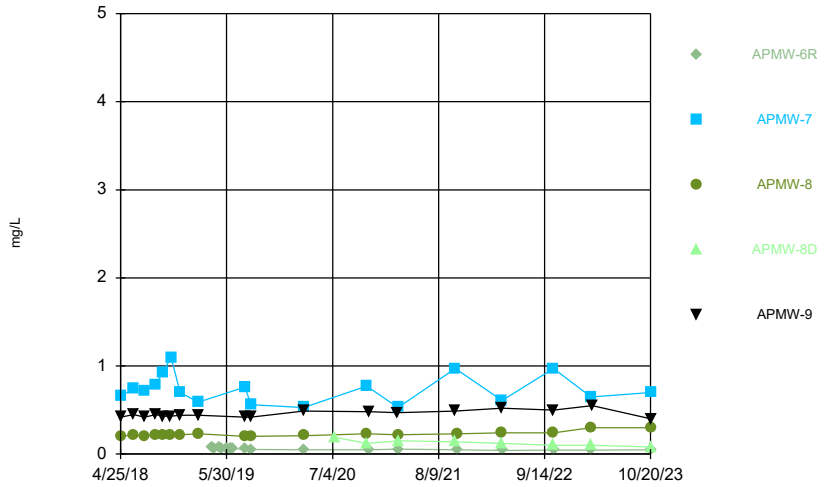
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG

Time Series



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Plant Watson Data: Plant Watson AP CCR

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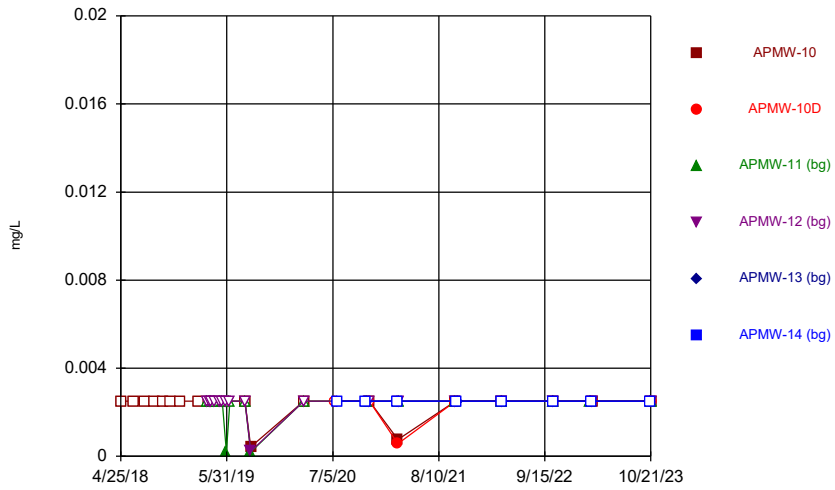
Hollow symbols indicate censored values.

Time Series



Constituent: Beryllium Analysis Run 12/6/2023 9:24 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

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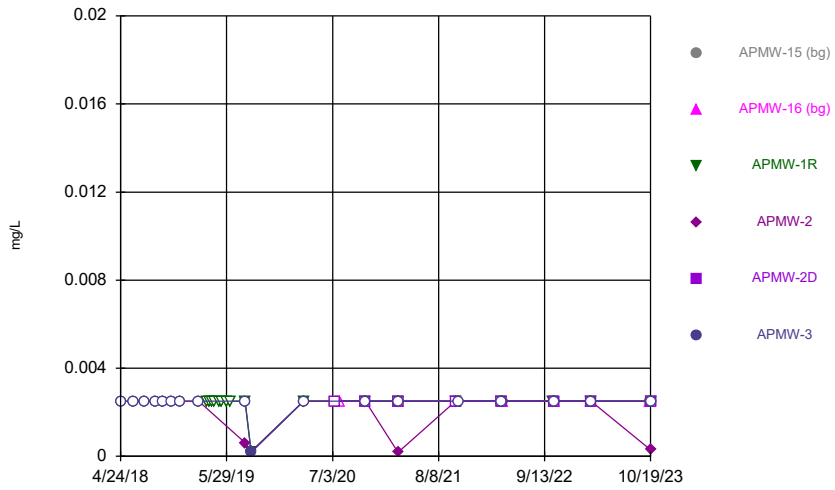
Hollow symbols indicate censored values.

Time Series



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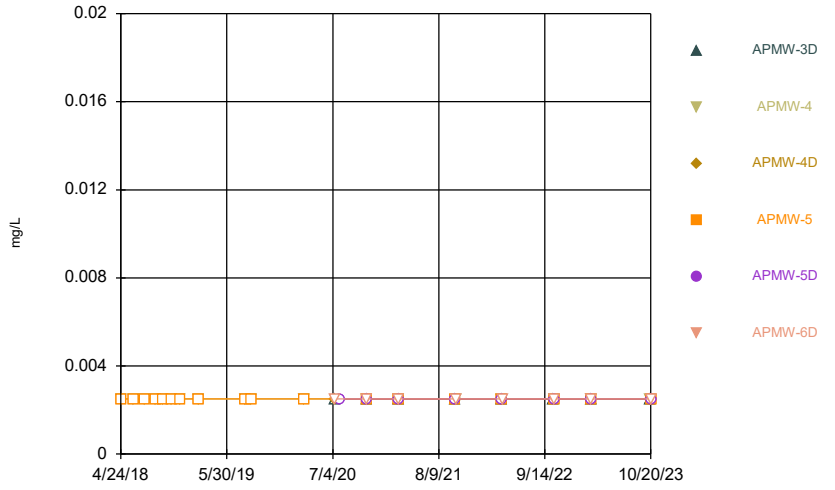
Hollow symbols indicate censored values.

Time Series



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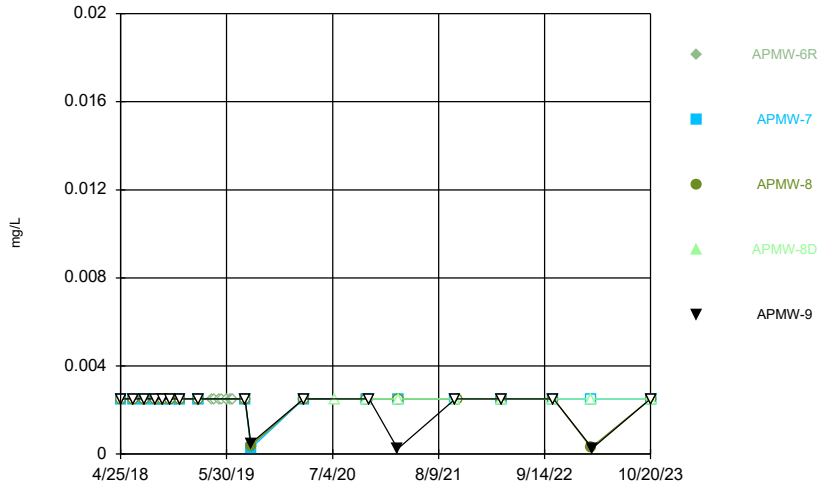
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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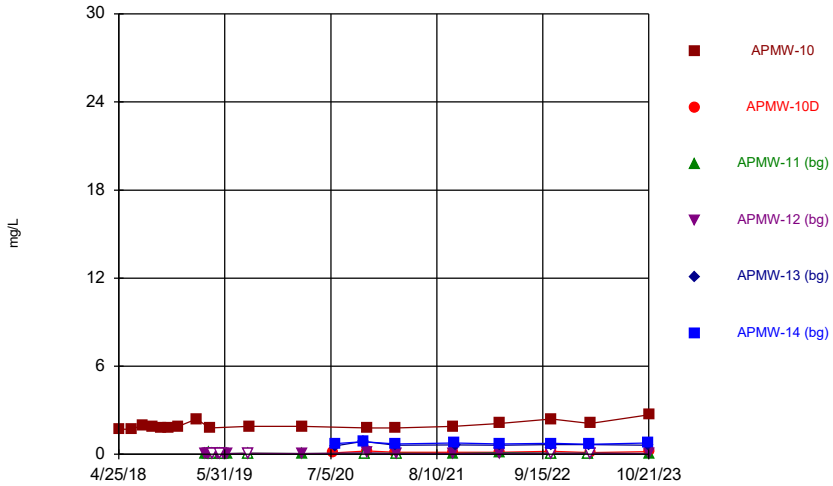
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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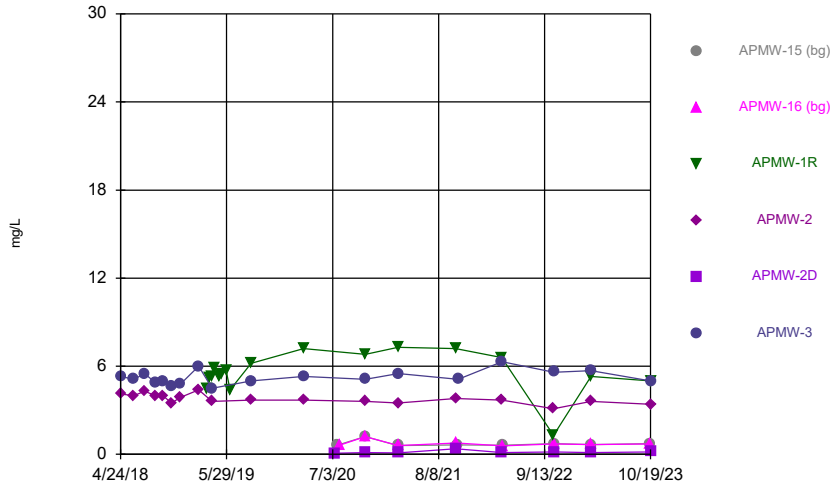
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG

Time Series



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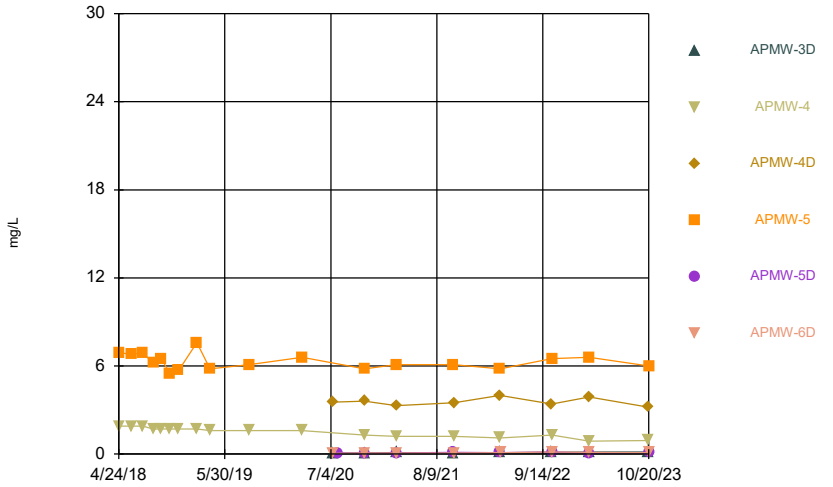
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG

Time Series



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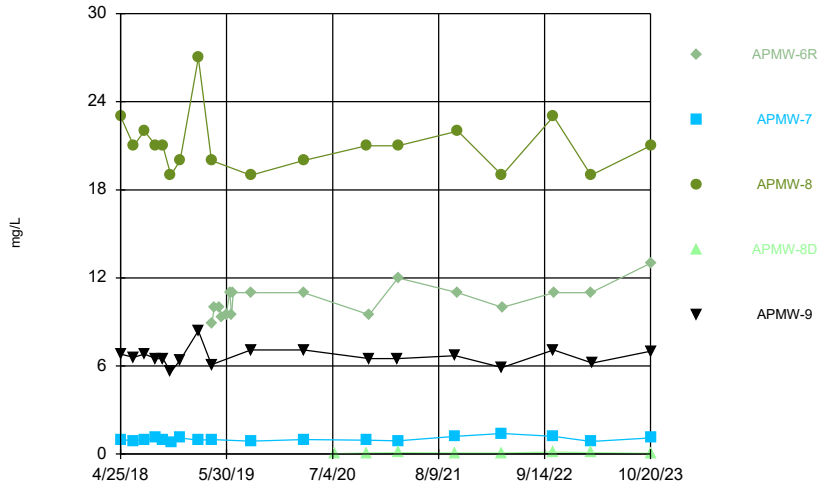
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG

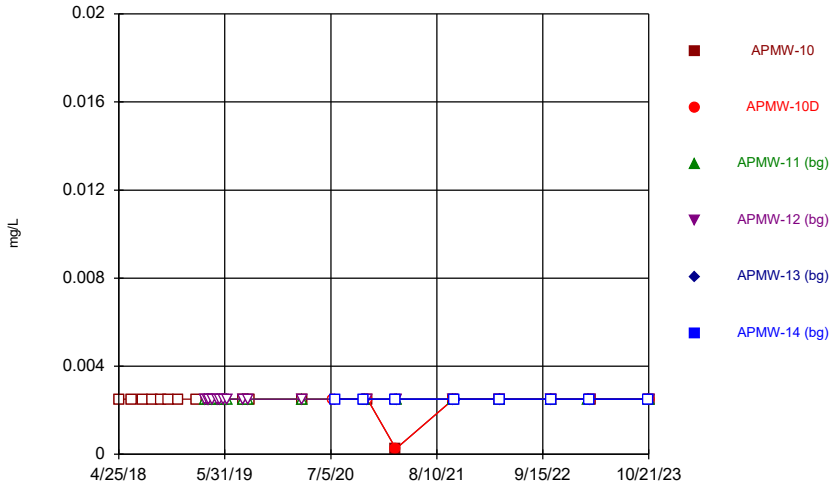
Time Series



Constituent: Boron Analysis Run 12/6/2023 9:24 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

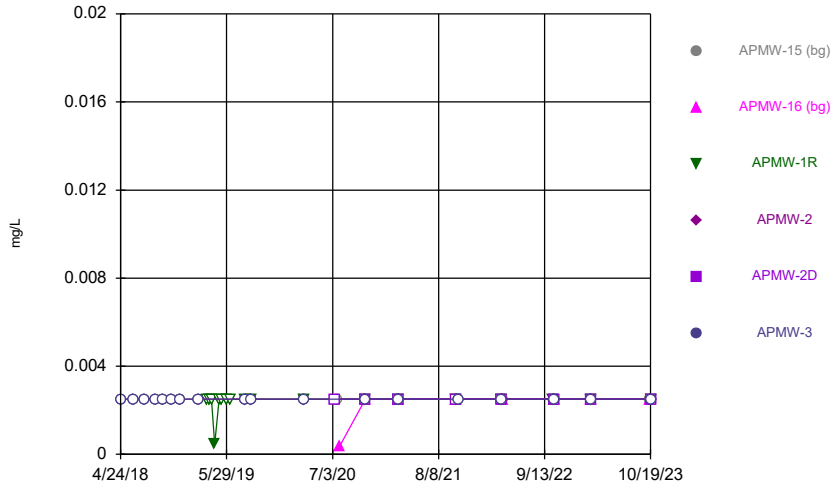
Time Series



Constituent: Cadmium Analysis Run 12/6/2023 9:24 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

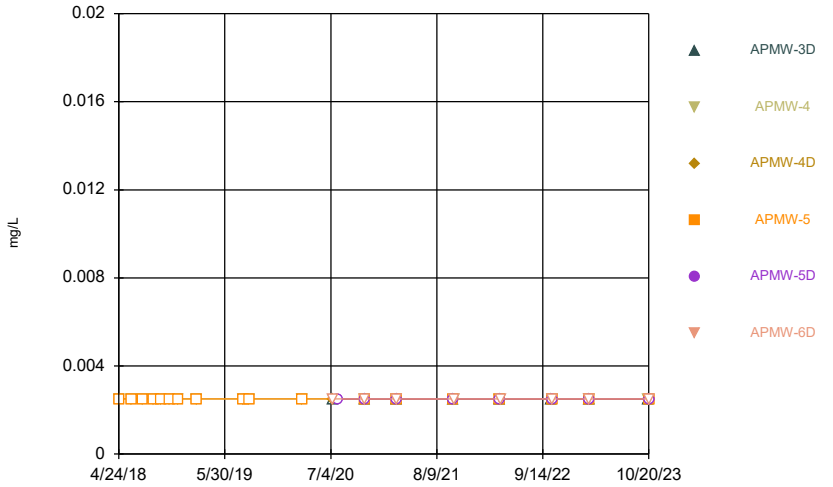
Time Series



Constituent: Cadmium Analysis Run 12/6/2023 9:24 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

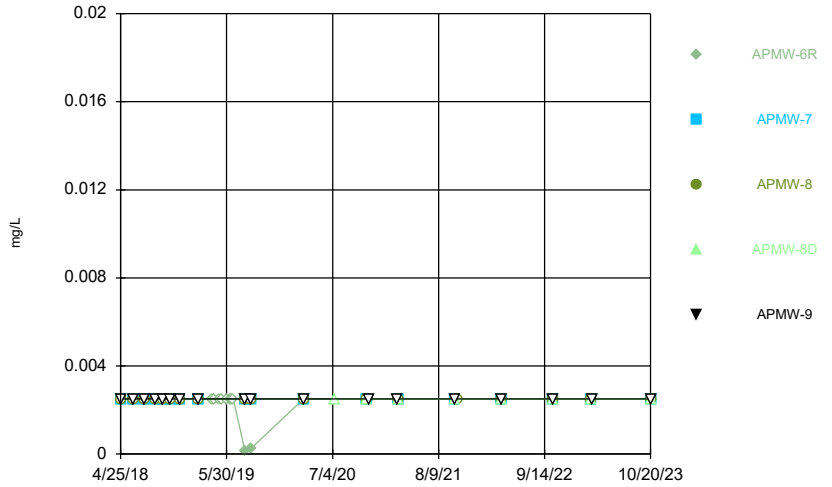
Time Series



Constituent: Cadmium Analysis Run 12/6/2023 9:24 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

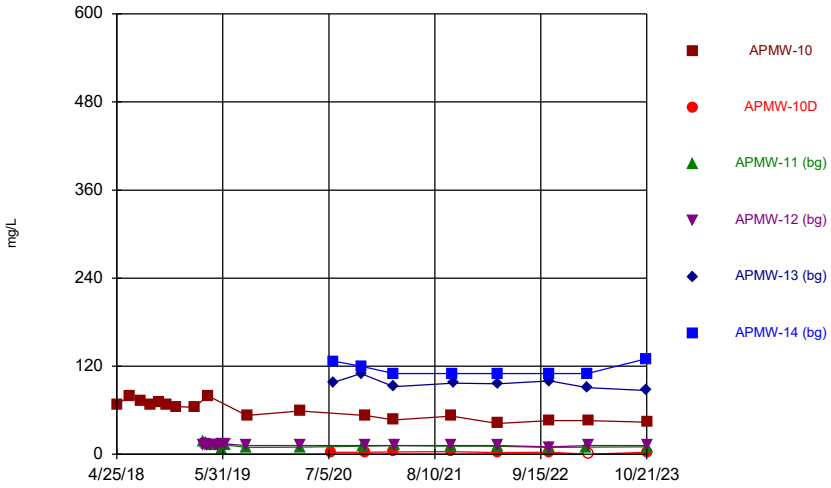
Time Series



Constituent: Cadmium Analysis Run 12/6/2023 9:25 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

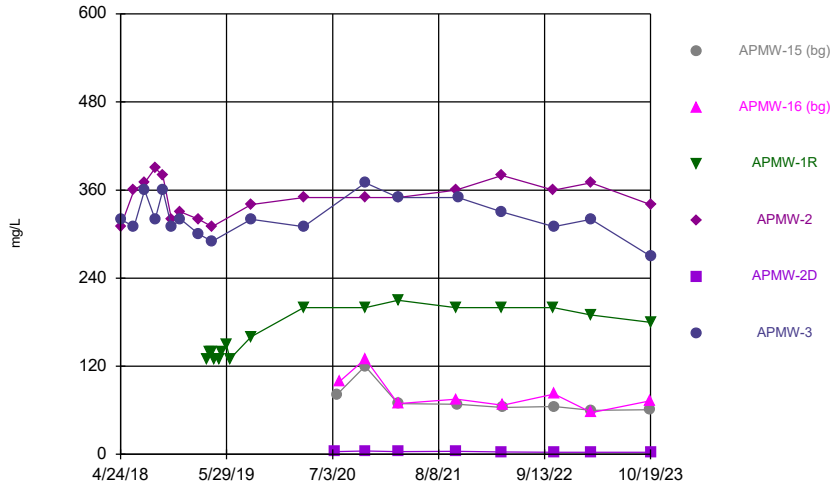
Time Series



Constituent: Calcium Analysis Run 12/6/2023 9:25 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG

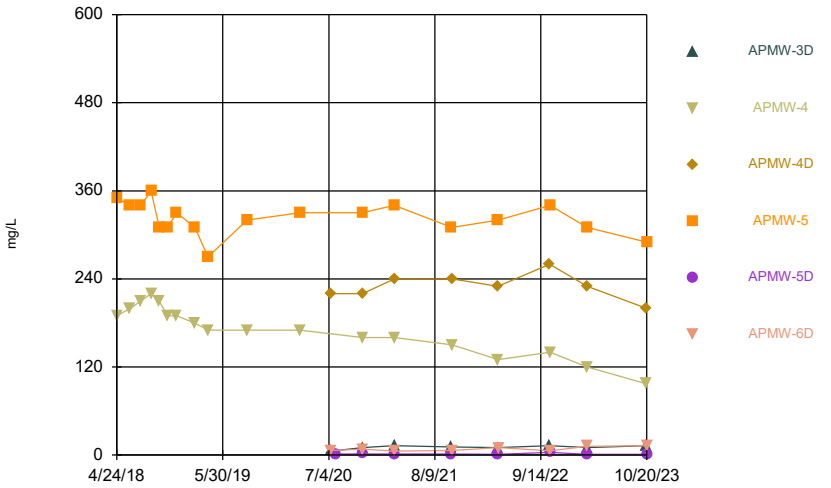
Time Series



Constituent: Calcium Analysis Run 12/6/2023 9:25 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG

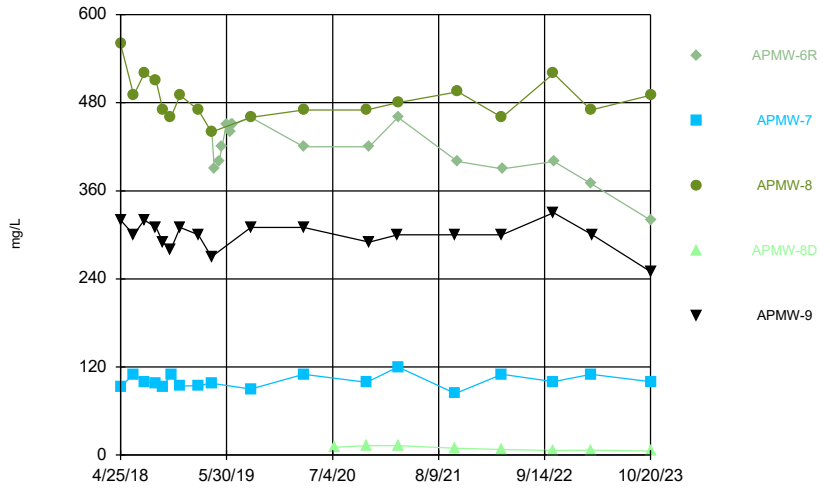
Time Series



Constituent: Calcium Analysis Run 12/6/2023 9:25 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG

Time Series



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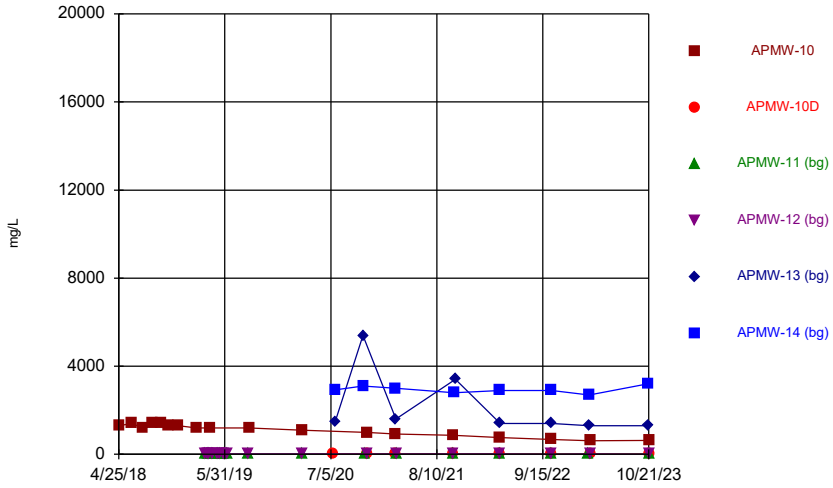
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG

Time Series



Constituent: Chloride Analysis Run 12/6/2023 9:25 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

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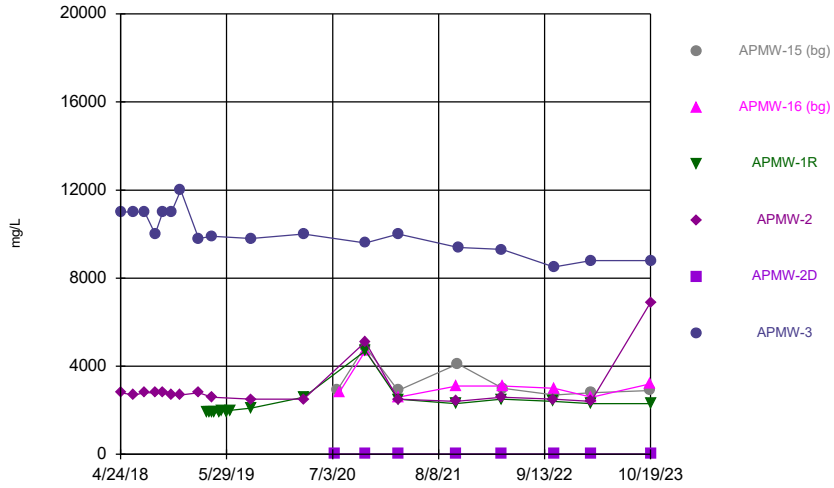
Time Series



Constituent: Chloride Analysis Run 12/6/2023 9:25 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

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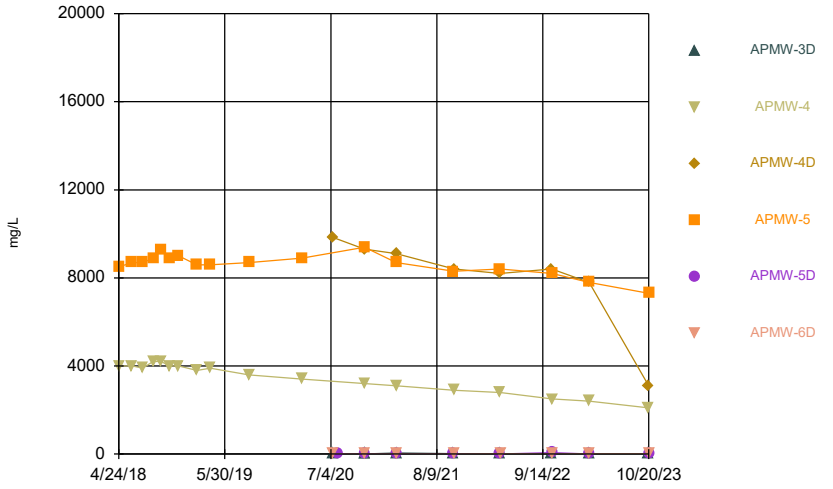
Hollow symbols indicate censored values.

Time Series



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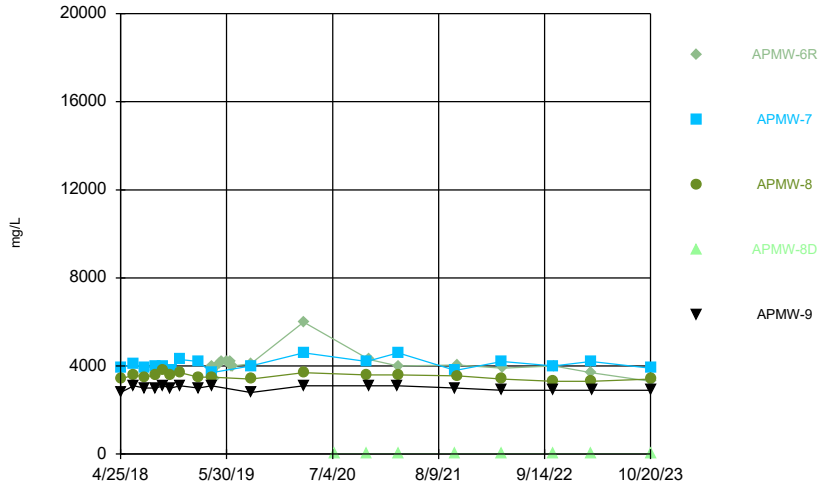
Time Series



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Plant Watson Data: Plant Watson AP CCR

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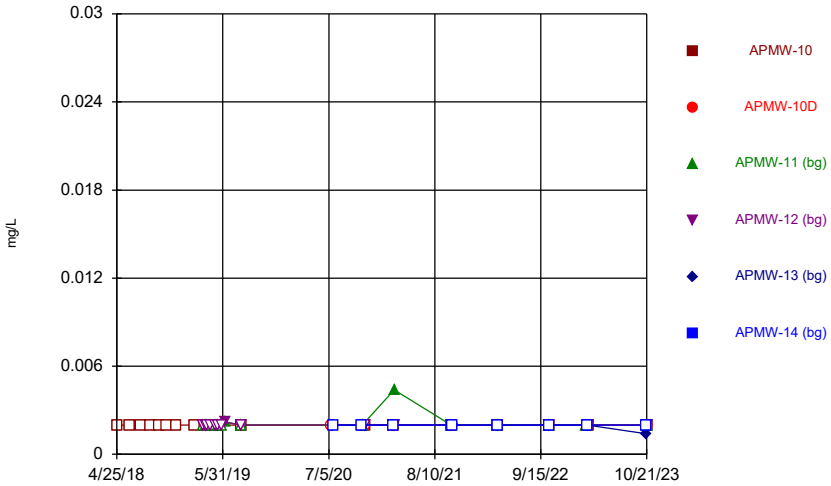
Hollow symbols indicate censored values.

Time Series



Constituent: Chromium Analysis Run 12/6/2023 9:25 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

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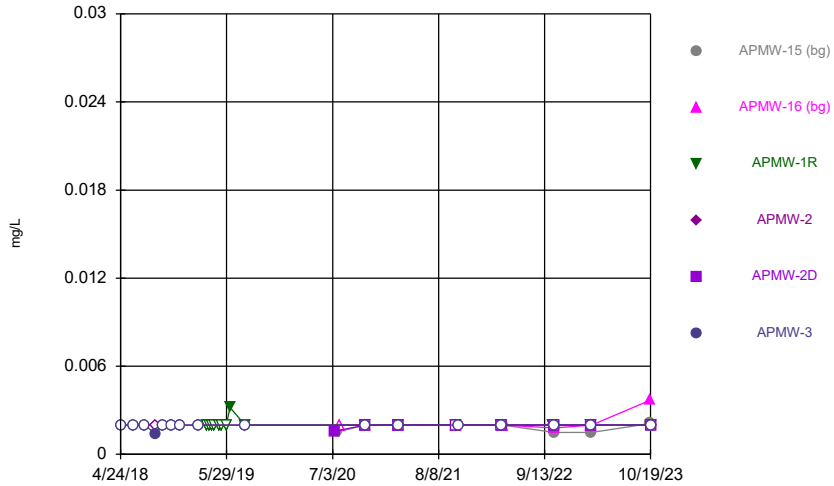
Hollow symbols indicate censored values.

Time Series



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Plant Watson Data: Plant Watson AP CCR

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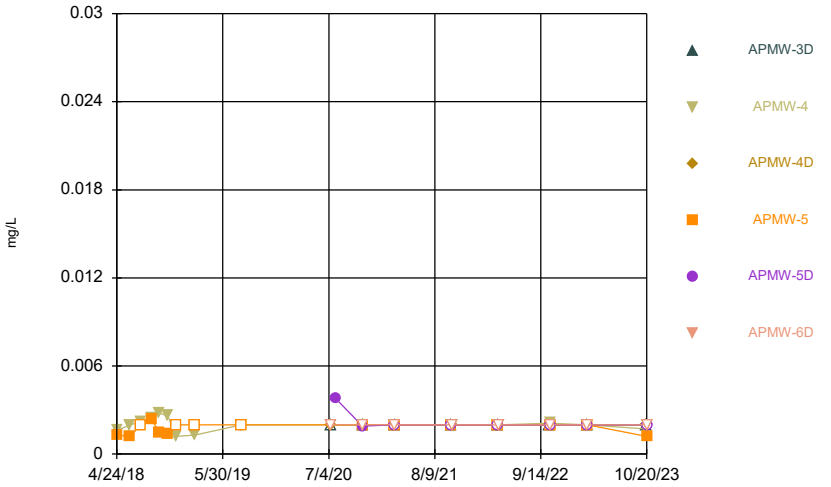
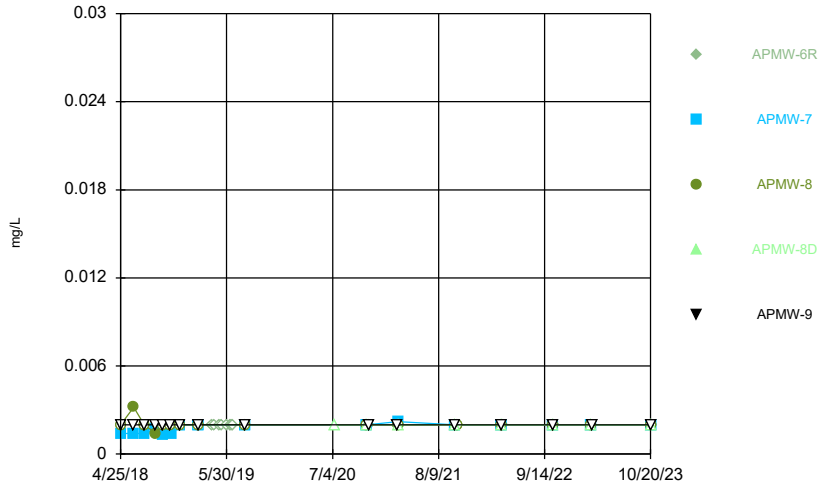
Time Series



Constituent: Chromium Analysis Run 12/6/2023 9:25 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

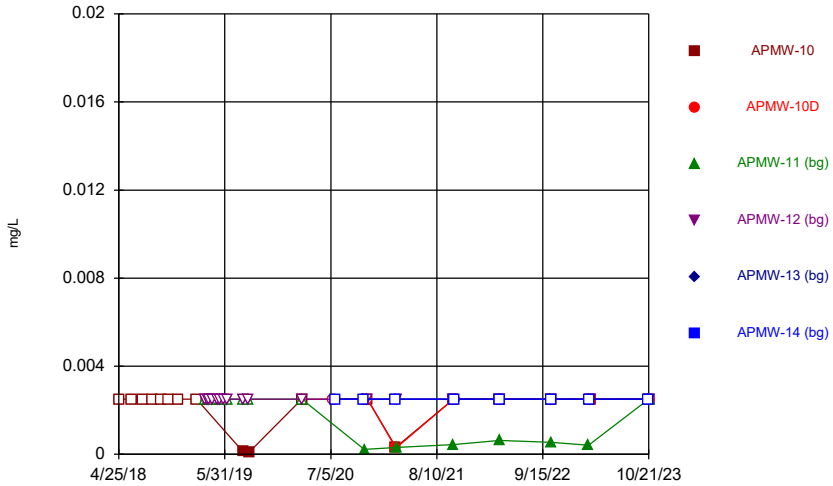
Time Series



Constituent: Chromium Analysis Run 12/6/2023 9:25 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Cobalt Analysis Run 12/6/2023 9:25 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

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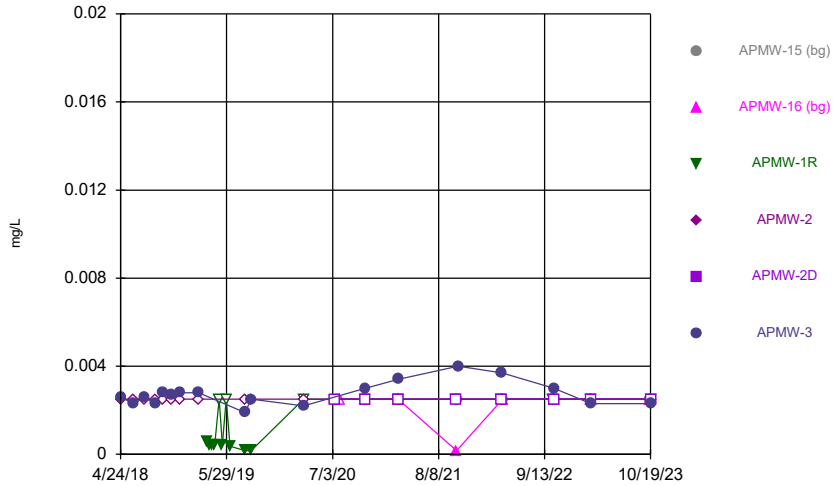
Hollow symbols indicate censored values.

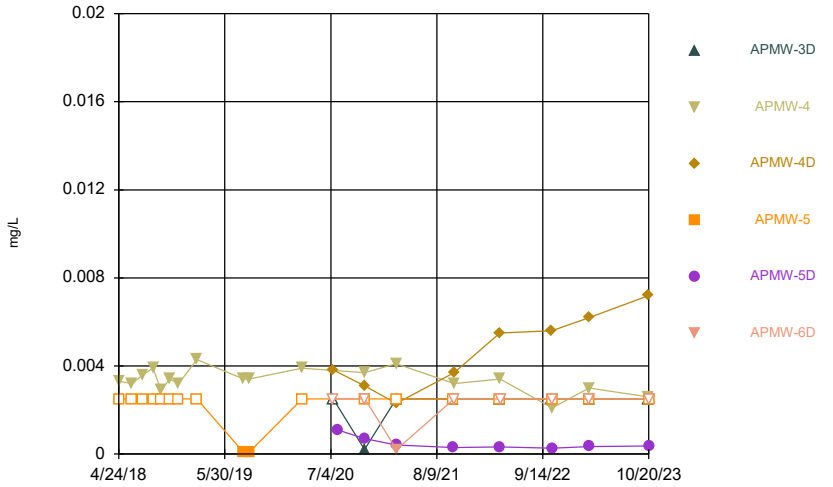
Time Series



Constituent: Cobalt Analysis Run 12/6/2023 9:25 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

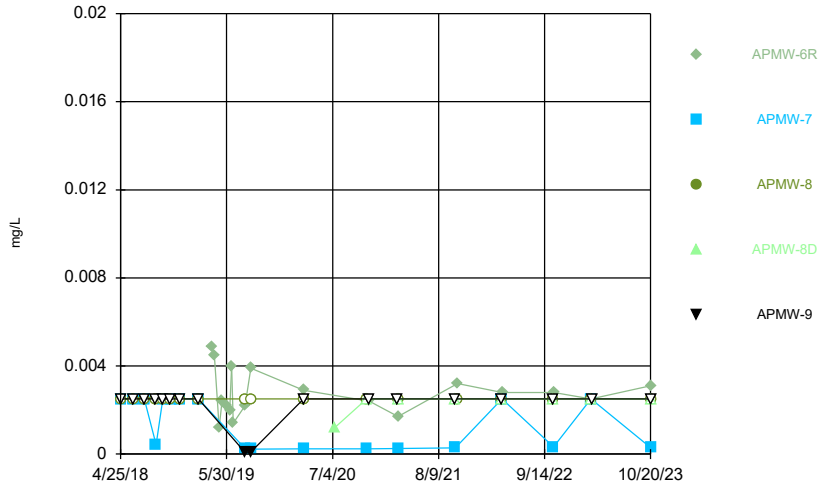
Time Series



Constituent: Cobalt Analysis Run 12/6/2023 9:25 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

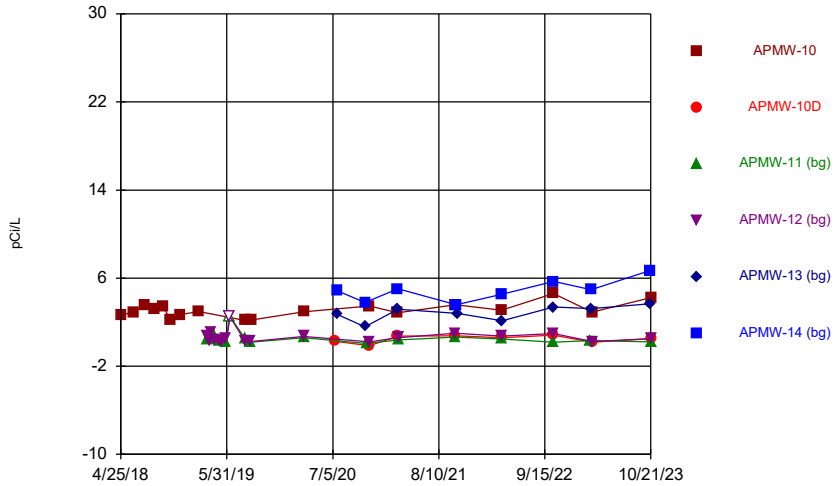
Time Series



Constituent: Cobalt Analysis Run 12/6/2023 9:25 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

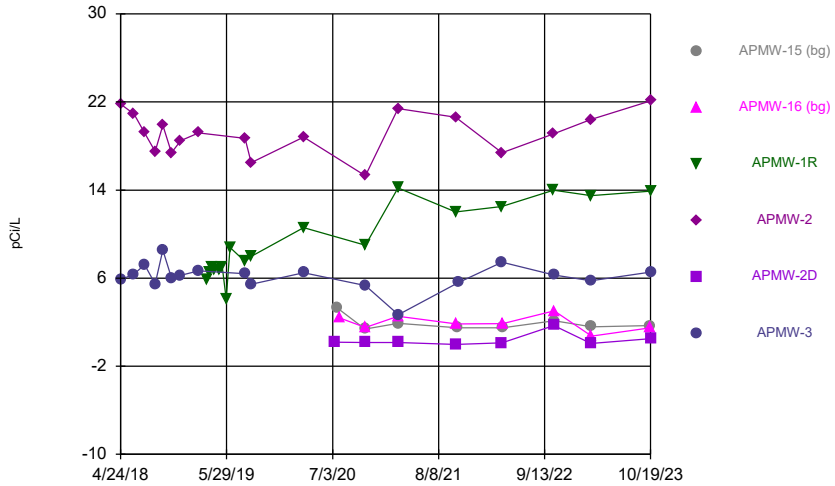
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 12/6/2023 9:25 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG

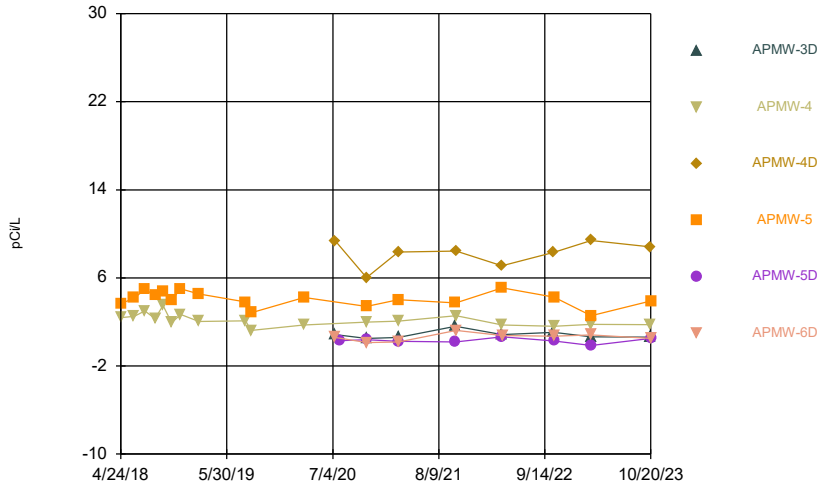
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 12/6/2023 9:25 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG

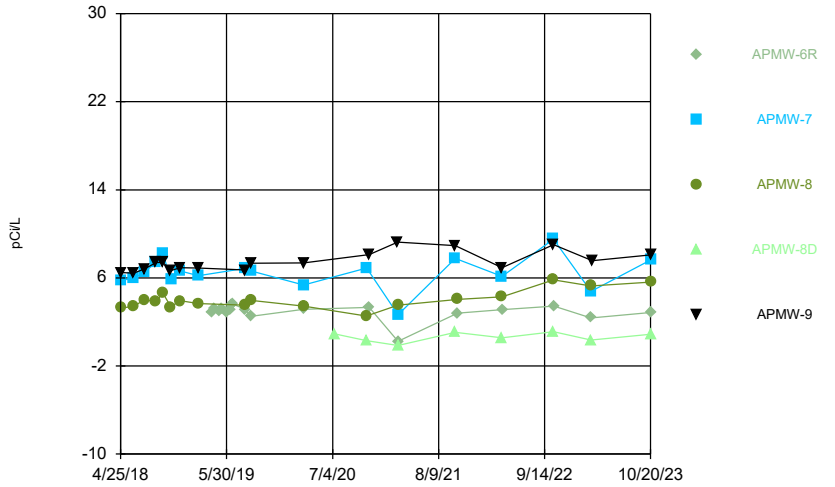
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 12/6/2023 9:25 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG

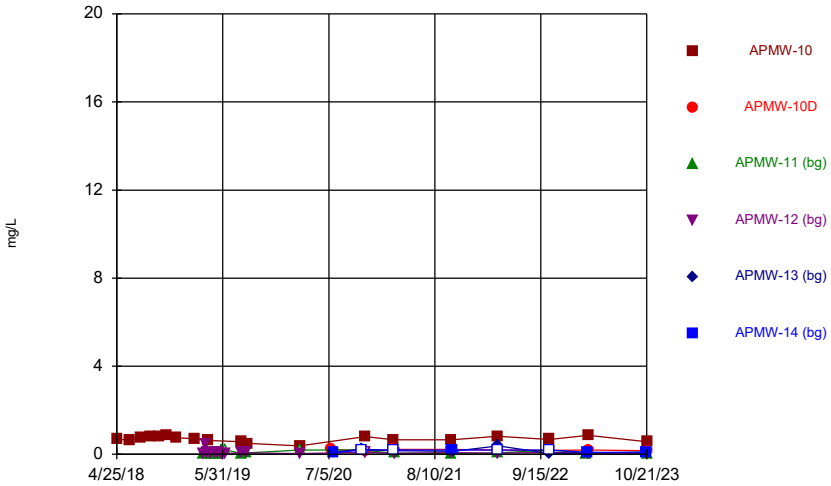
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 12/6/2023 9:25 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

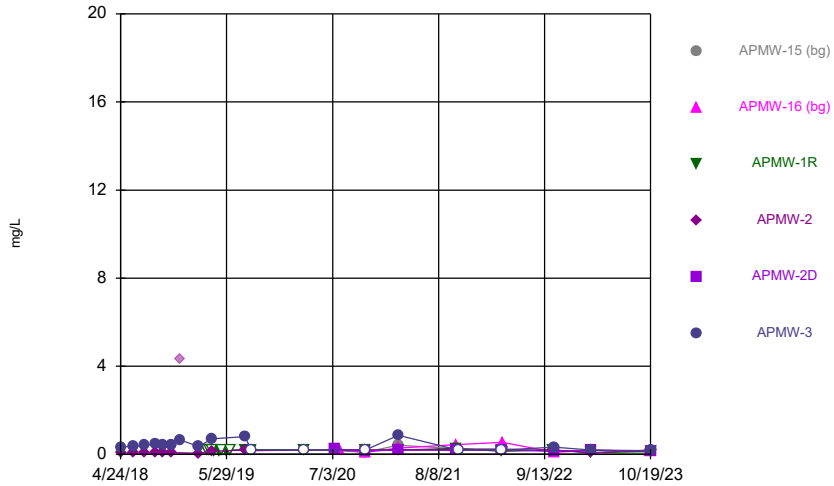
Time Series



Constituent: Fluoride Analysis Run 12/6/2023 9:25 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

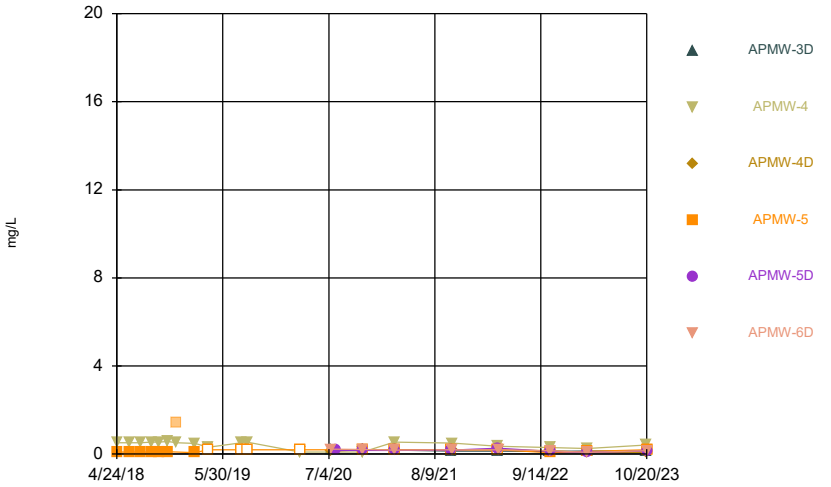
Time Series



Constituent: Fluoride Analysis Run 12/6/2023 9:25 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

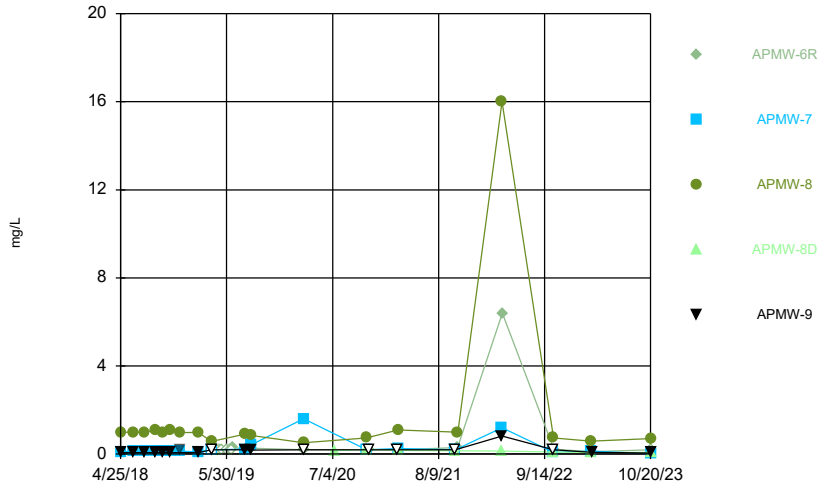
Time Series



Constituent: Fluoride Analysis Run 12/6/2023 9:25 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

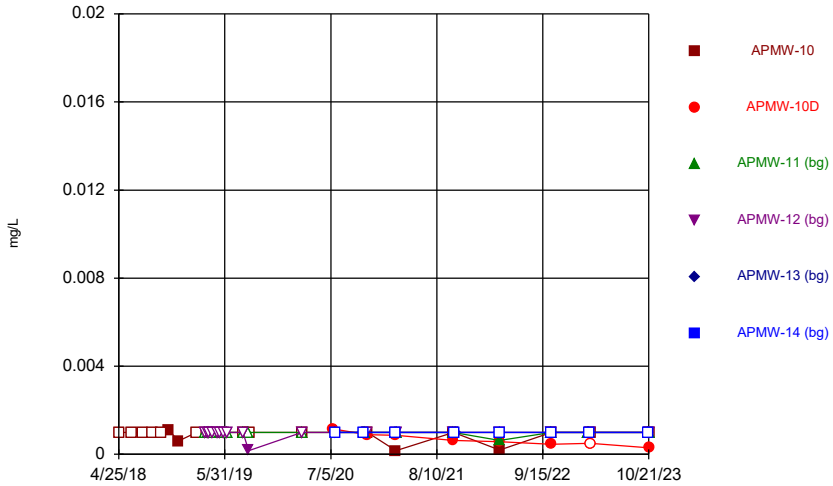
Time Series



Constituent: Fluoride Analysis Run 12/6/2023 9:25 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

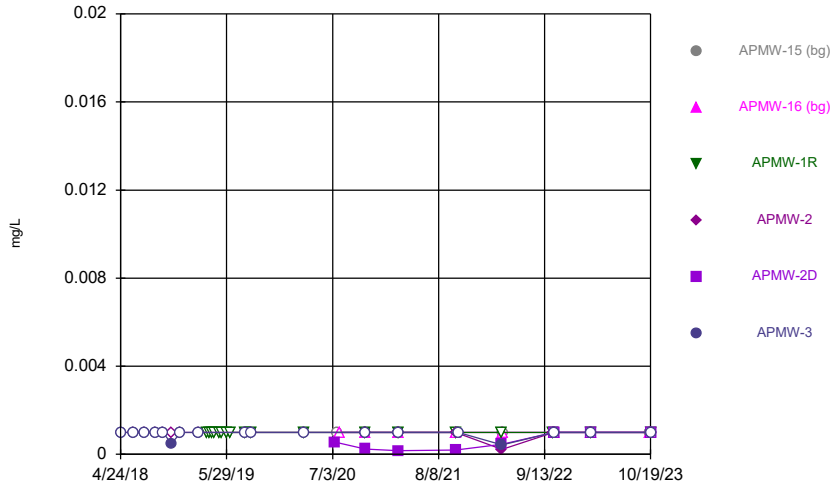
Time Series



Constituent: Lead Analysis Run 12/6/2023 9:25 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

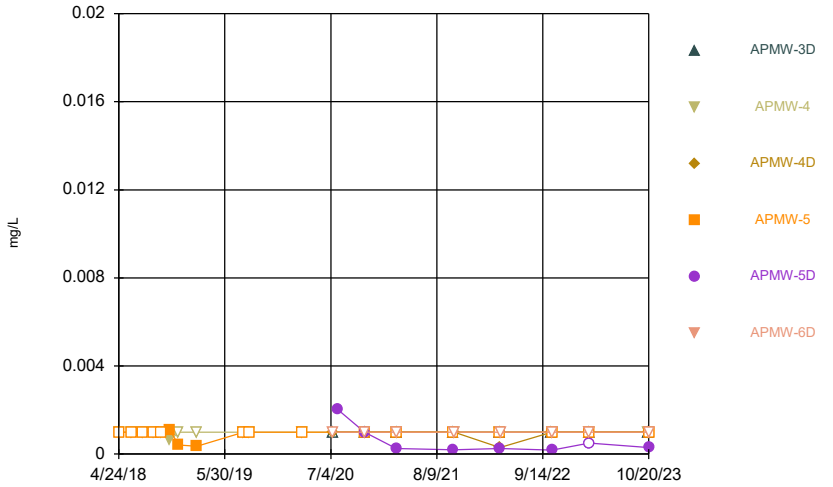
Time Series



Constituent: Lead Analysis Run 12/6/2023 9:25 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

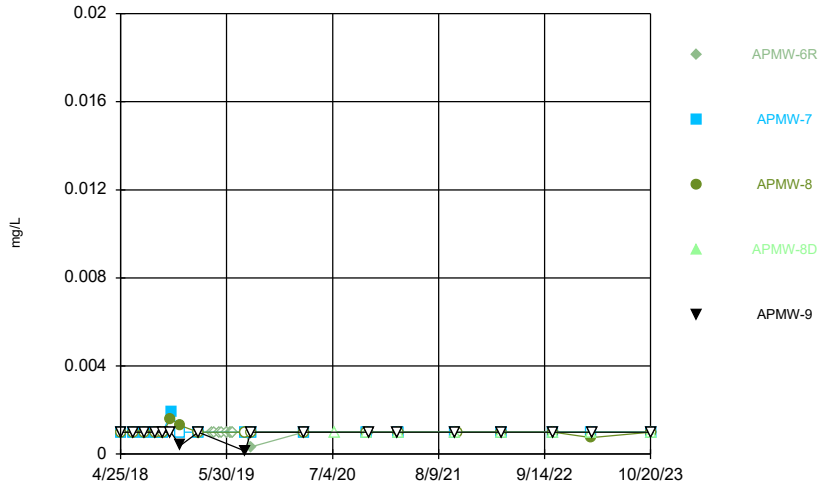
Time Series



Constituent: Lead Analysis Run 12/6/2023 9:25 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

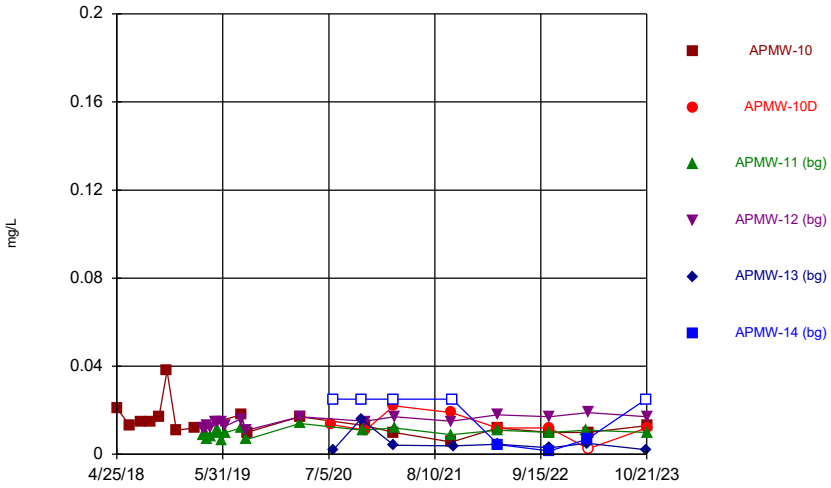
Time Series



Constituent: Lead Analysis Run 12/6/2023 9:25 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

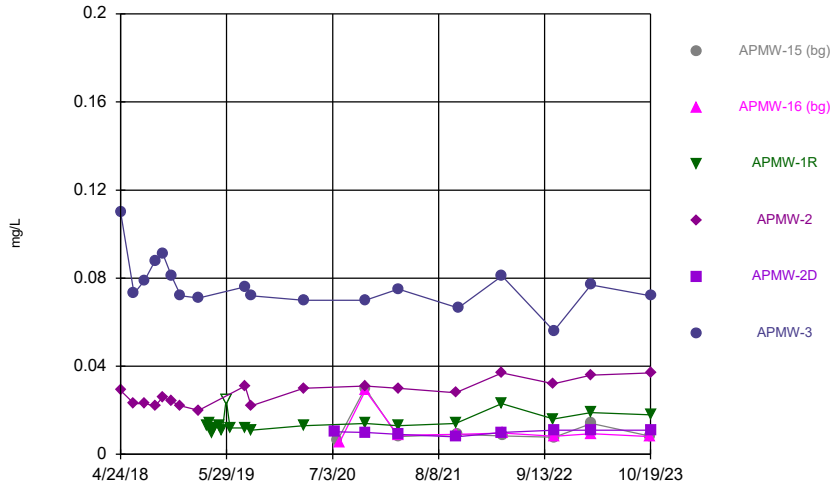
Time Series



Constituent: Lithium Analysis Run 12/6/2023 9:25 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

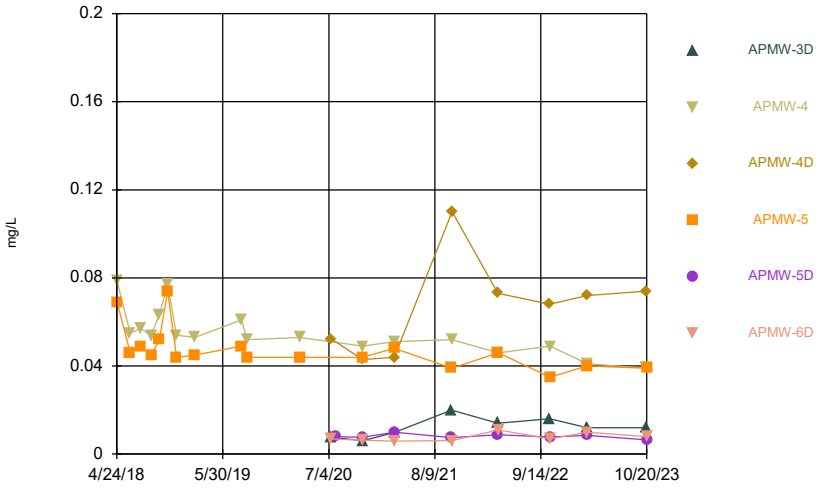
Time Series



Constituent: Lithium Analysis Run 12/6/2023 9:25 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG

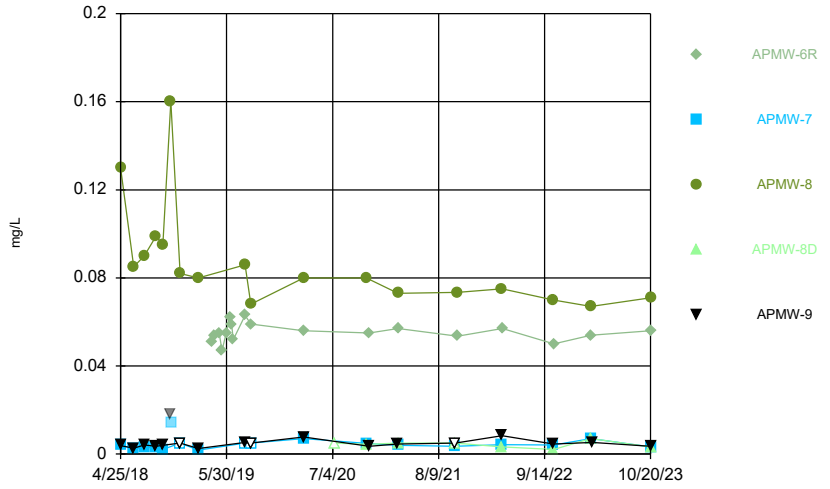
Time Series



Constituent: Lithium Analysis Run 12/6/2023 9:25 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

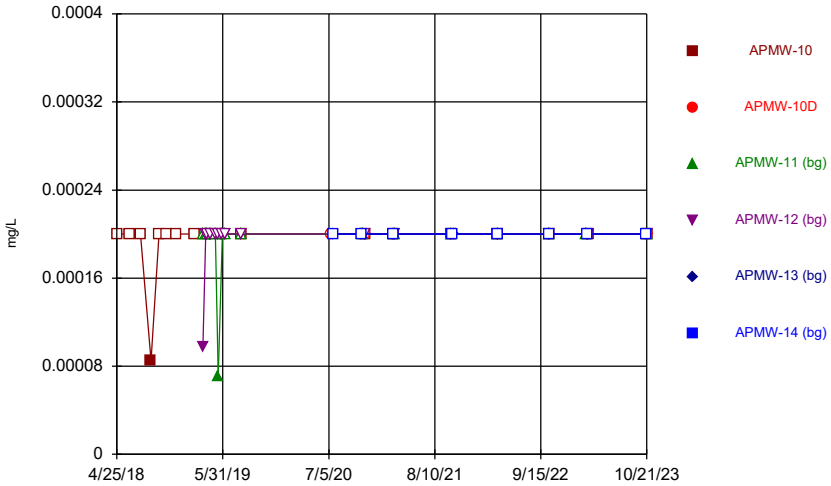
Time Series



Constituent: Lithium Analysis Run 12/6/2023 9:25 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

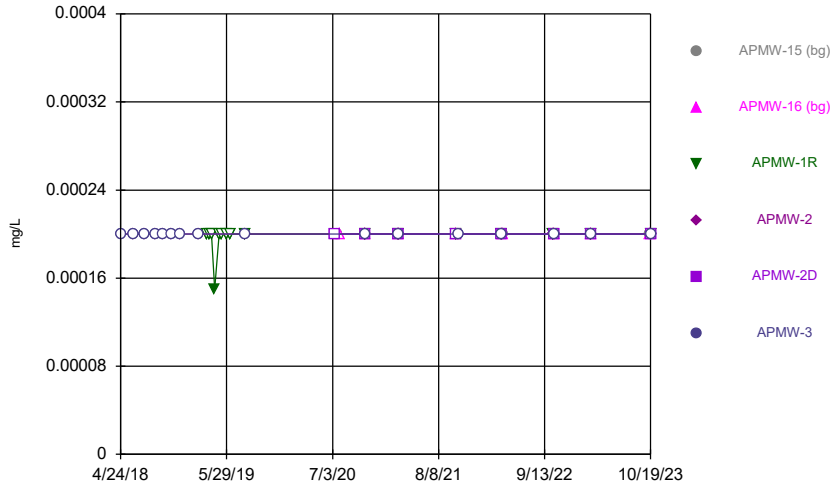
Time Series



Constituent: Mercury Analysis Run 12/6/2023 9:25 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

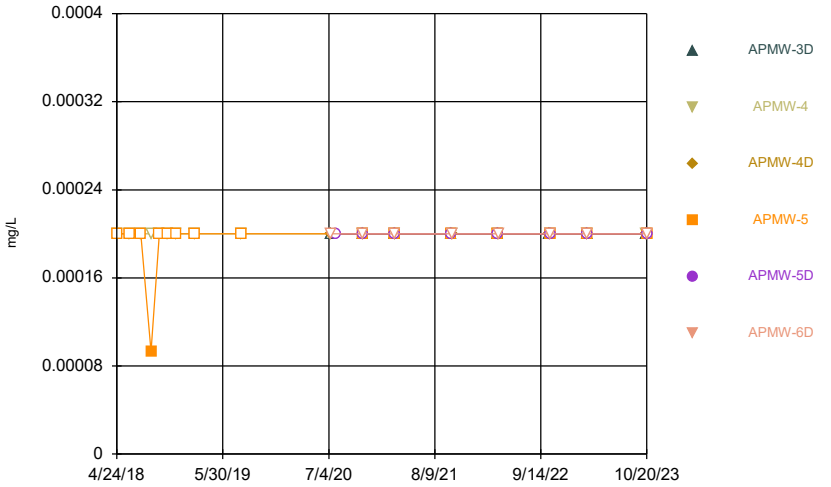
Time Series



Constituent: Mercury Analysis Run 12/6/2023 9:25 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

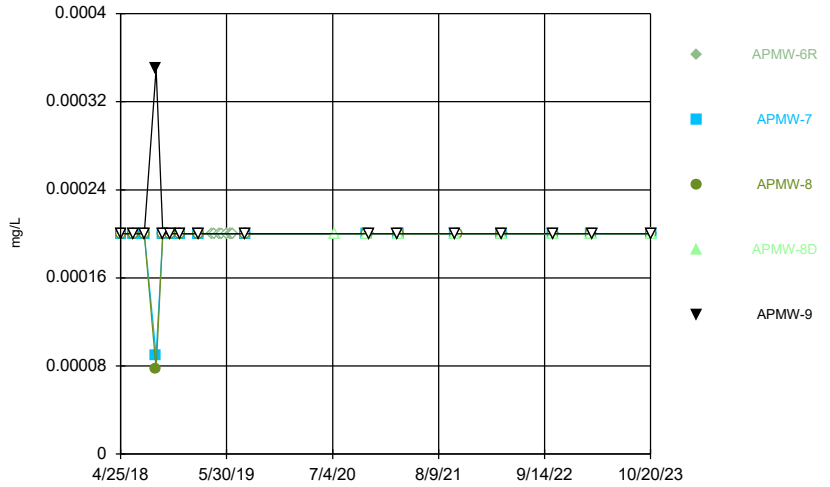
Time Series



Constituent: Mercury Analysis Run 12/6/2023 9:25 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

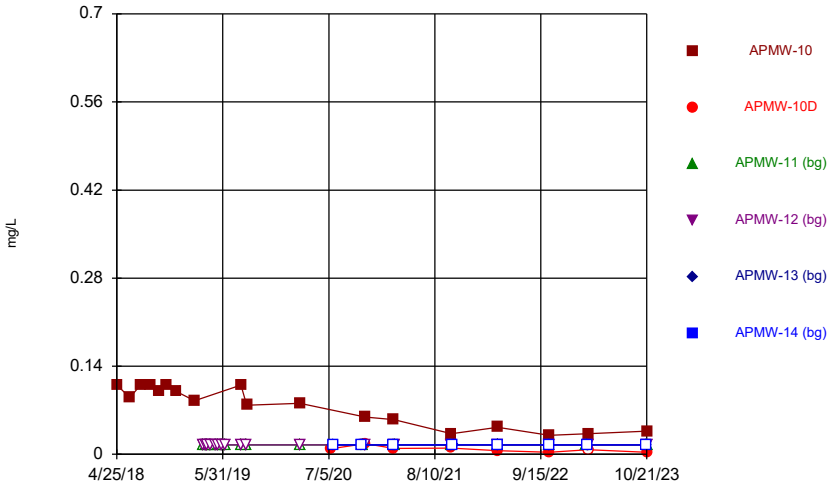
Time Series



Constituent: Mercury Analysis Run 12/6/2023 9:25 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

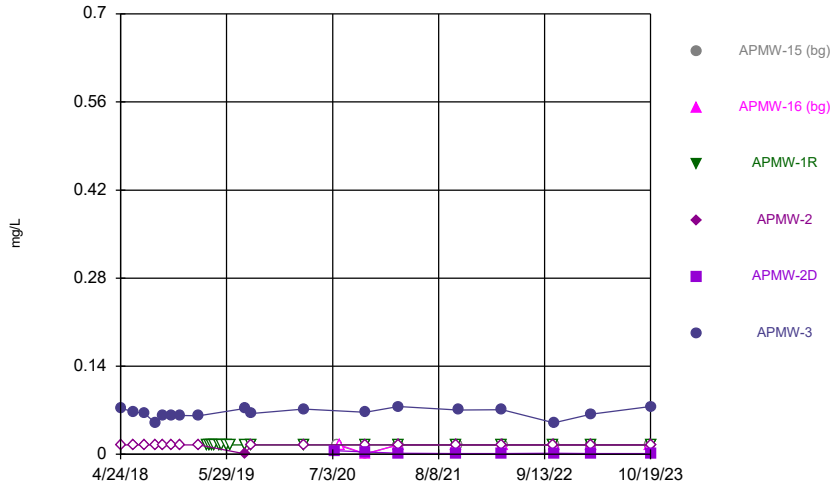
Time Series



Constituent: Molybdenum Analysis Run 12/6/2023 9:25 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

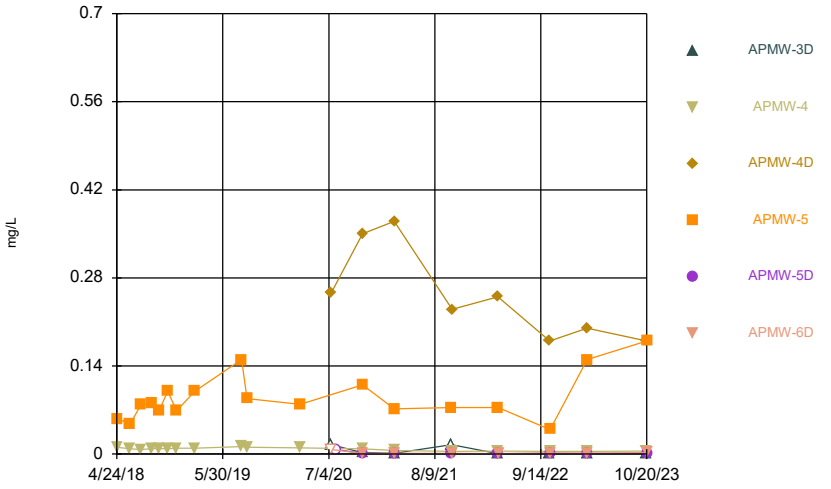
Time Series



Constituent: Molybdenum Analysis Run 12/6/2023 9:25 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

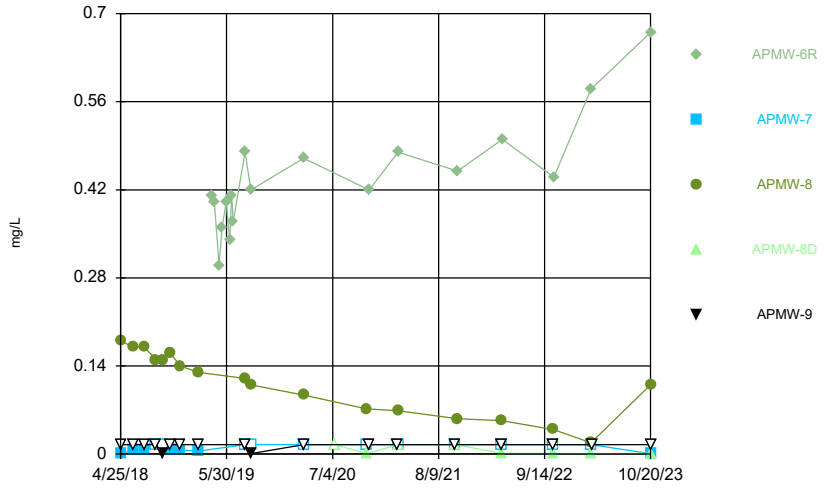
Time Series



Constituent: Molybdenum Analysis Run 12/6/2023 9:25 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

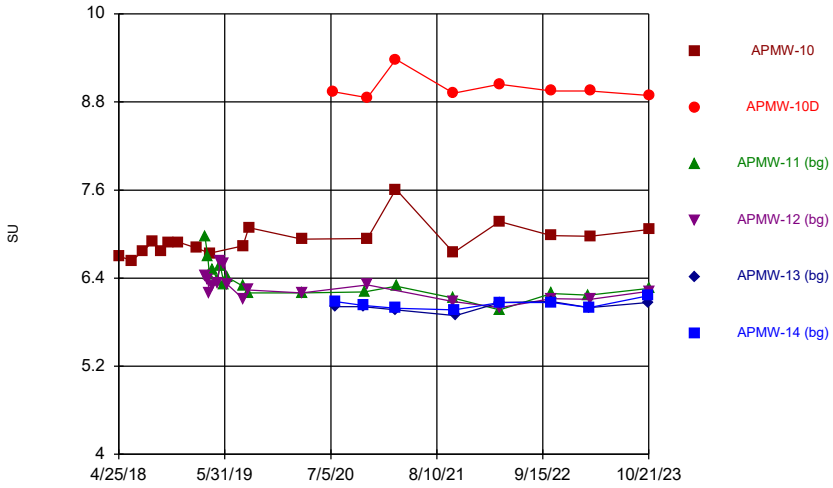
Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Molybdenum Analysis Run 12/6/2023 9:26 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

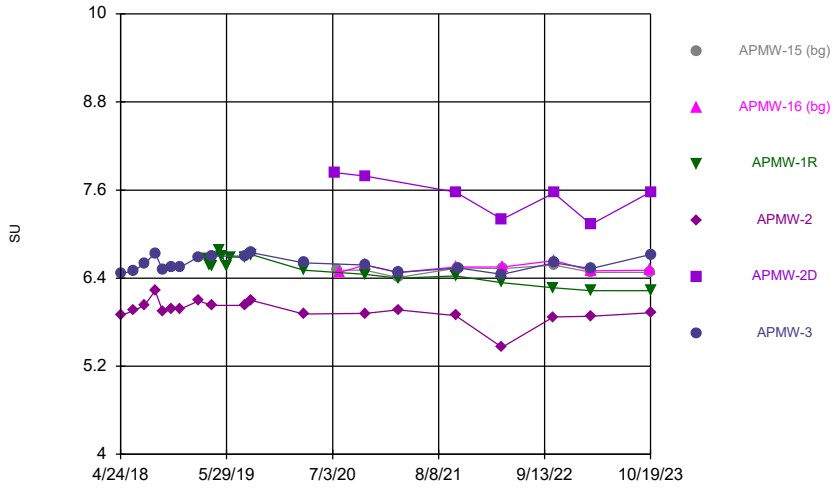
Time Series



Constituent: pH Analysis Run 12/6/2023 9:26 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG

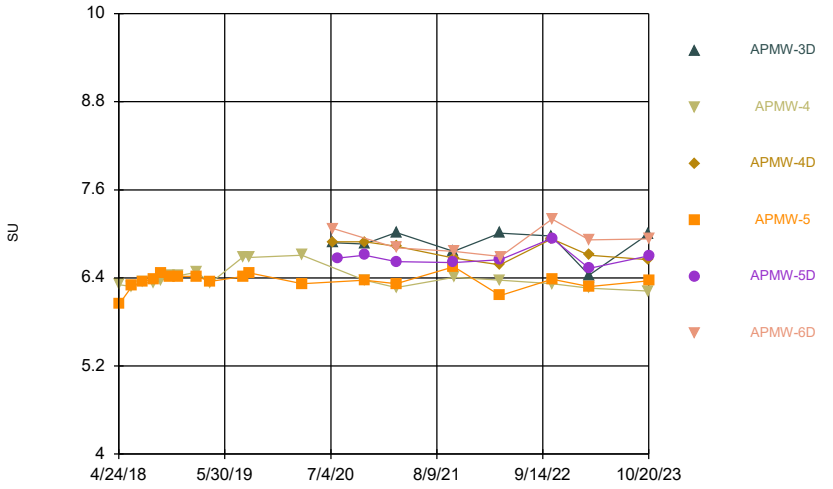
Time Series



Constituent: pH Analysis Run 12/6/2023 9:26 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG

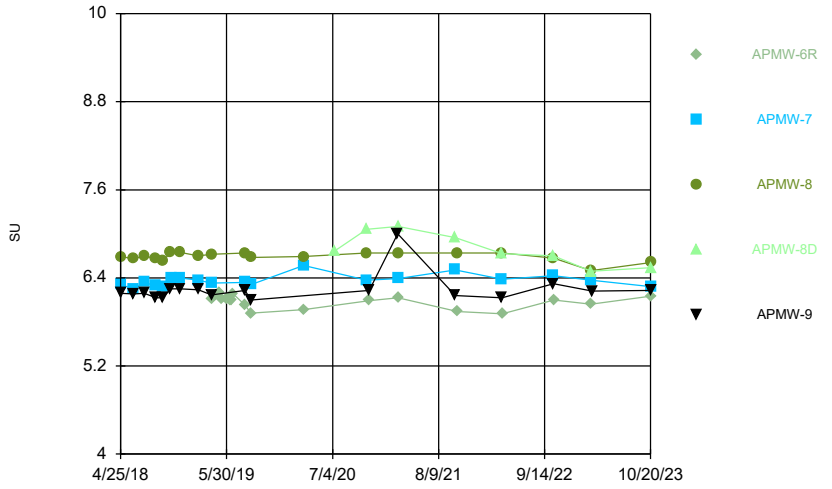
Time Series



Constituent: pH Analysis Run 12/6/2023 9:26 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG

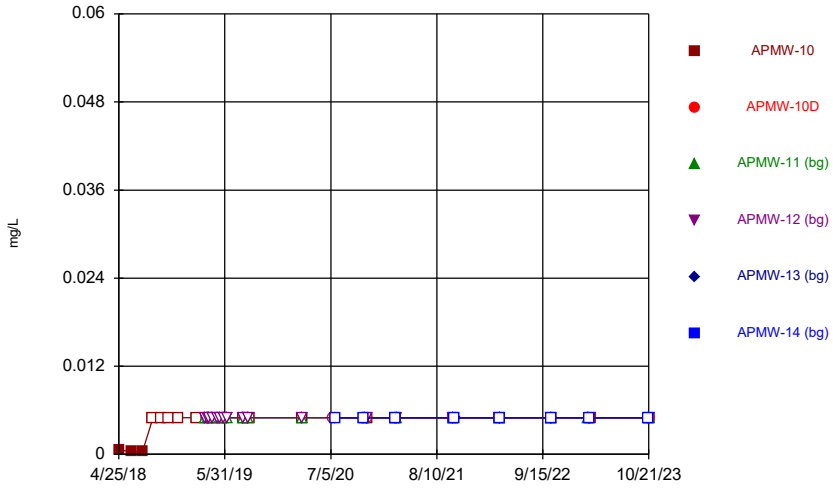
Time Series



Constituent: pH Analysis Run 12/6/2023 9:26 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

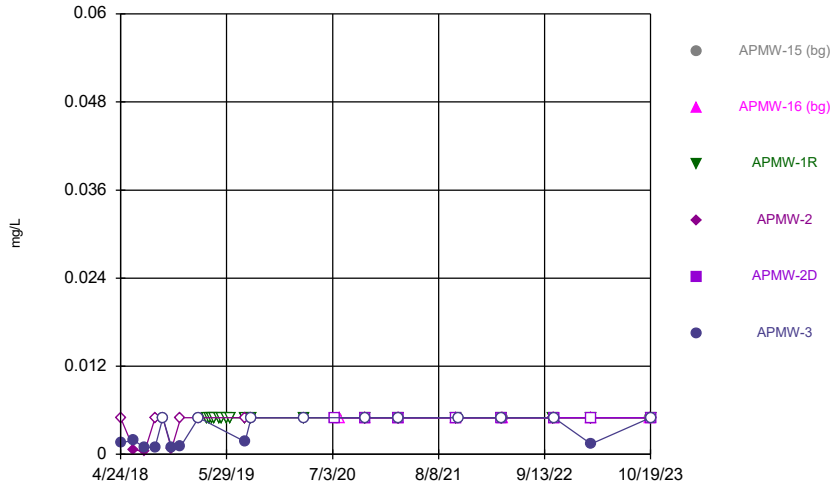
Time Series



Constituent: Selenium Analysis Run 12/6/2023 9:26 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

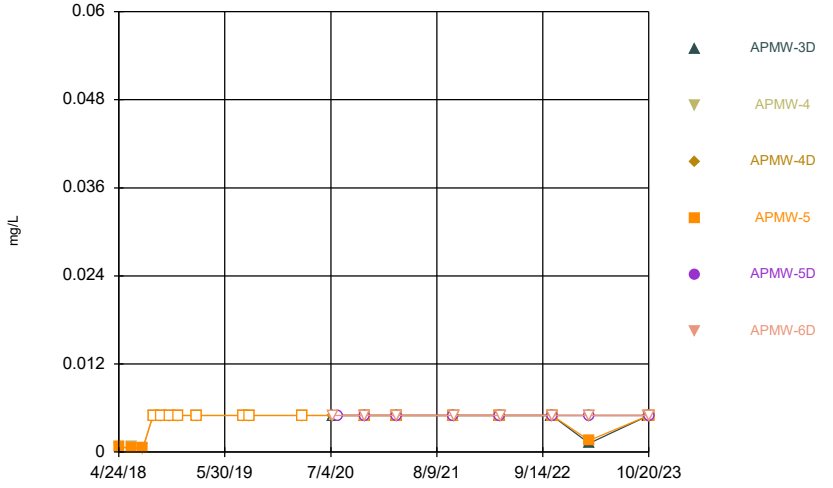
Time Series



Constituent: Selenium Analysis Run 12/6/2023 9:26 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

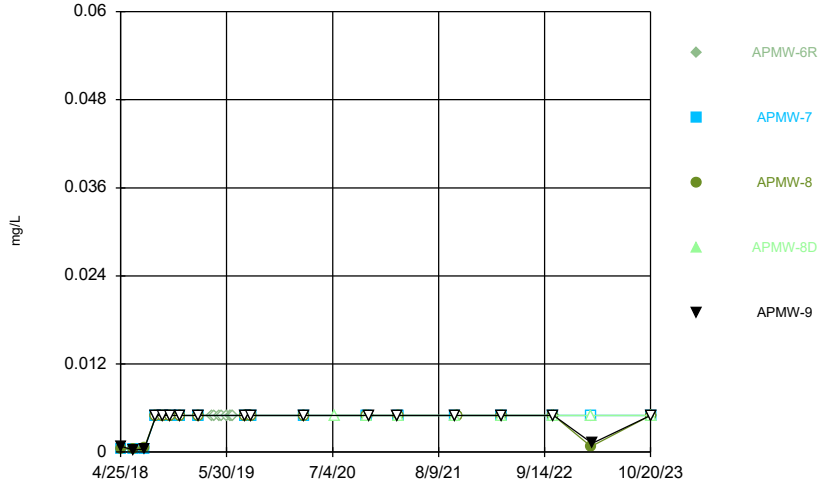
Time Series



Constituent: Selenium Analysis Run 12/6/2023 9:26 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

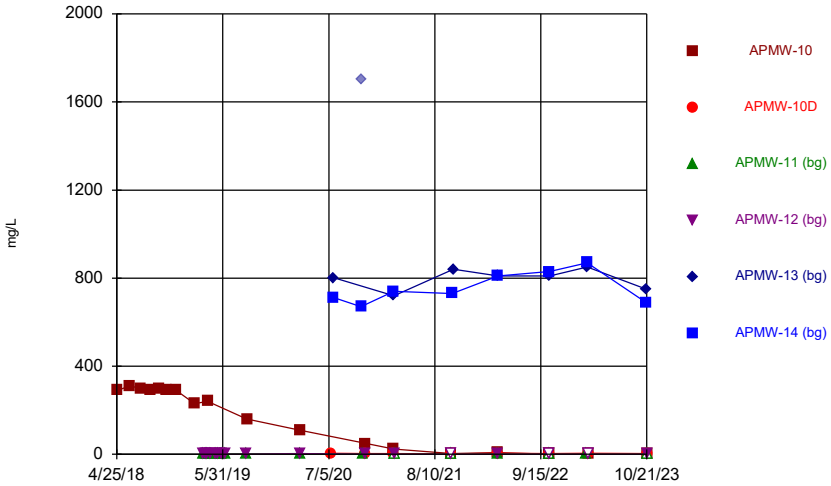
Time Series



Constituent: Selenium Analysis Run 12/6/2023 9:26 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

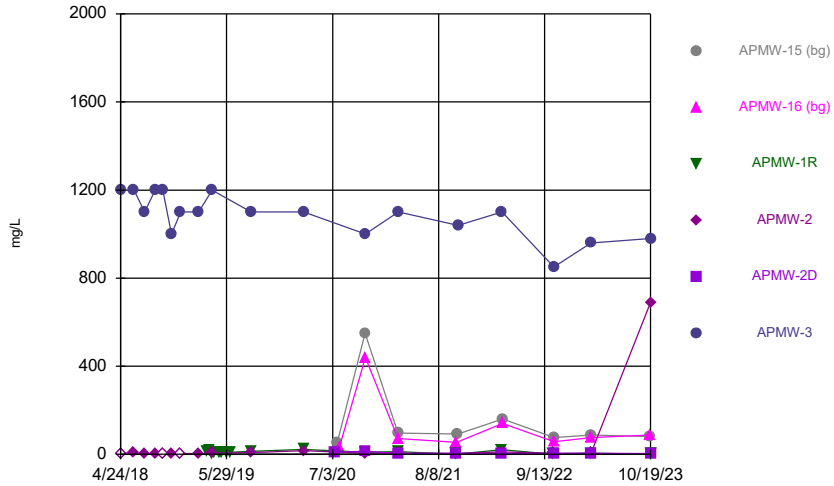
Time Series



Constituent: Sulfate Analysis Run 12/6/2023 9:26 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

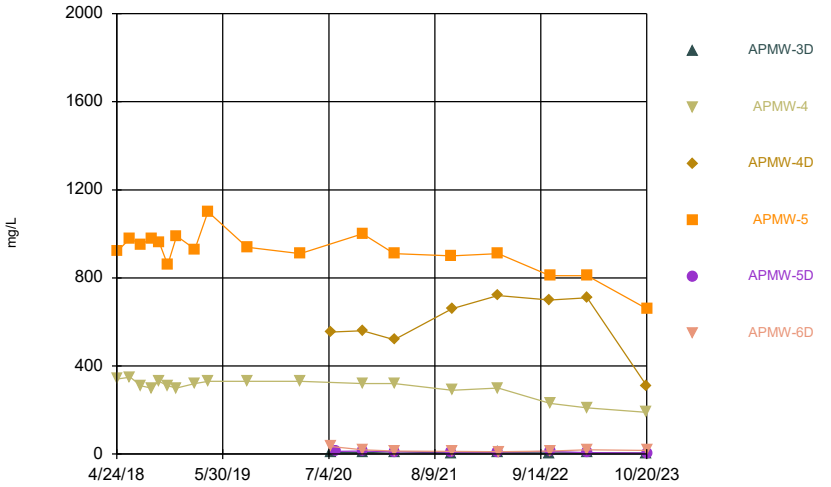
Time Series



Constituent: Sulfate Analysis Run 12/6/2023 9:26 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG

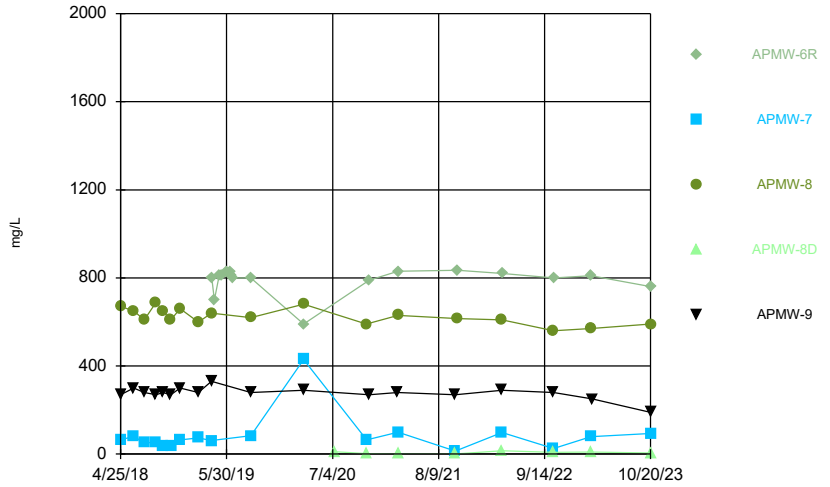
Time Series



Constituent: Sulfate Analysis Run 12/6/2023 9:26 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG

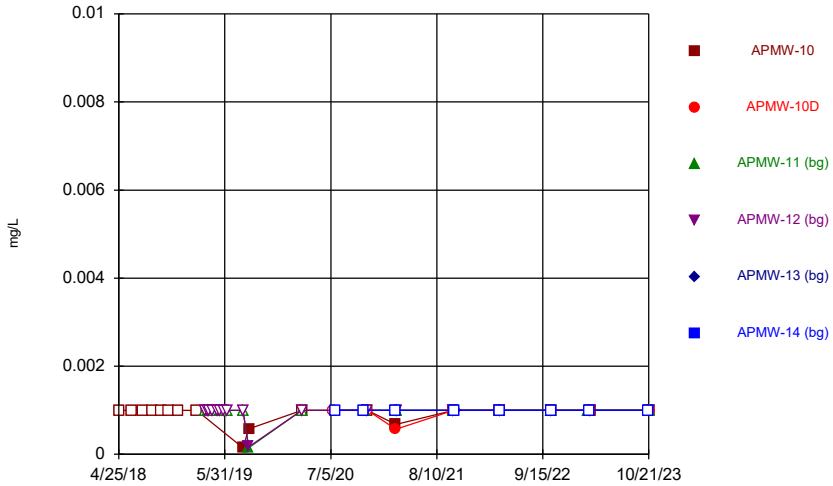
Time Series



Constituent: Sulfate Analysis Run 12/6/2023 9:26 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

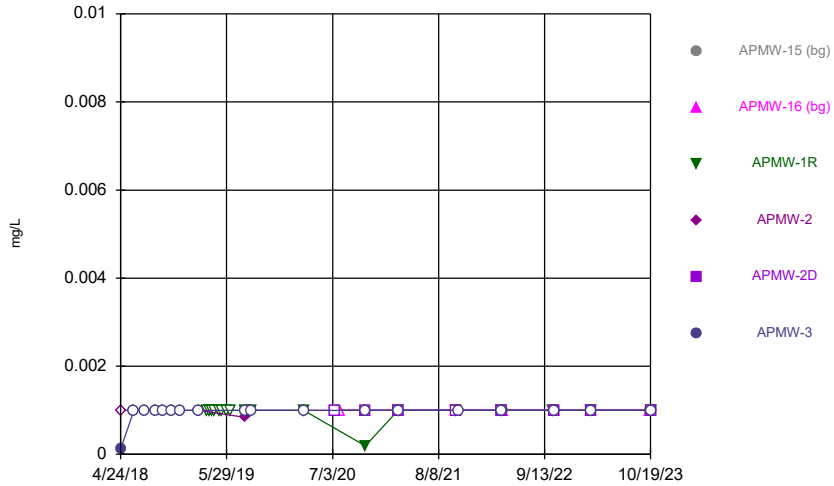
Time Series



Constituent: Thallium Analysis Run 12/6/2023 9:26 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

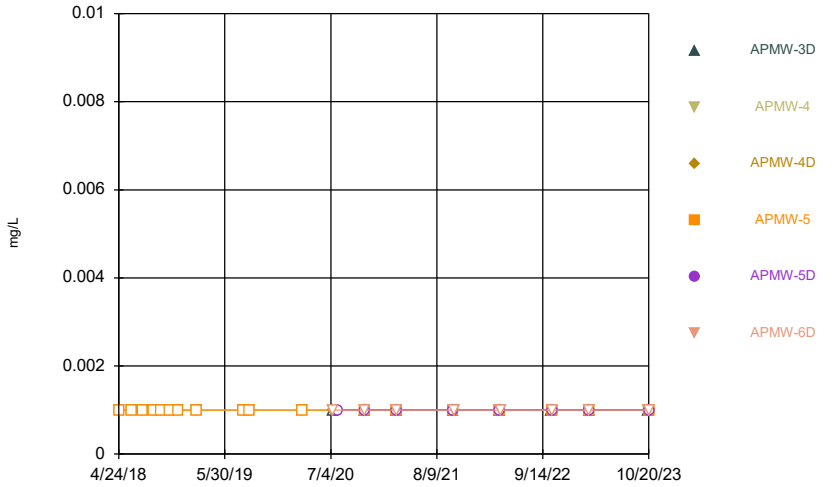
Time Series



Constituent: Thallium Analysis Run 12/6/2023 9:26 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

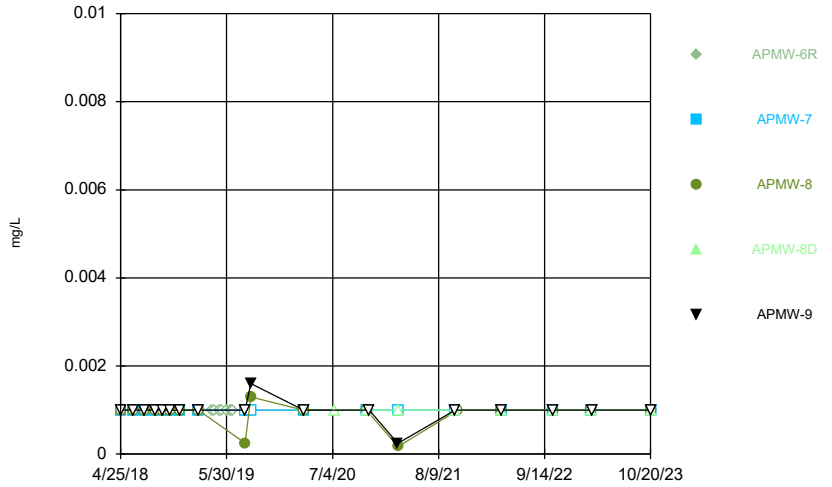
Time Series



Constituent: Thallium Analysis Run 12/6/2023 9:26 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

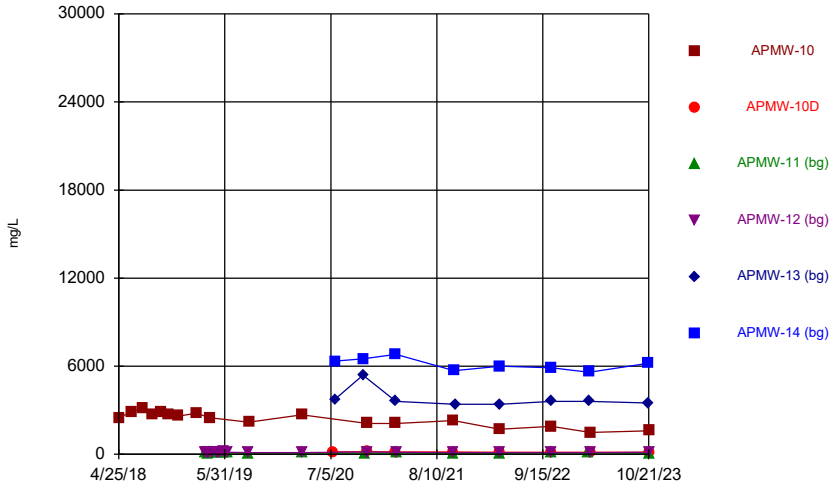
Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Thallium Analysis Run 12/6/2023 9:26 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

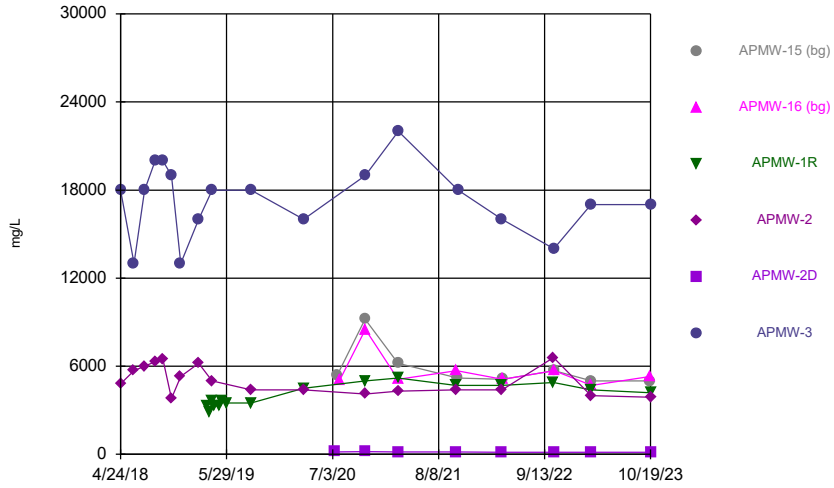
Time Series



Constituent: Total Dissolved Solids Analysis Run 12/6/2023 9:26 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG

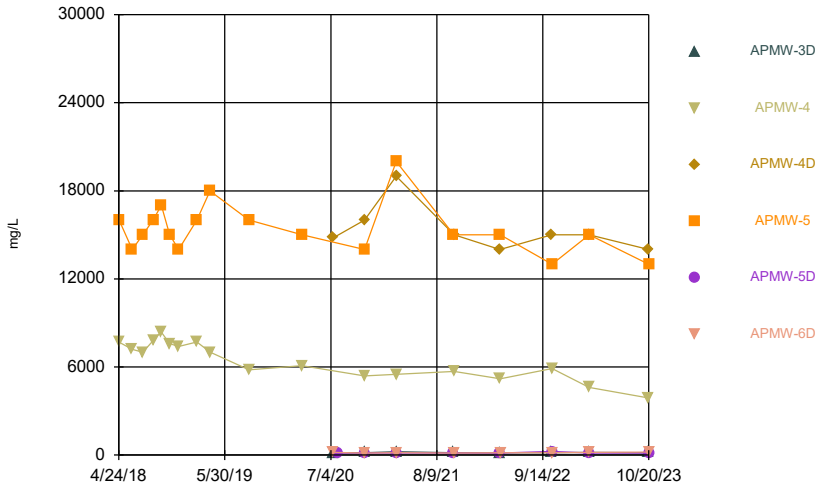
Time Series



Constituent: Total Dissolved Solids Analysis Run 12/6/2023 9:26 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG

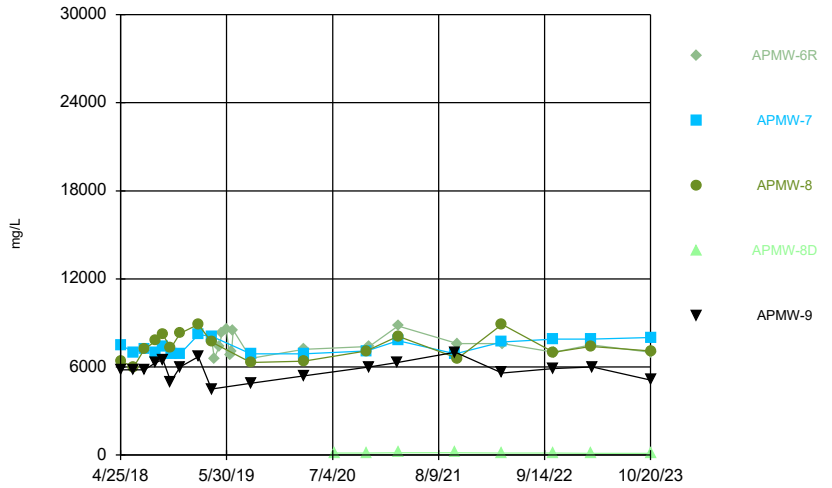
Time Series



Constituent: Total Dissolved Solids Analysis Run 12/6/2023 9:26 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG

Time Series



Constituent: Total Dissolved Solids Analysis Run 12/6/2023 9:26 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Time Series

Constituent: Antimony (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	<0.002					
6/13/2018	<0.002					
7/23/2018	<0.002					
9/1/2018	<0.002					
10/2/2018	<0.002					
11/1/2018	<0.002					
12/6/2018	<0.002					
2/13/2019	<0.002					
3/16/2019			<0.002	<0.002		
3/27/2019			<0.002 (D)	<0.002 (D)		
4/3/2019			<0.002 (D)	<0.002 (D)		
4/16/2019			<0.002	<0.002		
5/3/2019			<0.002	<0.002		
5/14/2019			<0.002	<0.002		
5/29/2019			<0.002	<0.002		
6/12/2019			<0.002	<0.002		
8/8/2019	<0.002		<0.002	<0.002		
8/29/2019			<0.002	<0.002		
8/30/2019	<0.002					
3/17/2020	<0.002		<0.002	<0.002		
7/13/2020		<0.002				
7/21/2020					<0.002	<0.002
11/4/2020					<0.002	<0.002
11/9/2020			<0.002			
11/20/2020	<0.002	<0.002		<0.002		
3/8/2021	<0.002	<0.002			<0.002	<0.002
3/10/2021			<0.002	<0.002		
10/11/2021			<0.002	<0.002		
10/12/2021	<0.002	<0.002				
10/15/2021						<0.002
10/20/2021					<0.002	
4/4/2022			<0.002	<0.002		
4/5/2022	<0.002	<0.002				
4/7/2022					<0.002	<0.002
10/17/2022			<0.002	<0.002		
10/18/2022	<0.002	0.00053 (J)				
10/19/2022					<0.002	<0.002
3/7/2023			<0.002			
3/10/2023					<0.002	<0.002
3/13/2023	<0.002	<0.002				
3/14/2023				<0.002		
10/18/2023					<0.002	<0.002
10/21/2023	<0.002	<0.002	<0.002	<0.002		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<0.002		<0.002
6/14/2018				<0.002		<0.002
7/24/2018				<0.002		<0.002
9/1/2018				<0.002		<0.002
10/1/2018				<0.002		<0.002
11/2/2018				<0.002		<0.002
12/7/2018				<0.002		<0.002
2/13/2019				<0.002		<0.002
3/16/2019			<0.002			
3/27/2019			<0.002			
4/3/2019			<0.002			
4/15/2019			<0.002			
5/2/2019			<0.002			
5/14/2019			<0.002			
5/28/2019			<0.002			
6/12/2019			<0.002			
8/8/2019			<0.002	0.0014 (J)		<0.002
8/30/2019			<0.002	<0.002		<0.002
3/16/2020			<0.002	<0.002		<0.002
7/11/2020					<0.002	
7/21/2020	<0.002					
7/30/2020		<0.002				
11/3/2020	<0.002					
11/4/2020		<0.002	<0.002			
11/5/2020				<0.002	<0.002	<0.002
3/8/2021	<0.002	<0.002	<0.002	<0.002	<0.002	
3/9/2021						<0.002
10/12/2021			<0.002	<0.002	<0.002	
10/15/2021		<0.002				
10/20/2021	<0.002					
10/21/2021						<0.002
4/4/2022			<0.002			
4/5/2022				<0.002	<0.002	<0.002
4/7/2022	<0.002	<0.002				
10/17/2022			<0.002	<0.002		
10/18/2022					<0.002	0.00059 (J)
10/19/2022	<0.002	0.00055 (J)				
3/8/2023			<0.002	<0.002	<0.002	<0.002
3/10/2023	<0.002	<0.002				
10/18/2023	<0.002	<0.002				
10/19/2023			<0.002	<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		<0.002				
4/25/2018				<0.002		
6/14/2018		<0.002		<0.002		
7/24/2018		<0.002		<0.002		
9/1/2018		<0.002		<0.002		
10/1/2018		<0.002				
10/2/2018				<0.002		
11/2/2018		<0.002		<0.002		
12/6/2018		<0.002		<0.002		
2/13/2019		<0.002		<0.002		
8/9/2019		<0.002		<0.002		
8/30/2019		<0.002		<0.002		
3/16/2020		<0.002				
3/17/2020				<0.002		
7/13/2020	<0.002					
7/14/2020			<0.002			<0.002
7/30/2020					<0.002	
11/9/2020	<0.002	<0.002	<0.002	<0.002	<0.002	
11/10/2020						<0.002
3/9/2021	<0.002	<0.002	<0.002	<0.002	<0.002	
3/10/2021						<0.002
10/11/2021	<0.002				<0.002	
10/12/2021				<0.002		
10/14/2021		<0.002	<0.002			<0.002
4/5/2022	<0.002		<0.002			
4/6/2022		<0.002		<0.002	<0.002	
4/7/2022						0.00075 (J)
10/18/2022	<0.002		<0.002			
10/19/2022		<0.002		<0.002	<0.002	<0.002
3/8/2023	<0.002	<0.002	<0.002			
3/9/2023				<0.002	<0.002	<0.002
10/19/2023	<0.002	<0.002	<0.002			
10/20/2023				<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		<0.002	<0.002		<0.002
6/13/2018					<0.002
6/14/2018		<0.002	<0.002		
7/23/2018			<0.002		<0.002
7/24/2018		<0.002			
9/6/2018		<0.002	<0.002		<0.002
10/2/2018		<0.002	<0.002		<0.002
11/1/2018			<0.002		<0.002
11/2/2018		<0.002			
12/6/2018		<0.002	<0.002		<0.002
2/13/2019		<0.002	<0.002		<0.002
4/5/2019	<0.002 (D)				
4/15/2019	<0.002				
5/2/2019	<0.002				
5/14/2019	<0.002				
5/29/2019	<0.002				
6/12/2019	<0.002				
6/19/2019	<0.002				
6/25/2019	<0.002				
8/8/2019					<0.002
8/9/2019	<0.002	<0.002	<0.002		
8/30/2019	<0.002	<0.002	<0.002		<0.002
3/17/2020	<0.002	<0.002	<0.002		<0.002
7/13/2020				<0.002	
11/9/2020			<0.002		
11/10/2020		<0.002		<0.002	
11/20/2020	<0.002				<0.002
3/8/2021					<0.002
3/9/2021	<0.002	<0.002	<0.002	<0.002	
10/12/2021		<0.002		<0.002	<0.002
10/20/2021	<0.002				
10/21/2021			<0.002		
4/6/2022		<0.002	0.00066 (J)	<0.002	<0.002
4/7/2022	<0.002				
10/18/2022		<0.002	<0.002	<0.002	<0.002
10/19/2022	<0.002				
3/9/2023	<0.002	<0.002	<0.002	<0.002	
3/13/2023					<0.002
10/20/2023	<0.002	<0.002	<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	0.13					
6/13/2018	0.11					
7/23/2018	0.13					
9/1/2018	0.12					
10/2/2018	0.11					
11/1/2018	0.11					
12/6/2018	0.12					
2/13/2019	0.098					
3/16/2019			0.00062 (J)	0.00084 (J)		
3/27/2019			<0.005 (D)	<0.005 (D)		
4/3/2019			<0.005 (D)	0.0013 (D)		
4/16/2019			<0.005	0.0013		
5/3/2019			<0.005	0.0011 (J)		
5/14/2019			<0.005	0.00061 (J)		
5/29/2019			0.00037 (J)	0.0011		
6/12/2019			0.00056 (J)	0.0013		
8/8/2019	0.11		<0.005	0.001		
8/29/2019			<0.005	0.00041 (J)		
8/30/2019	0.079					
3/17/2020	0.093		<0.005	0.00043 (J)		
7/13/2020		0.0116				
7/21/2020					<0.005	0.00215
11/4/2020					0.00032 (J)	<0.005
11/9/2020			<0.005			
11/20/2020	0.072	0.019		0.00042 (J)		
3/8/2021	0.047	0.01			<0.005	<0.005
3/10/2021			<0.005	0.00039 (J)		
10/11/2021			<0.005	0.00031 (J)		
10/12/2021	0.028	0.011				
10/15/2021						0.00058 (J)
10/20/2021					<0.005	
4/4/2022			<0.005	0.00044 (J)		
4/5/2022	0.039	0.016				
4/7/2022					<0.005	<0.005
10/17/2022			<0.005	0.00034 (J)		
10/18/2022	0.037	0.0054				
10/19/2022					<0.005	0.00033 (J)
3/7/2023			<0.005			
3/10/2023					<0.005	0.00034 (J)
3/13/2023	0.032	<0.005				
3/14/2023				<0.005		
10/18/2023					<0.005	<0.005
10/21/2023	0.037	0.007 (J)	<0.005	<0.005		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				0.00077 (J)		0.084
6/14/2018				<0.005		0.081
7/24/2018				<0.005		0.093
9/1/2018				<0.005		0.099
10/1/2018				0.00094 (J)		0.077
11/2/2018				0.0012 (J)		0.067
12/7/2018				<0.005		0.063
2/13/2019				<0.005		0.065
3/16/2019			0.0021			
3/27/2019			0.0019			
4/3/2019			0.0019			
4/15/2019			0.0025			
5/2/2019			0.0019			
5/14/2019			0.0027			
5/28/2019			<0.005			
6/12/2019			0.0023			
8/8/2019			0.0012	0.00035 (J)		0.074
8/30/2019			0.0011	<0.005		0.07
3/16/2020			0.00085 (J)	<0.005		0.071
7/11/2020					0.00374	
7/21/2020	0.00277					
7/30/2020		0.00496				
11/3/2020	0.0013					
11/4/2020		0.0036	0.00069 (J)			
11/5/2020				<0.005	0.0033	0.064
3/8/2021	0.00073 (J)	0.00072 (J)	0.0005 (J)	<0.005	0.0032	
3/9/2021						0.042
10/12/2021			<0.005	<0.005	0.0027	
10/15/2021		0.0007 (J)				
10/20/2021	0.00079 (JD)					
10/21/2021						0.0445 (D)
4/4/2022			0.0004 (J)			
4/5/2022				<0.005	0.0029	0.047
4/7/2022	0.00063 (J)	0.00078 (J)				
10/17/2022			0.00031 (J)	<0.005		
10/18/2022					0.0028	0.061
10/19/2022	0.00062 (J)	0.0011				
3/8/2023			0.0004 (J)	<0.005	0.0032	0.072
3/10/2023	0.00078 (J)	0.00073 (J)				
10/18/2023	0.00094 (J)	0.0016 (J)				
10/19/2023			<0.005	<0.005	0.0032 (J)	0.096

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		0.019				
4/25/2018				0.24		
6/14/2018		0.018		0.22		
7/24/2018		0.018		0.23		
9/1/2018		0.017		0.22		
10/1/2018		0.017				
10/2/2018				0.21		
11/2/2018		0.018		0.26		
12/6/2018		0.018		0.23		
2/13/2019		0.019		0.23		
8/9/2019		0.018		0.24		
8/30/2019		0.016		0.2		
3/16/2020		0.017				
3/17/2020				0.21		
7/13/2020	0.002					
7/14/2020			0.00773			0.00412
7/30/2020					0.00958	
11/9/2020	0.0033	0.018	0.0043	0.26	0.012	
11/10/2020						0.0041
3/9/2021	0.0035	0.016	0.0059	0.21	0.013	
3/10/2021						0.0045
10/11/2021	0.0037				0.013	
10/12/2021				0.21		
10/14/2021		0.012	0.0046			0.0055
4/5/2022	0.0028		0.0044			
4/6/2022		0.011		0.21	0.016	
4/7/2022						0.0052
10/18/2022	0.0037		0.0028			
10/19/2022		0.0073		0.18	0.014	0.0031
3/8/2023	0.0027	0.0075	0.0031			
3/9/2023				0.22	0.016	0.0041
10/19/2023	0.0033 (J)	0.0076 (J)	0.0039 (J)			
10/20/2023				0.25	0.022	0.0055 (J)

Time Series

Constituent: Arsenic (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		0.0021	0.097		0.0016
6/13/2018					0.001 (J)
6/14/2018		0.0015	0.089		
7/23/2018			0.094		0.0011 (J)
7/24/2018		0.0015			
9/6/2018		0.0013	0.082		0.0011 (J)
10/2/2018		0.0014	0.075		0.0015
11/1/2018			0.081		0.0014
11/2/2018		0.0028			
12/6/2018		0.0033	0.079		0.0016
2/13/2019		0.0012 (J)	0.077		0.0013
4/5/2019	0.13 (D)				
4/15/2019	0.13				
5/2/2019	0.089				
5/14/2019	0.13				
5/29/2019	0.12				
6/12/2019	0.13				
6/19/2019	0.16				
6/25/2019	0.13				
8/8/2019					0.0012
8/9/2019	0.16	0.00053 (J)	0.052		
8/30/2019	0.17	0.00044 (J)	0.05		0.0011
3/17/2020	0.18	0.00053 (J)	0.043		0.001
7/13/2020				0.000995 (J)	
11/9/2020			0.036		
11/10/2020		0.00058 (J)		0.0034	
11/20/2020	0.18				0.0012
3/8/2021					0.0015
3/9/2021	0.21	0.00045 (J)	0.035	0.0045	
10/12/2021		0.00044 (J)		0.0044	0.0013
10/20/2021	0.2 (D)				
10/21/2021			0.026 (D)		
4/6/2022		0.00048 (J)	0.023	0.0028	0.0013
4/7/2022	0.21				
10/18/2022		0.00066 (J)	0.02	0.0027	0.0014
10/19/2022	0.21				
3/9/2023	0.22	0.00051 (J)	0.011	0.0021	
3/13/2023					0.0014
10/20/2023	0.29	0.00098 (J)	0.016	0.0028 (J)	0.0012 (J)

Time Series

Constituent: Barium (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	0.26					
6/13/2018	0.3					
7/23/2018	0.24					
9/1/2018	0.25					
10/2/2018	0.23					
11/1/2018	0.23					
12/6/2018	0.24					
2/13/2019	0.26					
3/16/2019			0.09	0.069		
3/27/2019			0.095 (D)	0.079 (D)		
4/3/2019			0.085 (D)	0.075 (D)		
4/16/2019			0.081	0.072		
5/3/2019			0.074	0.076		
5/14/2019			0.083	0.076		
5/29/2019			0.04	0.091		
6/12/2019			0.066	0.083		
8/8/2019	0.24		0.053	0.065		
8/29/2019			0.043	0.071		
8/30/2019	0.2					
3/17/2020	0.25		0.037	0.07		
7/13/2020		0.0358				
7/21/2020					0.212	0.243
11/4/2020					0.11	0.22
11/9/2020			0.038			
11/20/2020	0.27	0.032		0.065		
3/8/2021	0.32	0.026			0.24	0.21
3/10/2021			0.038	0.06		
10/11/2021			0.037	0.06		
10/12/2021	0.34	0.027				
10/15/2021						0.22
10/20/2021					0.25	
4/4/2022			0.037	0.062		
4/5/2022	0.37	0.027				
4/7/2022					0.24	0.23
10/17/2022			0.037	0.057		
10/18/2022	0.37	0.027				
10/19/2022					0.23	0.19
3/7/2023			0.034			
3/10/2023					0.22	0.19
3/13/2023	0.38	<0.01				
3/14/2023				0.062		
10/18/2023					0.21	0.25
10/21/2023	0.32	0.026	0.038	0.065		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Barium (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				2.8		0.097
6/14/2018				3.1		0.11
7/24/2018				3		0.1
9/1/2018				2.9		0.12
10/1/2018				4		0.1
11/2/2018				3.1		0.1
12/7/2018				3.3		0.11
2/13/2019				2.9		0.1
3/16/2019			0.89			
3/27/2019			1.1			
4/3/2019			1.1			
4/15/2019			0.98			
5/2/2019			0.94			
5/14/2019			1			
5/28/2019			1			
6/12/2019			0.91			
8/8/2019			0.93	3.2		0.1
8/30/2019			0.91	2.7		0.1
3/16/2020			1.2	3.2		0.1
7/11/2020					0.0418	
7/21/2020	0.059					
7/30/2020		0.0659				
11/3/2020	0.054					
11/4/2020		0.076	1.4			
11/5/2020				3.2	0.038	0.1
3/8/2021	0.048	0.063	1.3	3.3	0.037	
3/9/2021						0.1
10/12/2021			1.5	3.3	0.04	
10/15/2021		0.067				
10/20/2021	0.049					
10/21/2021						0.095
4/4/2022			1.6			
4/5/2022				3.6	0.049	0.098
4/7/2022	0.048	0.067				
10/17/2022			1.7	3.4		
10/18/2022					0.067	0.096
10/19/2022	0.043	0.069				
3/8/2023			1.8	3.6	0.06	0.11
3/10/2023	0.045	0.055				
10/18/2023	0.048	0.082				
10/19/2023			1.9	3.9	0.068	0.071

Time Series

Constituent: Barium (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		0.46				
4/25/2018				0.093		
6/14/2018		0.5		0.11		
7/24/2018		0.54		0.093		
9/1/2018		0.53		0.1		
10/1/2018		0.5				
10/2/2018				0.1		
11/2/2018		0.5		0.12		
12/6/2018		0.43		0.1		
2/13/2019		0.45		0.1		
8/9/2019		0.33		0.11		
8/30/2019		0.29		0.086		
3/16/2020		0.27				
3/17/2020				0.1		
7/13/2020	0.135					
7/14/2020			0.342			0.107
7/30/2020					0.0659	
11/9/2020	0.14	0.23	0.24	0.1	0.069	
11/10/2020						0.077
3/9/2021	0.16	0.22	0.21	0.1	0.059	
3/10/2021						0.087
10/11/2021	0.18				0.052	
10/12/2021				0.1		
10/14/2021		0.21	0.13			0.1
4/5/2022	0.18		0.097			
4/6/2022		0.17		0.11	0.053	
4/7/2022						0.13
10/18/2022	0.19		0.088			
10/19/2022		0.23		0.1	0.053	0.073
3/8/2023	0.16	0.17	0.083			
3/9/2023				0.11	0.043	0.15
10/19/2023	0.18	0.16	0.088			
10/20/2023				0.11	0.044	0.16

Time Series

Constituent: Barium (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		0.66	0.2		0.42
6/13/2018					0.45
6/14/2018		0.74	0.22		
7/23/2018			0.2		0.42
7/24/2018		0.72			
9/6/2018		0.79	0.22		0.45
10/2/2018		0.93	0.21		0.43
11/1/2018			0.21		0.43
11/2/2018		1.1			
12/6/2018		0.7	0.22		0.44
2/13/2019		0.59	0.23		0.44
4/5/2019	0.071 (D)				
4/15/2019	0.067				
5/2/2019	0.071				
5/14/2019	0.068				
5/29/2019	0.067 (J)				
6/12/2019	0.064 (J)				
6/19/2019	0.059 (J)				
6/25/2019	0.057 (J)				
8/8/2019					0.42
8/9/2019	0.058	0.76	0.2		
8/30/2019	0.052	0.56	0.2		0.42
3/17/2020	0.05	0.53	0.21		0.49
7/13/2020				0.192	
11/9/2020			0.23		
11/10/2020		0.77		0.12	
11/20/2020	0.048				0.48
3/8/2021					0.47
3/9/2021	0.055	0.53	0.22	0.15	
10/12/2021		0.97		0.14	0.49
10/20/2021	0.048				
10/21/2021			0.23		
4/6/2022		0.61	0.24	0.12	0.52
4/7/2022	0.043 (J)				
10/18/2022		0.97	0.24	0.1	0.5
10/19/2022	0.044				
3/9/2023	0.046	0.65	0.3	0.1	
3/13/2023					0.55
10/20/2023	0.048	0.7	0.3	0.082	0.4

Time Series

Constituent: Beryllium (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	<0.0025					
6/13/2018	<0.0025					
7/23/2018	<0.0025					
9/1/2018	<0.0025					
10/2/2018	<0.0025					
11/1/2018	<0.0025					
12/6/2018	<0.0025					
2/13/2019	<0.0025					
3/16/2019			<0.0025	<0.0025		
3/27/2019			<0.0025 (D)	<0.0025 (D)		
4/3/2019			<0.0025 (D)	<0.0025 (D)		
4/16/2019			<0.0025	<0.0025		
5/3/2019			<0.0025	<0.0025		
5/14/2019			<0.0025	<0.0025		
5/29/2019			0.00019 (J)	<0.0025		
6/12/2019			<0.0025	<0.0025		
8/8/2019	<0.0025		<0.0025	<0.0025		
8/29/2019			0.0002 (J)	0.00023 (J)		
8/30/2019	0.00043 (J)					
3/17/2020	<0.0025		<0.0025	<0.0025		
7/13/2020		<0.0025				
7/21/2020					<0.0025	<0.0025
11/4/2020					<0.0025	<0.0025
11/9/2020			<0.0025			
11/20/2020	<0.0025	<0.0025		<0.0025		
3/8/2021	0.00076 (J)	0.00057 (J)			<0.0025	<0.0025
3/10/2021			<0.0025	<0.0025		
10/11/2021			<0.0025	<0.0025		
10/12/2021	<0.0025	<0.0025				
10/15/2021						<0.0025
10/20/2021					<0.0025	
4/4/2022			<0.0025	<0.0025		
4/5/2022	<0.0025	<0.0025				
4/7/2022					<0.0025	<0.0025
10/17/2022			<0.0025	<0.0025		
10/18/2022	<0.0025	<0.0025				
10/19/2022					<0.0025	<0.0025
3/7/2023			<0.0025			
3/10/2023					<0.0025	<0.0025
3/13/2023	<0.0025	<0.0025				
3/14/2023				<0.0025		
10/18/2023					<0.0025	<0.0025
10/21/2023	<0.0025	<0.0025	<0.0025	<0.0025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<0.0025		<0.0025
6/14/2018				<0.0025		<0.0025
7/24/2018				<0.0025		<0.0025
9/1/2018				<0.0025		<0.0025
10/1/2018				<0.0025		<0.0025
11/2/2018				<0.0025		<0.0025
12/7/2018				<0.0025		<0.0025
2/13/2019				<0.0025		<0.0025
3/16/2019			<0.0025			
3/27/2019			<0.0025			
4/3/2019			<0.0025			
4/15/2019			<0.0025			
5/2/2019			<0.0025			
5/14/2019			<0.0025			
5/28/2019			<0.0025			
6/12/2019			<0.0025			
8/8/2019			<0.0025	0.00061 (J)		<0.0025
8/30/2019			0.00019 (J)	0.00023 (J)		0.00018 (J)
3/16/2020			<0.0025	<0.0025		<0.0025
7/11/2020					<0.0025	
7/21/2020	<0.0025					
7/30/2020		<0.0025				
11/3/2020	<0.0025					
11/4/2020		<0.0025	<0.0025			
11/5/2020				<0.0025	<0.0025	<0.0025
3/8/2021	<0.0025	<0.0025	<0.0025	0.00018 (J)	<0.0025	
3/9/2021						<0.0025
10/12/2021			<0.0025	<0.0025	<0.0025	
10/15/2021		<0.0025				
10/20/2021	<0.0025					
10/21/2021						<0.0025
4/4/2022			<0.0025			
4/5/2022				<0.0025	<0.0025	<0.0025
4/7/2022	<0.0025	<0.0025				
10/17/2022			<0.0025	<0.0025		
10/18/2022					<0.0025	<0.0025
10/19/2022	<0.0025	<0.0025				
3/8/2023			<0.0025	<0.0025	<0.0025	<0.0025
3/10/2023	<0.0025	<0.0025				
10/18/2023	<0.0025	<0.0025				
10/19/2023			<0.0025	0.0003 (J)	<0.0025	<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		<0.0025				
4/25/2018				<0.0025		
6/14/2018		<0.0025		<0.0025		
7/24/2018		<0.0025		<0.0025		
9/1/2018		<0.0025		<0.0025		
10/1/2018		<0.0025				
10/2/2018				<0.0025		
11/2/2018		<0.0025		<0.0025		
12/6/2018		<0.0025		<0.0025		
2/13/2019		<0.0025		<0.0025		
8/9/2019		<0.0025		<0.0025		
8/30/2019		<0.0025		<0.0025		
3/16/2020		<0.0025				
3/17/2020				<0.0025		
7/13/2020	<0.0025					
7/14/2020			<0.0025			<0.0025
7/30/2020					<0.0025	
11/9/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
11/10/2020						<0.0025
3/9/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
3/10/2021						<0.0025
10/11/2021	<0.0025				<0.0025	
10/12/2021				<0.0025		
10/14/2021		<0.0025	<0.0025			<0.0025
4/5/2022	<0.0025		<0.0025			
4/6/2022		<0.0025		<0.0025	<0.0025	
4/7/2022						<0.0025
10/18/2022	<0.0025		<0.0025			
10/19/2022		<0.0025		<0.0025	<0.0025	<0.0025
3/8/2023	<0.0025	<0.0025	<0.0025			
3/9/2023				<0.0025	<0.0025	<0.0025
10/19/2023	<0.0025	<0.0025	<0.0025			
10/20/2023				<0.0025	<0.0025	<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		<0.0025	<0.0025		<0.0025
6/13/2018					<0.0025
6/14/2018		<0.0025	<0.0025		
7/23/2018			<0.0025		<0.0025
7/24/2018		<0.0025			
9/6/2018		<0.0025	<0.0025		<0.0025
10/2/2018		<0.0025	<0.0025		<0.0025
11/1/2018			<0.0025		<0.0025
11/2/2018		<0.0025			
12/6/2018		<0.0025	<0.0025		<0.0025
2/13/2019		<0.0025	<0.0025		<0.0025
4/5/2019	<0.0025 (D)				
4/15/2019	<0.0025				
5/2/2019	<0.0025				
5/14/2019	<0.0025				
5/29/2019	<0.0025				
6/12/2019	<0.0025				
6/19/2019	<0.0025				
6/25/2019	<0.0025				
8/8/2019					<0.0025
8/9/2019	<0.0025	<0.0025	<0.0025		
8/30/2019	0.00036 (J)	0.00025 (J)	0.00038 (J)		0.00049 (J)
3/17/2020	<0.0025	<0.0025	<0.0025		<0.0025
7/13/2020				<0.0025	
11/9/2020			<0.0025		
11/10/2020		<0.0025		<0.0025	
11/20/2020	<0.0025				<0.0025
3/8/2021					0.00024 (J)
3/9/2021	<0.0025	<0.0025	<0.0025	<0.0025	
10/12/2021		<0.0025		<0.0025	<0.0025
10/20/2021	<0.0025				
10/21/2021			<0.0025		
4/6/2022		<0.0025	<0.0025	<0.0025	<0.0025
4/7/2022	<0.0025				
10/18/2022		<0.0025	<0.0025	<0.0025	<0.0025
10/19/2022	<0.0025				
3/9/2023	<0.0025	<0.0025	0.0003 (J)	<0.0025	
3/13/2023					0.00027 (J)
10/20/2023	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	1.7					
6/13/2018	1.7					
7/23/2018	2					
9/1/2018	1.9					
10/2/2018	1.8					
11/1/2018	1.8					
12/6/2018	1.9					
2/13/2019	2.4					
3/16/2019			0.028 (J)	0.035 (J)		
3/27/2019			0.027 (JD)	0.033 (JD)		
4/3/2019			0.089 (D)	0.023 (JD)		
4/4/2019	1.8					
4/16/2019			<0.08	<0.08		
5/3/2019			<0.08	0.021 (J)		
5/14/2019			<0.08	<0.08		
5/29/2019			0.034 (J)	0.044 (J)		
6/12/2019			0.05 (J)	0.047 (J)		
8/29/2019			<0.08	<0.08		
8/30/2019	1.9					
3/17/2020	1.9		0.057 (J)	0.057 (J)		
7/13/2020		0.105				
7/21/2020					0.58	0.718
11/4/2020					0.88	0.85
11/9/2020			<0.08			
11/20/2020	1.8	0.22		0.098		
3/8/2021	1.8	0.14			0.63	0.71
3/10/2021			<0.08	0.046 (J)		
10/11/2021			0.053 (J)	0.045 (J)		
10/12/2021	1.9	0.14				
10/15/2021						0.78
10/20/2021					0.64	
4/4/2022			0.11	0.082		
4/5/2022	2.1	0.15				
4/7/2022					0.61	0.71
10/17/2022			<0.08	<0.08		
10/18/2022	2.4	0.21				
10/19/2022					0.66	0.75
3/7/2023			<0.08			
3/10/2023					0.66	0.69
3/13/2023	2.1	0.11				
3/14/2023				<0.08		
10/18/2023					0.62	0.77
10/21/2023	2.7	0.19 (J)	0.056 (J)	0.047 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				4.1		5.3
6/14/2018				4		5.1
7/24/2018				4.3		5.5
9/1/2018				4		4.9
10/1/2018				4		5
11/2/2018				3.5		4.6
12/7/2018				3.9		4.8
2/13/2019				4.4		6
3/16/2019			4.5			
3/27/2019			5.2			
4/3/2019			5.3			
4/5/2019				3.6		4.5
4/15/2019			5.9			
5/2/2019			5.3			
5/14/2019			5.5			
5/28/2019			5.7			
6/12/2019			4.4			
8/30/2019			6.2	3.7		5
3/16/2020			7.2	3.7		5.3
7/11/2020					0.0771	
7/21/2020	0.609					
7/30/2020		0.62				
11/3/2020	1.2					
11/4/2020		1.2	6.8			
11/5/2020				3.6	0.12	5.1
3/8/2021	0.59	0.6	7.3	3.5	0.094	
3/9/2021						5.5
10/12/2021			7.2	3.8	0.37	
10/15/2021		0.77				
10/20/2021	0.65					
10/21/2021						5.1
4/4/2022			6.6			
4/5/2022				3.7	0.11	6.3
4/7/2022	0.61	0.58				
10/17/2022			1.3	3.1		
10/18/2022					0.16	5.6
10/19/2022	0.73	0.71				
3/8/2023			5.3	3.6	0.11	5.7
3/10/2023	0.66	0.67				
10/18/2023	0.72	0.71				
10/19/2023			5	3.4	0.17 (J)	5

Time Series

Constituent: Boron (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		1.9				
4/25/2018				6.9		
6/14/2018		1.9		6.8		
7/24/2018		1.9		6.9		
9/1/2018		1.7		6.2		
10/1/2018		1.7				
10/2/2018				6.5		
11/2/2018		1.7		5.5		
12/6/2018		1.7		5.7		
2/13/2019		1.7		7.6		
4/4/2019				5.8		
4/5/2019		1.6				
8/30/2019		1.6		6.1		
3/16/2020		1.6				
3/17/2020				6.6		
7/13/2020	0.0613					
7/14/2020			3.55			0.0574
7/30/2020					0.0792	
11/9/2020	0.072 (J)	1.3	3.6	5.8	0.062 (J)	
11/10/2020						0.068 (J)
3/9/2021	0.099	1.2	3.3	6.1	0.083	
3/10/2021						0.076 (J)
10/11/2021	0.073 (J)				0.11	
10/12/2021				6.1		
10/14/2021		1.2	3.5			0.077
4/5/2022	0.091		4			
4/6/2022		1.1		5.8	0.086	
4/7/2022						0.089
10/18/2022	0.11		3.4			
10/19/2022		1.3		6.5	0.14	0.13
3/8/2023	0.13	0.89	3.9			
3/9/2023				6.6	0.083	0.11
10/19/2023	0.15 (J)	0.93	3.2			
10/20/2023				6	0.086 (J)	0.088 (J)

Time Series

Constituent: Boron (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		1	23		6.8
6/13/2018					6.6
6/14/2018		0.91	21		
7/23/2018			22		6.8
7/24/2018		1			
9/6/2018		1.1	21		6.5
10/2/2018		0.95	21		6.5
11/1/2018			19		5.6
11/2/2018		0.82			
12/6/2018		1.1	20		6.4
2/13/2019		0.95	27		8.4
4/4/2019		0.98	20		6.1
4/5/2019	8.9 (D)				
4/15/2019	10				
5/2/2019	10				
5/14/2019	9.3				
5/29/2019	9.5				
6/12/2019	11				
6/19/2019	9.5				
6/25/2019	11				
8/30/2019	11	0.88	19		7.1
3/17/2020	11	0.98	20		7.1
7/13/2020				0.042 (J)	
11/9/2020			21		
11/10/2020		0.94		0.076 (J)	
11/20/2020	9.5				6.5
3/8/2021					6.5
3/9/2021	12	0.91	21	0.095	
10/12/2021		1.2		0.077 (J)	6.7
10/20/2021	11				
10/21/2021			22		
4/6/2022		1.4	19	0.066 (J)	5.9
4/7/2022	10				
10/18/2022		1.2	23	0.14	7.1
10/19/2022	11				
3/9/2023	11	0.87	19	0.091	
3/13/2023					6.2
10/20/2023	13	1.1	21	0.049 (J)	7

Time Series

Constituent: Cadmium (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	<0.0025					
6/13/2018	<0.0025					
7/23/2018	<0.0025					
9/1/2018	<0.0025					
10/2/2018	<0.0025					
11/1/2018	<0.0025					
12/6/2018	<0.0025					
2/13/2019	<0.0025					
3/16/2019			<0.0025	<0.0025		
3/27/2019			<0.0025 (D)	<0.0025 (D)		
4/3/2019			<0.0025 (D)	<0.0025 (D)		
4/16/2019			<0.0025	<0.0025		
5/3/2019			<0.0025	<0.0025		
5/14/2019			<0.0025	<0.0025		
5/29/2019			<0.0025	<0.0025		
6/12/2019			<0.0025	<0.0025		
8/8/2019	<0.0025		<0.0025	<0.0025		
8/29/2019			<0.0025	<0.0025		
8/30/2019	<0.0025					
3/17/2020	<0.0025		<0.0025	<0.0025		
7/13/2020		<0.0025				
7/21/2020					<0.0025	<0.0025
11/4/2020					<0.0025	<0.0025
11/9/2020			<0.0025			
11/20/2020	<0.0025	<0.0025		<0.0025		
3/8/2021	0.00025 (J)	0.00025 (J)			<0.0025	<0.0025
3/10/2021			<0.0025	<0.0025		
10/11/2021			<0.0025	<0.0025		
10/12/2021	<0.0025	<0.0025				
10/15/2021						<0.0025
10/20/2021					<0.0025	
4/4/2022			<0.0025	<0.0025		
4/5/2022	<0.0025	<0.0025				
4/7/2022					<0.0025	<0.0025
10/17/2022			<0.0025	<0.0025		
10/18/2022	<0.0025	<0.0025				
10/19/2022					<0.0025	<0.0025
3/7/2023			<0.0025			
3/10/2023					<0.0025	<0.0025
3/13/2023	<0.0025	<0.0025				
3/14/2023				<0.0025		
10/18/2023					<0.0025	<0.0025
10/21/2023	<0.0025	<0.0025	<0.0025	<0.0025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<0.0025		<0.0025
6/14/2018				<0.0025		<0.0025
7/24/2018				<0.0025		<0.0025
9/1/2018				<0.0025		<0.0025
10/1/2018				<0.0025		<0.0025
11/2/2018				<0.0025		<0.0025
12/7/2018				<0.0025		<0.0025
2/13/2019				<0.0025		<0.0025
3/16/2019			<0.0025			
3/27/2019			<0.0025			
4/3/2019			<0.0025			
4/15/2019			0.00045 (J)			
5/2/2019			<0.0025			
5/14/2019			<0.0025			
5/28/2019			<0.0025			
6/12/2019			<0.0025			
8/8/2019			<0.0025	<0.0025		<0.0025
8/30/2019			<0.0025	<0.0025		<0.0025
3/16/2020			<0.0025	<0.0025		<0.0025
7/11/2020					<0.0025	
7/21/2020	<0.0025					
7/30/2020		0.000355 (J)				
11/3/2020	<0.0025					
11/4/2020		<0.0025	<0.0025			
11/5/2020				<0.0025	<0.0025	<0.0025
3/8/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
3/9/2021						<0.0025
10/12/2021			<0.0025	<0.0025	<0.0025	
10/15/2021		<0.0025				
10/20/2021	<0.0025					
10/21/2021						<0.0025
4/4/2022			<0.0025			
4/5/2022				<0.0025	<0.0025	<0.0025
4/7/2022	<0.0025	<0.0025				
10/17/2022			<0.0025	<0.0025		
10/18/2022					<0.0025	<0.0025
10/19/2022	<0.0025	<0.0025				
3/8/2023			<0.0025	<0.0025	<0.0025	<0.0025
3/10/2023	<0.0025	<0.0025				
10/18/2023	<0.0025	<0.0025				
10/19/2023			<0.0025	<0.0025	<0.0025	<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		<0.0025				
4/25/2018				<0.0025		
6/14/2018		<0.0025		<0.0025		
7/24/2018		<0.0025		<0.0025		
9/1/2018		<0.0025		<0.0025		
10/1/2018		<0.0025				
10/2/2018				<0.0025		
11/2/2018		<0.0025		<0.0025		
12/6/2018		<0.0025		<0.0025		
2/13/2019		<0.0025		<0.0025		
8/9/2019		<0.0025		<0.0025		
8/30/2019		<0.0025		<0.0025		
3/16/2020		<0.0025				
3/17/2020				<0.0025		
7/13/2020	<0.0025					
7/14/2020			<0.0025			<0.0025
7/30/2020					<0.0025	
11/9/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
11/10/2020						<0.0025
3/9/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
3/10/2021						<0.0025
10/11/2021	<0.0025				<0.0025	
10/12/2021				<0.0025		
10/14/2021		<0.0025	<0.0025			<0.0025
4/5/2022	<0.0025		<0.0025			
4/6/2022		<0.0025		<0.0025	<0.0025	
4/7/2022						<0.0025
10/18/2022	<0.0025		<0.0025			
10/19/2022		<0.0025		<0.0025	<0.0025	<0.0025
3/8/2023	<0.0025	<0.0025	<0.0025			
3/9/2023				<0.0025	<0.0025	<0.0025
10/19/2023	<0.0025	<0.0025	<0.0025			
10/20/2023				<0.0025	<0.0025	<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		<0.0025	<0.0025		<0.0025
6/13/2018					<0.0025
6/14/2018		<0.0025	<0.0025		
7/23/2018			<0.0025		<0.0025
7/24/2018		<0.0025			
9/6/2018		<0.0025	<0.0025		<0.0025
10/2/2018		<0.0025	<0.0025		<0.0025
11/1/2018			<0.0025		<0.0025
11/2/2018		<0.0025			
12/6/2018		<0.0025	<0.0025		<0.0025
2/13/2019		<0.0025	<0.0025		<0.0025
4/5/2019	<0.0025 (D)				
4/15/2019	<0.0025				
5/2/2019	<0.0025				
5/14/2019	<0.0025				
5/29/2019	<0.0025				
6/12/2019	<0.0025				
6/19/2019	<0.0025				
6/25/2019	<0.0025				
8/8/2019					<0.0025
8/9/2019	0.00014 (J)	<0.0025	<0.0025		
8/30/2019	0.00026 (J)	<0.0025	<0.0025		<0.0025
3/17/2020	<0.0025	<0.0025	<0.0025		<0.0025
7/13/2020				<0.0025	
11/9/2020			<0.0025		
11/10/2020		<0.0025		<0.0025	
11/20/2020	<0.0025				<0.0025
3/8/2021					<0.0025
3/9/2021	<0.0025	<0.0025	<0.0025	<0.0025	
10/12/2021		<0.0025		<0.0025	<0.0025
10/20/2021	<0.0025				
10/21/2021			<0.0025		
4/6/2022		<0.0025	<0.0025	<0.0025	<0.0025
4/7/2022	<0.0025				
10/18/2022		<0.0025	<0.0025	<0.0025	<0.0025
10/19/2022	<0.0025				
3/9/2023	<0.0025	<0.0025	<0.0025	<0.0025	
3/13/2023					<0.0025
10/20/2023	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	68					
6/13/2018	79					
7/23/2018	73					
9/1/2018	68					
10/2/2018	71					
11/1/2018	67					
12/6/2018	65					
2/13/2019	64					
3/16/2019			17	13		
3/27/2019			16 (D)	15 (D)		
4/3/2019			15 (D)	13 (D)		
4/4/2019	80					
4/16/2019			13	12		
5/3/2019			12	13		
5/14/2019			14	13		
5/29/2019			7	15		
6/12/2019			13	14		
8/29/2019			9.4	12		
8/30/2019	53					
3/17/2020	59		9.8	12		
7/13/2020		2.62				
7/21/2020					97.7	127
11/4/2020					110	120
11/9/2020			11			
11/20/2020	53	2.9		12		
3/8/2021	47	3.4			92	110
3/10/2021			12	12		
10/11/2021			11	12		
10/12/2021	52	3.6				
10/15/2021						110
10/20/2021					97	
4/4/2022			11	12		
4/5/2022	42	2.5				
4/7/2022					96	110
10/17/2022			9.5	10		
10/18/2022	46	2.7				
10/19/2022					100	110
3/7/2023			9.7			
3/10/2023					91	110
3/13/2023	46	<0.5				
3/14/2023				12		
10/18/2023					87	130
10/21/2023	44	2.7	10	12		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				310		320
6/14/2018				360		310
7/24/2018				370		360
9/1/2018				390		320
10/1/2018				380		360
11/2/2018				320		310
12/7/2018				330		320
2/13/2019				320		300
3/16/2019			130			
3/27/2019			140			
4/3/2019			140			
4/5/2019				310		290
4/15/2019			130			
5/2/2019			130			
5/14/2019			140			
5/28/2019			150			
6/12/2019			130			
8/30/2019			160	340		320
3/16/2020			200	350		310
7/11/2020					3.66	
7/21/2020	81.7					
7/30/2020		99.2				
11/3/2020	120					
11/4/2020		130	200			
11/5/2020				350	4.6	370
3/8/2021	69	69	210	350	3.6	
3/9/2021						350
10/12/2021			200	360	4.1	
10/15/2021		75				
10/20/2021	68 (D)					
10/21/2021						350 (D)
4/4/2022			200			
4/5/2022				380	3.3	330
4/7/2022	64	67				
10/17/2022			200	360		
10/18/2022					2.6	310
10/19/2022	65	82				
3/8/2023			190	370	2.8	320
3/10/2023	60	57				
10/18/2023	61	73				
10/19/2023			180	340	2.8	270

Time Series

Constituent: Calcium (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		190				
4/25/2018				350		
6/14/2018		200		340		
7/24/2018		210		340		
9/1/2018		220		360		
10/1/2018		210				
10/2/2018				310		
11/2/2018		190		310		
12/6/2018		190		330		
2/13/2019		180		310		
4/4/2019				270		
4/5/2019		170				
8/30/2019		170		320		
3/16/2020		170				
3/17/2020				330		
7/13/2020	5.41					
7/14/2020			220			6.42
7/30/2020					1.34	
11/9/2020	10	160	220	330	1.7	
11/10/2020						8.1
3/9/2021	13	160	240	340	1.5	
3/10/2021						5.3
10/11/2021	11				1.3	
10/12/2021				310		
10/14/2021		150	240			6.1
4/5/2022	10		230			
4/6/2022		130		320	1.2	
4/7/2022						10
10/18/2022	13		260			
10/19/2022		140		340	3.5	6
3/8/2023	10	120	230			
3/9/2023				310	1.1	12
10/19/2023	13	97	200			
10/20/2023				290	1.1 (J)	13

Time Series

Constituent: Calcium (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		93	560		320
6/13/2018					300
6/14/2018		110	490		
7/23/2018			520		320
7/24/2018		100			
9/6/2018		98	510		310
10/2/2018		93	470		290
11/1/2018			460		280
11/2/2018		110			
12/6/2018		94	490		310
2/13/2019		95	470		300
4/4/2019		98	440		270
4/5/2019	440 (D)				
4/15/2019	390				
5/2/2019	400				
5/14/2019	420				
5/29/2019	450				
6/12/2019	440				
6/19/2019	450				
6/25/2019	450				
8/30/2019	460	90	460		310
3/17/2020	420	110	470		310
7/13/2020				10.5	
11/9/2020			470		
11/10/2020		99		13	
11/20/2020	420				290
3/8/2021					300
3/9/2021	460	120	480	13	
10/12/2021		84		9.4	300
10/20/2021	400 (D)				
10/21/2021			495 (D)		
4/6/2022		110	460	7.7	300
4/7/2022	390				
10/18/2022		100	520	6.1	330
10/19/2022	400				
3/9/2023	370	110	470	6.6	
3/13/2023					300
10/20/2023	320	100	490	5.4	250

Time Series

Constituent: Chloride (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	1300					
6/13/2018	1400					
7/23/2018	1200					
9/1/2018	1400					
10/2/2018	1400					
11/1/2018	1300					
12/6/2018	1300					
2/13/2019	1200					
3/16/2019			9.3	14		
3/27/2019			8.2 (D)	15 (D)		
4/3/2019			8.7 (D)	15 (D)		
4/4/2019	1200					
4/16/2019			8.7	14		
5/3/2019			9.3	15		
5/14/2019			8.8	15		
5/29/2019			8.8	14		
6/12/2019			8.8	15		
8/29/2019			8.1	14		
8/30/2019	1200					
3/17/2020	1100		8.2	14		
7/13/2020		4.73				
7/21/2020					1470	2920
11/4/2020					5400	3100
11/9/2020			9.1			
11/20/2020	1000	4.6		16		
3/8/2021	920	4.3			1600	3000
3/10/2021			8.9	15		
10/11/2021			8.9	15		
10/12/2021	860	4.2				
10/15/2021						2800
10/20/2021					3400	
4/4/2022			8.4	14		
4/5/2022	760	4.1				
4/7/2022					1400	2900
10/17/2022			7.5	13		
10/18/2022	680	4.3				
10/19/2022					1400	2900
3/7/2023			7.7			
3/10/2023					1300	2700
3/13/2023	620	5				
3/14/2023				14		
10/18/2023					1300	3200
10/21/2023	630	4	9	13		

Time Series

Constituent: Chloride (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				2800		11000
6/14/2018				2700		11000
7/24/2018				2800		11000
9/1/2018				2800		10000
10/1/2018				2800		11000
11/2/2018				2700		11000
12/7/2018				2700		12000
2/13/2019				2800		9800
3/16/2019			1900			
3/27/2019			1900			
4/3/2019			1900			
4/5/2019				2600		9900
4/15/2019			1900			
5/2/2019			1900			
5/14/2019			2000			
5/28/2019			1900			
6/12/2019			2000			
8/30/2019			2100	2500		9800
3/16/2020			2600	2500		10000
7/11/2020					5.74	
7/21/2020	2910					
7/30/2020		2830				
11/3/2020	4900					
11/4/2020		4700	4700			
11/5/2020				5100	5.4	9600
3/8/2021	2900	2600	2500	2500	5.1	
3/9/2021						10000
10/12/2021			2300	2400	4.6	
10/15/2021		3100				
10/20/2021	4100 (D)					
10/21/2021						9400 (D)
4/4/2022			2500			
4/5/2022				2600	4.9	9300
4/7/2022	3000	3100				
10/17/2022			2400	2500		
10/18/2022					4.4	8500
10/19/2022	2700	3000				
3/8/2023			2300	2400	4.7	8800
3/10/2023	2800	2600				
10/18/2023	2900	3200				
10/19/2023			2300	6900	5.2	8800

Time Series

Constituent: Chloride (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		4000				
4/25/2018				8500		
6/14/2018		4000		8700		
7/24/2018		3900		8700		
9/1/2018		4200		8900		
10/1/2018		4200				
10/2/2018				9300		
11/2/2018		4000		8900		
12/6/2018		4000		9000		
2/13/2019		3800		8600		
4/4/2019				8600		
4/5/2019		3900				
8/30/2019		3600		8700		
3/16/2020		3400				
3/17/2020				8900		
7/13/2020	6.04					
7/14/2020			9830			10.5
7/30/2020					10.2	
11/9/2020	<1	3200	9300	9400	9.4	
11/10/2020						10
3/9/2021	49	3100	9100	8700	8.5	
3/10/2021						8.6
10/11/2021	17				7.5	
10/12/2021				8300		
10/14/2021		2900	8400			10
4/5/2022	15		8200			
4/6/2022		2800		8400	8.2	
4/7/2022						19
10/18/2022	23		8400			
10/19/2022		2500		8200	64	11
3/8/2023	16	2400	7800			
3/9/2023				7800	7.4	20
10/19/2023	24	2100	3100			
10/20/2023				7300	7.2	26

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chloride (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		3900	3400		2800
6/13/2018					3100
6/14/2018		4100	3600		
7/23/2018			3500		3000
7/24/2018		3900			
9/6/2018		4000	3600		3000
10/2/2018		4000	3800		3100
11/1/2018			3600		3000
11/2/2018		3800			
12/6/2018		4300	3700		3100
2/13/2019		4200	3500		3000
4/4/2019		3700	3500		3100
4/5/2019	4000 (D)				
4/15/2019	3400				
5/2/2019	4100				
5/14/2019	4200				
5/29/2019	4200				
6/12/2019	4200				
6/19/2019	4000				
6/25/2019	4000				
8/30/2019	4100	4000	3400		2800
3/17/2020	6000	4600	3700		3100
7/13/2020				9.1	
11/9/2020			3600		
11/10/2020		4200		9	
11/20/2020	4300				3100
3/8/2021					3100
3/9/2021	4000	4600	3600	8.2	
10/12/2021		3800		10	3000
10/20/2021	4050 (D)				
10/21/2021			3550 (D)		
4/6/2022		4200	3400	7.3	2900
4/7/2022	3900				
10/18/2022		4000	3300	6.1	2900
10/19/2022	4000				
3/9/2023	3700	4200	3300	6.7	
3/13/2023					2900
10/20/2023	3300	3900	3400	7.2	2900

Time Series

Constituent: Chromium (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	<0.002					
6/13/2018	<0.002					
7/23/2018	<0.002					
9/1/2018	<0.002					
10/2/2018	<0.002					
11/1/2018	<0.002					
12/6/2018	<0.002					
2/13/2019	<0.002					
3/16/2019			<0.002	<0.002		
3/27/2019			<0.002 (D)	<0.002 (D)		
4/3/2019			<0.002 (D)	<0.002 (D)		
4/16/2019			<0.002	<0.002		
5/3/2019			<0.002	<0.002		
5/14/2019			<0.002	<0.002		
5/29/2019			<0.002	<0.002		
6/12/2019			0.0022	0.0022		
8/8/2019	<0.002		<0.002	<0.002		
7/13/2020		<0.002				
7/21/2020					<0.002	<0.002
11/4/2020					<0.002	<0.002
11/9/2020			<0.002			
11/20/2020	<0.002	<0.002		<0.002		
3/8/2021	<0.002	<0.002			<0.002	<0.002
3/10/2021			0.0044	<0.002		
10/11/2021			<0.002	<0.002		
10/12/2021	<0.002	<0.002				
10/15/2021						<0.002
10/20/2021					<0.002	
4/4/2022			<0.002	<0.002		
4/5/2022	<0.002	<0.002				
4/7/2022					<0.002	<0.002
10/17/2022			<0.002	<0.002		
10/18/2022	<0.002	<0.002				
10/19/2022					<0.002	<0.002
3/7/2023			<0.002			
3/10/2023					<0.002	<0.002
3/13/2023	<0.002	<0.002				
3/14/2023				<0.002		
10/18/2023					0.0014 (J)	<0.002
10/21/2023	<0.002	<0.002	<0.002	<0.002		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<0.002		<0.002
6/14/2018				<0.002		<0.002
7/24/2018				<0.002		<0.002
9/1/2018				<0.002		0.0014 (J)
10/1/2018				<0.002		<0.002
11/2/2018				<0.002		<0.002
12/7/2018				<0.002		<0.002
2/13/2019				<0.002		<0.002
3/16/2019			<0.002			
3/27/2019			<0.002			
4/3/2019			<0.002			
4/15/2019			<0.002			
5/2/2019			<0.002			
5/14/2019			<0.002			
5/28/2019			<0.002			
6/12/2019			0.0032			
8/8/2019			<0.002	<0.002		<0.002
7/11/2020					0.00157 (J)	
7/21/2020	0.00152 (J)					
7/30/2020		<0.002				
11/3/2020	<0.002					
11/4/2020		<0.002	<0.002			
11/5/2020				<0.002	<0.002	<0.002
3/8/2021	<0.002	<0.002	<0.002	<0.002	<0.002	
3/9/2021						<0.002
10/12/2021			<0.002	<0.002	<0.002	
10/15/2021		<0.002				
10/20/2021	<0.002					
10/21/2021						<0.002
4/4/2022			<0.002			
4/5/2022				<0.002	<0.002	<0.002
4/7/2022	<0.002	<0.002				
10/17/2022			<0.002	<0.002		
10/18/2022					<0.002	<0.002
10/19/2022	0.0015 (J)	0.0018 (J)				
3/8/2023			<0.002	<0.002	<0.002	<0.002
3/10/2023	0.0015 (J)	<0.002				
10/18/2023	0.0021 (J)	0.0037 (J)				
10/19/2023			<0.002	<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		0.0016 (J)				
4/25/2018				0.0013 (J)		
6/14/2018		0.002 (J)		0.0012 (J)		
7/24/2018		0.0022 (J)		<0.002		
9/1/2018		0.0025		0.0024 (J)		
10/1/2018		0.0028				
10/2/2018				0.0015 (J)		
11/2/2018		0.0026		0.0014 (J)		
12/6/2018		0.0012 (J)		<0.002		
2/13/2019		0.0013 (J)		<0.002		
8/9/2019		<0.002		<0.002		
7/13/2020	<0.002					
7/14/2020			<0.002			<0.002
7/30/2020					0.00378	
11/9/2020	<0.002	<0.002	<0.002	<0.002	0.0019 (J)	
11/10/2020						<0.002
3/9/2021	<0.002	<0.002	<0.002	<0.002	<0.002	
3/10/2021						<0.002
10/11/2021	<0.002				<0.002	
10/12/2021				<0.002		
10/14/2021		<0.002	<0.002			<0.002
4/5/2022	<0.002		<0.002			
4/6/2022		<0.002		<0.002	<0.002	
4/7/2022						<0.002
10/18/2022	<0.002		<0.002			
10/19/2022		0.0021		<0.002	<0.002	<0.002
3/8/2023	<0.002	<0.002	<0.002			
3/9/2023				<0.002	<0.002	<0.002
10/19/2023	<0.002	0.0017 (J)	<0.002			
10/20/2023				0.0012 (J)	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		0.0014 (J)	<0.002		<0.002
6/13/2018					<0.002
6/14/2018		0.0014 (J)	0.0032		
7/23/2018			<0.002		<0.002
7/24/2018		0.0014 (J)			
9/6/2018		0.0017 (J)	0.0014 (J)		<0.002
10/2/2018		0.0013 (J)	<0.002		<0.002
11/1/2018			<0.002		<0.002
11/2/2018		0.0014 (J)			
12/6/2018		<0.002	<0.002		<0.002
2/13/2019		<0.002	<0.002		<0.002
4/5/2019	<0.002 (D)				
4/15/2019	<0.002				
5/2/2019	<0.002				
5/14/2019	<0.002				
5/29/2019	<0.002				
6/12/2019	<0.002				
6/19/2019	<0.002				
6/25/2019	<0.002				
8/8/2019					<0.002
8/9/2019	<0.002	<0.002	<0.002		
7/13/2020				<0.002	
11/9/2020			<0.002		
11/10/2020		<0.002		<0.002	
11/20/2020	<0.002				<0.002
3/8/2021					<0.002
3/9/2021	<0.002	0.0022	<0.002	<0.002	
10/12/2021		<0.002		<0.002	<0.002
10/20/2021	<0.002				
10/21/2021			<0.002		
4/6/2022		<0.002	<0.002	<0.002	<0.002
4/7/2022	<0.002				
10/18/2022		<0.002	<0.002	<0.002	<0.002
10/19/2022	<0.002				
3/9/2023	<0.002	<0.002	<0.002	<0.002	
3/13/2023					<0.002
10/20/2023	<0.002	<0.002	<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	<0.0025					
6/13/2018	<0.0025					
7/23/2018	<0.0025					
9/1/2018	<0.0025					
10/2/2018	<0.0025					
11/1/2018	<0.0025					
12/6/2018	<0.0025					
2/13/2019	<0.0025					
3/16/2019			<0.0025	<0.0025		
3/27/2019			<0.0025 (D)	<0.0025 (D)		
4/3/2019			<0.0025 (D)	<0.0025 (D)		
4/16/2019			<0.0025	<0.0025		
5/3/2019			<0.0025	<0.0025		
5/14/2019			<0.0025	<0.0025		
5/29/2019			<0.0025	<0.0025		
6/12/2019			<0.0025	<0.0025		
8/8/2019	0.00012 (J)		<0.0025	<0.0025		
8/29/2019			<0.0025	<0.0025		
8/30/2019	8.2E-05 (J)					
3/17/2020	<0.0025		<0.0025	<0.0025		
7/13/2020		<0.0025				
7/21/2020					<0.0025	<0.0025
11/4/2020					<0.0025	<0.0025
11/9/2020			0.00022 (J)			
11/20/2020	<0.0025	<0.0025		<0.0025		
3/8/2021	0.00033 (J)	0.00028 (J)			<0.0025	<0.0025
3/10/2021			0.00031 (J)	<0.0025		
10/11/2021			0.00044 (J)	<0.0025		
10/12/2021	<0.0025	<0.0025				
10/15/2021						<0.0025
10/20/2021					<0.0025	
4/4/2022			0.00063 (J)	<0.0025		
4/5/2022	<0.0025	<0.0025				
4/7/2022					<0.0025	<0.0025
10/17/2022			0.00055 (J)	<0.0025		
10/18/2022	<0.0025	<0.0025				
10/19/2022					<0.0025	<0.0025
3/7/2023			0.00041 (J)			
3/10/2023					<0.0025	<0.0025
3/13/2023	<0.0025	<0.0025				
3/14/2023				<0.0025		
10/18/2023					<0.0025	<0.0025
10/21/2023	<0.0025	<0.0025	<0.0025	<0.0025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<0.0025		0.0026
6/14/2018				<0.0025		0.0023 (J)
7/24/2018				<0.0025		0.0026
9/1/2018				<0.0025		0.0023 (J)
10/1/2018				<0.0025		0.0028
11/2/2018				<0.0025		0.0027
12/7/2018				<0.0025		0.0028
2/13/2019				<0.0025		0.0028
3/16/2019			0.00057 (J)			
3/27/2019			0.00044 (J)			
4/3/2019			0.0004 (J)			
4/15/2019			0.00042 (J)			
5/2/2019			<0.0025			
5/14/2019			0.00044 (J)			
5/28/2019			<0.0025			
6/12/2019			0.00037 (J)			
8/8/2019			0.00017 (J)	<0.0025		0.0019
8/30/2019			0.00017 (J)	<0.0025		0.0025
3/16/2020			<0.0025	<0.0025		0.0022
7/11/2020					<0.0025	
7/21/2020	<0.0025					
7/30/2020		<0.0025				
11/3/2020	<0.0025					
11/4/2020		<0.0025	<0.0025			
11/5/2020				<0.0025	<0.0025	0.003
3/8/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
3/9/2021						0.0034
10/12/2021			<0.0025	<0.0025	<0.0025	
10/15/2021		0.00016 (J)				
10/20/2021	<0.0025					
10/21/2021						0.004
4/4/2022			<0.0025			
4/5/2022				<0.0025	<0.0025	0.0037
4/7/2022	<0.0025	<0.0025				
10/17/2022			<0.0025	<0.0025		
10/18/2022					<0.0025	0.003
10/19/2022	<0.0025	<0.0025				
3/8/2023			<0.0025	<0.0025	<0.0025	0.0023 (J)
3/10/2023	<0.0025	<0.0025				
10/18/2023	<0.0025	<0.0025				
10/19/2023			<0.0025	<0.0025	<0.0025	0.0023 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		0.0033				
4/25/2018				<0.0025		
6/14/2018		0.0032		<0.0025		
7/24/2018		0.0036		<0.0025		
9/1/2018		0.0039		<0.0025		
10/1/2018		0.0029				
10/2/2018				<0.0025		
11/2/2018		0.0034		<0.0025		
12/6/2018		0.0032		<0.0025		
2/13/2019		0.0043		<0.0025		
8/9/2019		0.0034		7.5E-05 (J)		
8/30/2019		0.0034		7.9E-05 (J)		
3/16/2020		0.0039				
3/17/2020				<0.0025		
7/13/2020	<0.0025					
7/14/2020			0.00381			<0.0025
7/30/2020					0.0011 (J)	
11/9/2020	0.00021 (J)	0.0037	0.0031	<0.0025	0.00071 (J)	
11/10/2020						<0.0025
3/9/2021	<0.0025	0.0041	0.0023 (J)	<0.0025	0.00041 (J)	
3/10/2021						0.00021 (J)
10/11/2021	<0.0025				0.0003 (J)	
10/12/2021				<0.0025		
10/14/2021		0.0032	0.0037			<0.0025
4/5/2022	<0.0025		0.0055			
4/6/2022		0.0034		<0.0025	0.00033 (J)	
4/7/2022						<0.0025
10/18/2022	<0.0025		0.0056			
10/19/2022		0.0021 (J)		<0.0025	0.00027 (J)	<0.0025
3/8/2023	<0.0025	0.003	0.0062			
3/9/2023				<0.0025	0.00034 (J)	<0.0025
10/19/2023	<0.0025	0.0026 (J)	0.0072 (J)			
10/20/2023				<0.0025	0.00037 (J)	<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		<0.0025	<0.0025		<0.0025
6/13/2018					<0.0025
6/14/2018		<0.0025	<0.0025		
7/23/2018			<0.0025		<0.0025
7/24/2018		<0.0025			
9/6/2018		0.00043 (J)	<0.0025		<0.0025
10/2/2018		<0.0025	<0.0025		<0.0025
11/1/2018			<0.0025		<0.0025
11/2/2018		<0.0025			
12/6/2018		<0.0025	<0.0025		<0.0025
2/13/2019		<0.0025	<0.0025		<0.0025
4/5/2019	0.0049 (D)				
4/15/2019	0.0045				
5/2/2019	0.0012 (J)				
5/14/2019	0.0024 (J)				
5/29/2019	0.0022 (J)				
6/12/2019	0.002 (J)				
6/19/2019	0.004 (J)				
6/25/2019	0.0014 (J)				
8/8/2019					8.4E-05 (J)
8/9/2019	0.0022	0.00025 (J)	<0.0025		
8/30/2019	0.0039	0.00023 (J)	<0.0025		8.9E-05 (J)
3/17/2020	0.0029	0.00024 (J)	<0.0025		<0.0025
7/13/2020				0.00121 (J)	
11/9/2020			<0.0025		
11/10/2020		0.00024 (J)		<0.0025	
11/20/2020	0.0024 (J)				<0.0025
3/8/2021					<0.0025
3/9/2021	0.0017 (J)	0.00025 (J)	<0.0025	<0.0025	
10/12/2021		0.00028 (J)		<0.0025	<0.0025
10/20/2021	0.0032				
10/21/2021			<0.0025		
4/6/2022		<0.0025	<0.0025	<0.0025	<0.0025
4/7/2022	0.0028				
10/18/2022		0.00033 (J)	<0.0025	<0.0025	<0.0025
10/19/2022	0.0028				
3/9/2023	0.0025	<0.0025	<0.0025	<0.0025	
3/13/2023					<0.0025
10/20/2023	0.0031 (J)	0.00029 (J)	<0.0025	<0.0025	<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	2.66					
6/13/2018	2.91					
7/23/2018	3.49					
9/1/2018	3.15					
10/2/2018	3.38					
11/1/2018	2.19					
12/6/2018	2.69					
2/13/2019	2.97					
3/16/2019			0.421	0.765		
3/27/2019			0.499	0.306 (U)		
4/3/2019			0.526	1.12		
4/16/2019			0.73	0.447		
5/3/2019			0.32 (U)	0.357		
5/14/2019			0.431 (U)	0.342 (U)		
5/29/2019			0.205 (U)	0.519 (U)		
6/12/2019			<5	<5		
8/8/2019	2.16		0.535	0.262 (U)		
8/29/2019			0.19 (U)	0.253 (U)		
8/30/2019	2.19					
3/17/2020	2.94		0.596	0.703		
7/13/2020		0.272 (U)				
7/21/2020					2.72	4.86
11/4/2020					1.59	3.79
11/9/2020			0.0786 (U)			
11/20/2020	3.47	-0.129 (U)		0.199 (U)		
3/8/2021	2.86	0.73			3.18	5.04
3/10/2021			0.389	0.594		
10/11/2021			0.645	0.994		
10/12/2021	3.57	0.769				
10/15/2021						3.57
10/20/2021					2.8	
4/4/2022			0.478	0.74		
4/5/2022	3.1	0.594				
4/7/2022					2.12	4.53
10/17/2022			0.184 (U)	0.971		
10/18/2022	4.61	0.815				
10/19/2022					3.37	5.71
3/7/2023			0.316 (U)			
3/10/2023					3.24	4.94
3/13/2023	2.92	0.18 (U)				
3/14/2023				0.228 (U)		
10/18/2023					3.67	6.7
10/21/2023	4.21	0.491 (U)	0.22 (U)	0.502		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				21.8		5.84
6/14/2018				20.9		6.37
7/24/2018				19.2		7.22
9/1/2018				17.5		5.46
10/1/2018				19.9		8.54
11/2/2018				17.4		6.02
12/7/2018				18.5		6.26
2/13/2019				19.2		6.67
3/16/2019			5.87			
3/27/2019			6.56			
4/3/2019			7.03			
4/15/2019			6.75			
5/2/2019			6.82			
5/14/2019			6.96			
5/28/2019			4.12			
6/12/2019			8.8			
8/8/2019			7.52	18.7		6.41
8/30/2019			7.98	16.5		5.45
3/16/2020			10.6	18.8		6.5
7/11/2020					0.179 (U)	
7/21/2020	3.28					
7/30/2020		2.38				
11/3/2020	1.39					
11/4/2020		1.53	8.99			
11/5/2020				15.3	0.158 (U)	5.33
3/8/2021	1.91	2.54	14.2	21.4	0.164 (U)	
3/9/2021						2.68
10/12/2021			12	20.6	-0.0129 (U)	
10/15/2021		1.83				
10/20/2021	1.49					
10/21/2021						5.6
4/4/2022			12.5			
4/5/2022				17.4	0.117 (U)	7.45
4/7/2022	1.49	1.88				
10/17/2022			14	19.1		
10/18/2022					1.7	6.3
10/19/2022	2.13	3.02				
3/8/2023			13.5	20.4	0.0718 (U)	5.77
3/10/2023	1.59	0.722 (U)				
10/18/2023	1.69	1.5				
10/19/2023			13.9	22.1	0.508	6.55

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		2.4				
4/25/2018				3.67		
6/14/2018		2.5		4.18		
7/24/2018		3.01		4.95		
9/1/2018		2.3		4.44		
10/1/2018		3.49				
10/2/2018				4.79		
11/2/2018		1.94		4		
12/6/2018		2.68		5.01		
2/13/2019		2.05		4.53		
8/9/2019		2.09		3.81		
8/30/2019		1.24		2.82		
3/16/2020		1.71				
3/17/2020				4.23		
7/13/2020	0.857					
7/14/2020			9.33			0.591
7/30/2020					0.29 (UD)	
11/9/2020	0.501	2	6.03	3.42	0.381 (U)	
11/10/2020						0.113 (U)
3/9/2021	0.605	2.08	8.34	4.01	0.24 (U)	
3/10/2021						0.186 (U)
10/11/2021	1.6				0.194 (U)	
10/12/2021				3.74		
10/14/2021		2.56	8.45			1.24
4/5/2022	0.853		7.09			
4/6/2022		1.71		5.09	0.644	
4/7/2022						0.752
10/18/2022	1.07		8.32			
10/19/2022		1.61		4.24	0.259 (U)	0.7
3/8/2023	0.636	1.78	9.4			
3/9/2023				2.58	-0.134 (U)	0.833
10/19/2023	0.63	1.75	8.81			
10/20/2023				3.9	0.512 (U)	0.515

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		5.8	3.26		6.49
6/13/2018					6.43
6/14/2018		5.94	3.41		
7/23/2018			4.02		6.82
7/24/2018		6.56			
9/6/2018		7.39	3.86		7.4
10/2/2018		8.19	4.63		7.43
11/1/2018			3.37		6.67
11/2/2018		5.87			
12/6/2018		6.64	3.92		6.92
2/13/2019		6.19	3.66		6.91
4/5/2019	2.85				
4/15/2019	3.24				
5/2/2019	3				
5/14/2019	3.2				
5/29/2019	2.88				
6/12/2019	3.04				
6/19/2019	3.59				
6/25/2019	3.61				
8/8/2019					6.71
8/9/2019	3.14	6.86	3.52		
8/30/2019	2.52	6.63	3.96		7.32
3/17/2020	3.16	5.37	3.43		7.36
7/13/2020				0.898	
11/9/2020			2.55		
11/10/2020		6.91		0.293 (U)	
11/20/2020	3.32				8.11
3/8/2021					9.26
3/9/2021	0.234 (U)	2.66	3.52	-0.149 (U)	
10/12/2021		7.77		1.07	8.92
10/20/2021	2.8				
10/21/2021			4.05		
4/6/2022		6.15	4.27	0.565	6.93
4/7/2022	3.12				
10/18/2022		9.51	5.83	1.12	9.03
10/19/2022	3.45				
3/9/2023	2.37	4.77	5.27	0.353 (U)	
3/13/2023					7.57
10/20/2023	2.85	7.61	5.63	0.891	8.1

Time Series

Constituent: Fluoride (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	0.69					
6/13/2018	0.64					
7/23/2018	0.76					
9/1/2018	0.81					
10/2/2018	0.78					
11/1/2018	0.88					
12/6/2018	0.75					
2/13/2019	0.72					
3/16/2019			0.047 (J)	0.041 (J)		
3/27/2019			<0.2 (D)	0.49 (D)		
4/3/2019			<0.2 (D)	0.086 (JD)		
4/4/2019	0.63					
4/16/2019			0.034 (J)	0.055 (J)		
5/3/2019			0.042 (J)	0.058 (J)		
5/14/2019			0.039 (J)	0.071 (J)		
5/29/2019			<0.2	0.042 (J)		
6/12/2019			<0.2	0.037 (J)		
8/8/2019	0.58		0.051 (J)	0.072 (J)		
8/29/2019			0.061 (J)	0.065 (J)		
8/30/2019	0.5					
3/17/2020	0.38		<0.2	0.036 (J)		
7/13/2020		0.24				
7/21/2020					0.09 (J)	0.07 (J)
11/4/2020					0.24 (J)	<0.2
11/9/2020			<0.2			
11/20/2020	0.81	0.13 (J)		<0.2		
3/8/2021	0.66	0.23			0.17 (J)	<0.2
3/10/2021			0.056 (J)	0.052 (J)		
10/11/2021			0.041 (J)	0.079 (J)		
10/12/2021	0.66	0.22				
10/15/2021						0.19 (J)
10/20/2021					0.14 (J)	
4/4/2022			0.062 (J)	0.051 (J)		
4/5/2022	0.82	0.19 (J)				
4/7/2022					0.39 (J)	<0.2
10/17/2022			<0.2	<0.2		
10/18/2022	0.68	0.18 (J)				
10/19/2022					0.034 (J)	<0.2
3/7/2023			0.051 (J)			
3/10/2023					0.064 (J)	0.094 (J)
3/13/2023	0.87	0.19 (J)				
3/14/2023				0.045 (J)		
10/18/2023					0.11 (J)	0.076 (J)
10/21/2023	0.58	0.16 (J)	0.048 (J)	0.048 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				0.06 (J)		0.33
6/14/2018				0.06 (J)		0.37
7/24/2018				0.07 (J)		0.42
9/1/2018				0.08 (J)		0.45
10/1/2018				0.07 (J)		0.39
11/2/2018				0.08 (J)		0.42
12/7/2018				4.3 (o)		0.64
2/13/2019				0.05 (J)		0.35
3/16/2019			<0.2			
3/27/2019			<0.2			
4/3/2019			<0.2			
4/5/2019				0.14 (J)		0.7 (J)
4/15/2019			0.14 (J)			
5/2/2019			0.13 (J)			
5/14/2019			<0.2			
5/28/2019			0.16 (J)			
6/12/2019			<0.2			
8/8/2019			0.21 (J)	0.19 (J)		0.8 (J)
8/30/2019			0.21 (J)	0.17 (J)		<0.2
3/16/2020			<0.2	<0.2		<0.2
7/11/2020					0.24	
7/21/2020	0.17					
7/30/2020		0.19				
11/3/2020	<0.2					
11/4/2020		<0.2	<0.2			
11/5/2020				<0.2	0.15 (J)	<0.2
3/8/2021	0.41 (J)	0.28 (J)	<0.2	<0.2	0.2	
3/9/2021						0.87 (J)
10/12/2021			0.27 (J)	0.22 (J)	0.18 (J)	
10/15/2021		0.44 (J)				
10/20/2021	0.25 (J)					
10/21/2021						<0.2
4/4/2022			0.13 (J)			
4/5/2022				<0.2	0.21	<0.2
4/7/2022	0.25 (J)	0.54 (J)				
10/17/2022			<0.2	<0.2		
10/18/2022					0.14 (J)	0.32 (J)
10/19/2022	0.13 (J)	0.094 (J)				
3/8/2023			0.086 (J)	0.068 (J)	0.18 (J)	0.19 (J)
3/10/2023	0.19 (J)	0.18 (J)				
10/18/2023	0.12 (J)	0.15 (J)				
10/19/2023			0.12 (J)	<0.2	0.15 (J)	0.17 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		0.52				
4/25/2018				0.09 (J)		
6/14/2018		0.51		0.09 (J)		
7/24/2018		0.52		0.09 (J)		
9/1/2018		0.54		0.1		
10/1/2018		0.54				
10/2/2018				0.09 (J)		
11/2/2018		0.58		0.11		
12/6/2018		0.51		1.4 (o)		
2/13/2019		0.48		0.07 (J)		
4/4/2019				<0.2		
4/5/2019		0.31 (J)				
8/9/2019		0.51		<0.2		
8/30/2019		0.54 (J)		<0.2		
3/16/2020		<0.2				
3/17/2020				<0.2		
7/13/2020	0.17					
7/14/2020			0.14			0.22
7/30/2020					0.17	
11/9/2020	0.18 (J)	<0.2	<0.2	<0.2	0.17 (J)	
11/10/2020						0.21
3/9/2021	0.18 (J)	0.55 (J)	<0.2	<0.2	0.17 (J)	
3/10/2021						0.18 (J)
10/11/2021	0.14 (J)				0.18 (J)	
10/12/2021				<0.2		
10/14/2021		0.5 (J)	<0.2			0.19 (J)
4/5/2022	0.13 (J)		<0.2			
4/6/2022		0.36 (J)		<0.2	0.27	
4/7/2022						0.2
10/18/2022	0.12 (J)		0.15 (J)			
10/19/2022		0.29		0.065 (J)	0.12 (J)	0.15 (J)
3/8/2023	0.14 (J)	0.25	0.074 (J)			
3/9/2023				0.12 (J)	0.077 (J)	0.08 (J)
10/19/2023	0.13 (J)	0.41	0.082 (J)			
10/20/2023				<0.2	0.13 (J)	0.15 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		0.11	1		0.06 (J)
6/13/2018					0.06 (J)
6/14/2018		0.12	1		
7/23/2018			1		0.06 (J)
7/24/2018		0.12			
9/6/2018		0.13	1.1		0.06 (J)
10/2/2018		0.13	1		0.07 (J)
11/1/2018			1.1		0.07 (J)
11/2/2018		0.14			
12/6/2018		0.13	0.98		0.21 (o)
2/13/2019		0.1	0.98		0.07 (J)
4/4/2019		<0.2	0.58 (J)		<0.2
4/5/2019	<0.2 (D)				
4/15/2019	<0.2				
5/2/2019	<0.2				
5/14/2019	<0.2				
5/29/2019	<0.2				
6/12/2019	<0.2				
6/19/2019	<0.2				
6/25/2019	0.32 (J)				
8/8/2019					0.2 (J)
8/9/2019	<0.2	0.22 (J)	0.9 (J)		
8/30/2019	0.27 (J)	0.41 (J)	0.85 (J)		0.18 (J)
3/17/2020	<0.2	1.6	0.52 (J)		<0.2
7/13/2020				0.15	
11/9/2020			0.74 (J)		
11/10/2020		<0.2		0.22	
11/20/2020	<0.2				<0.2
3/8/2021					<0.2
3/9/2021	<0.2	0.26 (J)	1.1 (J)	0.17 (J)	
10/12/2021		<0.2		0.15 (J)	<0.2
10/20/2021	0.29 (J)				
10/21/2021			1 (J)		
4/6/2022		1.2 (J)	16	0.14 (J)	0.82 (J)
4/7/2022	6.4				
10/18/2022		0.084 (J)	0.73	0.091 (J)	<0.2
10/19/2022	0.22				
3/9/2023	0.11 (J)	0.14 (J)	0.59	0.066 (J)	
3/13/2023					0.081 (J)
10/20/2023	<0.2	0.026 (J)	0.7	0.083 (J)	0.057 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	<0.001					
6/13/2018	<0.001					
7/23/2018	<0.001					
9/1/2018	<0.001					
10/2/2018	<0.001					
11/1/2018	0.0011 (J)					
12/6/2018	0.0006 (J)					
2/13/2019	<0.001					
3/16/2019			<0.001	<0.001		
3/27/2019			<0.001 (D)	<0.001 (D)		
4/3/2019			<0.001 (D)	<0.001 (D)		
4/16/2019			<0.001	<0.001		
5/3/2019			<0.001	<0.001		
5/14/2019			<0.001	<0.001		
5/29/2019			<0.001	<0.001		
6/12/2019			<0.001	<0.001		
8/8/2019	<0.001		<0.001	<0.001		
8/29/2019			<0.001	0.00017 (J)		
8/30/2019	<0.001					
3/17/2020	<0.001		<0.001	<0.001		
7/13/2020		0.00116 (J)				
7/21/2020					<0.001	<0.001
11/4/2020					<0.001	<0.001
11/9/2020			<0.001			
11/20/2020	<0.001	0.00089 (J)		<0.001		
3/8/2021	0.00016 (J)	0.00086 (J)			<0.001	<0.001
3/10/2021			<0.001	<0.001		
10/11/2021			<0.001	<0.001		
10/12/2021	<0.001	0.00063 (J)				
10/15/2021						<0.001
10/20/2021					<0.001	
4/4/2022			0.00063 (J)	<0.001		
4/5/2022	0.00019 (J)	0.00058 (J)				
4/7/2022					<0.001	<0.001
10/17/2022			<0.001	<0.001		
10/18/2022	<0.001	0.00045 (J)				
10/19/2022					<0.001	<0.001
3/7/2023			<0.001			
3/10/2023					<0.001	<0.001
3/13/2023	<0.001	<0.001				
3/14/2023				<0.001		
10/18/2023					<0.001	<0.001
10/21/2023	<0.001	0.0003 (J)	<0.001	<0.001		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<0.001		<0.001
6/14/2018				<0.001		<0.001
7/24/2018				<0.001		<0.001
9/1/2018				<0.001		<0.001
10/1/2018				<0.001		<0.001
11/2/2018				<0.001		0.00048 (J)
12/7/2018				<0.001		<0.001
2/13/2019				<0.001		<0.001
3/16/2019			<0.001			
3/27/2019			<0.001			
4/3/2019			<0.001			
4/15/2019			<0.001			
5/2/2019			<0.001			
5/14/2019			<0.001			
5/28/2019			<0.001			
6/12/2019			<0.001			
8/8/2019			<0.001	<0.001		<0.001
8/30/2019			<0.001	<0.001		<0.001
3/16/2020			<0.001	<0.001		<0.001
7/11/2020					0.000555 (J)	
7/21/2020	<0.001					
7/30/2020		<0.001				
11/3/2020	<0.001					
11/4/2020		<0.001	<0.001			
11/5/2020				<0.001	0.00024 (J)	<0.001
3/8/2021	<0.001	<0.001	<0.001	<0.001	0.00016 (J)	
3/9/2021						<0.001
10/12/2021			<0.001	<0.001	0.0002 (J)	
10/15/2021		<0.001				
10/20/2021	<0.001					
10/21/2021						<0.001
4/4/2022			<0.001			
4/5/2022				0.00022 (J)	0.00045 (J)	0.00043 (J)
4/7/2022	<0.001	<0.001				
10/17/2022			<0.001	<0.001		
10/18/2022					<0.001	<0.001
10/19/2022	<0.001	<0.001				
3/8/2023			<0.001	<0.001	<0.001	<0.001
3/10/2023	<0.001	<0.001				
10/18/2023	<0.001	<0.001				
10/19/2023			<0.001	<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		<0.001				
4/25/2018				<0.001		
6/14/2018		<0.001		<0.001		
7/24/2018		<0.001		<0.001		
9/1/2018		<0.001		<0.001		
10/1/2018		<0.001				
10/2/2018				<0.001		
11/2/2018		0.00062 (J)		0.0011 (J)		
12/6/2018		<0.001		0.00041 (J)		
2/13/2019		<0.001		0.00036 (J)		
8/9/2019		<0.001		<0.001		
8/30/2019		<0.001		<0.001		
3/16/2020		<0.001				
3/17/2020				<0.001		
7/13/2020	<0.001					
7/14/2020			<0.001			<0.001
7/30/2020					0.00203	
11/9/2020	<0.001	<0.001	<0.001	<0.001	0.00099 (J)	
11/10/2020						<0.001
3/9/2021	<0.001	<0.001	<0.001	<0.001	0.00026 (J)	
3/10/2021						<0.001
10/11/2021	<0.001				0.00019 (J)	
10/12/2021				<0.001		
10/14/2021		<0.001	<0.001			<0.001
4/5/2022	<0.001		0.00029 (J)			
4/6/2022		<0.001		<0.001	0.00026 (J)	
4/7/2022						<0.001
10/18/2022	<0.001		<0.001			
10/19/2022		<0.001		<0.001	0.00018 (J)	<0.001
3/8/2023	<0.001	<0.001	<0.001			
3/9/2023				<0.001	<0.001	<0.001
10/19/2023	<0.001	<0.001	<0.001			
10/20/2023				<0.001	0.0003 (J)	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		<0.001	<0.001		<0.001
6/13/2018					<0.001
6/14/2018		<0.001	<0.001		
7/23/2018			<0.001		<0.001
7/24/2018		<0.001			
9/6/2018		<0.001	<0.001		<0.001
10/2/2018		<0.001	<0.001		<0.001
11/1/2018			0.0016		<0.001
11/2/2018		0.0019			
12/6/2018		<0.001	0.0013		0.00039 (J)
2/13/2019		<0.001	<0.001		<0.001
4/5/2019	<0.001 (D)				
4/15/2019	<0.001				
5/2/2019	<0.001				
5/14/2019	<0.001				
5/29/2019	<0.001				
6/12/2019	<0.001				
6/19/2019	<0.001				
6/25/2019	<0.001				
8/8/2019					0.00013 (J)
8/9/2019	<0.001	<0.001	<0.001		
8/30/2019	0.00032 (J)	<0.001	<0.001		<0.001
3/17/2020	<0.001	<0.001	<0.001		<0.001
7/13/2020				<0.001	
11/9/2020			<0.001		
11/10/2020		<0.001		<0.001	
11/20/2020	<0.001				<0.001
3/8/2021					<0.001
3/9/2021	<0.001	<0.001	<0.001	<0.001	
10/12/2021		<0.001		<0.001	<0.001
10/20/2021	<0.001				
10/21/2021			<0.001		
4/6/2022		<0.001	<0.001	<0.001	<0.001
4/7/2022	<0.001				
10/18/2022		<0.001	<0.001	<0.001	<0.001
10/19/2022	<0.001				
3/9/2023	<0.001	<0.001	0.00075 (J)	<0.001	
3/13/2023					<0.001
10/20/2023	<0.001	<0.001	<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	0.021					
6/13/2018	0.013					
7/23/2018	0.015					
9/1/2018	0.015					
10/2/2018	0.017					
11/1/2018	0.038					
12/6/2018	0.011					
2/13/2019	0.012					
3/16/2019			0.0088	0.012		
3/27/2019			0.01 (D)	0.012 (D)		
4/3/2019			0.0068 (D)	0.013 (D)		
4/16/2019			0.0081	0.012		
5/3/2019			0.01	0.015		
5/14/2019			0.011	0.015		
5/29/2019			0.0062	0.015		
6/12/2019			0.0099	0.013		
8/8/2019	0.018		0.012	0.016		
8/29/2019			0.0067	0.011		
8/30/2019	0.01					
3/17/2020	0.017		0.014	0.017		
7/13/2020		0.0136				
7/21/2020					0.00196 (J)	<0.025
11/4/2020					0.016	<0.025
11/9/2020			0.011			
11/20/2020	0.013	0.011		0.015		
3/8/2021	0.01	0.022			0.0042 (J)	<0.025
3/10/2021			0.012	0.017		
10/11/2021			0.0089	0.015		
10/12/2021	0.0056	0.019				
10/15/2021						<0.025
10/20/2021					0.0038 (J)	
4/4/2022			0.011	0.018		
4/5/2022	0.012	0.012				
4/7/2022					0.0045 (J)	0.0044 (J)
10/17/2022			0.01	0.017		
10/18/2022	0.01	0.012				
10/19/2022					0.0029 (J)	0.0015 (J)
3/7/2023			0.011			
3/10/2023					0.005	0.0069
3/13/2023	0.01	<0.005				
3/14/2023				0.019		
10/18/2023					0.0021 (J)	<0.025
10/21/2023	0.013 (J)	0.012 (J)	0.01 (J)	0.017 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				0.029		0.11
6/14/2018				0.023		0.073
7/24/2018				0.023		0.079
9/1/2018				0.022		0.088
10/1/2018				0.026		0.091
11/2/2018				0.024 (J)		0.081
12/7/2018				0.022		0.072
2/13/2019				0.02		0.071
3/16/2019			0.013			
3/27/2019			0.014			
4/3/2019			0.01			
4/15/2019			0.012			
5/2/2019			0.013			
5/14/2019			0.011			
5/28/2019			<0.05			
6/12/2019			0.012			
8/8/2019			0.012	0.031		0.076
8/30/2019			0.011	0.022		0.072
3/16/2020			0.013	0.03		0.07
7/11/2020					0.0103	
7/21/2020	0.00623					
7/30/2020		0.00523				
11/3/2020	0.03					
11/4/2020		0.029	0.014			
11/5/2020				0.031	0.01	0.07
3/8/2021	0.008	0.0086	0.013	0.03	0.0091	
3/9/2021						0.075
10/12/2021			0.014	0.028	0.0079	
10/15/2021		0.009				
10/20/2021	0.0091 (D)					
10/21/2021						0.0665 (D)
4/4/2022			0.023 (J)			
4/5/2022				0.037	0.01	0.081
4/7/2022	0.0084	0.0097				
10/17/2022			0.016	0.032		
10/18/2022					0.011	0.056
10/19/2022	0.0077	0.0082				
3/8/2023			0.019	0.036	0.011	0.077
3/10/2023	0.014	0.0093				
10/18/2023	0.0082 (J)	0.0081 (J)				
10/19/2023			0.018 (J)	0.037	0.011 (J)	0.072

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		0.079				
4/25/2018				0.069		
6/14/2018		0.055		0.046		
7/24/2018		0.057		0.049		
9/1/2018		0.054		0.045		
10/1/2018		0.063				
10/2/2018				0.052		
11/2/2018		0.077		0.074		
12/6/2018		0.054		0.044		
2/13/2019		0.053		0.045		
8/9/2019		0.061		0.049		
8/30/2019		0.052		0.044		
3/16/2020		0.053				
3/17/2020				0.044		
7/13/2020	0.00778					
7/14/2020			0.0522			0.00696
7/30/2020					0.00791	
11/9/2020	0.006	0.049	0.043	0.044	0.0076	
11/10/2020						0.0063
3/9/2021	0.0098	0.051	0.044	0.048	0.0099	
3/10/2021						0.0059
10/11/2021	0.02				0.0075	
10/12/2021				0.039		
10/14/2021		0.052	0.11			0.0061
4/5/2022	0.014		0.073			
4/6/2022		0.046		0.046	0.0088	
4/7/2022						0.011
10/18/2022	0.016		0.068			
10/19/2022		0.049		0.035	0.0077	0.0069
3/8/2023	0.012	0.041	0.072			
3/9/2023				0.04	0.0085	0.01
10/19/2023	0.012 (J)	0.039	0.074			
10/20/2023				0.039	0.0064 (J)	0.0079 (J)

Time Series

Constituent: Lithium (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		0.004 (J)	0.13		0.0039 (J)
6/13/2018					0.0027 (J)
6/14/2018		0.0026 (J)	0.085		
7/23/2018			0.09		0.0041 (J)
7/24/2018		0.003 (J)			
9/6/2018		0.0029 (J)	0.099		0.0035 (J)
10/2/2018		0.0021 (J)	0.095		0.004 (J)
11/1/2018			0.16		0.018 (o)
11/2/2018		0.014 (o)			
12/6/2018		<0.005	0.082		<0.005
2/13/2019		0.0018 (J)	0.08		0.0026 (J)
4/5/2019	0.051 (D)				
4/15/2019	0.054				
5/2/2019	0.055				
5/14/2019	0.047				
5/29/2019	0.055				
6/12/2019	0.062				
6/19/2019	0.059				
6/25/2019	0.052				
8/8/2019					0.0053
8/9/2019	0.063	<0.005	0.086		
8/30/2019	0.059	<0.005	0.068		<0.005
3/17/2020	0.056	0.0071	0.08		0.0077
7/13/2020				<0.005	
11/9/2020			0.08		
11/10/2020		0.0048 (J)		0.0044 (J)	
11/20/2020	0.055				0.0035 (J)
3/8/2021					0.0045 (J)
3/9/2021	0.057	0.004 (J)	0.073	0.005	
10/12/2021		0.0036 (J)		<0.005	<0.005
10/20/2021	0.0535 (D)				
10/21/2021			0.0735 (D)		
4/6/2022		0.0043 (J)	0.075	0.0032 (J)	0.0084
4/7/2022	0.057				
10/18/2022		0.0041 (J)	0.07	0.0021 (J)	0.0046 (J)
10/19/2022	0.05				
3/9/2023	0.054	0.0071	0.067	0.0071	
3/13/2023					0.0053
10/20/2023	0.056	0.0033 (J)	0.071	0.0033 (J)	0.0036 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	<0.0002					
6/13/2018	<0.0002					
7/23/2018	<0.0002					
9/1/2018	8.5E-05 (J)					
10/2/2018	<0.0002					
11/1/2018	<0.0002					
12/6/2018	<0.0002					
2/13/2019	<0.0002					
3/16/2019			<0.0002	9.7E-05 (J)		
3/27/2019			<0.0002 (D)	<0.0002 (D)		
4/3/2019			<0.0002 (D)	<0.0002 (D)		
4/16/2019			<0.0002	<0.0002		
5/3/2019			<0.0002	<0.0002		
5/14/2019			7.1E-05 (J)	<0.0002		
5/29/2019			<0.0002	<0.0002		
6/12/2019			<0.0002	<0.0002		
8/8/2019	<0.0002		<0.0002	<0.0002		
7/13/2020		<0.0002				
7/21/2020					<0.0002	<0.0002
11/4/2020					<0.0002	<0.0002
11/9/2020			<0.0002			
11/20/2020	<0.0002	<0.0002		<0.0002		
3/8/2021	<0.0002	<0.0002			<0.0002	<0.0002
3/10/2021			<0.0002	<0.0002		
10/11/2021			<0.0002	<0.0002		
10/12/2021	<0.0002	<0.0002				
10/15/2021						<0.0002
10/20/2021					<0.0002	
4/4/2022			<0.0002	<0.0002		
4/5/2022	<0.0002	<0.0002				
4/7/2022					<0.0002	<0.0002
10/17/2022			<0.0002	<0.0002		
10/18/2022	<0.0002	<0.0002				
10/19/2022					<0.0002	<0.0002
3/7/2023			<0.0002			
3/10/2023					<0.0002	<0.0002
3/13/2023	<0.0002	<0.0002				
3/14/2023				<0.0002		
10/18/2023					<0.0002	<0.0002
10/21/2023	<0.0002	<0.0002	<0.0002	<0.0002		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<0.0002		<0.0002
6/14/2018				<0.0002		<0.0002
7/24/2018				<0.0002		<0.0002
9/1/2018				<0.0002		<0.0002
10/1/2018				<0.0002		<0.0002
11/2/2018				<0.0002		<0.0002
12/7/2018				<0.0002		<0.0002
2/13/2019				<0.0002		<0.0002
3/16/2019			<0.0002			
3/27/2019			<0.0002			
4/3/2019			<0.0002			
4/15/2019			0.00015 (J)			
5/2/2019			<0.0002			
5/14/2019			<0.0002			
5/28/2019			<0.0002			
6/12/2019			<0.0002			
8/8/2019			<0.0002	<0.0002		<0.0002
7/11/2020					<0.0002	
7/21/2020	<0.0002					
7/30/2020		<0.0002				
11/3/2020	<0.0002					
11/4/2020		<0.0002	<0.0002			
11/5/2020				<0.0002	<0.0002	<0.0002
3/8/2021	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
3/9/2021						<0.0002
10/12/2021			<0.0002	<0.0002	<0.0002	
10/15/2021		<0.0002				
10/20/2021	<0.0002					
10/21/2021						<0.0002
4/4/2022			<0.0002			
4/5/2022				<0.0002	<0.0002	<0.0002
4/7/2022	<0.0002	<0.0002				
10/17/2022			<0.0002	<0.0002		
10/18/2022					<0.0002	<0.0002
10/19/2022	<0.0002	<0.0002				
3/8/2023			<0.0002	<0.0002	<0.0002	<0.0002
3/10/2023	<0.0002	<0.0002				
10/18/2023	<0.0002	<0.0002				
10/19/2023			<0.0002	<0.0002	<0.0002	<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		<0.0002				
4/25/2018				<0.0002		
6/14/2018		<0.0002		<0.0002		
7/24/2018		<0.0002		<0.0002		
9/1/2018		<0.0002		9.3E-05 (J)		
10/1/2018		<0.0002				
10/2/2018				<0.0002		
11/2/2018		<0.0002		<0.0002		
12/6/2018		<0.0002		<0.0002		
2/13/2019		<0.0002		<0.0002		
8/9/2019		<0.0002		<0.0002		
7/13/2020	<0.0002					
7/14/2020			<0.0002			<0.0002
7/30/2020					<0.0002	
11/9/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
11/10/2020						<0.0002
3/9/2021	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
3/10/2021						<0.0002
10/11/2021	<0.0002				<0.0002	
10/12/2021				<0.0002		
10/14/2021		<0.0002	<0.0002			<0.0002
4/5/2022	<0.0002		<0.0002			
4/6/2022		<0.0002		<0.0002	<0.0002	
4/7/2022						<0.0002
10/18/2022	<0.0002		<0.0002			
10/19/2022		<0.0002		<0.0002	<0.0002	<0.0002
3/8/2023	<0.0002	<0.0002	<0.0002			
3/9/2023				<0.0002	<0.0002	<0.0002
10/19/2023	<0.0002	<0.0002	<0.0002			
10/20/2023				<0.0002	<0.0002	<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		<0.0002	<0.0002		<0.0002
6/13/2018					<0.0002
6/14/2018		<0.0002	<0.0002		
7/23/2018			<0.0002		<0.0002
7/24/2018		<0.0002			
9/6/2018		9E-05 (J)	7.7E-05 (J)		0.00035
10/2/2018		<0.0002	<0.0002		<0.0002
11/1/2018			<0.0002		<0.0002
11/2/2018		<0.0002			
12/6/2018		<0.0002	<0.0002		<0.0002
2/13/2019		<0.0002	<0.0002		<0.0002
4/5/2019	<0.0002 (D)				
4/15/2019	<0.0002				
5/2/2019	<0.0002				
5/14/2019	<0.0002				
5/29/2019	<0.0002				
6/12/2019	<0.0002				
6/19/2019	<0.0002				
6/25/2019	<0.0002				
8/8/2019					<0.0002
8/9/2019	<0.0002	<0.0002	<0.0002		
7/13/2020				<0.0002	
11/9/2020			<0.0002		
11/10/2020		<0.0002		<0.0002	
11/20/2020	<0.0002				<0.0002
3/8/2021					<0.0002
3/9/2021	<0.0002	<0.0002	<0.0002	<0.0002	
10/12/2021		<0.0002		<0.0002	<0.0002
10/20/2021	<0.0002				
10/21/2021			<0.0002		
4/6/2022		<0.0002	<0.0002	<0.0002	<0.0002
4/7/2022	<0.0002				
10/18/2022		<0.0002	<0.0002	<0.0002	<0.0002
10/19/2022	<0.0002				
3/9/2023	<0.0002	<0.0002	<0.0002	<0.0002	
3/13/2023					<0.0002
10/20/2023	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	0.11					
6/13/2018	0.09					
7/23/2018	0.11					
9/1/2018	0.11					
10/2/2018	0.1					
11/1/2018	0.11					
12/6/2018	0.1					
2/13/2019	0.085					
3/16/2019			<0.015	<0.015		
3/27/2019			<0.015 (D)	<0.015 (D)		
4/3/2019			<0.015 (D)	<0.015 (D)		
4/16/2019			<0.015	<0.015		
5/3/2019			<0.015	<0.015		
5/14/2019			<0.015	<0.015		
5/29/2019			<0.015	<0.015		
6/12/2019			<0.015	<0.015		
8/8/2019	0.11		<0.015	<0.015		
8/29/2019			<0.015	<0.015		
8/30/2019	0.078					
3/17/2020	0.081		<0.015	<0.015		
7/13/2020		0.00884 (J)				
7/21/2020					<0.015	<0.015
11/4/2020					<0.015	<0.015
11/9/2020			<0.015			
11/20/2020	0.059	0.017		<0.015		
3/8/2021	0.055	0.0096 (J)			<0.015	<0.015
3/10/2021			<0.015	<0.015		
10/11/2021			<0.015	<0.015		
10/12/2021	0.033	0.0099 (J)				
10/15/2021						<0.015
10/20/2021					<0.015	
4/4/2022			<0.015	<0.015		
4/5/2022	0.043	0.0058 (J)				
4/7/2022					<0.015	<0.015
10/17/2022			<0.015	<0.015		
10/18/2022	0.03	0.0033 (J)				
10/19/2022					<0.015	<0.015
3/7/2023			<0.015			
3/10/2023					<0.015	<0.015
3/13/2023	0.033	<0.015				
3/14/2023				<0.015		
10/18/2023					<0.015	<0.015
10/21/2023	0.037 (J)	0.0031 (J)	<0.015	<0.015		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<0.015		0.073
6/14/2018				<0.015		0.068
7/24/2018				<0.015		0.065
9/1/2018				<0.015		0.05
10/1/2018				<0.015		0.061
11/2/2018				<0.015		0.062
12/7/2018				<0.015		0.062
2/13/2019				<0.015		0.061
3/16/2019			<0.015			
3/27/2019			<0.015			
4/3/2019			<0.015			
4/15/2019			<0.015			
5/2/2019			<0.015			
5/14/2019			<0.015			
5/28/2019			<0.015			
6/12/2019			<0.015			
8/8/2019			<0.015	0.00079 (J)		0.073
8/30/2019			<0.015	<0.015		0.065
3/16/2020			<0.015	<0.015		0.072
7/11/2020					0.00558 (J)	
7/21/2020	<0.015					
7/30/2020		<0.015				
11/3/2020	0.00082 (J)					
11/4/2020		0.0009 (J)	<0.015			
11/5/2020				<0.015	0.0038 (J)	0.067
3/8/2021	<0.015	<0.015	<0.015	<0.015	0.0018 (J)	
3/9/2021						0.076
10/12/2021			<0.015	<0.015	0.0011 (J)	
10/15/2021		<0.015				
10/20/2021	<0.015 (D)					
10/21/2021						0.0705 (D)
4/4/2022			<0.015			
4/5/2022				<0.015	0.0011 (J)	0.071
4/7/2022	<0.015	<0.015				
10/17/2022			<0.015	<0.015		
10/18/2022					0.0016 (J)	0.05
10/19/2022	<0.015	<0.015				
3/8/2023			<0.015	<0.015	0.0011 (J)	0.064
3/10/2023	<0.015	<0.015				
10/18/2023	<0.015	<0.015				
10/19/2023			<0.015	<0.015	0.0013 (J)	0.076

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		0.011 (J)				
4/25/2018				0.056		
6/14/2018		0.0083 (J)		0.048		
7/24/2018		0.0075 (J)		0.078		
9/1/2018		0.0082 (J)		0.081		
10/1/2018		0.0088 (J)				
10/2/2018				0.07		
11/2/2018		0.0083 (J)		0.1		
12/6/2018		0.0093 (J)		0.069		
2/13/2019		0.0093 (J)		0.1		
8/9/2019		0.012		0.15		
8/30/2019		0.011		0.088		
3/16/2020		0.01				
3/17/2020				0.079		
7/13/2020	<0.015					
7/14/2020			0.257			<0.015
7/30/2020					<0.015	
11/9/2020	0.0022 (J)	0.0084 (J)	0.35	0.11	0.0012 (J)	
11/10/2020						0.00081 (J)
3/9/2021	0.0012 (J)	0.0059 (J)	0.37	0.072	0.00091 (J)	
3/10/2021						0.0011 (J)
10/11/2021	<0.015				0.0008 (J)	
10/12/2021				0.074		
10/14/2021		0.0042 (J)	0.23			0.0012 (J)
4/5/2022	0.0007 (J)		0.25			
4/6/2022		0.005 (J)		0.074	0.00078 (J)	
4/7/2022						0.00098 (J)
10/18/2022	0.00072 (J)		0.18			
10/19/2022		0.0043 (J)		0.039	0.0014 (J)	0.0019 (J)
3/8/2023	0.00074 (J)	0.0042 (J)	0.2			
3/9/2023				0.15	0.00085 (J)	0.0017 (J)
10/19/2023	0.00096 (J)	0.0047 (J)	0.18			
10/20/2023				0.18	0.0012 (J)	0.0023 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		0.00096 (J)	0.18		<0.015
6/13/2018					<0.015
6/14/2018		0.0062 (J)	0.17		
7/23/2018			0.17		<0.015
7/24/2018		0.0063 (J)			
9/6/2018		<0.015	0.15		<0.015
10/2/2018		<0.015	0.15		0.0009 (J)
11/1/2018			0.16		<0.015
11/2/2018		0.0066 (J)			
12/6/2018		0.0062 (J)	0.14		<0.015
2/13/2019		0.0047 (J)	0.13		<0.015
4/5/2019	0.41 (D)				
4/15/2019	0.4				
5/2/2019	0.3				
5/14/2019	0.36				
5/29/2019	0.4				
6/12/2019	0.34				
6/19/2019	0.41				
6/25/2019	0.37				
8/8/2019					<0.015
8/9/2019	0.48	<0.015	0.12		
8/30/2019	0.42	<0.015	0.11		0.00093 (J)
3/17/2020	0.47	<0.015	0.094		<0.015
7/13/2020				<0.015	
11/9/2020			0.072		
11/10/2020		<0.015		0.00067 (J)	
11/20/2020	0.42				<0.015
3/8/2021					<0.015
3/9/2021	0.48	<0.015	0.069	<0.015	
10/12/2021		<0.015		<0.015	<0.015
10/20/2021	0.45 (D)				
10/21/2021			0.056 (D)		
4/6/2022		<0.015	0.053	0.0011 (J)	<0.015
4/7/2022	0.5				
10/18/2022		<0.015	0.039	0.0012 (J)	<0.015
10/19/2022	0.44				
3/9/2023	0.58	<0.015	0.018	0.00086 (J)	
3/13/2023					<0.015
10/20/2023	0.67	0.00089 (J)	0.11	0.0011 (J)	<0.015

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: pH (SU) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	6.7					
6/13/2018	6.64					
7/23/2018	6.76					
9/1/2018	6.9					
10/2/2018	6.77					
11/1/2018	6.89					
12/6/2018	6.89					
2/13/2019	6.81					
3/16/2019			6.97	6.44		
3/27/2019			6.7	6.38		
4/3/2019			6.45	6.19		
4/4/2019	6.74					
4/16/2019			6.52	6.3		
5/3/2019			6.37	6.33		
5/14/2019			6.57	6.64		
5/29/2019			6.31	6.6		
6/12/2019			6.41	6.31		
8/8/2019	6.84		6.29	6.12		
8/29/2019			6.2	6.24		
8/30/2019	7.09					
3/17/2020	6.93		6.2	6.2		
7/13/2020		8.94				
7/21/2020					6.01	6.08
11/4/2020					6.01	6.03
11/9/2020			6.21			
11/20/2020	6.94	8.86		6.31		
3/8/2021	7.61	9.38			5.97	5.99
3/10/2021			6.29			
10/11/2021			6.13	6.08		
10/12/2021	6.75	8.92				
10/15/2021						5.97
10/20/2021					5.89	
4/4/2022			5.97	6		
4/5/2022	7.17	9.04				
4/7/2022					6.07	6.07
10/17/2022			6.19	6.12		
10/18/2022	6.98	8.95				
10/19/2022					6.08	6.07
3/7/2023			6.17			
3/10/2023					6	6
3/13/2023	6.97	8.95				
3/14/2023				6.11		
10/18/2023					6.07	6.16
10/21/2023	7.06	8.89	6.26	6.22		

Time Series

Constituent: pH (SU) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				5.89		6.46
6/14/2018				5.96		6.5
7/24/2018				6.03		6.6
9/1/2018				6.23		6.74
10/1/2018				5.94		6.51
11/2/2018				5.98		6.55
12/7/2018				5.98		6.55
2/13/2019				6.09		6.69
3/16/2019			6.67			
3/27/2019			6.59			
4/3/2019			6.56			
4/5/2019				6.03		6.7
4/15/2019			6.68			
5/2/2019			6.78			
5/14/2019			6.7			
5/28/2019			6.56			
6/12/2019			6.69			
8/8/2019			6.68	6.03		6.7
8/30/2019			6.72	6.1		6.75
3/16/2020			6.51	5.91		6.61
7/11/2020					7.84	
7/21/2020	6.51					
7/30/2020		6.48				
11/3/2020	6.51					
11/4/2020		6.58	6.45			
11/5/2020				5.92	7.79	6.58
3/8/2021	6.41	6.48	6.4	5.97		
3/9/2021						6.48
10/12/2021			6.43	5.89	7.57	
10/15/2021		6.55				
10/20/2021	6.54					
10/21/2021						6.54
4/4/2022			6.34			
4/5/2022				5.46	7.2	6.45
4/7/2022	6.53	6.55				
10/17/2022			6.27	5.87		
10/18/2022					7.56	6.61
10/19/2022	6.58	6.64				
3/8/2023			6.23	5.88	7.13	6.53
3/10/2023	6.48	6.5				
10/18/2023	6.48	6.51				
10/19/2023			6.23	5.93	7.57	6.72

Time Series

Constituent: pH (SU) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		6.31				
4/25/2018				6.04		
6/14/2018		6.28		6.29		
7/24/2018		6.34		6.35		
9/1/2018		6.33		6.38		
10/1/2018		6.36				
10/2/2018				6.47		
11/2/2018		6.43		6.42		
12/6/2018		6.43		6.42		
2/13/2019		6.48		6.42		
4/4/2019				6.35		
4/5/2019		6.33				
8/9/2019		6.69		6.42		
8/30/2019		6.68		6.47		
3/16/2020		6.71				
3/17/2020				6.32		
7/13/2020	6.88					
7/14/2020			6.89			7.07
7/30/2020					6.67	
11/9/2020	6.86	6.37	6.89	6.37	6.71	
3/9/2021	7.02	6.27	6.83	6.32	6.62	
3/10/2021						6.81
10/11/2021	6.76				6.61	
10/12/2021				6.55		
10/14/2021		6.41	6.67			6.76
4/5/2022	7.01		6.58			
4/6/2022		6.37		6.16	6.65	
4/7/2022						6.69
10/18/2022	6.97		6.93			
10/19/2022		6.32		6.38	6.94	7.2
3/8/2023	6.44	6.26	6.71			
3/9/2023				6.28	6.53	6.92
10/19/2023	7	6.22	6.65			
10/20/2023				6.36	6.7	6.93

Time Series

Constituent: pH (SU) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		6.31	6.69		6.19
6/13/2018					6.18
6/14/2018		6.25	6.66		
7/23/2018			6.7		6.19
7/24/2018		6.34			
9/6/2018		6.29	6.66		6.13
10/2/2018		6.28	6.63		6.13
11/1/2018			6.75		6.25
11/2/2018		6.4			
12/6/2018		6.4	6.75		6.25
2/13/2019		6.37	6.7		6.24
4/4/2019		6.33	6.72		6.17
4/5/2019	6.12				
4/15/2019	6.14				
5/2/2019	6.19				
5/14/2019	6.12				
5/29/2019	6.11				
6/12/2019	6.09				
6/19/2019	6.1				
6/25/2019	6.18				
8/8/2019					6.23
8/9/2019	6.03	6.34	6.74		
8/30/2019	5.92	6.31	6.68		6.1
3/17/2020	5.97	6.57	6.69		
7/13/2020				6.77	
11/9/2020			6.74		
11/10/2020		6.37		7.06	
11/20/2020	6.09				6.23
3/8/2021					7
3/9/2021	6.13	6.39	6.74	7.1	
10/12/2021		6.51		6.95	6.16
10/20/2021	5.94				
10/21/2021			6.74		
4/6/2022		6.38	6.74	6.73	6.13
4/7/2022	5.91				
10/18/2022		6.43	6.67	6.7	6.32
10/19/2022	6.1				
3/9/2023	6.04	6.37	6.5	6.49	
3/13/2023					6.22
10/20/2023	6.15	6.28	6.61	6.54	6.23

Time Series

Constituent: Selenium (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	0.00061 (J)					
6/13/2018	0.00034 (J)					
7/23/2018	0.00035 (J)					
9/1/2018	<0.005					
10/2/2018	<0.005					
11/1/2018	<0.005					
12/6/2018	<0.005					
2/13/2019	<0.005					
3/16/2019			<0.005	<0.005		
3/27/2019			<0.005 (D)	<0.005 (D)		
4/3/2019			<0.005 (D)	<0.005 (D)		
4/16/2019			<0.005	<0.005		
5/3/2019			<0.005	<0.005		
5/14/2019			<0.005	<0.005		
5/29/2019			<0.005	<0.005		
6/12/2019			<0.005	<0.005		
8/8/2019	<0.005		<0.005	<0.005		
8/29/2019			<0.005	<0.005		
8/30/2019	<0.005					
3/17/2020	<0.005		<0.005	<0.005		
7/13/2020		<0.005				
7/21/2020					<0.005	<0.005
11/4/2020					<0.005	<0.005
11/9/2020			<0.005			
11/20/2020	<0.005	<0.005		<0.005		
3/8/2021	<0.005	<0.005			<0.005	<0.005
3/10/2021			<0.005	<0.005		
10/11/2021			<0.005	<0.005		
10/12/2021	<0.005	<0.005				
10/15/2021						<0.005
10/20/2021					<0.005	
4/4/2022			<0.005	<0.005		
4/5/2022	<0.005	<0.005				
4/7/2022					<0.005	<0.005
10/17/2022			<0.005	<0.005		
10/18/2022	<0.005	<0.005				
10/19/2022					<0.005	<0.005
3/7/2023			<0.005			
3/10/2023					<0.005	<0.005
3/13/2023	<0.005	<0.005				
3/14/2023				<0.005		
10/18/2023					<0.005	<0.005
10/21/2023	<0.005	<0.005	<0.005	<0.005		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<0.005		0.0016
6/14/2018				0.00061 (J)		0.0019
7/24/2018				0.00037 (J)		0.00087 (J)
9/1/2018				<0.005		0.001 (J)
10/1/2018				<0.005		<0.005
11/2/2018				0.00072 (J)		0.001 (J)
12/7/2018				<0.005		0.0011 (J)
2/13/2019				<0.005		<0.005
3/16/2019			<0.005			
3/27/2019			<0.005			
4/3/2019			<0.005			
4/15/2019			<0.005			
5/2/2019			<0.005			
5/14/2019			<0.005			
5/28/2019			<0.005			
6/12/2019			<0.005			
8/8/2019			<0.005	<0.005		0.0017 (J)
8/30/2019			<0.005	<0.005		<0.005
3/16/2020			<0.005	<0.005		<0.005
7/11/2020					<0.005	
7/21/2020	<0.005					
7/30/2020		<0.005				
11/3/2020	<0.005					
11/4/2020		<0.005	<0.005			
11/5/2020				<0.005	<0.005	<0.005
3/8/2021	<0.005	<0.005	<0.005	<0.005	<0.005	
3/9/2021						<0.005
10/12/2021			<0.005	<0.005	<0.005	
10/15/2021		<0.005				
10/20/2021	<0.005					
10/21/2021						<0.005
4/4/2022			<0.005			
4/5/2022				<0.005	<0.005	<0.005
4/7/2022	<0.005	<0.005				
10/17/2022			<0.005	<0.005		
10/18/2022					<0.005	<0.005
10/19/2022	<0.005	<0.005				
3/8/2023			<0.005	<0.005	<0.005	0.0014 (J)
3/10/2023	<0.005	<0.005				
10/18/2023	<0.005	<0.005				
10/19/2023			<0.005	<0.005	<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		0.00055 (J)				
4/25/2018				0.00071 (J)		
6/14/2018		0.00068 (J)		0.0006 (J)		
7/24/2018		0.00036 (J)		0.0006 (J)		
9/1/2018		<0.005		<0.005		
10/1/2018		<0.005				
10/2/2018				<0.005		
11/2/2018		<0.005		<0.005		
12/6/2018		<0.005		<0.005		
2/13/2019		<0.005		<0.005		
8/9/2019		<0.005		<0.005		
8/30/2019		<0.005		<0.005		
3/16/2020		<0.005				
3/17/2020				<0.005		
7/13/2020	<0.005					
7/14/2020			<0.005			<0.005
7/30/2020					<0.005	
11/9/2020	<0.005	<0.005	<0.005	<0.005	<0.005	
11/10/2020						<0.005
3/9/2021	<0.005	<0.005	<0.005	<0.005	<0.005	
3/10/2021						<0.005
10/11/2021	<0.005				<0.005	
10/12/2021				<0.005		
10/14/2021		<0.005	<0.005			<0.005
4/5/2022	<0.005		<0.005			
4/6/2022		<0.005		<0.005	<0.005	
4/7/2022						<0.005
10/18/2022	<0.005		<0.005			
10/19/2022		<0.005		<0.005	<0.005	<0.005
3/8/2023	0.0012 (J)	<0.005	<0.005			
3/9/2023				0.0016 (J)	<0.005	<0.005
10/19/2023	<0.005	<0.005	<0.005			
10/20/2023				<0.005	<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		0.00046 (J)	0.00042 (J)		0.00081 (J)
6/13/2018					0.00027 (J)
6/14/2018		0.00039 (J)	0.00049 (J)		
7/23/2018			0.0006 (J)		0.00041 (J)
7/24/2018		0.00036 (J)			
9/6/2018		<0.005	<0.005		<0.005
10/2/2018		<0.005	<0.005		<0.005
11/1/2018			<0.005		<0.005
11/2/2018		<0.005			
12/6/2018		<0.005	<0.005		<0.005
2/13/2019		<0.005	<0.005		<0.005
4/5/2019	<0.005 (D)				
4/15/2019	<0.005				
5/2/2019	<0.005				
5/14/2019	<0.005				
5/29/2019	<0.005				
6/12/2019	<0.005				
6/19/2019	<0.005				
6/25/2019	<0.005				
8/8/2019					<0.005
8/9/2019	<0.005	<0.005	<0.005		
8/30/2019	<0.005	<0.005	<0.005		<0.005
3/17/2020	<0.005	<0.005	<0.005		<0.005
7/13/2020				<0.005	
11/9/2020			<0.005		
11/10/2020		<0.005		<0.005	
11/20/2020	<0.005				<0.005
3/8/2021					<0.005
3/9/2021	<0.005	<0.005	<0.005	<0.005	
10/12/2021		<0.005		<0.005	<0.005
10/20/2021	<0.005				
10/21/2021			<0.005		
4/6/2022		<0.005	<0.005	<0.005	<0.005
4/7/2022	<0.005				
10/18/2022		<0.005	<0.005	<0.005	<0.005
10/19/2022	<0.005				
3/9/2023	<0.005	<0.005	0.00076 (J)	<0.005	
3/13/2023					0.0012 (J)
10/20/2023	<0.005	<0.005	<0.005	<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	290					
6/13/2018	310					
7/23/2018	300					
9/1/2018	290					
10/2/2018	300					
11/1/2018	290					
12/6/2018	290					
2/13/2019	230					
3/16/2019			3.6	0.88 (J)		
3/27/2019			0.81 (JD)	1.3 (D)		
4/3/2019			1.1 (D)	1.9 (D)		
4/4/2019	240					
4/16/2019			0.68 (J)	2.5		
5/3/2019			1.1	1.3		
5/14/2019			1.3	2.2		
5/29/2019			2.1	1.2		
6/12/2019			1.9	1.1		
8/29/2019			2.3	1.1		
8/30/2019	160					
3/17/2020	110		3.7	3.2		
7/13/2020		5.31				
7/21/2020					802	713
11/4/2020					1700 (o)	670
11/9/2020			0.51 (J)			
11/20/2020	50	2.9		0.79 (J)		
3/8/2021	24	3			720	740
3/10/2021			<1	1.1		
10/11/2021			<1	<1		
10/12/2021	4	2.4				
10/15/2021						730
10/20/2021					840	
4/4/2022			0.91 (J)	1.3		
4/5/2022	7.5	5.2				
4/7/2022					810	810
10/17/2022			<1	<1		
10/18/2022	<2.5	3.7				
10/19/2022					810	830
3/7/2023			0.82 (J)			
3/10/2023					850	870
3/13/2023	2.5	5.3				
3/14/2023				<1		
10/18/2023					750	690
10/21/2023	2.4 (J)	4.2	<1	1		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<5		1200
6/14/2018				7.2		1200
7/24/2018				2.7 (J)		1100
9/1/2018				1.5 (J)		1200
10/1/2018				<5		1200
11/2/2018				1.9 (J)		1000
12/7/2018				<5		1100
2/13/2019				1.5 (J)		1100
3/16/2019			14			
3/27/2019			19			
4/3/2019			4.6 (J)			
4/5/2019				7		1200
4/15/2019			8.6			
5/2/2019			6			
5/14/2019			5.8			
5/28/2019			9.4			
6/12/2019			8.8			
8/30/2019			13	8.4		1100
3/16/2020			23	16		1100
7/11/2020					10.6	
7/21/2020	52.9					
7/30/2020		33.4				
11/3/2020	550					
11/4/2020		440	10			
11/5/2020				4.4 (J)	13	1000
3/8/2021	97	72	12	5.7	4.6	
3/9/2021						1100
10/12/2021			<1	<5	3.1	
10/15/2021		55				
10/20/2021	91.5 (D)					
10/21/2021						1040 (D)
4/4/2022			21			
4/5/2022				11	3.9	1100
4/7/2022	160	140				
10/17/2022			1.2	5.6		
10/18/2022					3	850
10/19/2022	76	57				
3/8/2023			5	5.6	4.3	960
3/10/2023	88	76				
10/18/2023	80	88				
10/19/2023			<1	690	3.8	980

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		340				
4/25/2018				920		
6/14/2018		350		980		
7/24/2018		310		950		
9/1/2018		300		980		
10/1/2018		330				
10/2/2018				960		
11/2/2018		310		860		
12/6/2018		300		990		
2/13/2019		320		930		
4/4/2019				1100		
4/5/2019		330				
8/30/2019		330		940		
3/16/2020		330				
3/17/2020				910		
7/13/2020	8.05					
7/14/2020			554			33.5
7/30/2020					12.7	
11/9/2020	5.8	320	560	1000	13	
11/10/2020						20
3/9/2021	11	320	520	910	11	
3/10/2021						14
10/11/2021	4.8				8.9	
10/12/2021				900		
10/14/2021		290	660			12
4/5/2022	6.6		720			
4/6/2022		300		910	10	
4/7/2022						11
10/18/2022	5.3		700			
10/19/2022		230		810	12	13
3/8/2023	6.2	210	710			
3/9/2023				810	6.3	19
10/19/2023	5.4	190	310			
10/20/2023				660	4.6	17

Time Series

Constituent: Sulfate (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		65	670		270
6/13/2018					300
6/14/2018		81	650		
7/23/2018			610		280
7/24/2018		52			
9/6/2018		53	690		270
10/2/2018		34	650		280
11/1/2018			610		270
11/2/2018		35			
12/6/2018		65	660		300
2/13/2019		74	600		280
4/4/2019		61	640		330
4/5/2019	800 (D)				
4/15/2019	700				
5/2/2019	810				
5/14/2019	810				
5/29/2019	830				
6/12/2019	830				
6/19/2019	810				
6/25/2019	800				
8/30/2019	800	83	620		280
3/17/2020	590	430	680		290
7/13/2020				10.5	
11/9/2020			590		
11/10/2020		64		1.8	
11/20/2020	790				270
3/8/2021					280
3/9/2021	830	100	630	0.84 (J)	
10/12/2021		13		0.83 (J)	270
10/20/2021	835 (D)				
10/21/2021			615 (D)		
4/6/2022		98	610	15	290
4/7/2022	820				
10/18/2022		25	560	7.6	280
10/19/2022	800				
3/9/2023	810	79	570	9.3	
3/13/2023					250
10/20/2023	760	93	590	4.3	190

Time Series

Constituent: Thallium (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	<0.001					
6/13/2018	<0.001					
7/23/2018	<0.001					
9/1/2018	<0.001					
10/2/2018	<0.001					
11/1/2018	<0.001					
12/6/2018	<0.001					
2/13/2019	<0.001					
3/16/2019			<0.001	<0.001		
3/27/2019			<0.001 (D)	<0.001 (D)		
4/3/2019			<0.001 (D)	<0.001 (D)		
4/16/2019			<0.001	<0.001		
5/3/2019			<0.001	<0.001		
5/14/2019			<0.001	<0.001		
5/29/2019			<0.001	<0.001		
6/12/2019			<0.001	<0.001		
8/8/2019	0.00015 (J)		<0.001	<0.001		
8/29/2019			0.00015 (J)	0.00017 (J)		
8/30/2019	0.00058 (J)					
3/17/2020	<0.001		<0.001	<0.001		
7/13/2020		<0.001				
7/21/2020					<0.001	<0.001
11/4/2020					<0.001	<0.001
11/9/2020			<0.001			
11/20/2020	<0.001	<0.001		<0.001		
3/8/2021	0.00068 (J)	0.00057 (J)			<0.001	<0.001
3/10/2021			<0.001	<0.001		
10/11/2021			<0.001	<0.001		
10/12/2021	<0.001	<0.001				
10/15/2021						<0.001
10/20/2021					<0.001	
4/4/2022			<0.001	<0.001		
4/5/2022	<0.001	<0.001				
4/7/2022					<0.001	<0.001
10/17/2022			<0.001	<0.001		
10/18/2022	<0.001	<0.001				
10/19/2022					<0.001	<0.001
3/7/2023			<0.001			
3/10/2023					<0.001	<0.001
3/13/2023	<0.001	<0.001				
3/14/2023				<0.001		
10/18/2023					<0.001	<0.001
10/21/2023	<0.001	<0.001	<0.001	<0.001		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<0.001		0.00012 (J)
6/14/2018				<0.001		<0.001
7/24/2018				<0.001		<0.001
9/1/2018				<0.001		<0.001
10/1/2018				<0.001		<0.001
11/2/2018				<0.001		<0.001
12/7/2018				<0.001		<0.001
2/13/2019				<0.001		<0.001
3/16/2019			<0.001			
3/27/2019			<0.001			
4/3/2019			<0.001			
4/15/2019			<0.001			
5/2/2019			<0.001			
5/14/2019			<0.001			
5/28/2019			<0.001			
6/12/2019			<0.001			
8/8/2019			<0.001	0.00084 (J)		<0.001
8/30/2019			<0.001	<0.001		<0.001
3/16/2020			<0.001	<0.001		<0.001
7/11/2020					<0.001	
7/21/2020	<0.001					
7/30/2020		<0.001				
11/3/2020	<0.001					
11/4/2020		<0.001	0.00019 (J)			
11/5/2020				<0.001	<0.001	<0.001
3/8/2021	<0.001	<0.001	<0.001	<0.001	<0.001	
3/9/2021						<0.001
10/12/2021			<0.001	<0.001	<0.001	
10/15/2021		<0.001				
10/20/2021	<0.001					
10/21/2021						<0.001
4/4/2022			<0.001			
4/5/2022				<0.001	<0.001	<0.001
4/7/2022	<0.001	<0.001				
10/17/2022			<0.001	<0.001		
10/18/2022					<0.001	<0.001
10/19/2022	<0.001	<0.001				
3/8/2023			<0.001	<0.001	<0.001	<0.001
3/10/2023	<0.001	<0.001				
10/18/2023	<0.001	<0.001				
10/19/2023			<0.001	<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		<0.001				
4/25/2018				<0.001		
6/14/2018		<0.001		<0.001		
7/24/2018		<0.001		<0.001		
9/1/2018		<0.001		<0.001		
10/1/2018		<0.001				
10/2/2018				<0.001		
11/2/2018		<0.001		<0.001		
12/6/2018		<0.001		<0.001		
2/13/2019		<0.001		<0.001		
8/9/2019		<0.001		<0.001		
8/30/2019		<0.001		<0.001		
3/16/2020		<0.001				
3/17/2020				<0.001		
7/13/2020	<0.001					
7/14/2020			<0.001			<0.001
7/30/2020					<0.001	
11/9/2020	<0.001	<0.001	<0.001	<0.001	<0.001	
11/10/2020						<0.001
3/9/2021	<0.001	<0.001	<0.001	<0.001	<0.001	
3/10/2021						<0.001
10/11/2021	<0.001				<0.001	
10/12/2021				<0.001		
10/14/2021		<0.001	<0.001			<0.001
4/5/2022	<0.001		<0.001			
4/6/2022		<0.001		<0.001	<0.001	
4/7/2022						<0.001
10/18/2022	<0.001		<0.001			
10/19/2022		<0.001		<0.001	<0.001	<0.001
3/8/2023	<0.001	<0.001	<0.001			
3/9/2023				<0.001	<0.001	<0.001
10/19/2023	<0.001	<0.001	<0.001			
10/20/2023				<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		<0.001	<0.001		<0.001
6/13/2018					<0.001
6/14/2018		<0.001	<0.001		
7/23/2018			<0.001		<0.001
7/24/2018		<0.001			
9/6/2018		<0.001	<0.001		<0.001
10/2/2018		<0.001	<0.001		<0.001
11/1/2018			<0.001		<0.001
11/2/2018		<0.001			
12/6/2018		<0.001	<0.001		<0.001
2/13/2019		<0.001	<0.001		<0.001
4/5/2019	<0.001 (D)				
4/15/2019	<0.001				
5/2/2019	<0.001				
5/14/2019	<0.001				
5/29/2019	<0.001				
6/12/2019	<0.001				
6/19/2019	<0.001				
6/25/2019	<0.001				
8/8/2019					<0.001
8/9/2019	<0.001	<0.001	0.00025 (J)		
8/30/2019	<0.001	<0.001	0.0013		0.0016
3/17/2020	<0.001	<0.001	<0.001		<0.001
7/13/2020				<0.001	
11/9/2020			<0.001		
11/10/2020		<0.001		<0.001	
11/20/2020	<0.001				<0.001
3/8/2021					0.00024 (J)
3/9/2021	<0.001	<0.001	0.00017 (J)	<0.001	
10/12/2021		<0.001		<0.001	<0.001
10/20/2021	<0.001				
10/21/2021			<0.001		
4/6/2022		<0.001	<0.001	<0.001	<0.001
4/7/2022	<0.001				
10/18/2022		<0.001	<0.001	<0.001	<0.001
10/19/2022	<0.001				
3/9/2023	<0.001	<0.001	<0.001	<0.001	
3/13/2023					<0.001
10/20/2023	<0.001	<0.001	<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	2500					
6/13/2018	2900					
7/23/2018	3100					
9/1/2018	2700					
10/2/2018	2900					
11/1/2018	2700					
12/6/2018	2600					
2/13/2019	2800					
3/16/2019			120	150		
3/27/2019			63 (D)	110 (D)		
4/3/2019			100 (D)	150 (D)		
4/4/2019	2500					
4/16/2019			110	150		
5/3/2019			91	130		
5/14/2019			120	150		
5/29/2019			140	180		
6/12/2019			100	130		
8/29/2019			73	110		
8/30/2019	2200					
3/17/2020	2700		95	120		
7/13/2020		152				
7/21/2020					3760	6350
11/4/2020					5400	6500
11/9/2020			68			
11/20/2020	2100	180		160		
3/8/2021	2100	160			3600	6800
3/10/2021			89	140		
10/11/2021			80	120		
10/12/2021	2300	160				
10/15/2021						5700
10/20/2021					3400	
4/4/2022			78	120		
4/5/2022	1700	140				
4/7/2022					3400	6000
10/17/2022			86	120		
10/18/2022	1900	130				
10/19/2022					3600	5900
3/7/2023			86			
3/10/2023					3600	5600
3/13/2023	1500	150				
3/14/2023				120		
10/18/2023					3500	6200
10/21/2023	1600	150	73	130		

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				4800		18000
6/14/2018				5700		13000
7/24/2018				6000		18000
9/1/2018				6300		20000
10/1/2018				6500		20000
11/2/2018				3800		19000
12/7/2018				5300		13000
2/13/2019				6200		16000
3/16/2019			3300			
3/27/2019			2900			
4/3/2019			3600			
4/5/2019				5000		18000
4/15/2019			3300			
5/2/2019			3300			
5/14/2019			3600			
5/28/2019			3500			
8/30/2019			3500	4400		18000
3/16/2020			4500	4400		16000
7/11/2020					170	
7/21/2020	5400					
7/30/2020		5020				
11/3/2020	9200					
11/4/2020		8500	5000			
11/5/2020				4100	190	19000
3/8/2021	6200	5100	5200	4300	160	
3/9/2021						22000
10/12/2021			4700	4400	160	
10/15/2021		5700				
10/20/2021	5200					
10/21/2021						18000
4/4/2022			4700			
4/5/2022				4400	140	16000
4/7/2022	5100	5100				
10/17/2022			4900	6600		
10/18/2022					150	14000
10/19/2022	5700	5700				
3/8/2023			4400	4000	150	17000
3/10/2023	5000	4700				
10/18/2023	5000	5300				
10/19/2023			4200	3900	140	17000

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		7700				
4/25/2018				16000		
6/14/2018		7200		14000		
7/24/2018		7000		15000		
9/1/2018		7800		16000		
10/1/2018		8400				
10/2/2018				17000		
11/2/2018		7600		15000		
12/6/2018		7400		14000		
2/13/2019		7700		16000		
4/4/2019				18000		
4/5/2019		7000				
8/30/2019		5800		16000		
3/16/2020		6100				
3/17/2020				15000		
7/13/2020	152					
7/14/2020			14800			184
7/30/2020					133 (D)	
11/9/2020	170	5400	16000	14000	130	
11/10/2020						150
3/9/2021	230	5500	19000	20000	150	
3/10/2021						160
10/11/2021	170				140	
10/12/2021				15000		
10/14/2021		5700	15000			150
4/5/2022	160		14000			
4/6/2022		5200		15000	130	
4/7/2022						160
10/18/2022	170		15000			
10/19/2022		5900		13000	240	160
3/8/2023	180	4600	15000			
3/9/2023				15000	150	190
10/19/2023	170	3900	14000			
10/20/2023				13000	130	200

Time Series

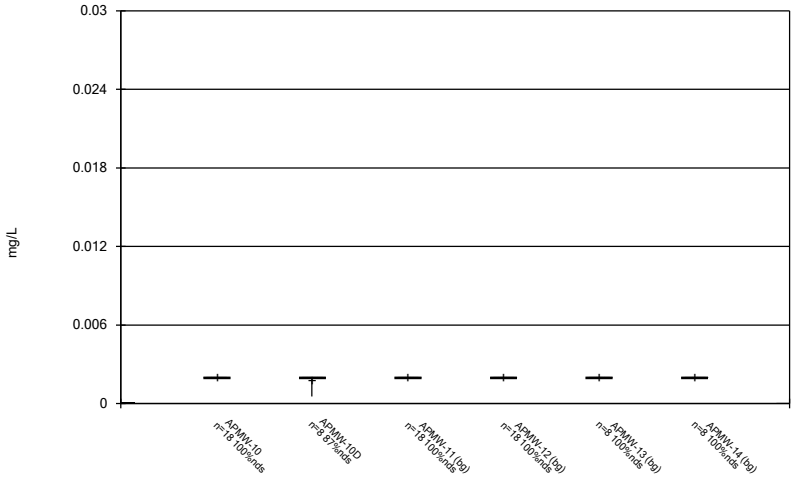
Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/6/2023 10:37 AM View: Desc.

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		7500	6400		5800
6/13/2018					5800
6/14/2018		7000	6000		
7/23/2018			7200		5800
7/24/2018		7200			
9/6/2018		7000	7800		6300
10/2/2018		7400	8200		6500
11/1/2018			7300		5000
11/2/2018		6900			
12/6/2018		6900	8300		6000
2/13/2019		8200	8900		6700
4/4/2019		8100	7700		4500
4/5/2019	7800 (D)				
4/15/2019	6600				
5/2/2019	7400				
5/14/2019	8300				
5/29/2019	8600				
6/12/2019	6800				
6/19/2019	7100				
6/25/2019	8500				
8/30/2019	6600	6900	6300		4900
3/17/2020	7200	6900	6400		5400
7/13/2020				148	
11/9/2020			7100		
11/10/2020		7100		150	
11/20/2020	7400				6000
3/8/2021					6300
3/9/2021	8800	7800	8100	170	
10/12/2021		6900		170	7000
10/20/2021	7600				
10/21/2021			6600		
4/6/2022		7700	8900	130	5600
4/7/2022	7600				
10/18/2022		7900	7000	140	5900
10/19/2022	7000				
3/9/2023	7500	7900	7400	110	
3/13/2023					6000
10/20/2023	7000	8000	7100	110	5100

FIGURE B.

Box & Whiskers Plot



Constituent: Antimony Analysis Run 12/6/2023 11:03 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

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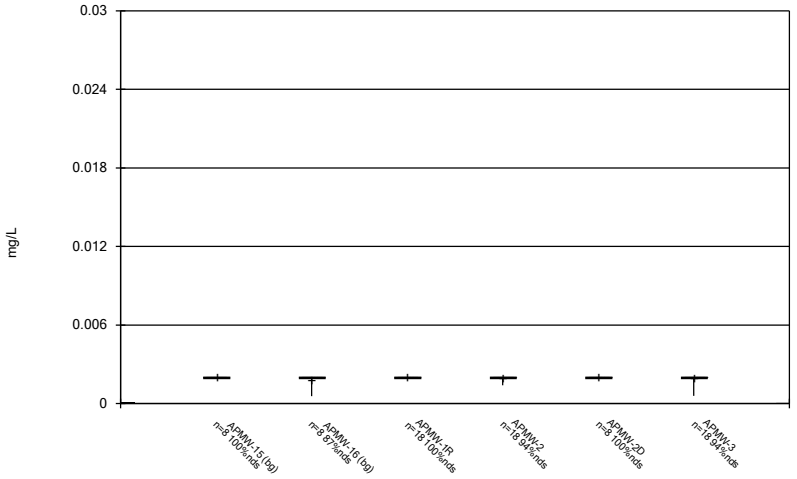
Box & Whiskers Plot



Constituent: Antimony Analysis Run 12/6/2023 11:03 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

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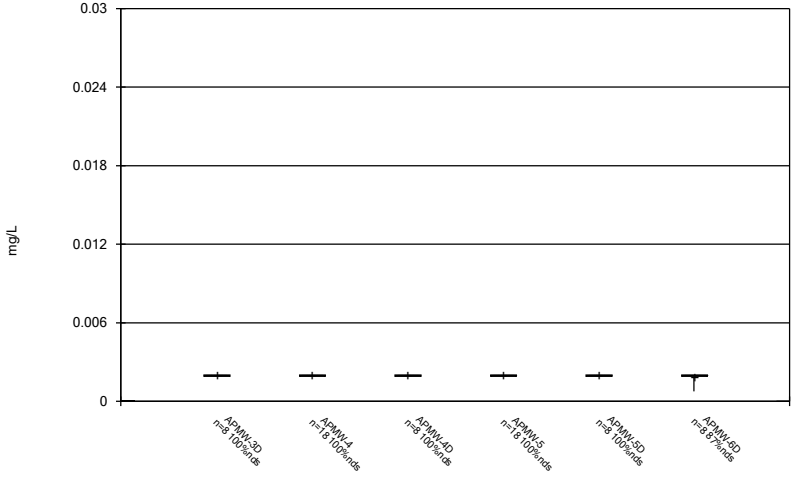
Box & Whiskers Plot



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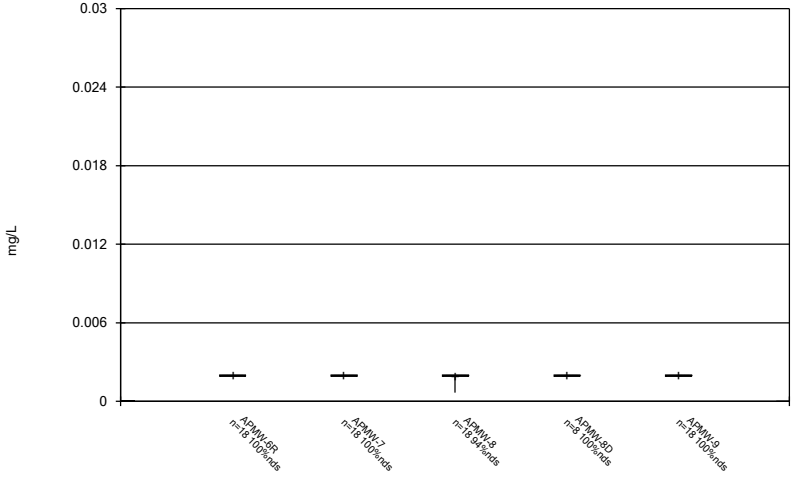
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot



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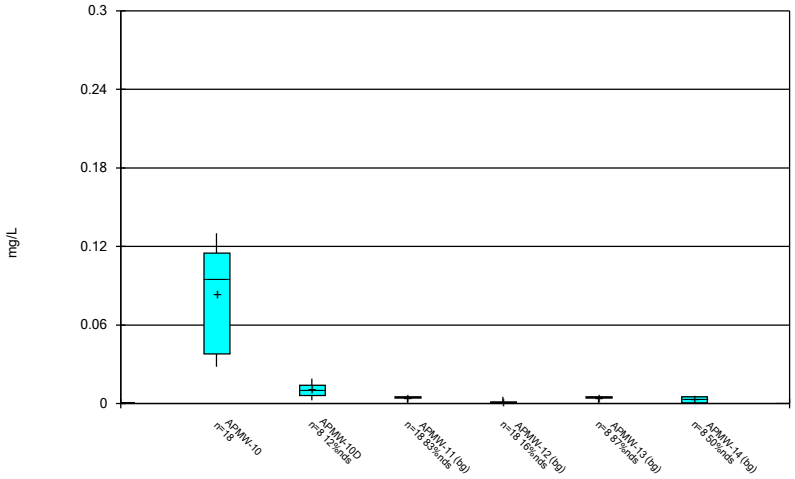
Box & Whiskers Plot



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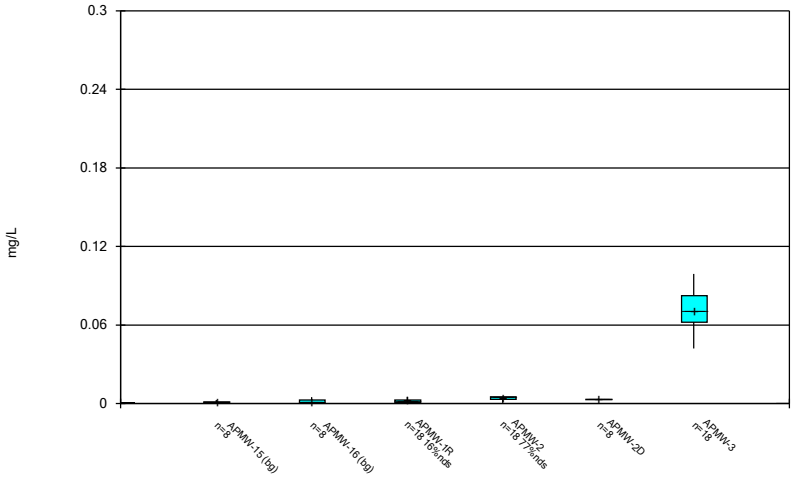
Box & Whiskers Plot



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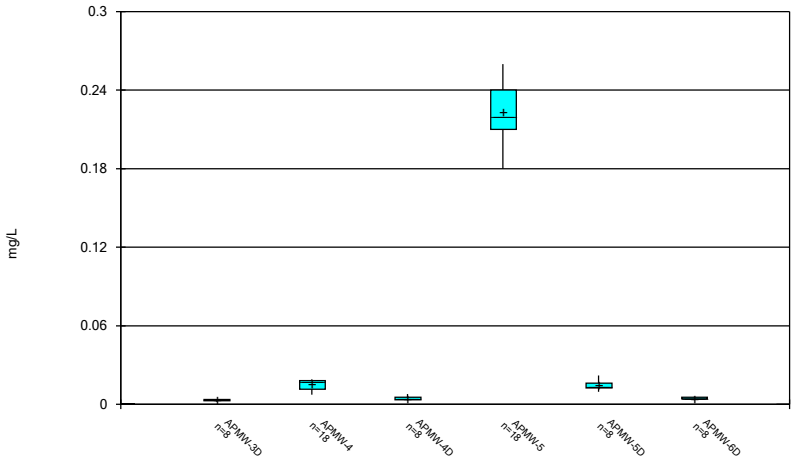

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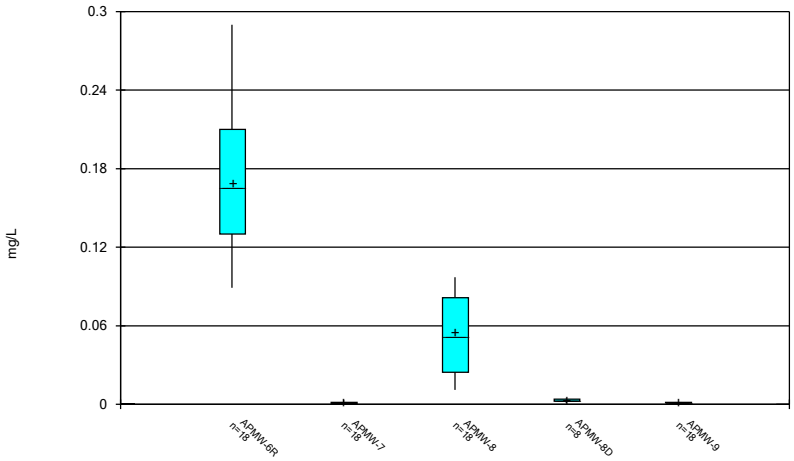
Box & Whiskers Plot



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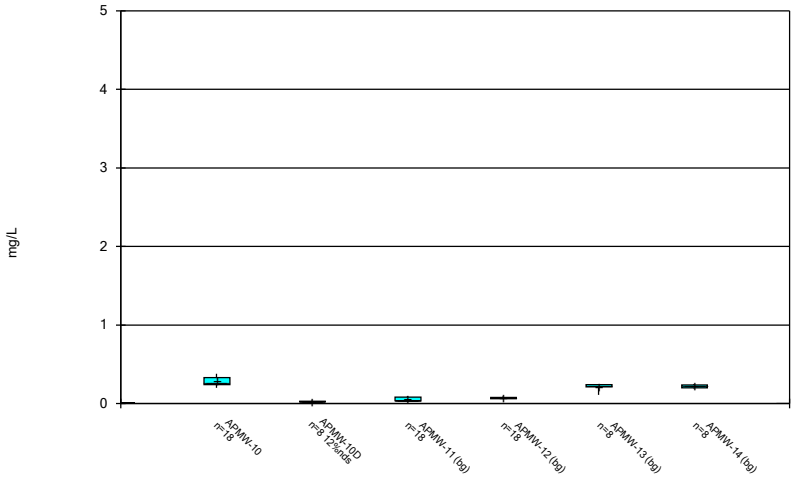

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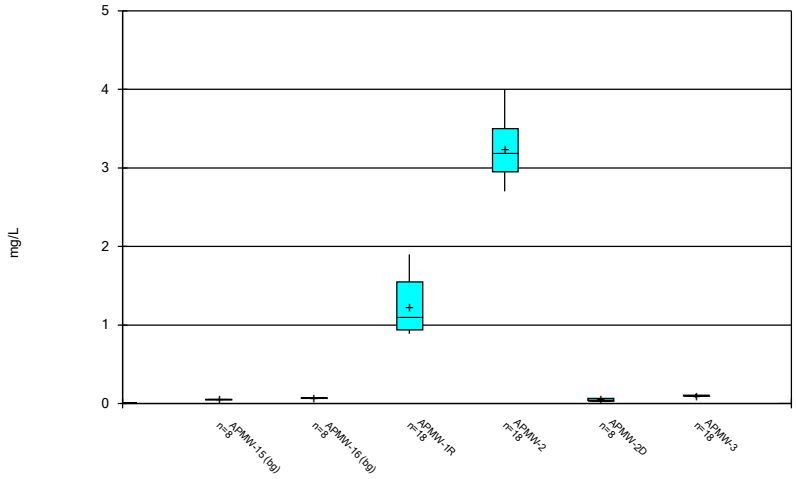
Box & Whiskers Plot



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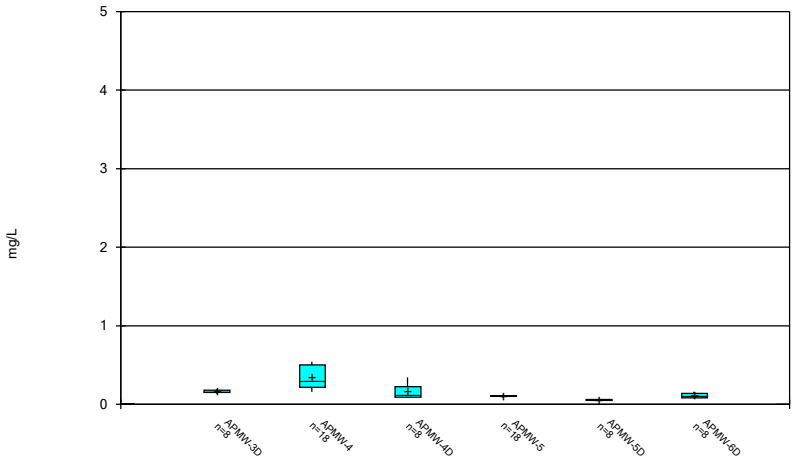
Box & Whiskers Plot



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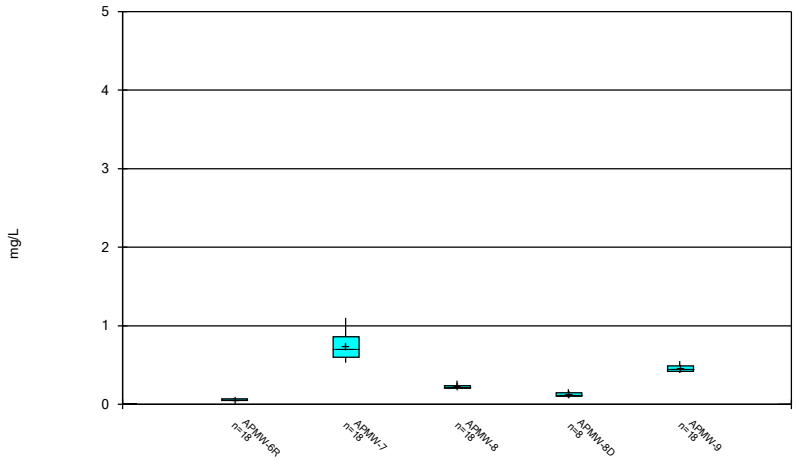
Box & Whiskers Plot



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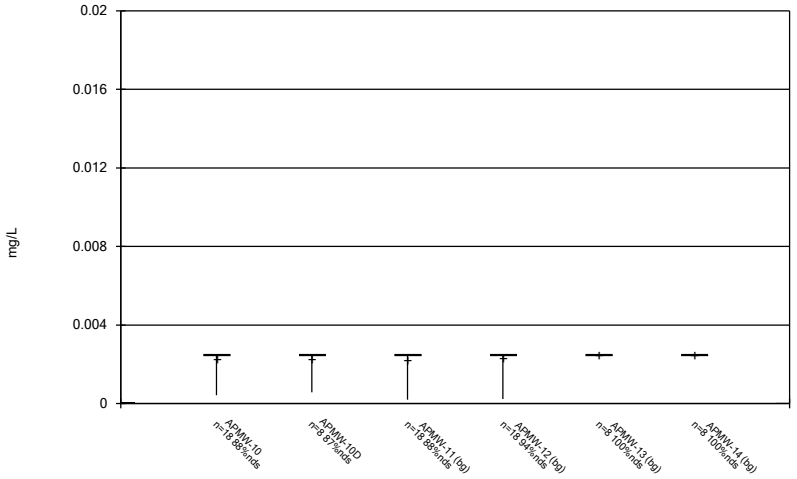
Box & Whiskers Plot



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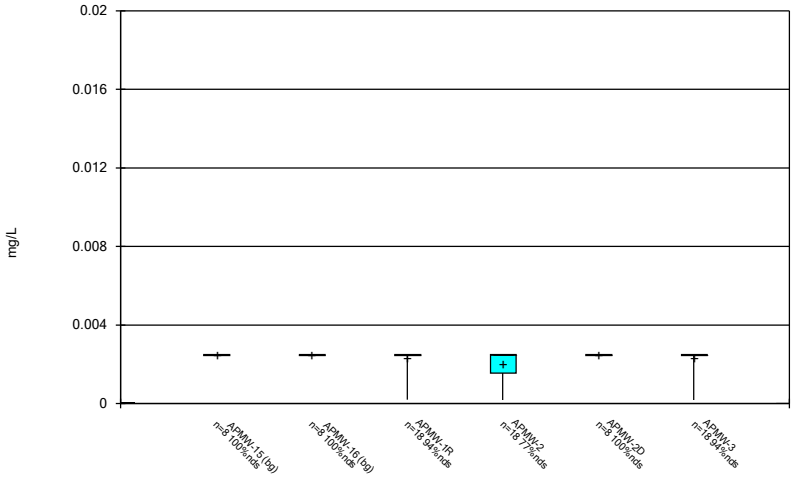
Box & Whiskers Plot



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Plant Watson Data: Plant Watson AP CCR

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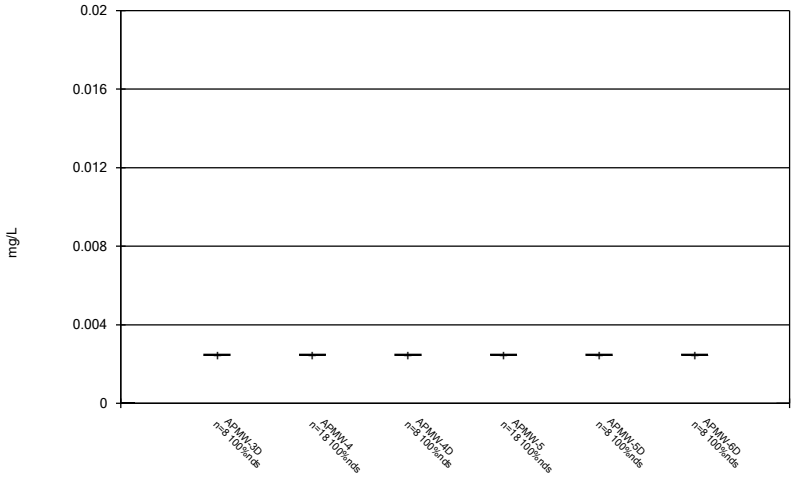
Box & Whiskers Plot



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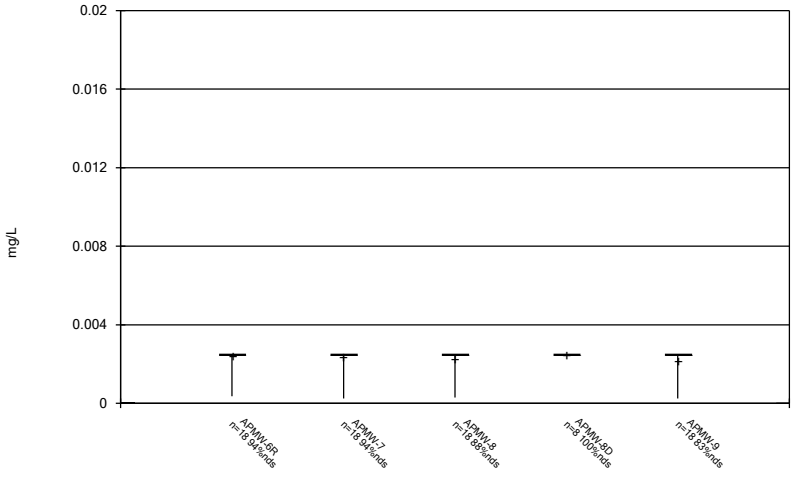
Box & Whiskers Plot



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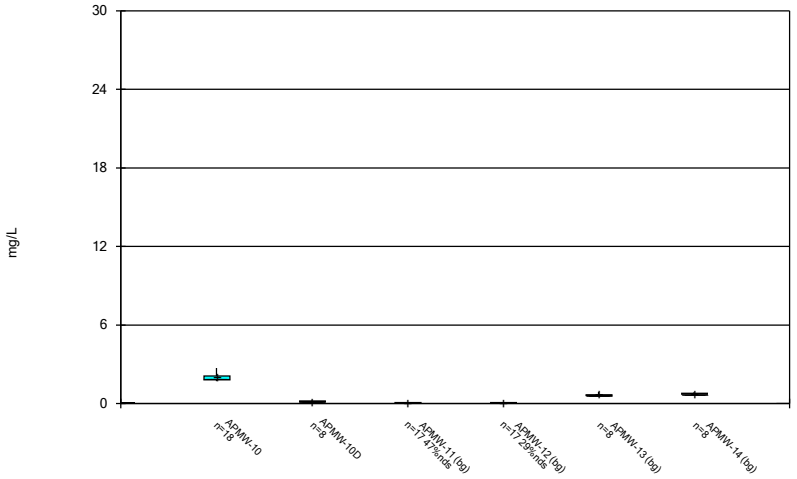

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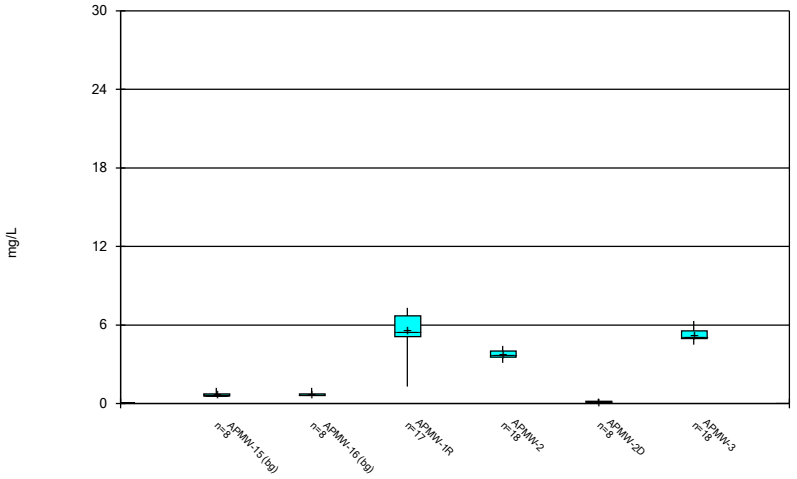

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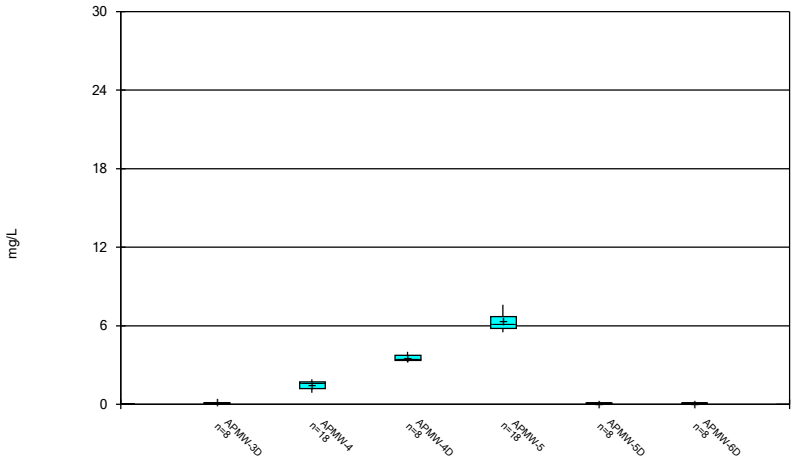
Box & Whiskers Plot



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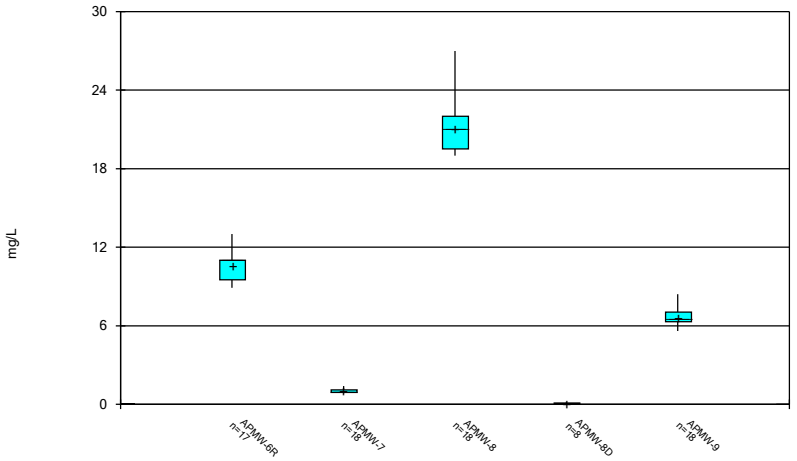
Box & Whiskers Plot



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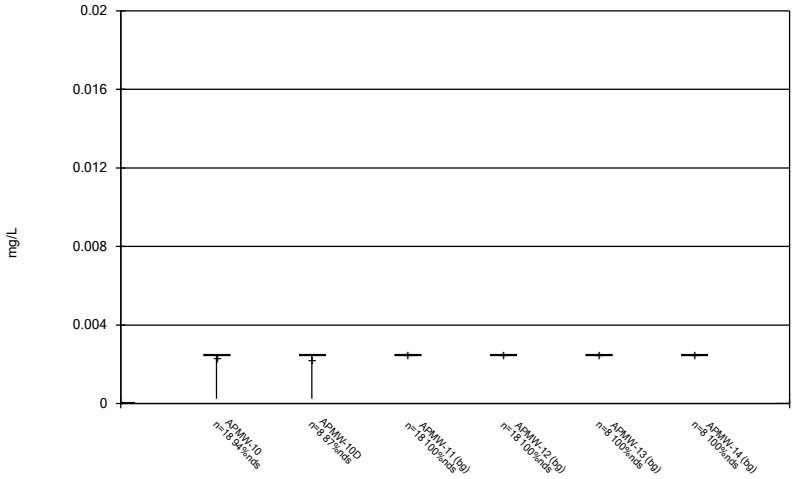
Box & Whiskers Plot



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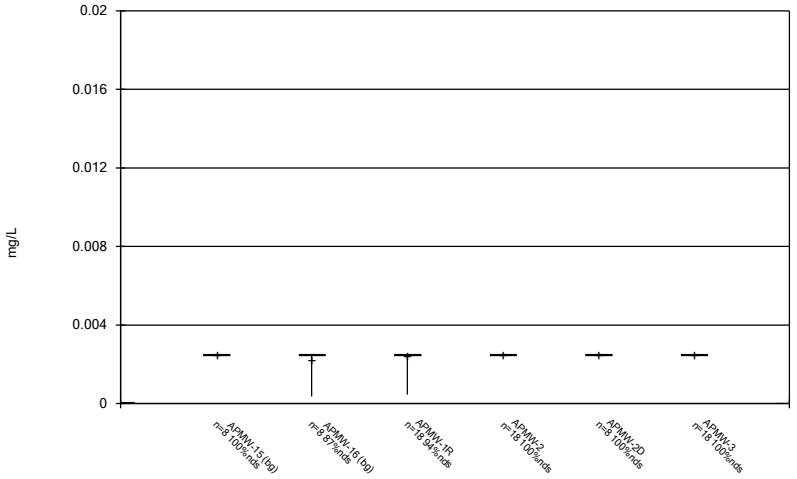

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Plant Watson Data: Plant Watson AP CCR

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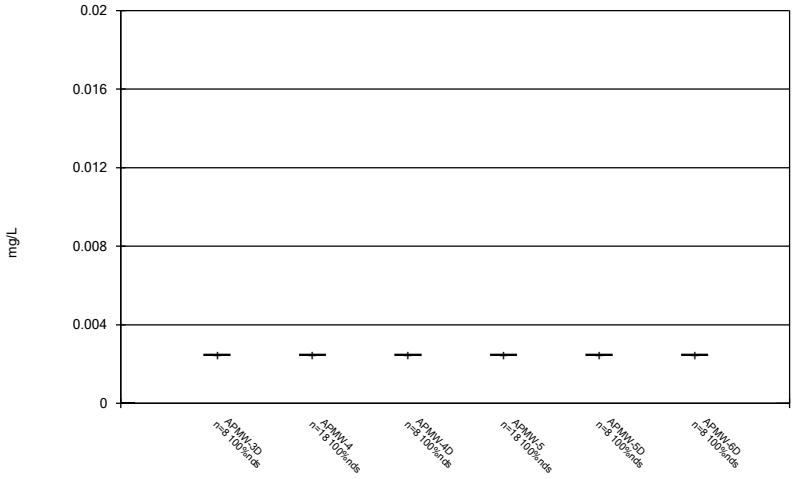

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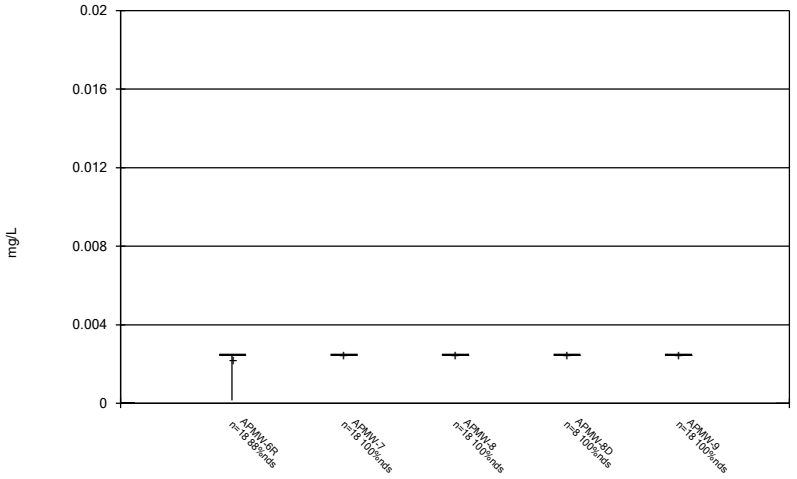
Box & Whiskers Plot



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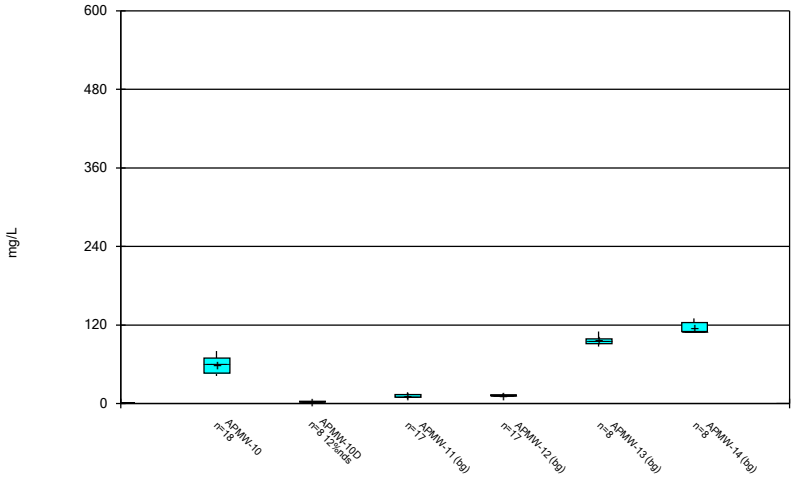
Box & Whiskers Plot



Constituent: Calcium Analysis Run 12/6/2023 11:03 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

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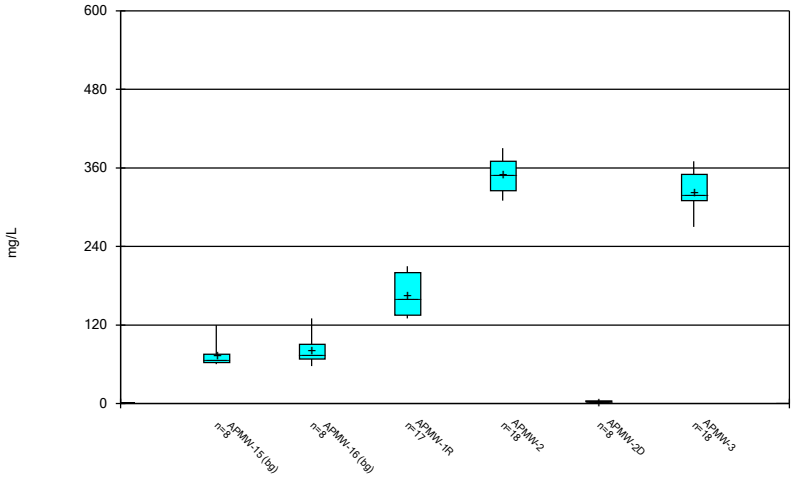
Box & Whiskers Plot



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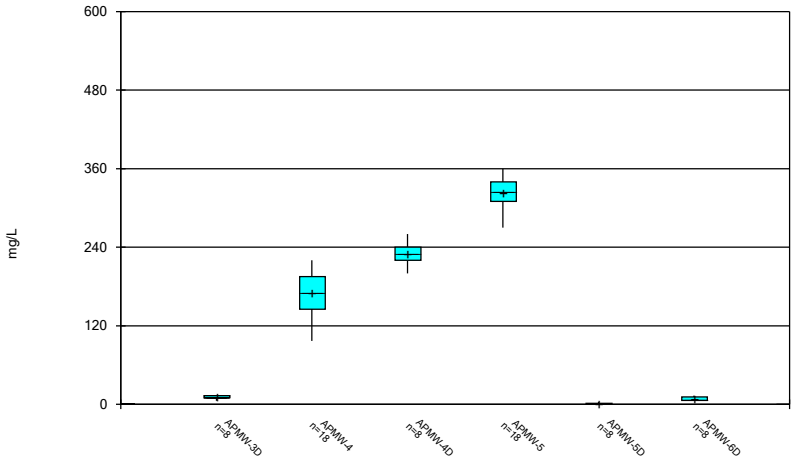
Box & Whiskers Plot



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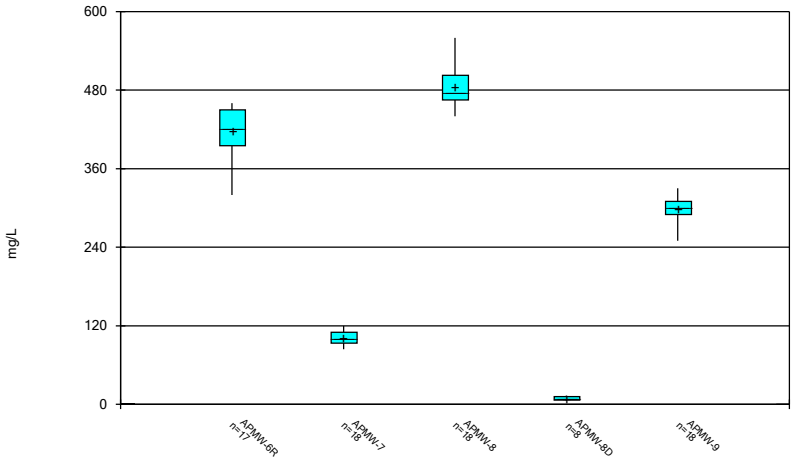
Box & Whiskers Plot



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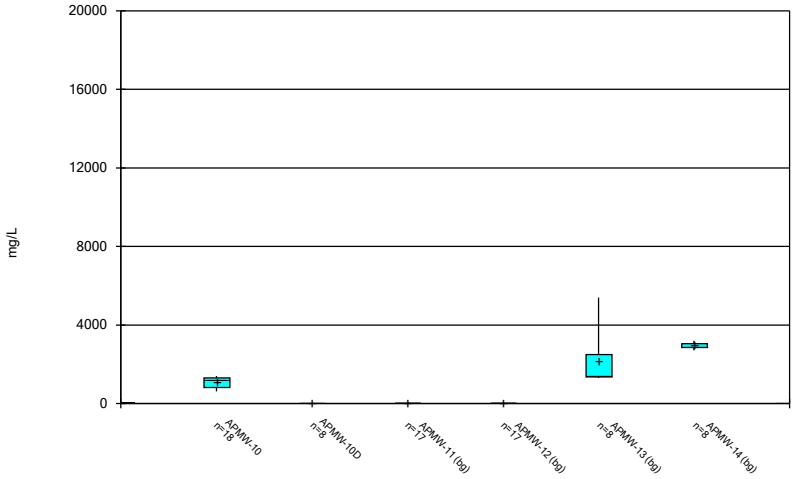
Plant Watson Data: Plant Watson AP CCR

Box & Whiskers Plot



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Plant Watson Data: Plant Watson AP CCR

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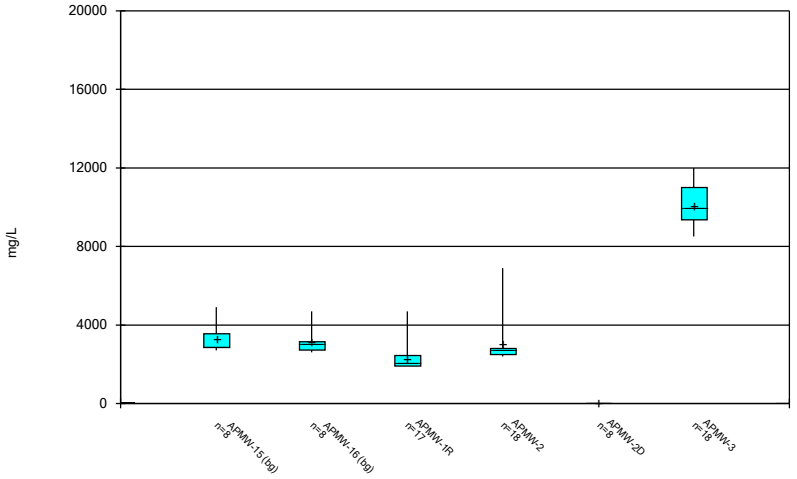
Box & Whiskers Plot



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Plant Watson Data: Plant Watson AP CCR

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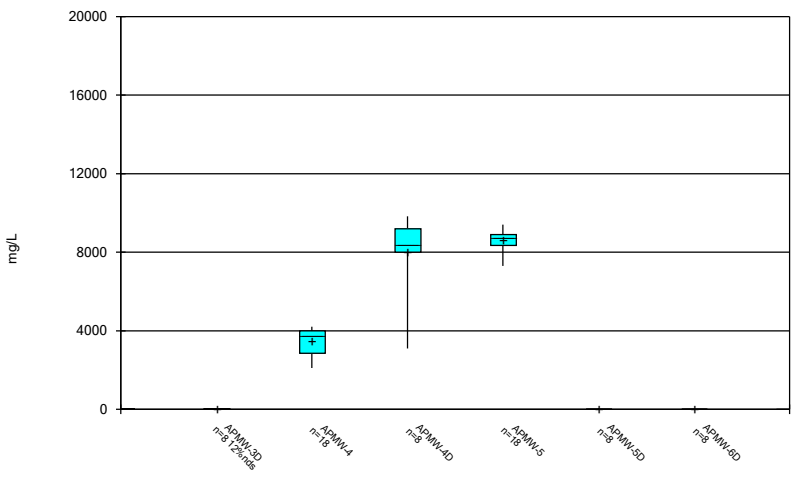
Box & Whiskers Plot



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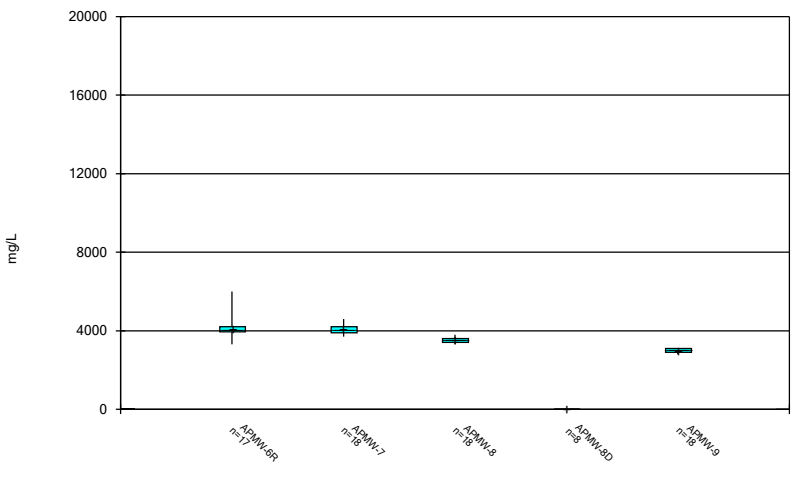
Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot



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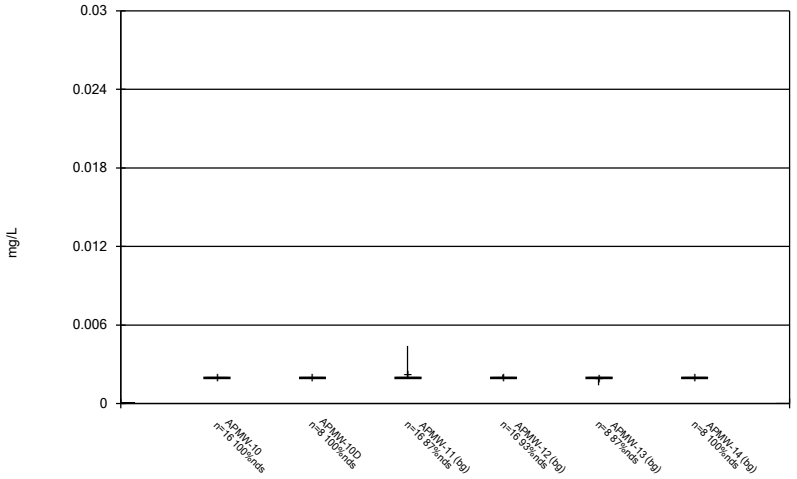
Box & Whiskers Plot



Constituent: Chromium Analysis Run 12/6/2023 11:03 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

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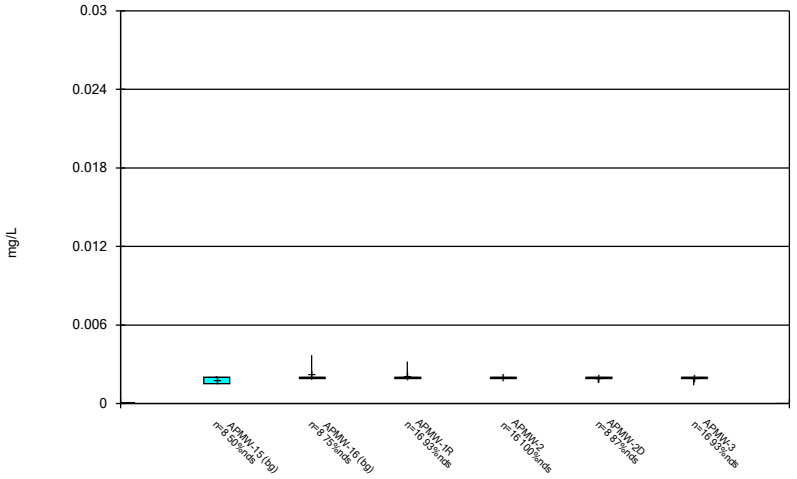
Box & Whiskers Plot



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Plant Watson Data: Plant Watson AP CCR

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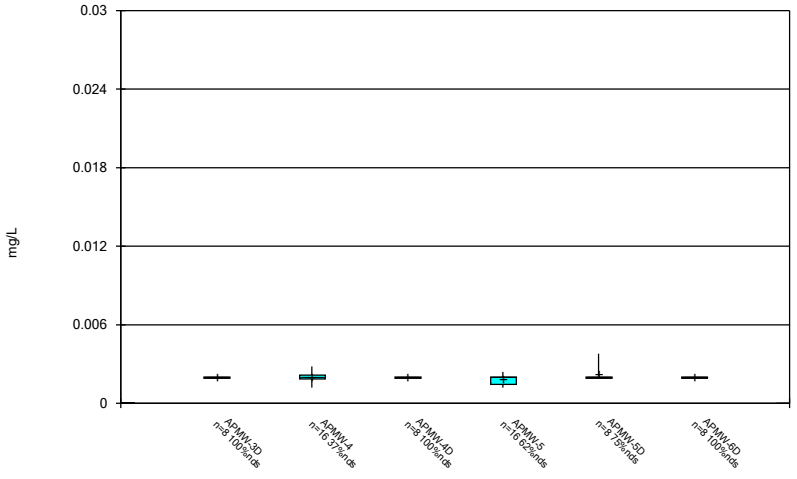
Box & Whiskers Plot



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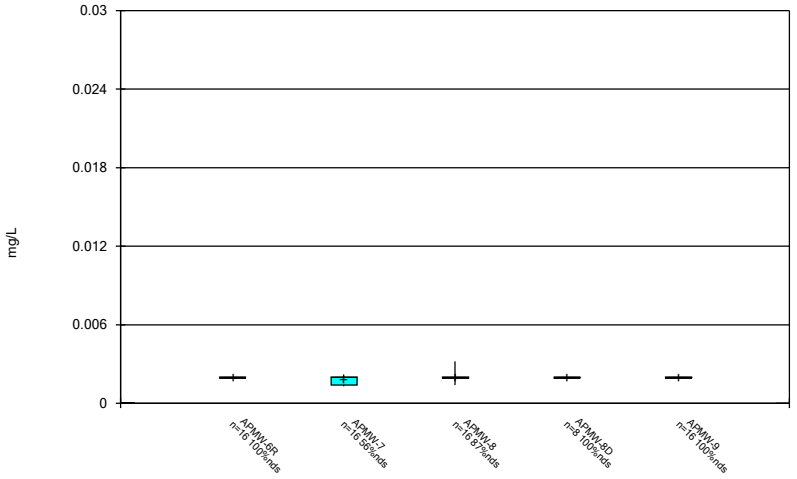
Box & Whiskers Plot



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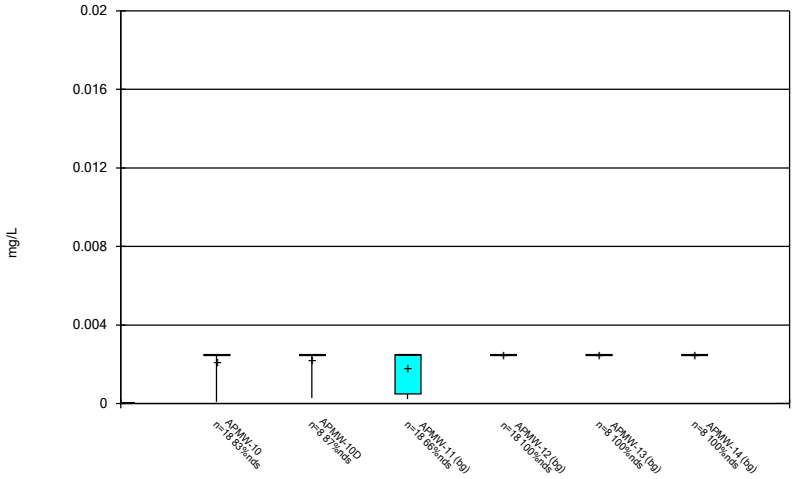
Plant Watson Data: Plant Watson AP CCR

Box & Whiskers Plot



Constituent: Cobalt Analysis Run 12/6/2023 11:03 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

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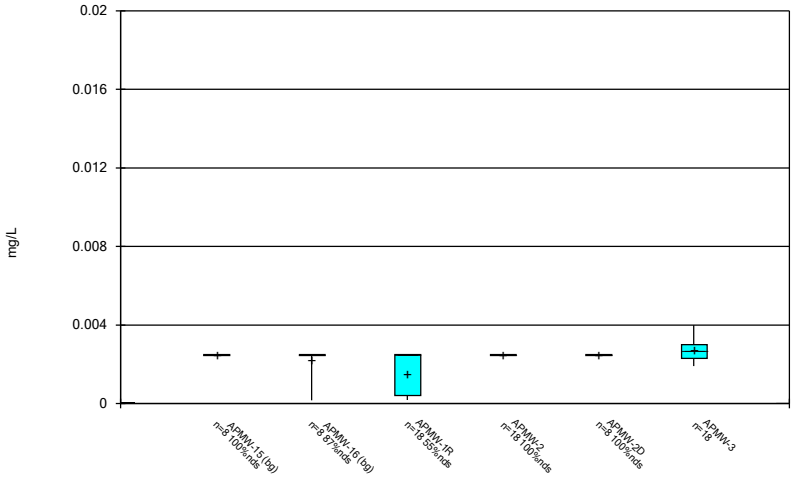
Box & Whiskers Plot



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Plant Watson Data: Plant Watson AP CCR

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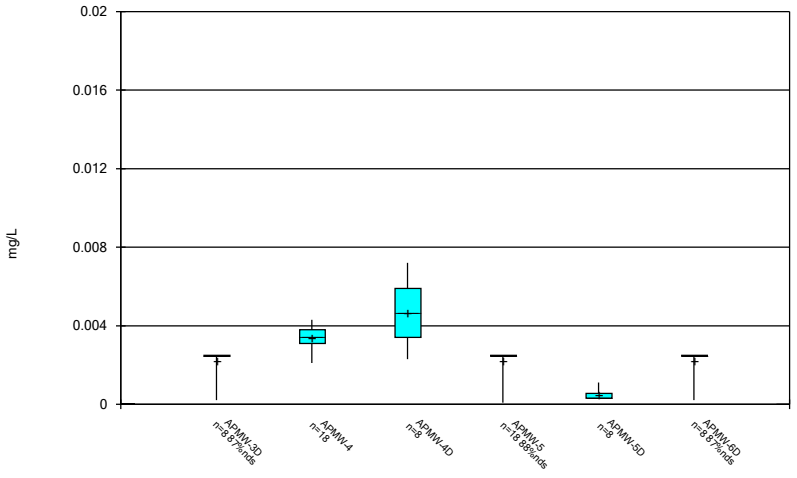
Box & Whiskers Plot



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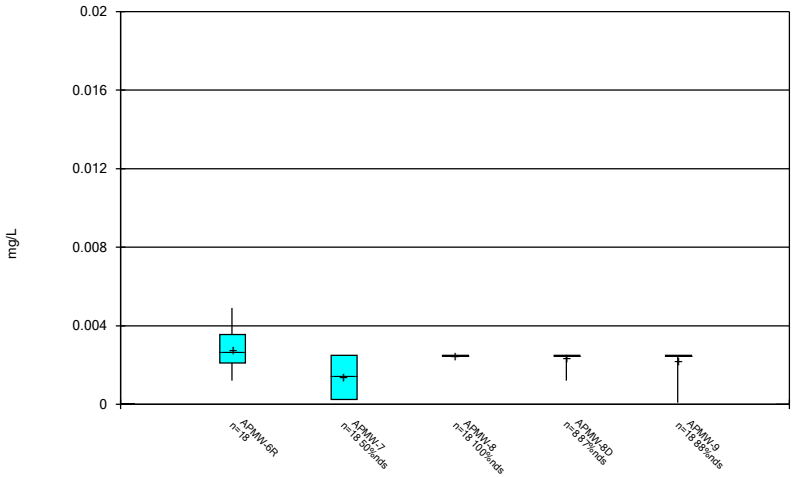
Box & Whiskers Plot



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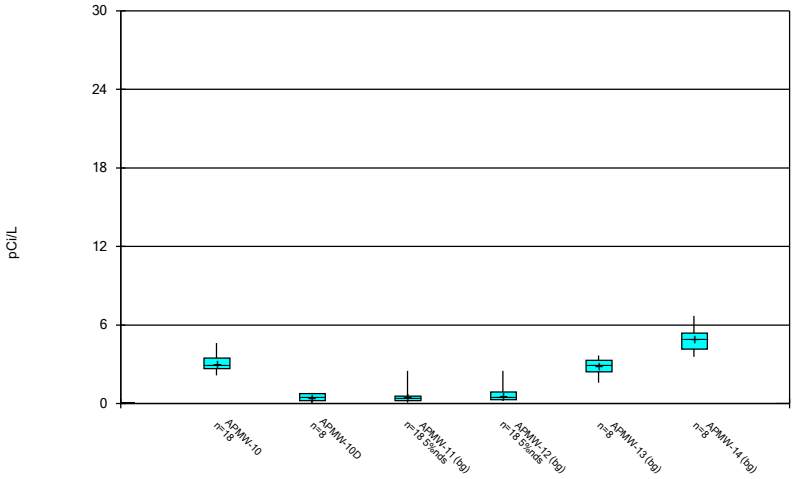
Plant Watson Data: Plant Watson AP CCR

Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 12/6/2023 11:03 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

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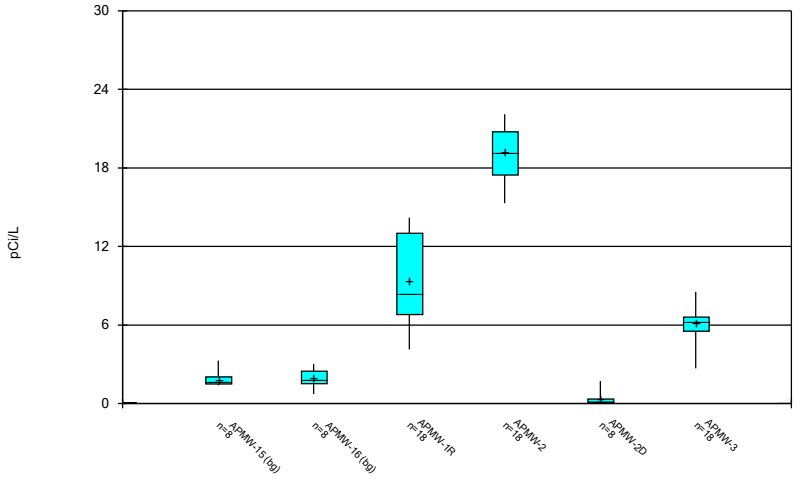
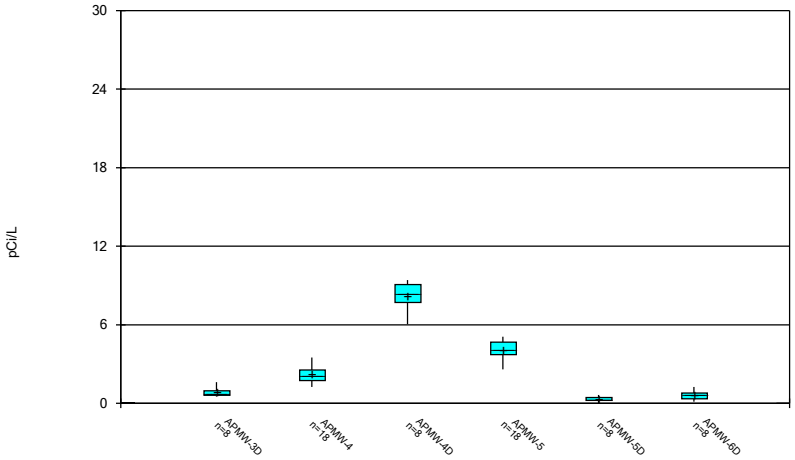
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 12/6/2023 11:03 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot



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Plant Watson Data: Plant Watson AP CCR

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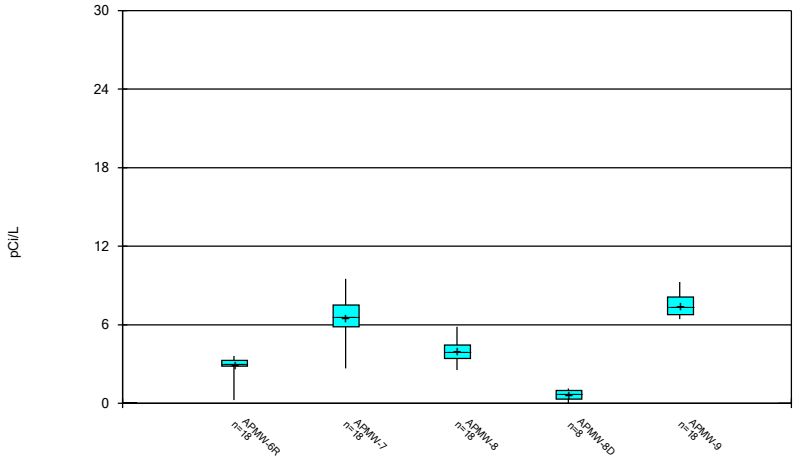
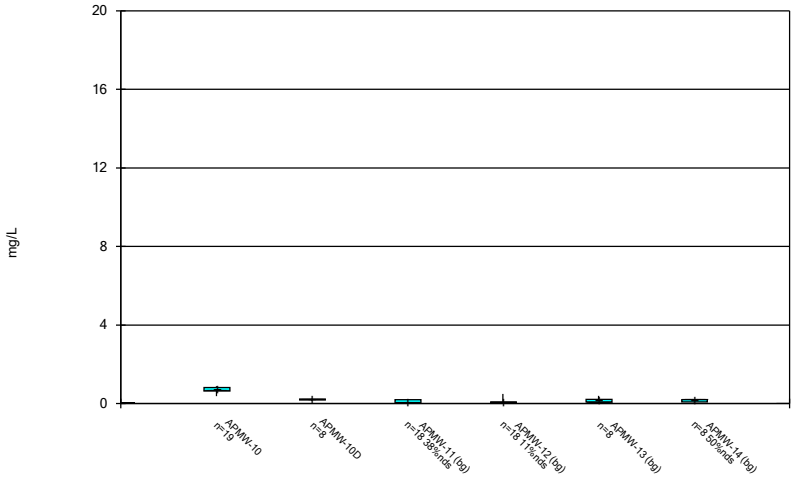
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 12/6/2023 11:03 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Box & Whiskers Plot



Constituent: Fluoride Analysis Run 12/6/2023 11:04 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

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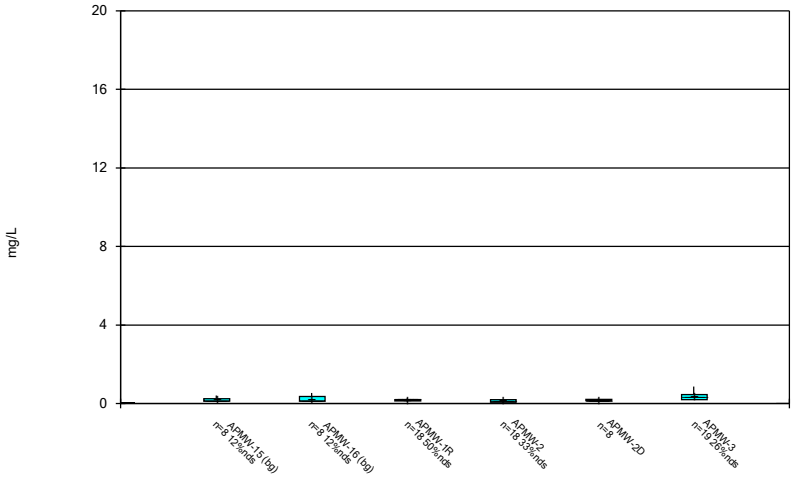
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 12/6/2023 11:04 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

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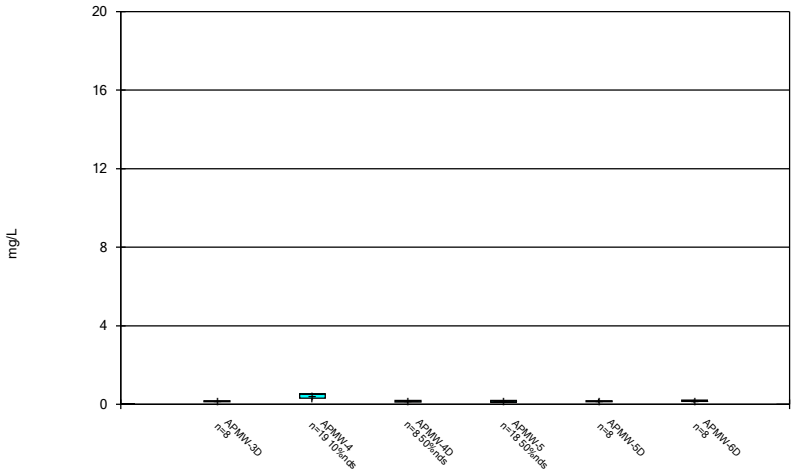
Box & Whiskers Plot



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Plant Watson Data: Plant Watson AP CCR

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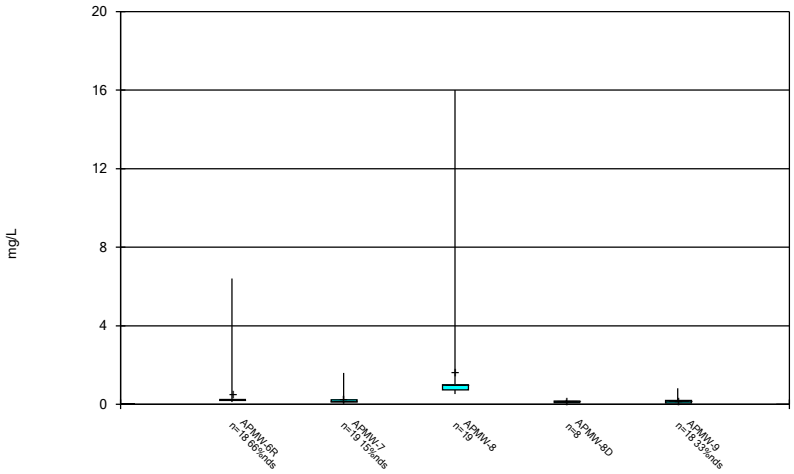
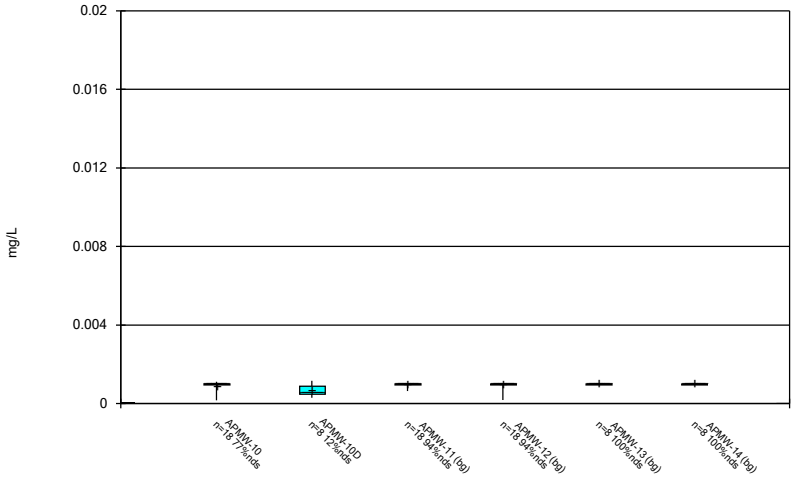
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 12/6/2023 11:04 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Box & Whiskers Plot



Constituent: Lead Analysis Run 12/6/2023 11:04 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

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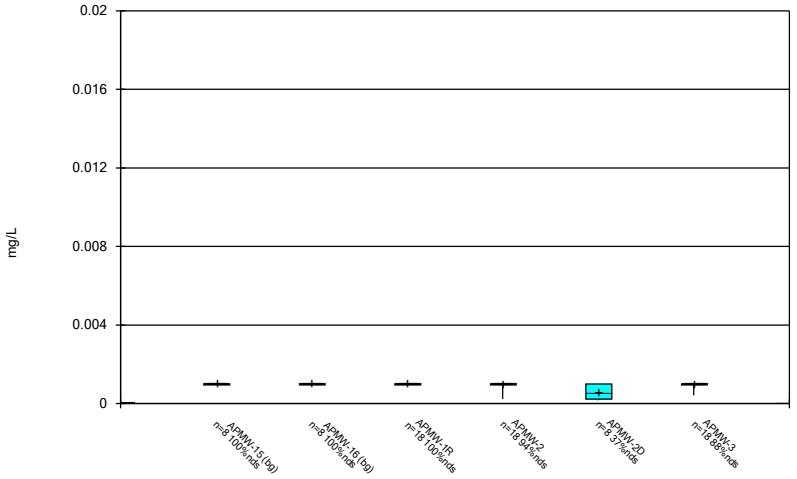
Box & Whiskers Plot



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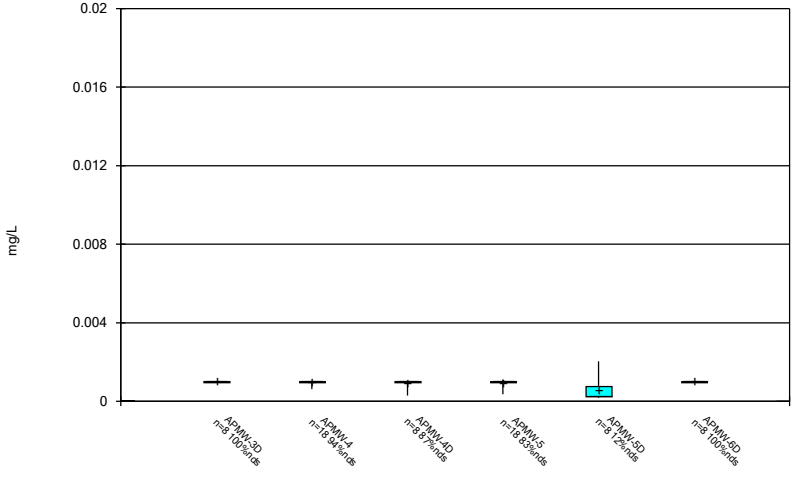
Box & Whiskers Plot



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Plant Watson Data: Plant Watson AP CCR

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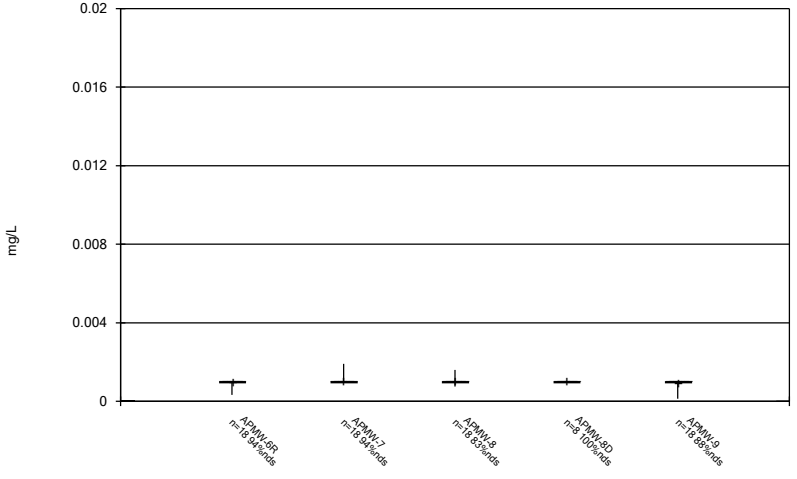
Box & Whiskers Plot



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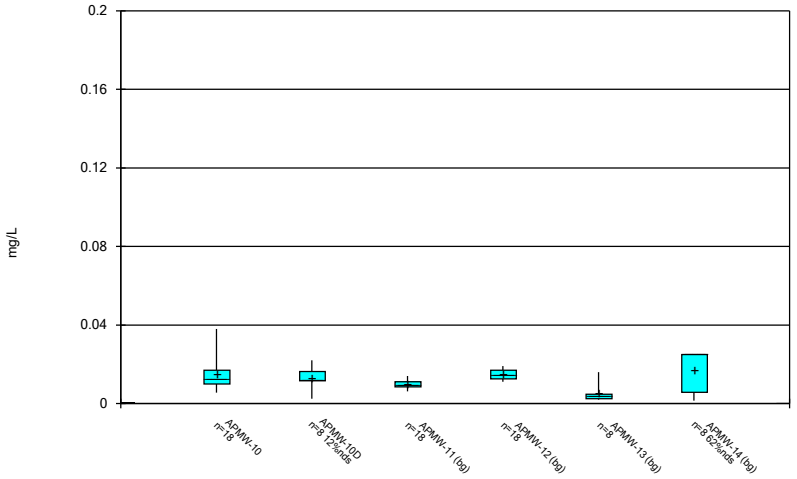
Box & Whiskers Plot



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Plant Watson Data: Plant Watson AP CCR

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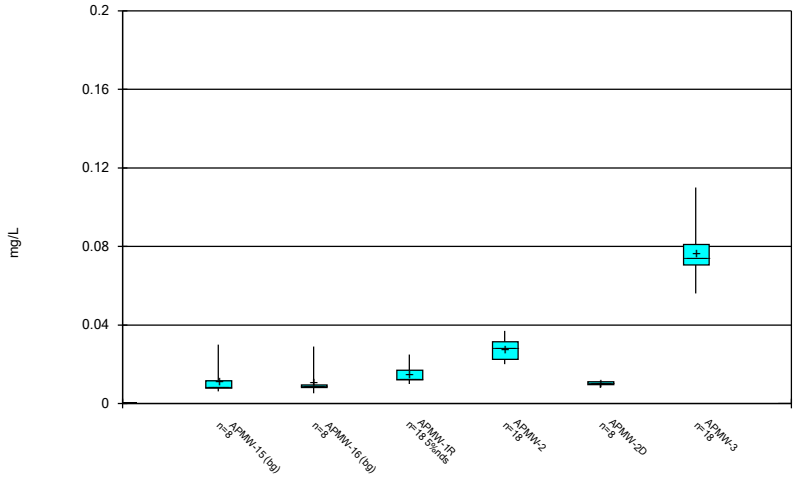
Box & Whiskers Plot



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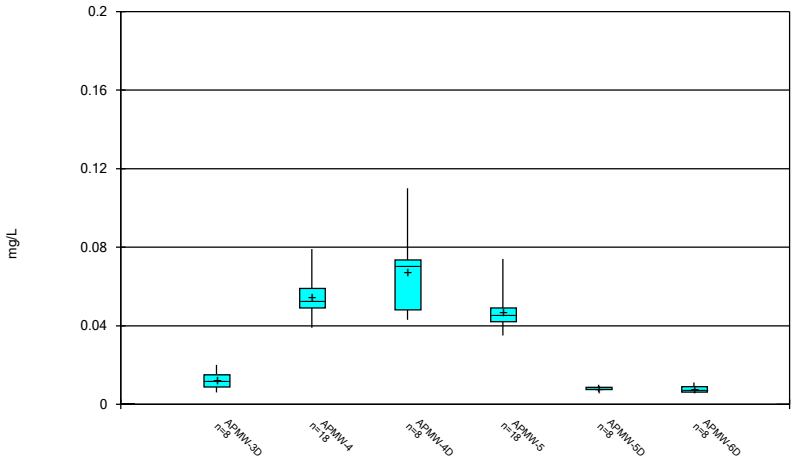
Box & Whiskers Plot



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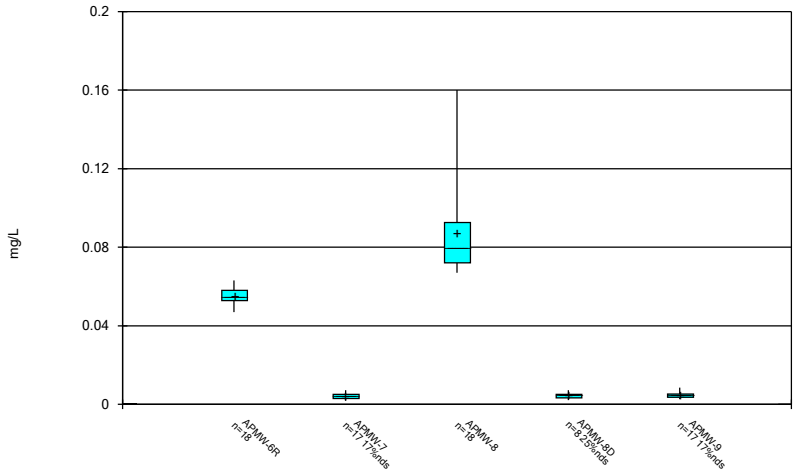
Box & Whiskers Plot



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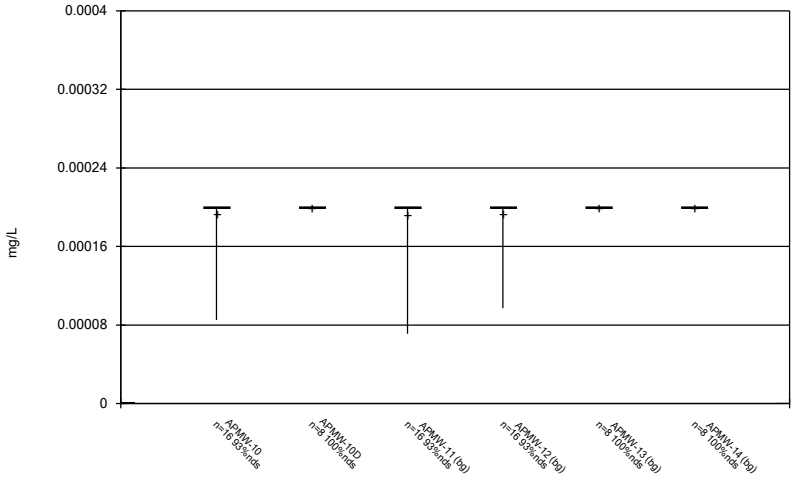
Plant Watson Data: Plant Watson AP CCR

Box & Whiskers Plot



Constituent: Mercury Analysis Run 12/6/2023 11:04 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

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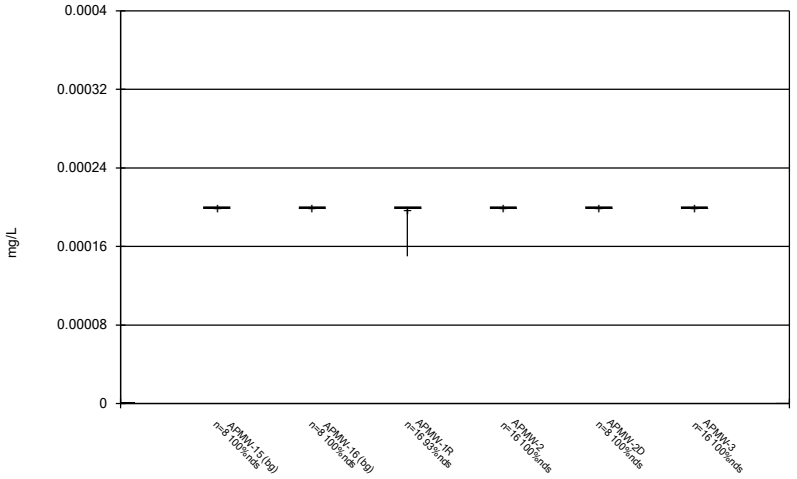
Box & Whiskers Plot



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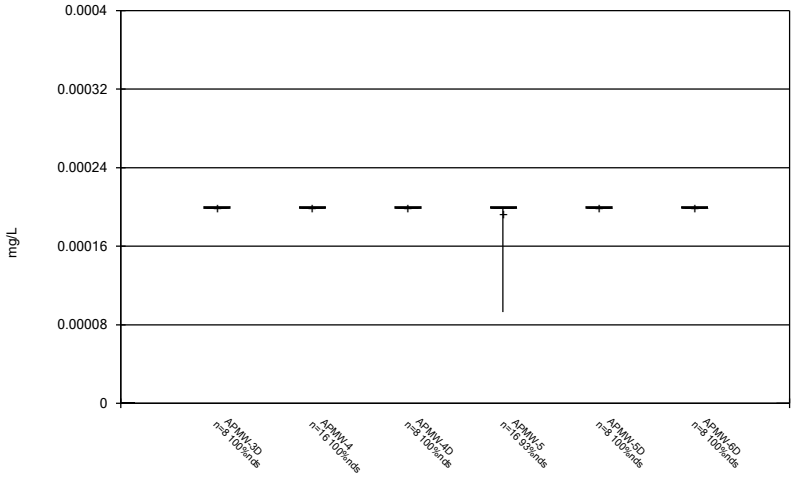
Box & Whiskers Plot



Constituent: Mercury Analysis Run 12/6/2023 11:04 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

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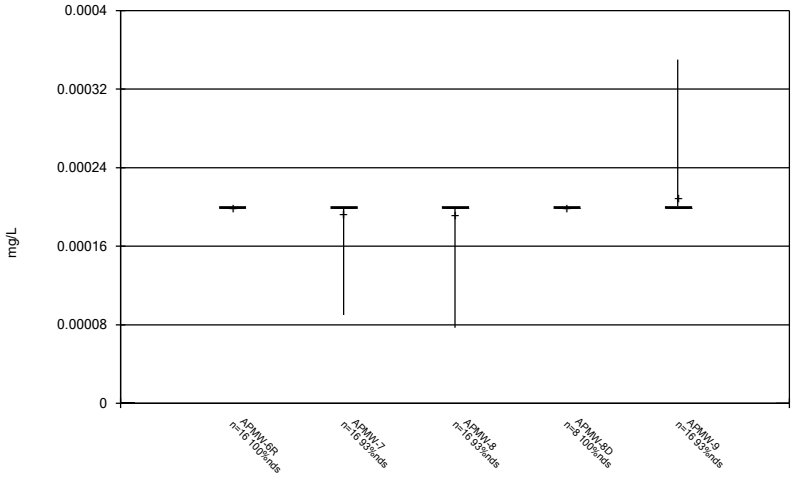
Box & Whiskers Plot



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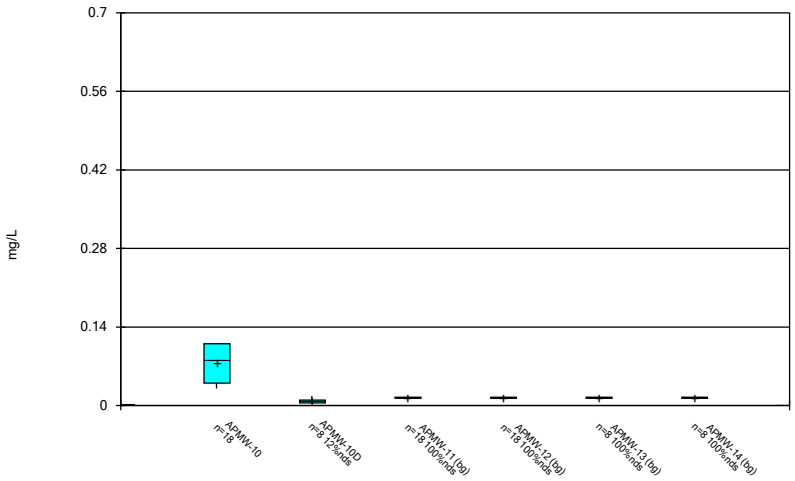
Plant Watson Data: Plant Watson AP CCR

Box & Whiskers Plot



Constituent: Molybdenum Analysis Run 12/6/2023 11:04 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

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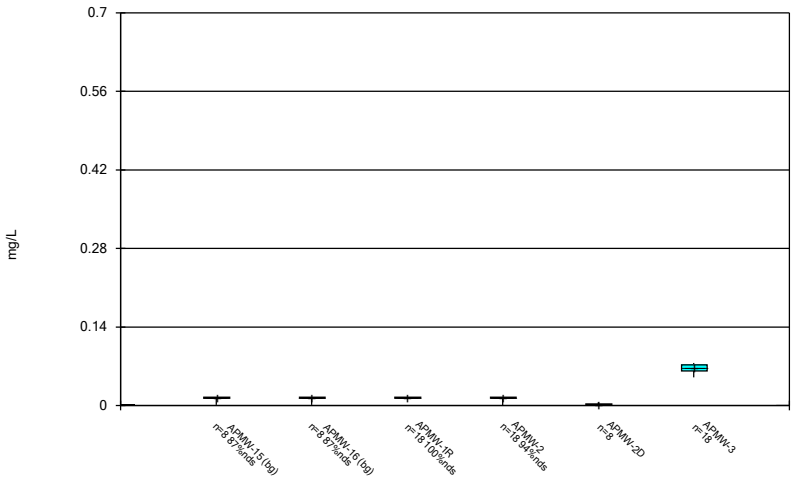
Box & Whiskers Plot



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Plant Watson Data: Plant Watson AP CCR

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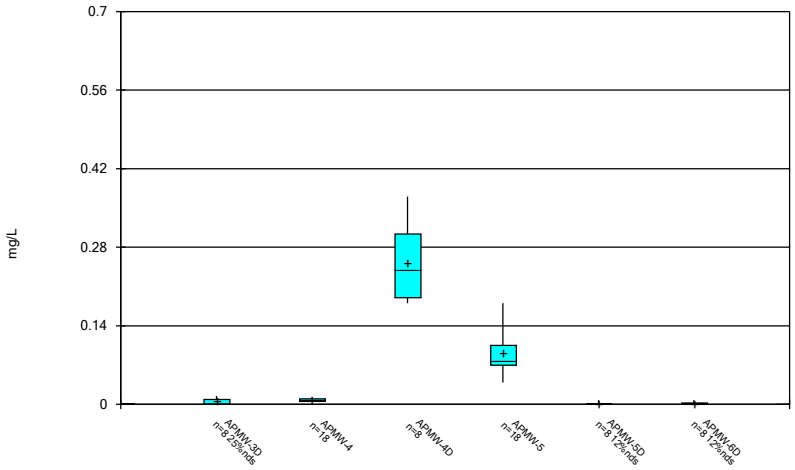
Box & Whiskers Plot



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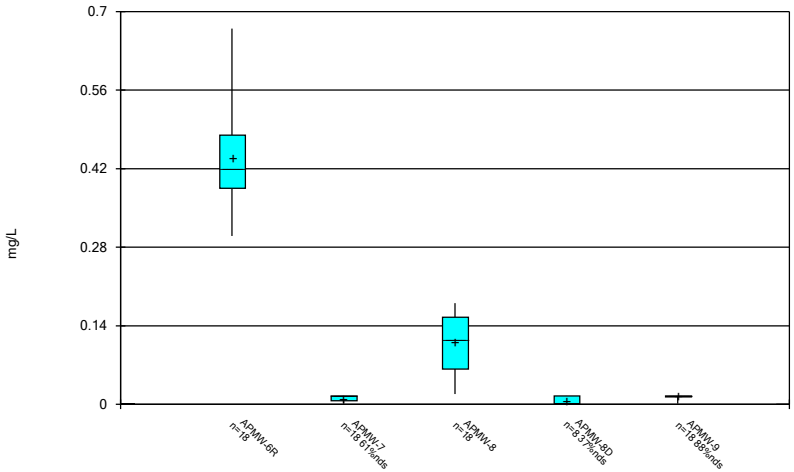
Box & Whiskers Plot



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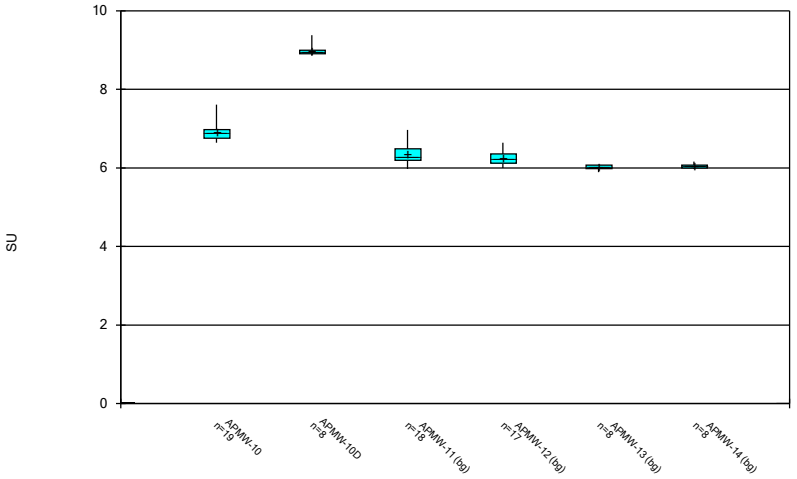
Box & Whiskers Plot



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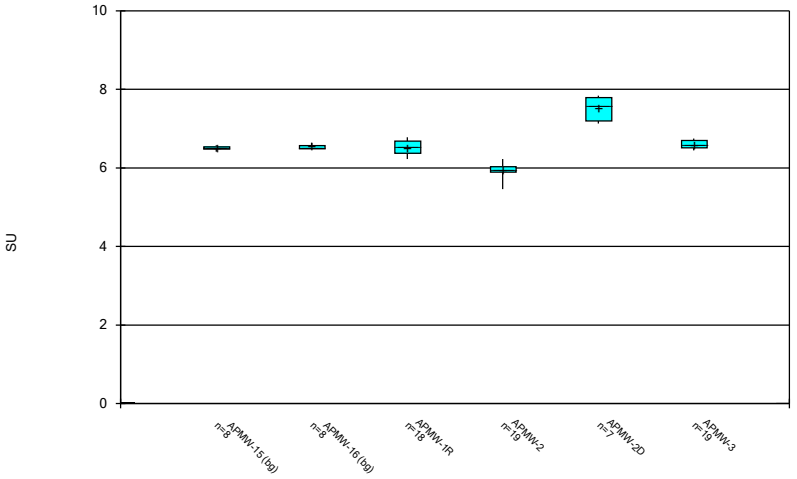
Box & Whiskers Plot



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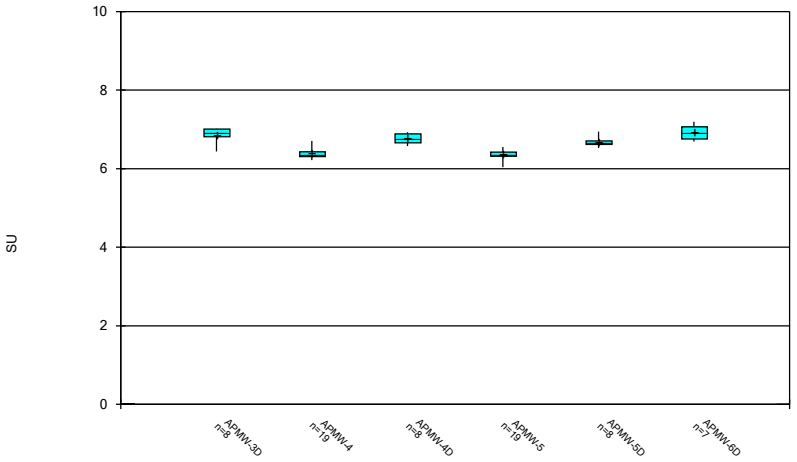
Box & Whiskers Plot



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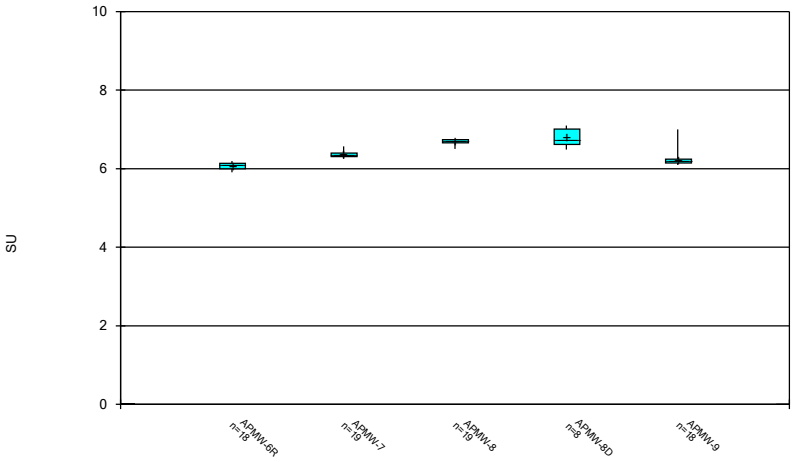
Box & Whiskers Plot



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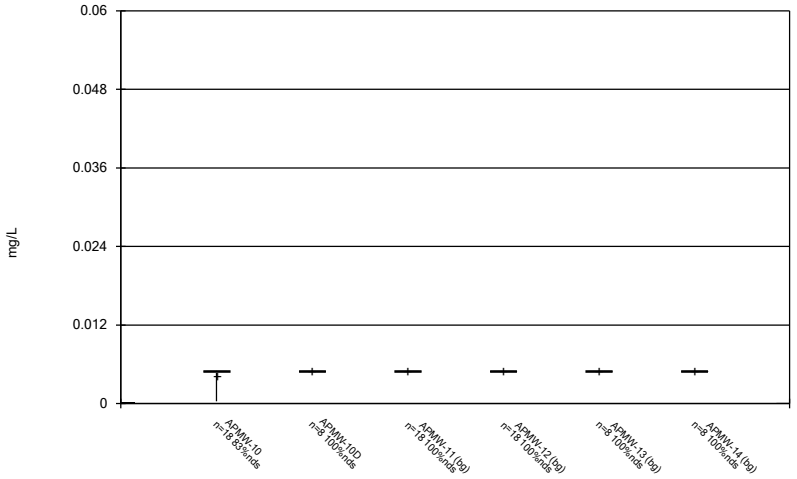
Plant Watson Data: Plant Watson AP CCR

Box & Whiskers Plot



Constituent: Selenium Analysis Run 12/6/2023 11:04 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

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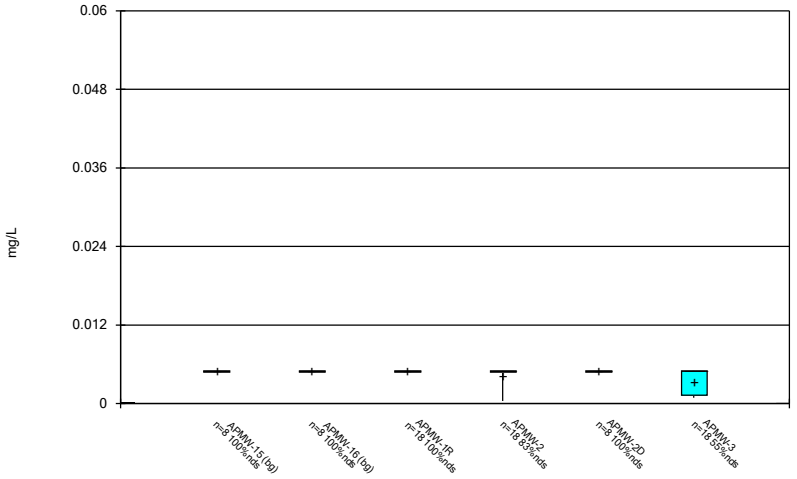
Box & Whiskers Plot



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Plant Watson Data: Plant Watson AP CCR

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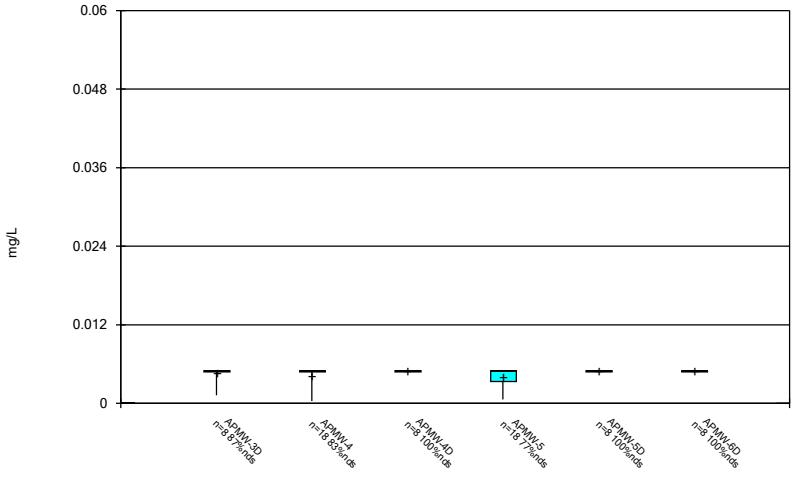
Box & Whiskers Plot



Constituent: Selenium Analysis Run 12/6/2023 11:04 AM View: Desc.
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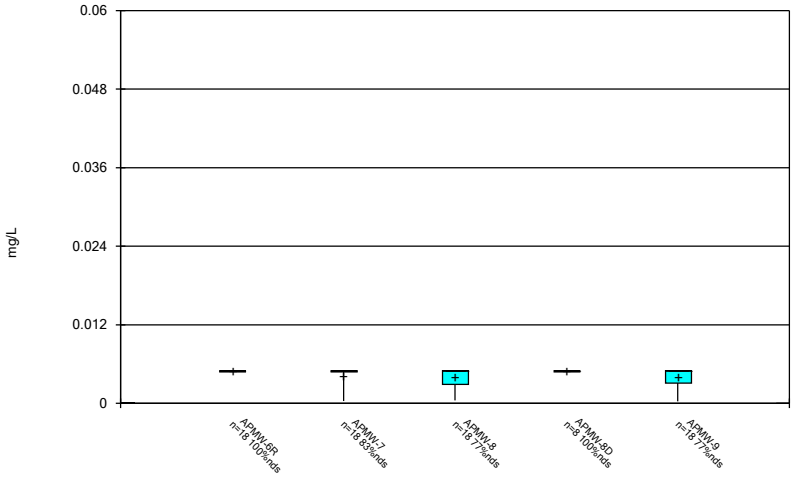
Box & Whiskers Plot



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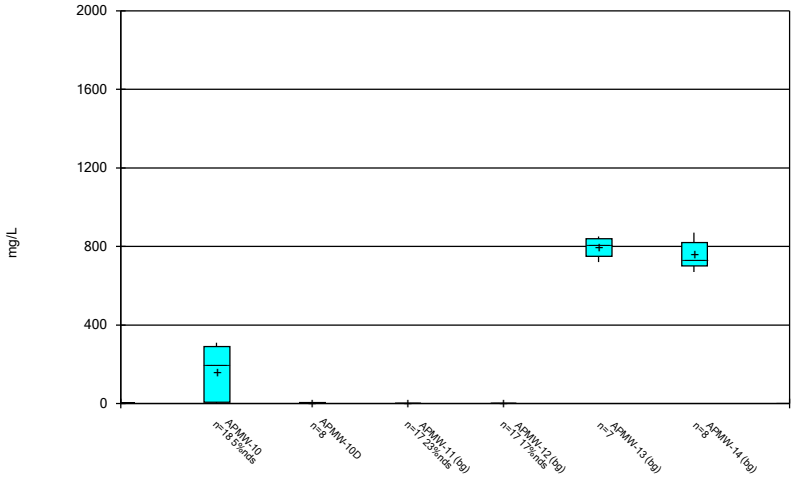
Plant Watson Data: Plant Watson AP CCR

Box & Whiskers Plot



Constituent: Sulfate Analysis Run 12/6/2023 11:04 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

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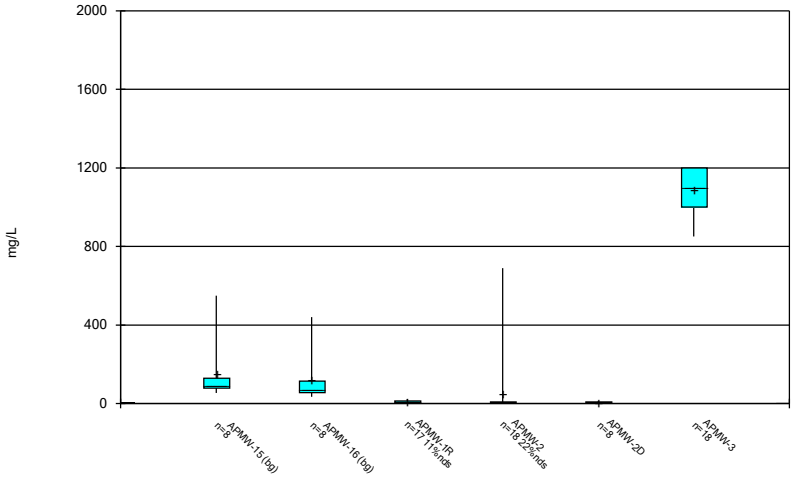
Box & Whiskers Plot



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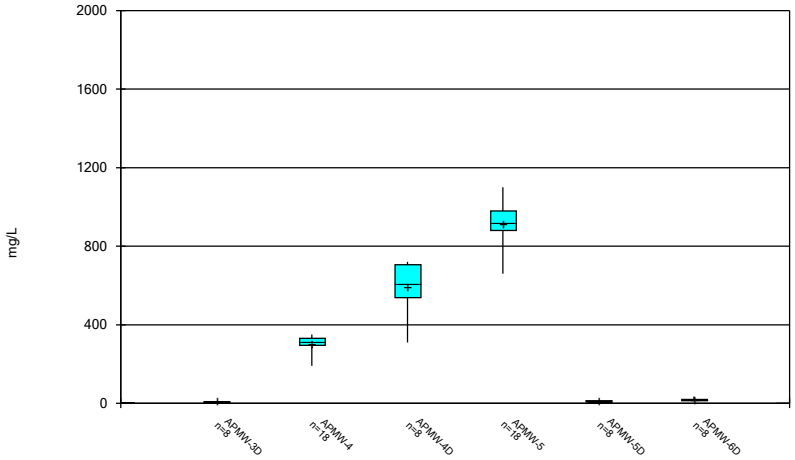
Box & Whiskers Plot



Constituent: Sulfate Analysis Run 12/6/2023 11:04 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

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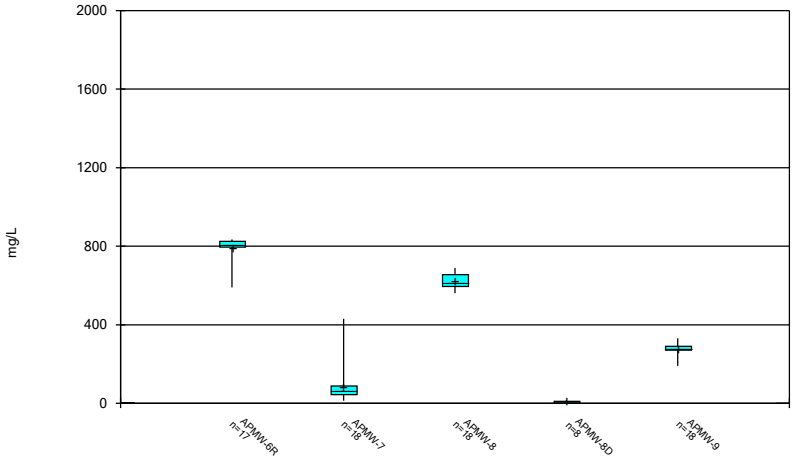
Box & Whiskers Plot



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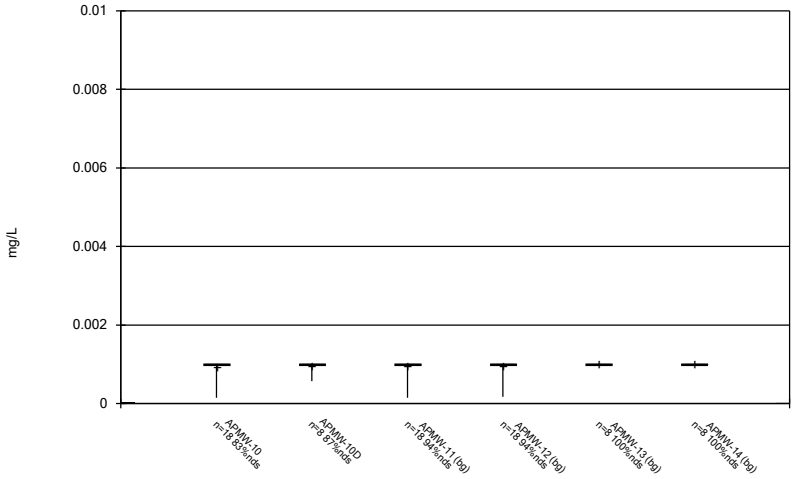
Plant Watson Data: Plant Watson AP CCR

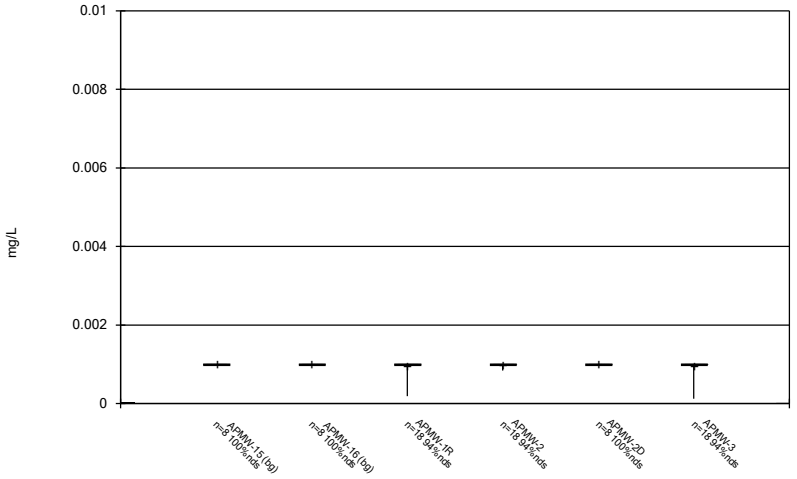
Box & Whiskers Plot



Constituent: Thallium Analysis Run 12/6/2023 11:04 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot



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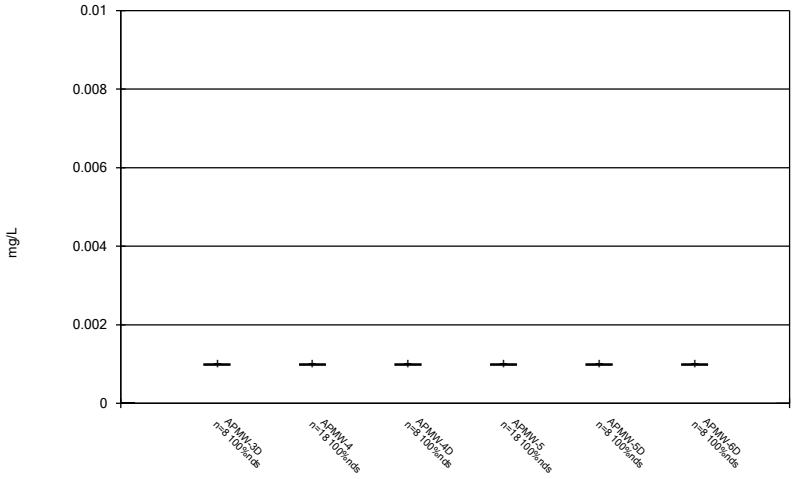
Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot



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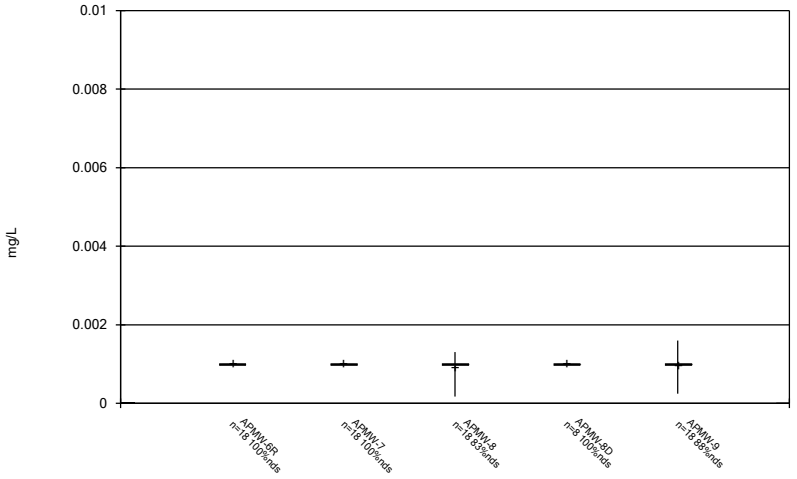
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot



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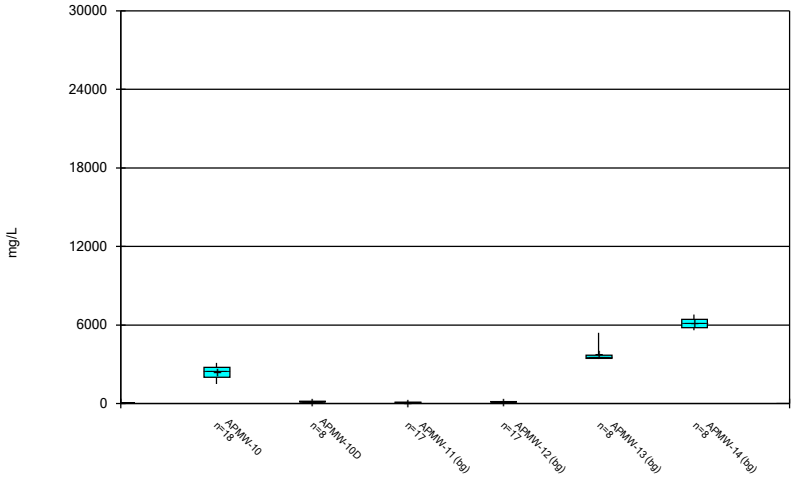
Plant Watson Data: Plant Watson AP CCR

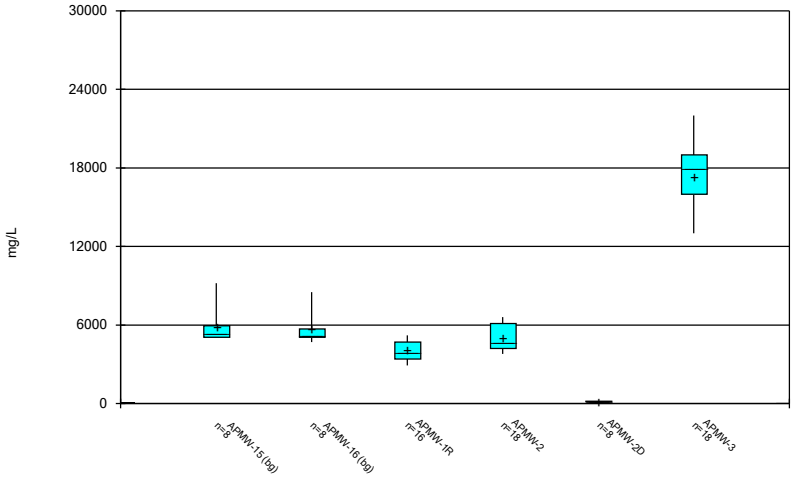
Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 12/6/2023 11:04 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG

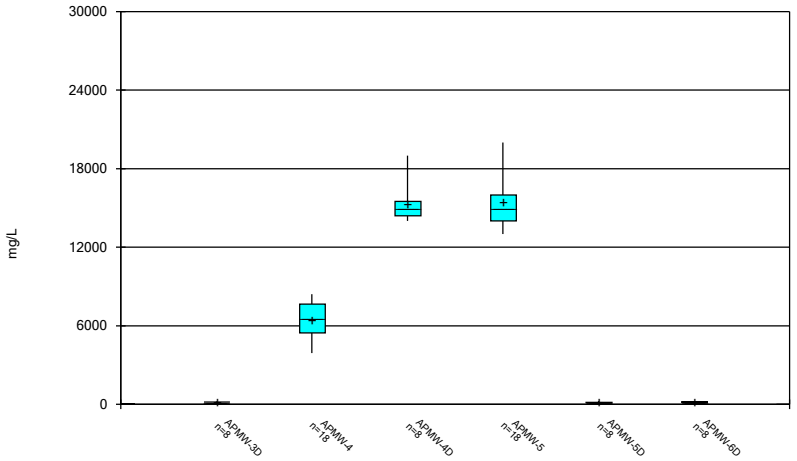
Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 12/6/2023 11:04 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG

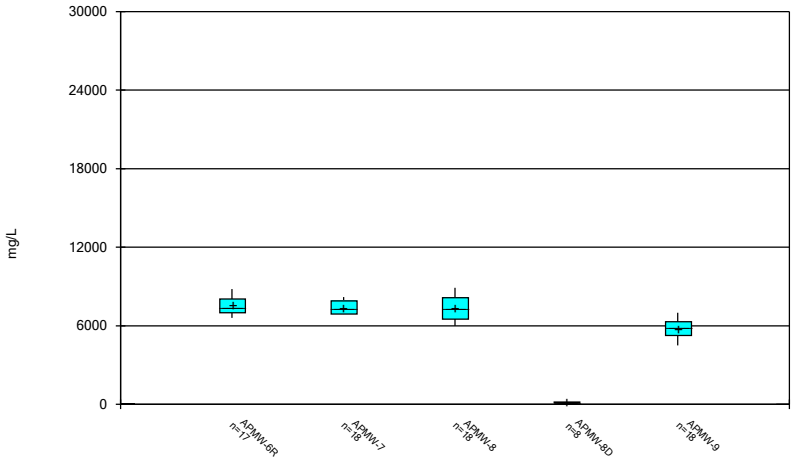
Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 12/6/2023 11:04 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 12/6/2023 11:04 AM View: Desc.
Plant Watson Data: Plant Watson AP CCR

FIGURE C.

Outlier Summary

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 11/30/2023, 11:00 AM

	APMW-2 Fluoride (mg/L)	APMW-5 Fluoride (mg/L)	APMW-9 Fluoride (mg/L)	APMW-7 Lithium (mg/L)	APMW-9 Lithium (mg/L)	APMW-13 Sulfate (mg/L)
11/1/2018					0.018 (o)	
11/2/2018				0.014 (o)		
12/6/2018		1.4 (o)	0.21 (o)			
12/7/2018	4.3 (o)					
11/4/2020						1700 (o)

FIGURE D.

Interwell Prediction Limit Summary - Significant Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 11/30/2023, 9:58 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	TransformAlpha		Method
Boron (mg/L)	APMW-10	1.2	n/a	10/21/2023	2.7	Yes	66	n/a	n/a	19.7	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-1R	1.2	n/a	10/19/2023	5	Yes	66	n/a	n/a	19.7	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-2	1.2	n/a	10/19/2023	3.4	Yes	66	n/a	n/a	19.7	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-3	1.2	n/a	10/19/2023	5	Yes	66	n/a	n/a	19.7	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-5	1.2	n/a	10/20/2023	6	Yes	66	n/a	n/a	19.7	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-6R	1.2	n/a	10/20/2023	13	Yes	66	n/a	n/a	19.7	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-8	1.2	n/a	10/20/2023	21	Yes	66	n/a	n/a	19.7	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-9	1.2	n/a	10/20/2023	7	Yes	66	n/a	n/a	19.7	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-1R	130	n/a	10/19/2023	180	Yes	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-2	130	n/a	10/19/2023	340	Yes	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-3	130	n/a	10/19/2023	270	Yes	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-5	130	n/a	10/20/2023	290	Yes	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-6R	130	n/a	10/20/2023	320	Yes	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-8	130	n/a	10/20/2023	490	Yes	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-9	130	n/a	10/20/2023	250	Yes	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-2	5400	n/a	10/19/2023	6900	Yes	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-3	5400	n/a	10/19/2023	8800	Yes	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-5	5400	n/a	10/20/2023	7300	Yes	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-10	0.54	n/a	10/21/2023	0.58	Yes	68	n/a	n/a	22.06	n/a	n/a	0.0004111	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-8	0.54	n/a	10/20/2023	0.7	Yes	68	n/a	n/a	22.06	n/a	n/a	0.0004111	NP Inter (normality) 1 of 2
pH (SU)	APMW-10	6.754	5.831	10/21/2023	7.06	Yes	67	6.293	0.2309	0	None	No	0.0003761	Param Inter 1 of 2
Sulfate (mg/L)	APMW-3	870	n/a	10/19/2023	980	Yes	65	n/a	n/a	10.77	n/a	n/a	0.0004508	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-3	9200	n/a	10/19/2023	17000	Yes	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-5	9200	n/a	10/20/2023	13000	Yes	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2

Interwell Prediction Limit Summary - All Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 11/30/2023, 9:58 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	TransformAlpha	Method
Boron (mg/L)	**APMW-10**	**1.2**	**n/a**	**10/21/2023**	**2.7**	**Yes**	**66**	**n/a**	**n/a**	**19.7**	**n/a**	**n/a**	**0.0004376**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**APMW-1R**	**1.2**	**n/a**	**10/19/2023**	**5**	**Yes**	**66**	**n/a**	**n/a**	**19.7**	**n/a**	**n/a**	**0.0004376**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**APMW-2**	**1.2**	**n/a**	**10/19/2023**	**3.4**	**Yes**	**66**	**n/a**	**n/a**	**19.7**	**n/a**	**n/a**	**0.0004376**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**APMW-3**	**1.2**	**n/a**	**10/19/2023**	**5**	**Yes**	**66**	**n/a**	**n/a**	**19.7**	**n/a**	**n/a**	**0.0004376**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	APMW-4	1.2	n/a	10/19/2023	0.93	No	66	n/a	n/a	19.7	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Boron (mg/L)	**APMW-5**	**1.2**	**n/a**	**10/20/2023**	**6**	**Yes**	**66**	**n/a**	**n/a**	**19.7**	**n/a**	**n/a**	**0.0004376**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**APMW-6R**	**1.2**	**n/a**	**10/20/2023**	**13**	**Yes**	**66**	**n/a**	**n/a**	**19.7**	**n/a**	**n/a**	**0.0004376**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	APMW-7	1.2	n/a	10/20/2023	1.1	No	66	n/a	n/a	19.7	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Boron (mg/L)	**APMW-8**	**1.2**	**n/a**	**10/20/2023**	**21**	**Yes**	**66**	**n/a**	**n/a**	**19.7**	**n/a**	**n/a**	**0.0004376**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**APMW-9**	**1.2**	**n/a**	**10/20/2023**	**7**	**Yes**	**66**	**n/a**	**n/a**	**19.7**	**n/a**	**n/a**	**0.0004376**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	APMW-10	130	n/a	10/21/2023	44	No	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Calcium (mg/L)	**APMW-1R**	**130**	**n/a**	**10/19/2023**	**180**	**Yes**	**66**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0004376**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-2**	**130**	**n/a**	**10/19/2023**	**340**	**Yes**	**66**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0004376**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-3**	**130**	**n/a**	**10/19/2023**	**270**	**Yes**	**66**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0004376**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	APMW-4	130	n/a	10/19/2023	97	No	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Calcium (mg/L)	**APMW-5**	**130**	**n/a**	**10/20/2023**	**290**	**Yes**	**66**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0004376**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-6R**	**130**	**n/a**	**10/20/2023**	**320**	**Yes**	**66**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0004376**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	APMW-7	130	n/a	10/20/2023	100	No	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Calcium (mg/L)	**APMW-8**	**130**	**n/a**	**10/20/2023**	**490**	**Yes**	**66**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0004376**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-9**	**130**	**n/a**	**10/20/2023**	**250**	**Yes**	**66**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0004376**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	APMW-10	5400	n/a	10/21/2023	630	No	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-1R	5400	n/a	10/19/2023	2300	No	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Chloride (mg/L)	**APMW-2**	**5400**	**n/a**	**10/19/2023**	**6900**	**Yes**	**66**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0004376**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**APMW-3**	**5400**	**n/a**	**10/19/2023**	**8800**	**Yes**	**66**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0004376**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	APMW-4	5400	n/a	10/19/2023	2100	No	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Chloride (mg/L)	**APMW-5**	**5400**	**n/a**	**10/20/2023**	**7300**	**Yes**	**66**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0004376**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	APMW-6R	5400	n/a	10/20/2023	3300	No	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-7	5400	n/a	10/20/2023	3900	No	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-8	5400	n/a	10/20/2023	3400	No	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-9	5400	n/a	10/20/2023	2900	No	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Fluoride (mg/L)	**APMW-10**	**0.54**	**n/a**	**10/21/2023**	**0.58**	**Yes**	**68**	**n/a**	**n/a**	**22.06**	**n/a**	**n/a**	**0.0004111**	**NP Inter (normality) 1 of 2**
Fluoride (mg/L)	APMW-1R	0.54	n/a	10/19/2023	0.12J	No	68	n/a	n/a	22.06	n/a	n/a	0.0004111	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-2	0.54	n/a	10/19/2023	0.2ND	No	68	n/a	n/a	22.06	n/a	n/a	0.0004111	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-3	0.54	n/a	10/19/2023	0.17J	No	68	n/a	n/a	22.06	n/a	n/a	0.0004111	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-4	0.54	n/a	10/19/2023	0.41	No	68	n/a	n/a	22.06	n/a	n/a	0.0004111	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-5	0.54	n/a	10/20/2023	0.2ND	No	68	n/a	n/a	22.06	n/a	n/a	0.0004111	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-6R	0.54	n/a	10/20/2023	0.2ND	No	68	n/a	n/a	22.06	n/a	n/a	0.0004111	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-7	0.54	n/a	10/20/2023	0.026J	No	68	n/a	n/a	22.06	n/a	n/a	0.0004111	NP Inter (normality) 1 of 2
Fluoride (mg/L)	**APMW-8**	**0.54**	**n/a**	**10/20/2023**	**0.7**	**Yes**	**68**	**n/a**	**n/a**	**22.06**	**n/a**	**n/a**	**0.0004111**	**NP Inter (normality) 1 of 2**
Fluoride (mg/L)	APMW-9	0.54	n/a	10/20/2023	0.057J	No	68	n/a	n/a	22.06	n/a	n/a	0.0004111	NP Inter (normality) 1 of 2
pH (SU)	**APMW-10**	**6.754**	**5.831**	**10/21/2023**	**7.06**	**Yes**	**67**	**6.293**	**0.2309**	**0**	**None**	**No**	**0.0003761**	**Param Inter 1 of 2**
pH (SU)	APMW-1R	6.754	5.831	10/19/2023	6.23	No	67	6.293	0.2309	0	None	No	0.0003761	Param Inter 1 of 2
pH (SU)	APMW-2	6.754	5.831	10/19/2023	5.93	No	67	6.293	0.2309	0	None	No	0.0003761	Param Inter 1 of 2
pH (SU)	APMW-3	6.754	5.831	10/19/2023	6.72	No	67	6.293	0.2309	0	None	No	0.0003761	Param Inter 1 of 2
pH (SU)	APMW-4	6.754	5.831	10/19/2023	6.22	No	67	6.293	0.2309	0	None	No	0.0003761	Param Inter 1 of 2
pH (SU)	APMW-5	6.754	5.831	10/20/2023	6.36	No	67	6.293	0.2309	0	None	No	0.0003761	Param Inter 1 of 2
pH (SU)	APMW-6R	6.754	5.831	10/20/2023	6.15	No	67	6.293	0.2309	0	None	No	0.0003761	Param Inter 1 of 2
pH (SU)	APMW-7	6.754	5.831	10/20/2023	6.28	No	67	6.293	0.2309	0	None	No	0.0003761	Param Inter 1 of 2
pH (SU)	APMW-8	6.754	5.831	10/20/2023	6.61	No	67	6.293	0.2309	0	None	No	0.0003761	Param Inter 1 of 2
pH (SU)	APMW-9	6.754	5.831	10/20/2023	6.23	No	67	6.293	0.2309	0	None	No	0.0003761	Param Inter 1 of 2
Sulfate (mg/L)	APMW-10	870	n/a	10/21/2023	2.4J	No	65	n/a	n/a	10.77	n/a	n/a	0.0004508	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-1R	870	n/a	10/19/2023	0.5ND	No	65	n/a	n/a	10.77	n/a	n/a	0.0004508	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-2	870	n/a	10/19/2023	690	No	65	n/a	n/a	10.77	n/a	n/a	0.0004508	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**APMW-3**	**870**	**n/a**	**10/19/2023**	**980**	**Yes**	**65**	**n/a**	**n/a**	**10.77**	**n/a**	**n/a**	**0.0004508**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	APMW-4	870	n/a	10/19/2023	190	No	65	n/a	n/a	10.77	n/a	n/a	0.0004508	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-5	870	n/a	10/20/2023	660	No	65	n/a	n/a	10.77	n/a	n/a	0.0004508	NP Inter (normality) 1 of 2

Interwell Prediction Limit Summary - All Results

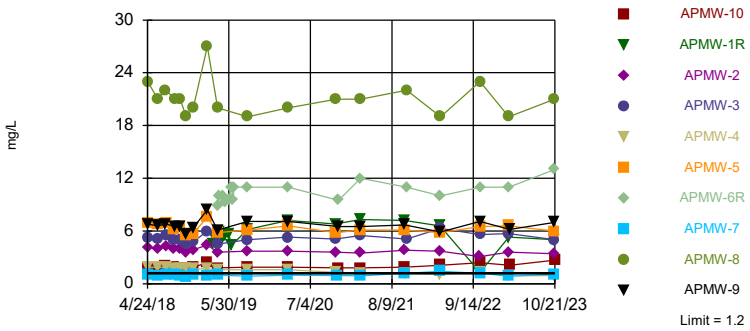
Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 11/30/2023, 9:58 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	TransformAlpha		Method
Sulfate (mg/L)	APMW-6R	870	n/a	10/20/2023	760	No	65	n/a	n/a	10.77	n/a	n/a	0.0004508	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-7	870	n/a	10/20/2023	93	No	65	n/a	n/a	10.77	n/a	n/a	0.0004508	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-8	870	n/a	10/20/2023	590	No	65	n/a	n/a	10.77	n/a	n/a	0.0004508	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-9	870	n/a	10/20/2023	190	No	65	n/a	n/a	10.77	n/a	n/a	0.0004508	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-10	9200	n/a	10/21/2023	1600	No	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-1R	9200	n/a	10/19/2023	4200	No	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-2	9200	n/a	10/19/2023	3900	No	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**APMW-3**	**9200**	**n/a**	**10/19/2023**	**17000**	**Yes**	**66**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0004376**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	APMW-4	9200	n/a	10/19/2023	3900	No	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**APMW-5**	**9200**	**n/a**	**10/20/2023**	**13000**	**Yes**	**66**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0004376**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	APMW-6R	9200	n/a	10/20/2023	7000	No	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-7	9200	n/a	10/20/2023	8000	No	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-8	9200	n/a	10/20/2023	7100	No	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-9	9200	n/a	10/20/2023	5100	No	66	n/a	n/a	0	n/a	n/a	0.0004376	NP Inter (normality) 1 of 2

Exceeds Limit: APMW-10, APMW-1R, APMW-2, APMW-3, APMW-5, APMW-6R, APMW-8, APMW-9

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 66 background values. 19.7% NDs. Annual per-constituent alpha = 0.008715. Individual comparison alpha = 0.0004376 (1 of 2). Comparing 10 points to limit.

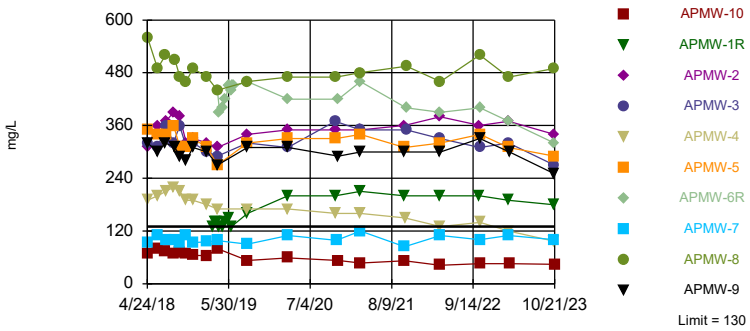
Constituent: Boron Analysis Run 11/30/2023 9:56 AM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Exceeds Limit: APMW-1R, APMW-2, APMW-3, APMW-5, APMW-6R, APMW-8, APMW-9

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 66 background values. Annual per-constituent alpha = 0.008715. Individual comparison alpha = 0.0004376 (1 of 2). Comparing 10 points to limit.

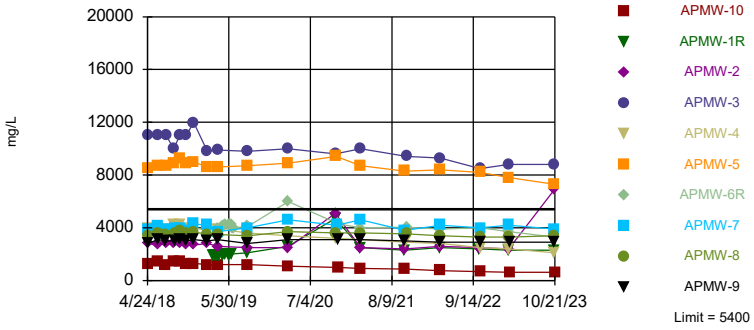
Constituent: Calcium Analysis Run 11/30/2023 9:56 AM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Exceeds Limit: APMW-2, APMW-3, APMW-5

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 66 background values. Annual per-constituent alpha = 0.008715. Individual comparison alpha = 0.0004376 (1 of 2). Comparing 10 points to limit.

Constituent: Chloride Analysis Run 11/30/2023 9:56 AM View: Appendix III

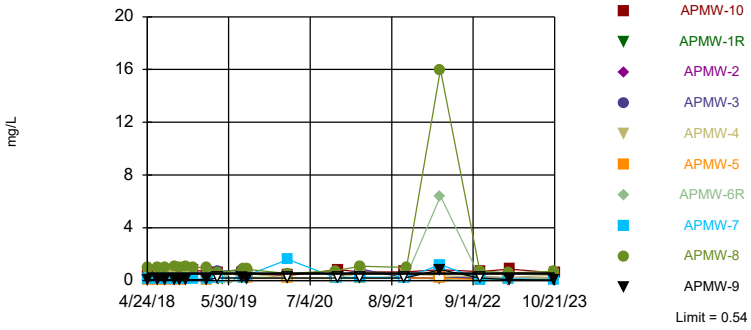
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Hollow symbols indicate censored values.

Exceeds Limit: APMW-10, APMW-8

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 68 background values. 22.06% NDs. Annual per-constituent alpha = 0.00819. Individual comparison alpha = 0.0004111 (1 of 2). Comparing 10 points to limit.

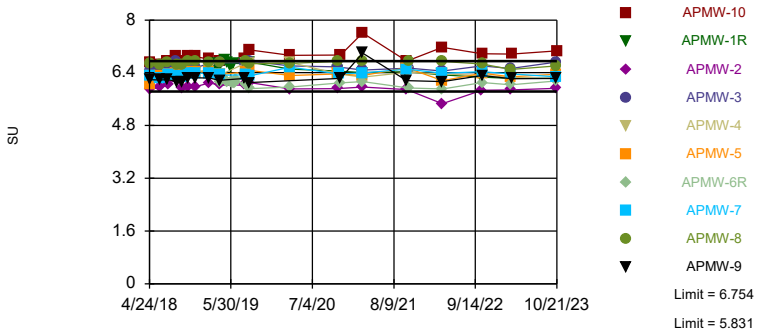
Constituent: Fluoride Analysis Run 11/30/2023 9:56 AM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Exceeds Limits: APMW-10

Prediction Limit

Interwell Parametric



Background Data Summary: Mean=6.293, Std. Dev.=0.2309, n=67. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9601, critical = 0.949. Kappa = 2 (c=7, w=10, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0003761. Comparing 10 points to limit.

Constituent: pH Analysis Run 11/30/2023 9:56 AM View: Appendix III

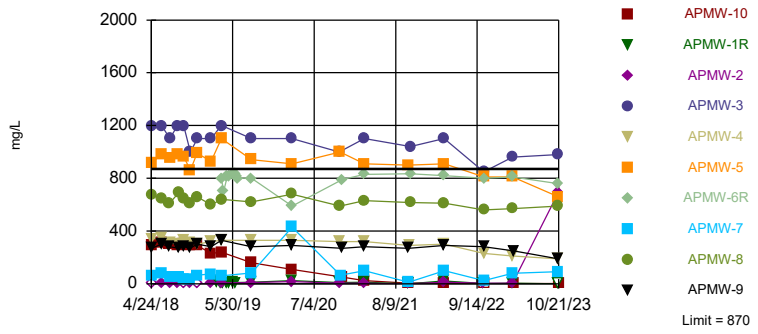
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Hollow symbols indicate censored values.

Exceeds Limit: APMW-3

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 65 background values. 10.77% NDs. Annual per-constituent alpha = 0.008978. Individual comparison alpha = 0.0004508 (1 of 2). Comparing 10 points to limit.

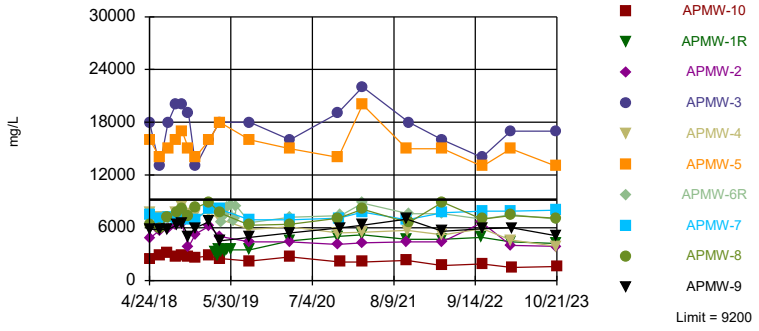
Constituent: Sulfate Analysis Run 11/30/2023 9:56 AM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Exceeds Limit: APMW-3, APMW-5

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 66 background values. Annual per-constituent alpha = 0.008715. Individual comparison alpha = 0.0004376 (1 of 2). Comparing 10 points to limit.

Constituent: Total Dissolved Solids Analysis Run 11/30/2023 9:56 AM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/30/2023 9:58 AM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-2	APMW-3	APMW-4	APMW-5	APMW-8	APMW-7	APMW-10	APMW-9	APMW-12 (bg)
4/24/2018	4.1	5.3	1.9						
4/25/2018				6.9	23	1	1.7	6.8	
6/13/2018							1.7	6.6	
6/14/2018	4	5.1	1.9	6.8	21	0.91			
7/23/2018					22		2	6.8	
7/24/2018	4.3	5.5	1.9	6.9		1			
9/1/2018	4	4.9	1.7	6.2			1.9		
9/6/2018					21	1.1		6.5	
10/1/2018	4	5	1.7						
10/2/2018				6.5	21	0.95	1.8	6.5	
11/1/2018					19		1.8	5.6	
11/2/2018	3.5	4.6	1.7	5.5		0.82			
12/6/2018			1.7	5.7	20	1.1	1.9	6.4	
12/7/2018	3.9	4.8							
2/13/2019	4.4	6	1.7	7.6	27	0.95	2.4	8.4	
3/16/2019									0.035 (J)
3/27/2019									0.033 (JD)
4/3/2019									0.023 (JD)
4/4/2019				5.8	20	0.98	1.8	6.1	
4/5/2019	3.6	4.5	1.6						
4/15/2019									
4/16/2019									<0.08
5/2/2019									
5/3/2019									0.021 (J)
5/14/2019									<0.08
5/28/2019									
5/29/2019									0.044 (J)
6/12/2019									0.047 (J)
6/19/2019									
6/25/2019									
8/29/2019									<0.08
8/30/2019	3.7	5	1.6	6.1	19	0.88	1.9	7.1	
3/16/2020	3.7	5.3	1.6						
3/17/2020				6.6	20	0.98	1.9	7.1	0.057 (J)
7/21/2020									
7/30/2020									
11/3/2020									
11/4/2020									
11/5/2020	3.6	5.1							
11/9/2020			1.3	5.8	21				
11/10/2020						0.94			
11/20/2020							1.8	6.5	0.098
3/8/2021	3.5						1.8	6.5	
3/9/2021		5.5	1.2	6.1	21	0.91			
3/10/2021									0.046 (J)
10/11/2021									0.045 (J)
10/12/2021	3.8			6.1		1.2	1.9	6.7	
10/14/2021			1.2						
10/15/2021									
10/20/2021									
10/21/2021		5.1			22				
4/4/2022									0.082

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/30/2023 9:58 AM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-2	APMW-3	APMW-4	APMW-5	APMW-8	APMW-7	APMW-10	APMW-9	APMW-12 (bg)
4/5/2022	3.7	6.3					2.1		
4/6/2022			1.1	5.8	19	1.4		5.9	
4/7/2022									
10/17/2022	3.1								<0.08
10/18/2022		5.6			23	1.2	2.4	7.1	
10/19/2022			1.3	6.5					
3/7/2023									
3/8/2023	3.6	5.7	0.89						
3/9/2023				6.6	19	0.87			
3/10/2023									
3/13/2023							2.1	6.2	
3/14/2023									<0.08
10/18/2023									
10/19/2023	3.4	5	0.93						
10/20/2023				6	21	1.1		7	
10/21/2023							2.7		0.047 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/30/2023 9:58 AM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-1R	APMW-11 (bg)	APMW-6R	APMW-13 (bg)	APMW-14 (bg)	APMW-15 (bg)	APMW-16 (bg)
4/24/2018							
4/25/2018							
6/13/2018							
6/14/2018							
7/23/2018							
7/24/2018							
9/1/2018							
9/6/2018							
10/1/2018							
10/2/2018							
11/1/2018							
11/2/2018							
12/6/2018							
12/7/2018							
2/13/2019							
3/16/2019	4.5	0.028 (J)					
3/27/2019	5.2	0.027 (JD)					
4/3/2019	5.3	0.089 (D)					
4/4/2019							
4/5/2019			8.9 (D)				
4/15/2019	5.9		10				
4/16/2019		<0.08					
5/2/2019	5.3		10				
5/3/2019		<0.08					
5/14/2019	5.5	<0.08	9.3				
5/28/2019	5.7						
5/29/2019		0.034 (J)	9.5				
6/12/2019	4.4	0.05 (J)	11				
6/19/2019			9.5				
6/25/2019			11				
8/29/2019		<0.08					
8/30/2019	6.2		11				
3/16/2020	7.2						
3/17/2020		0.057 (J)	11				
7/21/2020				0.58	0.718	0.609	
7/30/2020							0.62
11/3/2020						1.2	
11/4/2020	6.8			0.88	0.85		1.2
11/5/2020							
11/9/2020		<0.08					
11/10/2020							
11/20/2020			9.5				
3/8/2021	7.3			0.63	0.71	0.59	0.6
3/9/2021			12				
3/10/2021		<0.08					
10/11/2021		0.053 (J)					
10/12/2021	7.2						
10/14/2021							
10/15/2021					0.78		0.77
10/20/2021			11	0.64		0.65	
10/21/2021							
4/4/2022	6.6	0.11					

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/30/2023 9:58 AM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-1R	APMW-11 (bg)	APMW-6R	APMW-13 (bg)	APMW-14 (bg)	APMW-15 (bg)	APMW-16 (bg)
4/5/2022							
4/6/2022							
4/7/2022			10	0.61	0.71	0.61	0.58
10/17/2022	1.3	<0.08					
10/18/2022							
10/19/2022			11	0.66	0.75	0.73	0.71
3/7/2023		<0.08					
3/8/2023	5.3						
3/9/2023			11				
3/10/2023				0.66	0.69	0.66	0.67
3/13/2023							
3/14/2023							
10/18/2023				0.62	0.77	0.72	0.71
10/19/2023	5						
10/20/2023			13				
10/21/2023		0.056 (J)					

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/30/2023 9:58 AM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-2	APMW-3	APMW-4	APMW-5	APMW-8	APMW-7	APMW-10	APMW-9	APMW-12 (bg)
4/24/2018	310	320	190						
4/25/2018				350	560	93	68	320	
6/13/2018							79	300	
6/14/2018	360	310	200	340	490	110			
7/23/2018					520		73	320	
7/24/2018	370	360	210	340		100			
9/1/2018	390	320	220	360			68		
9/6/2018					510	98		310	
10/1/2018	380	360	210						
10/2/2018				310	470	93	71	290	
11/1/2018					460		67	280	
11/2/2018	320	310	190	310		110			
12/6/2018			190	330	490	94	65	310	
12/7/2018	330	320							
2/13/2019	320	300	180	310	470	95	64	300	
3/16/2019									13
3/27/2019									15 (D)
4/3/2019									13 (D)
4/4/2019				270	440	98	80	270	
4/5/2019	310	290	170						
4/15/2019									
4/16/2019									12
5/2/2019									
5/3/2019									13
5/14/2019									13
5/28/2019									
5/29/2019									15
6/12/2019									14
6/19/2019									
6/25/2019									
8/29/2019									12
8/30/2019	340	320	170	320	460	90	53	310	
3/16/2020	350	310	170						
3/17/2020				330	470	110	59	310	12
7/21/2020									
7/30/2020									
11/3/2020									
11/4/2020									
11/5/2020	350	370							
11/9/2020			160	330	470				
11/10/2020						99			
11/20/2020							53	290	12
3/8/2021	350						47	300	
3/9/2021		350	160	340	480	120			
3/10/2021									12
10/11/2021									12
10/12/2021	360			310		84	52	300	
10/14/2021			150						
10/15/2021									
10/20/2021									
10/21/2021		350 (D)			495 (D)				
4/4/2022									12

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/30/2023 9:58 AM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-2	APMW-3	APMW-4	APMW-5	APMW-8	APMW-7	APMW-10	APMW-9	APMW-12 (bg)
4/5/2022	380	330					42		
4/6/2022			130	320	460	110		300	
4/7/2022									
10/17/2022	360								10
10/18/2022		310			520	100	46	330	
10/19/2022			140	340					
3/7/2023									
3/8/2023	370	320	120						
3/9/2023				310	470	110			
3/10/2023									
3/13/2023							46	300	
3/14/2023									12
10/18/2023									
10/19/2023	340	270	97						
10/20/2023				290	490	100		250	
10/21/2023							44		12

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/30/2023 9:58 AM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-1R	APMW-11 (bg)	APMW-6R	APMW-13 (bg)	APMW-14 (bg)	APMW-15 (bg)	APMW-16 (bg)
4/24/2018							
4/25/2018							
6/13/2018							
6/14/2018							
7/23/2018							
7/24/2018							
9/1/2018							
9/6/2018							
10/1/2018							
10/2/2018							
11/1/2018							
11/2/2018							
12/6/2018							
12/7/2018							
2/13/2019							
3/16/2019	130	17					
3/27/2019	140	16 (D)					
4/3/2019	140	15 (D)					
4/4/2019							
4/5/2019			440 (D)				
4/15/2019	130		390				
4/16/2019		13					
5/2/2019	130		400				
5/3/2019		12					
5/14/2019	140	14	420				
5/28/2019	150						
5/29/2019		7	450				
6/12/2019	130	13	440				
6/19/2019			450				
6/25/2019			450				
8/29/2019		9.4					
8/30/2019	160		460				
3/16/2020	200						
3/17/2020		9.8	420				
7/21/2020				97.7	127	81.7	
7/30/2020							99.2
11/3/2020						120	
11/4/2020	200			110	120		130
11/5/2020							
11/9/2020		11					
11/10/2020							
11/20/2020			420				
3/8/2021	210			92	110	69	69
3/9/2021			460				
3/10/2021		12					
10/11/2021		11					
10/12/2021	200						
10/14/2021							
10/15/2021					110		75
10/20/2021			400 (D)	97		68 (D)	
10/21/2021							
4/4/2022	200	11					

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/30/2023 9:58 AM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-1R	APMW-11 (bg)	APMW-6R	APMW-13 (bg)	APMW-14 (bg)	APMW-15 (bg)	APMW-16 (bg)
4/5/2022							
4/6/2022							
4/7/2022			390	96	110	64	67
10/17/2022	200	9.5					
10/18/2022							
10/19/2022			400	100	110	65	82
3/7/2023		9.7					
3/8/2023	190						
3/9/2023			370				
3/10/2023				91	110	60	57
3/13/2023							
3/14/2023							
10/18/2023				87	130	61	73
10/19/2023	180						
10/20/2023			320				
10/21/2023		10					

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/30/2023 9:58 AM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-2	APMW-3	APMW-4	APMW-5	APMW-8	APMW-7	APMW-10	APMW-9	APMW-12 (bg)
4/24/2018	2800	11000	4000						
4/25/2018				8500	3400	3900	1300	2800	
6/13/2018							1400	3100	
6/14/2018	2700	11000	4000	8700	3600	4100			
7/23/2018					3500		1200	3000	
7/24/2018	2800	11000	3900	8700		3900			
9/1/2018	2800	10000	4200	8900			1400		
9/6/2018					3600	4000		3000	
10/1/2018	2800	11000	4200						
10/2/2018				9300	3800	4000	1400	3100	
11/1/2018					3600		1300	3000	
11/2/2018	2700	11000	4000	8900		3800			
12/6/2018			4000	9000	3700	4300	1300	3100	
12/7/2018	2700	12000							
2/13/2019	2800	9800	3800	8600	3500	4200	1200	3000	
3/16/2019									14
3/27/2019									15 (D)
4/3/2019									15 (D)
4/4/2019				8600	3500	3700	1200	3100	
4/5/2019	2600	9900	3900						
4/15/2019									
4/16/2019									14
5/2/2019									
5/3/2019									15
5/14/2019									15
5/28/2019									
5/29/2019									14
6/12/2019									15
6/19/2019									
6/25/2019									
8/29/2019									14
8/30/2019	2500	9800	3600	8700	3400	4000	1200	2800	
3/16/2020	2500	10000	3400						
3/17/2020				8900	3700	4600	1100	3100	14
7/21/2020									
7/30/2020									
11/3/2020									
11/4/2020									
11/5/2020	5100	9600							
11/9/2020			3200	9400	3600				
11/10/2020						4200			
11/20/2020							1000	3100	16
3/8/2021	2500						920	3100	
3/9/2021		10000	3100	8700	3600	4600			
3/10/2021									15
10/11/2021									15
10/12/2021	2400			8300		3800	860	3000	
10/14/2021			2900						
10/15/2021									
10/20/2021									
10/21/2021		9400 (D)			3550 (D)				
4/4/2022									14

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/30/2023 9:58 AM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-2	APMW-3	APMW-4	APMW-5	APMW-8	APMW-7	APMW-10	APMW-9	APMW-12 (bg)
4/5/2022	2600	9300					760		
4/6/2022			2800	8400	3400	4200		2900	
4/7/2022									
10/17/2022	2500								13
10/18/2022		8500			3300	4000	680	2900	
10/19/2022			2500	8200					
3/7/2023									
3/8/2023	2400	8800	2400						
3/9/2023				7800	3300	4200			
3/10/2023									
3/13/2023							620	2900	
3/14/2023									14
10/18/2023									
10/19/2023	6900	8800	2100						
10/20/2023				7300	3400	3900		2900	
10/21/2023							630		13

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/30/2023 9:58 AM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-1R	APMW-11 (bg)	APMW-6R	APMW-13 (bg)	APMW-14 (bg)	APMW-15 (bg)	APMW-16 (bg)
4/24/2018							
4/25/2018							
6/13/2018							
6/14/2018							
7/23/2018							
7/24/2018							
9/1/2018							
9/6/2018							
10/1/2018							
10/2/2018							
11/1/2018							
11/2/2018							
12/6/2018							
12/7/2018							
2/13/2019							
3/16/2019	1900	9.3					
3/27/2019	1900	8.2 (D)					
4/3/2019	1900	8.7 (D)					
4/4/2019							
4/5/2019			4000 (D)				
4/15/2019	1900		3400				
4/16/2019		8.7					
5/2/2019	1900		4100				
5/3/2019		9.3					
5/14/2019	2000	8.8	4200				
5/28/2019	1900						
5/29/2019		8.8	4200				
6/12/2019	2000	8.8	4200				
6/19/2019			4000				
6/25/2019			4000				
8/29/2019		8.1					
8/30/2019	2100		4100				
3/16/2020	2600						
3/17/2020		8.2	6000				
7/21/2020				1470	2920	2910	
7/30/2020							2830
11/3/2020						4900	
11/4/2020	4700			5400	3100		4700
11/5/2020							
11/9/2020		9.1					
11/10/2020							
11/20/2020			4300				
3/8/2021	2500			1600	3000	2900	2600
3/9/2021			4000				
3/10/2021		8.9					
10/11/2021		8.9					
10/12/2021	2300						
10/14/2021							
10/15/2021					2800		3100
10/20/2021			4050 (D)	3400		4100 (D)	
10/21/2021							
4/4/2022	2500	8.4					

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/30/2023 9:58 AM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-1R	APMW-11 (bg)	APMW-6R	APMW-13 (bg)	APMW-14 (bg)	APMW-15 (bg)	APMW-16 (bg)
4/5/2022							
4/6/2022							
4/7/2022			3900	1400	2900	3000	3100
10/17/2022	2400	7.5					
10/18/2022							
10/19/2022			4000	1400	2900	2700	3000
3/7/2023		7.7					
3/8/2023	2300						
3/9/2023			3700				
3/10/2023				1300	2700	2800	2600
3/13/2023							
3/14/2023							
10/18/2023				1300	3200	2900	3200
10/19/2023	2300						
10/20/2023			3300				
10/21/2023		9					

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/30/2023 9:58 AM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-2	APMW-3	APMW-4	APMW-5	APMW-7	APMW-8	APMW-10	APMW-9	APMW-12 (bg)
4/24/2018	0.06 (J)	0.33	0.52						
4/25/2018				0.09 (J)	0.11	1	0.69	0.06 (J)	
6/13/2018							0.64	0.06 (J)	
6/14/2018	0.06 (J)	0.37	0.51	0.09 (J)	0.12	1			
7/23/2018						1	0.76	0.06 (J)	
7/24/2018	0.07 (J)	0.42	0.52	0.09 (J)	0.12				
9/1/2018	0.08 (J)	0.45	0.54	0.1			0.81		
9/6/2018					0.13	1.1		0.06 (J)	
10/1/2018	0.07 (J)	0.39	0.54						
10/2/2018				0.09 (J)	0.13	1	0.78	0.07 (J)	
11/1/2018						1.1	0.88	0.07 (J)	
11/2/2018	0.08 (J)	0.42	0.58	0.11	0.14				
12/6/2018			0.51	1.4 (o)	0.13	0.98	0.75	0.21 (o)	
12/7/2018	4.3 (o)	0.64							
2/13/2019	0.05 (J)	0.35	0.48	0.07 (J)	0.1	0.98	0.72	0.07 (J)	
3/16/2019									0.041 (J)
3/27/2019									0.49 (D)
4/3/2019									0.086 (JD)
4/4/2019				<0.2	<0.2	0.58 (J)	0.63	<0.2	
4/5/2019	0.14 (J)	0.7 (J)	0.31 (J)						
4/15/2019									
4/16/2019									0.055 (J)
5/2/2019									
5/3/2019									0.058 (J)
5/14/2019									0.071 (J)
5/28/2019									
5/29/2019									0.042 (J)
6/12/2019									0.037 (J)
6/19/2019									
6/25/2019									
8/8/2019	0.19 (J)	0.8 (J)					0.58	0.2 (J)	0.072 (J)
8/9/2019			0.51	<0.2	0.22 (J)	0.9 (J)			
8/29/2019									0.065 (J)
8/30/2019	0.17 (J)	<0.2	0.54 (J)	<0.2	0.41 (J)	0.85 (J)	0.5	0.18 (J)	
3/16/2020	<0.2	<0.2	<0.2						
3/17/2020				<0.2	1.6	0.52 (J)	0.38	<0.2	0.036 (J)
7/21/2020									
7/30/2020									
11/3/2020									
11/4/2020									
11/5/2020	<0.2	<0.2							
11/9/2020			<0.2	<0.2		0.74 (J)			
11/10/2020					<0.2				
11/20/2020							0.81	<0.2	<0.2
3/8/2021	<0.2						0.66	<0.2	
3/9/2021		0.87 (J)	0.55 (J)	<0.2	0.26 (J)	1.1 (J)			
3/10/2021									0.052 (J)
10/11/2021									0.079 (J)
10/12/2021	0.22 (J)			<0.2	<0.2		0.66	<0.2	
10/14/2021			0.5 (J)						
10/15/2021									
10/20/2021									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/30/2023 9:58 AM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-2	APMW-3	APMW-4	APMW-5	APMW-7	APMW-8	APMW-10	APMW-9	APMW-12 (bg)
10/21/2021		<0.2				1 (J)			
4/4/2022									0.051 (J)
4/5/2022	<0.2	<0.2					0.82		
4/6/2022			0.36 (J)	<0.2	1.2 (J)	16		0.82 (J)	
4/7/2022									
10/17/2022	<0.2								<0.2
10/18/2022		0.32 (J)			0.084 (J)	0.73	0.68	<0.2	
10/19/2022			0.29	0.065 (J)					
3/7/2023									
3/8/2023	0.068 (J)	0.19 (J)	0.25						
3/9/2023				0.12 (J)	0.14 (J)	0.59			
3/10/2023									
3/13/2023							0.87	0.081 (J)	
3/14/2023									0.045 (J)
10/18/2023									
10/19/2023	<0.2	0.17 (J)	0.41						
10/20/2023				<0.2	0.026 (J)	0.7		0.057 (J)	
10/21/2023							0.58		0.048 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/30/2023 9:58 AM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-11 (bg)	APMW-1R	APMW-6R	APMW-14 (bg)	APMW-15 (bg)	APMW-13 (bg)	APMW-16 (bg)
4/24/2018							
4/25/2018							
6/13/2018							
6/14/2018							
7/23/2018							
7/24/2018							
9/1/2018							
9/6/2018							
10/1/2018							
10/2/2018							
11/1/2018							
11/2/2018							
12/6/2018							
12/7/2018							
2/13/2019							
3/16/2019	0.047 (J)	<0.2					
3/27/2019	<0.2 (D)	<0.2					
4/3/2019	<0.2 (D)	<0.2					
4/4/2019							
4/5/2019			<0.2 (D)				
4/15/2019		0.14 (J)	<0.2				
4/16/2019	0.034 (J)						
5/2/2019		0.13 (J)	<0.2				
5/3/2019	0.042 (J)						
5/14/2019	0.039 (J)	<0.2	<0.2				
5/28/2019		0.16 (J)					
5/29/2019	<0.2		<0.2				
6/12/2019	<0.2	<0.2	<0.2				
6/19/2019			<0.2				
6/25/2019			0.32 (J)				
8/8/2019	0.051 (J)	0.21 (J)					
8/9/2019			<0.2				
8/29/2019	0.061 (J)						
8/30/2019		0.21 (J)	0.27 (J)				
3/16/2020		<0.2					
3/17/2020	<0.2		<0.2				
7/21/2020				0.07 (J)	0.17	0.09 (J)	
7/30/2020							0.19
11/3/2020					<0.2		
11/4/2020		<0.2		<0.2		0.24 (J)	<0.2
11/5/2020							
11/9/2020	<0.2						
11/10/2020							
11/20/2020			<0.2				
3/8/2021		<0.2		<0.2	0.41 (J)	0.17 (J)	0.28 (J)
3/9/2021			<0.2				
3/10/2021	0.056 (J)						
10/11/2021	0.041 (J)						
10/12/2021		0.27 (J)					
10/14/2021							
10/15/2021				0.19 (J)			0.44 (J)
10/20/2021			0.29 (J)		0.25 (J)	0.14 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/30/2023 9:58 AM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-11 (bg)	APMW-1R	APMW-6R	APMW-14 (bg)	APMW-15 (bg)	APMW-13 (bg)	APMW-16 (bg)
10/21/2021							
4/4/2022	0.062 (J)	0.13 (J)					
4/5/2022							
4/6/2022							
4/7/2022			6.4	<0.2	0.25 (J)	0.39 (J)	0.54 (J)
10/17/2022	<0.2	<0.2					
10/18/2022							
10/19/2022			0.22	<0.2	0.13 (J)	0.034 (J)	0.094 (J)
3/7/2023	0.051 (J)						
3/8/2023		0.086 (J)					
3/9/2023			0.11 (J)				
3/10/2023				0.094 (J)	0.19 (J)	0.064 (J)	0.18 (J)
3/13/2023							
3/14/2023							
10/18/2023				0.076 (J)	0.12 (J)	0.11 (J)	0.15 (J)
10/19/2023		0.12 (J)					
10/20/2023			<0.2				
10/21/2023	0.048 (J)						

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: pH (SU) Analysis Run 11/30/2023 9:58 AM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-2	APMW-3	APMW-4	APMW-5	APMW-7	APMW-8	APMW-10	APMW-9	APMW-12 (bg)
4/24/2018	5.89	6.46	6.31						
4/25/2018				6.04	6.31	6.69	6.7	6.19	
6/13/2018							6.64	6.18	
6/14/2018	5.96	6.5	6.28	6.29	6.25	6.66			
7/23/2018						6.7	6.76	6.19	
7/24/2018	6.03	6.6	6.34	6.35	6.34				
9/1/2018	6.23	6.74	6.33	6.38			6.9		
9/6/2018					6.29	6.66		6.13	
10/1/2018	5.94	6.51	6.36						
10/2/2018				6.47	6.28	6.63	6.77	6.13	
11/1/2018						6.75	6.89	6.25	
11/2/2018	5.98	6.55	6.43	6.42	6.4				
12/6/2018			6.43	6.42	6.4	6.75	6.89	6.25	
12/7/2018	5.98	6.55							
2/13/2019	6.09	6.69	6.48	6.42	6.37	6.7	6.81	6.24	
3/16/2019									6.44
3/27/2019									6.38
4/3/2019									6.19
4/4/2019				6.35	6.33	6.72	6.74	6.17	
4/5/2019	6.03	6.7	6.33						
4/15/2019									
4/16/2019									6.3
5/2/2019									
5/3/2019									6.33
5/14/2019									6.64
5/28/2019									
5/29/2019									6.6
6/12/2019									6.31
6/19/2019									
6/25/2019									
8/8/2019	6.03	6.7					6.84	6.23	6.12
8/9/2019			6.69	6.42	6.34	6.74			
8/29/2019									6.24
8/30/2019	6.1	6.75	6.68	6.47	6.31	6.68	7.09	6.1	
3/16/2020	5.91	6.61	6.71						
3/17/2020				6.32	6.57	6.69	6.93		6.2
7/21/2020									
7/30/2020									
11/3/2020									
11/4/2020									
11/5/2020	5.92	6.58							
11/9/2020			6.37	6.37		6.74			
11/10/2020					6.37				
11/20/2020							6.94	6.23	6.31
3/8/2021	5.97						7.61	7	
3/9/2021		6.48	6.27	6.32	6.39	6.74			
3/10/2021									
10/11/2021									6.08
10/12/2021	5.89			6.55	6.51		6.75	6.16	
10/14/2021			6.41						
10/15/2021									
10/20/2021									

Prediction Limit

Constituent: pH (SU) Analysis Run 11/30/2023 9:58 AM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-2	APMW-3	APMW-4	APMW-5	APMW-7	APMW-8	APMW-10	APMW-9	APMW-12 (bg)
10/21/2021		6.54				6.74			
4/4/2022									6
4/5/2022	5.46	6.45					7.17		
4/6/2022			6.37	6.16	6.38	6.74		6.13	
4/7/2022									
10/17/2022	5.87								6.12
10/18/2022		6.61			6.43	6.67	6.98	6.32	
10/19/2022			6.32	6.38					
3/7/2023									
3/8/2023	5.88	6.53	6.26						
3/9/2023				6.28	6.37	6.5			
3/10/2023									
3/13/2023							6.97	6.22	
3/14/2023									6.11
10/18/2023									
10/19/2023	5.93	6.72	6.22						
10/20/2023				6.36	6.28	6.61		6.23	
10/21/2023							7.06		6.22

Prediction Limit

Constituent: pH (SU) Analysis Run 11/30/2023 9:58 AM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-11 (bg)	APMW-1R	APMW-6R	APMW-13 (bg)	APMW-14 (bg)	APMW-15 (bg)	APMW-16 (bg)
4/24/2018							
4/25/2018							
6/13/2018							
6/14/2018							
7/23/2018							
7/24/2018							
9/1/2018							
9/6/2018							
10/1/2018							
10/2/2018							
11/1/2018							
11/2/2018							
12/6/2018							
12/7/2018							
2/13/2019							
3/16/2019	6.97	6.67					
3/27/2019	6.7	6.59					
4/3/2019	6.45	6.56					
4/4/2019							
4/5/2019			6.12				
4/15/2019		6.68	6.14				
4/16/2019	6.52						
5/2/2019		6.78	6.19				
5/3/2019	6.37						
5/14/2019	6.57	6.7	6.12				
5/28/2019		6.56					
5/29/2019	6.31		6.11				
6/12/2019	6.41	6.69	6.09				
6/19/2019			6.1				
6/25/2019			6.18				
8/8/2019	6.29	6.68					
8/9/2019			6.03				
8/29/2019	6.2						
8/30/2019		6.72	5.92				
3/16/2020		6.51					
3/17/2020	6.2		5.97				
7/21/2020				6.01	6.08	6.51	
7/30/2020							6.48
11/3/2020						6.51	
11/4/2020		6.45		6.01	6.03		6.58
11/5/2020							
11/9/2020	6.21						
11/10/2020							
11/20/2020			6.09				
3/8/2021		6.4		5.97	5.99	6.41	6.48
3/9/2021			6.13				
3/10/2021	6.29						
10/11/2021	6.13						
10/12/2021		6.43					
10/14/2021							
10/15/2021					5.97		6.55
10/20/2021			5.94	5.89		6.54	

Prediction Limit

Constituent: pH (SU) Analysis Run 11/30/2023 9:58 AM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-11 (bg)	APMW-1R	APMW-6R	APMW-13 (bg)	APMW-14 (bg)	APMW-15 (bg)	APMW-16 (bg)
10/21/2021							
4/4/2022	5.97	6.34					
4/5/2022							
4/6/2022							
4/7/2022			5.91	6.07	6.07	6.53	6.55
10/17/2022	6.19	6.27					
10/18/2022							
10/19/2022			6.1	6.08	6.07	6.58	6.64
3/7/2023	6.17						
3/8/2023		6.23					
3/9/2023			6.04				
3/10/2023				6	6	6.48	6.5
3/13/2023							
3/14/2023							
10/18/2023				6.07	6.16	6.48	6.51
10/19/2023		6.23					
10/20/2023			6.15				
10/21/2023	6.26						

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/30/2023 9:58 AM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-2	APMW-3	APMW-4	APMW-5	APMW-7	APMW-8	APMW-10	APMW-9	APMW-12 (bg)
4/24/2018	<1	1200	340						
4/25/2018				920	65	670	290	270	
6/13/2018							310	300	
6/14/2018	7.2	1200	350	980	81	650			
7/23/2018						610	300	280	
7/24/2018	2.7 (J)	1100	310	950	52				
9/1/2018	1.5 (J)	1200	300	980			290		
9/6/2018					53	690		270	
10/1/2018	<1	1200	330						
10/2/2018				960	34	650	300	280	
11/1/2018						610	290	270	
11/2/2018	1.9 (J)	1000	310	860	35				
12/6/2018			300	990	65	660	290	300	
12/7/2018	<1	1100							
2/13/2019	1.5 (J)	1100	320	930	74	600	230	280	
3/16/2019									0.88 (J)
3/27/2019									1.3 (D)
4/3/2019									1.9 (D)
4/4/2019				1100	61	640	240	330	
4/5/2019	7	1200	330						
4/15/2019									
4/16/2019									2.5
5/2/2019									
5/3/2019									1.3
5/14/2019									2.2
5/28/2019									
5/29/2019									1.2
6/12/2019									1.1
6/19/2019									
6/25/2019									
8/29/2019									1.1
8/30/2019	8.4	1100	330	940	83	620	160	280	
3/16/2020	16	1100	330						
3/17/2020				910	430	680	110	290	3.2
7/21/2020									
7/30/2020									
11/3/2020									
11/4/2020									
11/5/2020	4.4 (J)	1000							
11/9/2020			320	1000		590			
11/10/2020					64				
11/20/2020							50	270	0.79 (J)
3/8/2021	5.7						24	280	
3/9/2021		1100	320	910	100	630			
3/10/2021									1.1
10/11/2021									<1
10/12/2021	<1			900	13		4	270	
10/14/2021			290						
10/15/2021									
10/20/2021									
10/21/2021		1040 (D)				615 (D)			
4/4/2022									1.3

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/30/2023 9:58 AM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-2	APMW-3	APMW-4	APMW-5	APMW-7	APMW-8	APMW-10	APMW-9	APMW-12 (bg)
4/5/2022	11	1100					7.5		
4/6/2022			300	910	98	610		290	
4/7/2022									
10/17/2022	5.6								<1
10/18/2022		850			25	560	<1	280	
10/19/2022			230	810					
3/7/2023									
3/8/2023	5.6	960	210						
3/9/2023				810	79	570			
3/10/2023									
3/13/2023							2.5	250	
3/14/2023									<1
10/18/2023									
10/19/2023	690	980	190						
10/20/2023				660	93	590		190	
10/21/2023							2.4 (J)		1

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/30/2023 9:58 AM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-11 (bg)	APMW-1R	APMW-6R	APMW-13 (bg)	APMW-14 (bg)	APMW-15 (bg)	APMW-16 (bg)
4/24/2018							
4/25/2018							
6/13/2018							
6/14/2018							
7/23/2018							
7/24/2018							
9/1/2018							
9/6/2018							
10/1/2018							
10/2/2018							
11/1/2018							
11/2/2018							
12/6/2018							
12/7/2018							
2/13/2019							
3/16/2019	3.6	14					
3/27/2019	0.81 (JD)	19					
4/3/2019	1.1 (D)	4.6 (J)					
4/4/2019							
4/5/2019			800 (D)				
4/15/2019		8.6	700				
4/16/2019	0.68 (J)						
5/2/2019		6	810				
5/3/2019	1.1						
5/14/2019	1.3	5.8	810				
5/28/2019		9.4					
5/29/2019	2.1		830				
6/12/2019	1.9	8.8	830				
6/19/2019			810				
6/25/2019			800				
8/29/2019	2.3						
8/30/2019		13	800				
3/16/2020		23					
3/17/2020	3.7		590				
7/21/2020				802	713	52.9	
7/30/2020							33.4
11/3/2020						550	
11/4/2020		10		1700 (o)	670		440
11/5/2020							
11/9/2020	0.51 (J)						
11/10/2020							
11/20/2020			790				
3/8/2021		12		720	740	97	72
3/9/2021			830				
3/10/2021	<1						
10/11/2021	<1						
10/12/2021		<1					
10/14/2021							
10/15/2021					730		55
10/20/2021			835 (D)	840		91.5 (D)	
10/21/2021							
4/4/2022	0.91 (J)	21					

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/30/2023 9:58 AM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-11 (bg)	APMW-1R	APMW-6R	APMW-13 (bg)	APMW-14 (bg)	APMW-15 (bg)	APMW-16 (bg)
4/5/2022							
4/6/2022							
4/7/2022			820	810	810	160	140
10/17/2022	<1	1.2					
10/18/2022							
10/19/2022			800	810	830	76	57
3/7/2023	0.82 (J)						
3/8/2023		5					
3/9/2023			810				
3/10/2023				850	870	88	76
3/13/2023							
3/14/2023							
10/18/2023				750	690	80	88
10/19/2023		<1					
10/20/2023			760				
10/21/2023	<1						

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/30/2023 9:58 AM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-2	APMW-3	APMW-4	APMW-5	APMW-7	APMW-8	APMW-10	APMW-9	APMW-12 (bg)
4/24/2018	4800	18000	7700						
4/25/2018				16000	7500	6400	2500	5800	
6/13/2018							2900	5800	
6/14/2018	5700	13000	7200	14000	7000	6000			
7/23/2018						7200	3100	5800	
7/24/2018	6000	18000	7000	15000	7200				
9/1/2018	6300	20000	7800	16000			2700		
9/6/2018					7000	7800		6300	
10/1/2018	6500	20000	8400						
10/2/2018				17000	7400	8200	2900	6500	
11/1/2018						7300	2700	5000	
11/2/2018	3800	19000	7600	15000	6900				
12/6/2018			7400	14000	6900	8300	2600	6000	
12/7/2018	5300	13000							
2/13/2019	6200	16000	7700	16000	8200	8900	2800	6700	
3/16/2019									150
3/27/2019									110 (D)
4/3/2019									150 (D)
4/4/2019				18000	8100	7700	2500	4500	
4/5/2019	5000	18000	7000						
4/15/2019									
4/16/2019									150
5/2/2019									
5/3/2019									130
5/14/2019									150
5/28/2019									
5/29/2019									180
6/12/2019									130
6/19/2019									
6/25/2019									
8/29/2019									110
8/30/2019	4400	18000	5800	16000	6900	6300	2200	4900	
3/16/2020	4400	16000	6100						
3/17/2020				15000	6900	6400	2700	5400	120
7/21/2020									
7/30/2020									
11/3/2020									
11/4/2020									
11/5/2020	4100	19000							
11/9/2020			5400	14000		7100			
11/10/2020					7100				
11/20/2020							2100	6000	160
3/8/2021	4300						2100	6300	
3/9/2021		22000	5500	20000	7800	8100			
3/10/2021									140
10/11/2021									120
10/12/2021	4400			15000	6900		2300	7000	
10/14/2021			5700						
10/15/2021									
10/20/2021									
10/21/2021		18000				6600			
4/4/2022									120

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/30/2023 9:58 AM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-2	APMW-3	APMW-4	APMW-5	APMW-7	APMW-8	APMW-10	APMW-9	APMW-12 (bg)
4/5/2022	4400	16000					1700		
4/6/2022			5200	15000	7700	8900		5600	
4/7/2022									
10/17/2022	6600								120
10/18/2022		14000			7900	7000	1900	5900	
10/19/2022			5900	13000					
3/7/2023									
3/8/2023	4000	17000	4600						
3/9/2023				15000	7900	7400			
3/10/2023									
3/13/2023							1500	6000	
3/14/2023									120
10/18/2023									
10/19/2023	3900	17000	3900						
10/20/2023				13000	8000	7100		5100	
10/21/2023							1600		130

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/30/2023 9:58 AM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-11 (bg)	APMW-1R	APMW-6R	APMW-14 (bg)	APMW-15 (bg)	APMW-13 (bg)	APMW-16 (bg)
4/24/2018							
4/25/2018							
6/13/2018							
6/14/2018							
7/23/2018							
7/24/2018							
9/1/2018							
9/6/2018							
10/1/2018							
10/2/2018							
11/1/2018							
11/2/2018							
12/6/2018							
12/7/2018							
2/13/2019							
3/16/2019	120	3300					
3/27/2019	63 (D)	2900					
4/3/2019	100 (D)	3600					
4/4/2019							
4/5/2019			7800 (D)				
4/15/2019		3300	6600				
4/16/2019	110						
5/2/2019		3300	7400				
5/3/2019	91						
5/14/2019	120	3600	8300				
5/28/2019		3500					
5/29/2019	140		8600				
6/12/2019	100		6800				
6/19/2019			7100				
6/25/2019			8500				
8/29/2019	73						
8/30/2019		3500	6600				
3/16/2020		4500					
3/17/2020	95		7200				
7/21/2020				6350	5400	3760	
7/30/2020							5020
11/3/2020					9200		
11/4/2020		5000		6500		5400	8500
11/5/2020							
11/9/2020	68						
11/10/2020							
11/20/2020			7400				
3/8/2021		5200		6800	6200	3600	5100
3/9/2021			8800				
3/10/2021	89						
10/11/2021	80						
10/12/2021		4700					
10/14/2021							
10/15/2021				5700			5700
10/20/2021			7600		5200	3400	
10/21/2021							
4/4/2022	78	4700					

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/30/2023 9:58 AM View: Appendix III

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

	APMW-11 (bg)	APMW-1R	APMW-6R	APMW-14 (bg)	APMW-15 (bg)	APMW-13 (bg)	APMW-16 (bg)
4/5/2022							
4/6/2022							
4/7/2022			7600	6000	5100	3400	5100
10/17/2022	86	4900					
10/18/2022							
10/19/2022			7000	5900	5700	3600	5700
3/7/2023	86						
3/8/2023		4400					
3/9/2023			7500				
3/10/2023				5600	5000	3600	4700
3/13/2023							
3/14/2023							
10/18/2023				6200	5000	3500	5300
10/19/2023		4200					
10/20/2023			7000				
10/21/2023	73						

FIGURE E.

Trend Tests Appendix III - Significant Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 11/30/2023, 10:02 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**APMW-2**	**-0.1552**	**-83**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**APMW-6R**	**0.4542**	**65**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**APMW-11 (bg)**	**-1.141**	**-71**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**APMW-15 (bg)**	**-6.076**	**-22**	**-21**	**Yes**	**8**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**APMW-1R**	**17.5**	**69**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**APMW-3**	**-414.4**	**-102**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	**APMW-10**	**0.06554**	**90**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	**APMW-11 (bg)**	**-0.1267**	**-107**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	**APMW-12 (bg)**	**-0.07595**	**-64**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**APMW-3**	**-37.5**	**-81**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Trend Tests Appendix III - All Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 11/30/2023, 10:02 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	APMW-10	0.07609	68	68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-11 (bg)	0	22	63	No	17	47.06	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-12 (bg)	0.008199	45	63	No	17	29.41	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-13 (bg)	0.00943	3	21	No	8	0	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-14 (bg)	-0.007476	-5	-21	No	8	0	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-15 (bg)	0.02608	8	21	No	8	0	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-16 (bg)	-0.009241	-1	-21	No	8	0	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-1R	0.4384	28	63	No	17	0	n/a	n/a	0.01	NP
Boron (mg/L)	**APMW-2**	**-0.1552**	**-83**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	APMW-3	0.08207	33	68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-5	-0.06483	-28	-68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	**APMW-6R**	**0.4542**	**65**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	APMW-8	0	-23	-68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-9	0	-5	-68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**APMW-11 (bg)**	**-1.141**	**-71**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	APMW-12 (bg)	-0.3374	-63	-63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-13 (bg)	-3.813	-14	-21	No	8	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-14 (bg)	0	-4	-21	No	8	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**APMW-15 (bg)**	**-6.076**	**-22**	**-21**	**Yes**	**8**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	APMW-16 (bg)	-9.928	-12	-21	No	8	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**APMW-1R**	**17.5**	**69**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	APMW-2	5.134	24	68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-3	0	-15	-68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-5	-4.838	-43	-68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-6R	-12.41	-34	-63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-8	-3.179	-22	-68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-9	-2.827	-30	-68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	APMW-11 (bg)	-0.1073	-17	-63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	APMW-12 (bg)	0	-33	-63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	APMW-13 (bg)	-119.3	-18	-21	No	8	0	n/a	n/a	0.01	NP
Chloride (mg/L)	APMW-14 (bg)	-36.77	-5	-21	No	8	0	n/a	n/a	0.01	NP
Chloride (mg/L)	APMW-15 (bg)	-79.39	-11	-21	No	8	0	n/a	n/a	0.01	NP
Chloride (mg/L)	APMW-16 (bg)	0	0	21	No	8	0	n/a	n/a	0.01	NP
Chloride (mg/L)	APMW-2	-56.94	-54	-68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**APMW-3**	**-414.4**	**-102**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	APMW-5	-143.6	-57	-68	No	18	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	APMW-10	-0.0112	-16	-74	No	19	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	APMW-11 (bg)	0	3	68	No	18	38.89	n/a	n/a	0.01	NP
Fluoride (mg/L)	APMW-12 (bg)	-0.001578	-12	-68	No	18	11.11	n/a	n/a	0.01	NP
Fluoride (mg/L)	APMW-13 (bg)	-0.02394	-6	-21	No	8	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	APMW-14 (bg)	0	-4	-21	No	8	50	n/a	n/a	0.01	NP
Fluoride (mg/L)	APMW-15 (bg)	-0.01661	-5	-21	No	8	12.5	n/a	n/a	0.01	NP
Fluoride (mg/L)	APMW-16 (bg)	-0.003449	-2	-21	No	8	12.5	n/a	n/a	0.01	NP
Fluoride (mg/L)	APMW-8	-0.05938	-55	-74	No	19	0	n/a	n/a	0.01	NP
pH (SU)	**APMW-10**	**0.06554**	**90**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	**APMW-11 (bg)**	**-0.1267**	**-107**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	**APMW-12 (bg)**	**-0.07595**	**-64**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	APMW-13 (bg)	0.01861	6	21	No	8	0	n/a	n/a	0.01	NP
pH (SU)	APMW-14 (bg)	0.01272	3	21	No	8	0	n/a	n/a	0.01	NP
pH (SU)	APMW-15 (bg)	0	0	21	No	8	0	n/a	n/a	0.01	NP
pH (SU)	APMW-16 (bg)	0.00849	4	21	No	8	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	APMW-11 (bg)	-0.05277	-21	-63	No	17	23.53	n/a	n/a	0.01	NP
Sulfate (mg/L)	APMW-12 (bg)	-0.06395	-44	-63	No	17	17.65	n/a	n/a	0.01	NP
Sulfate (mg/L)	APMW-13 (bg)	4.672	4	18	No	7	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	APMW-14 (bg)	56.16	12	21	No	8	0	n/a	n/a	0.01	NP

Trend Tests Appendix III - All Results

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 11/30/2023, 10:02 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Sulfate (mg/L)	APMW-15 (bg)	-6.135	-6	-21	No	8	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	APMW-16 (bg)	8.372	6	21	No	8	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**APMW-3**	**-37.5**	**-81**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	APMW-11 (bg)	-6.115	-48	-63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-12 (bg)	-3.487	-30	-63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-13 (bg)	-75.69	-10	-21	No	8	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-14 (bg)	-202.4	-10	-21	No	8	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-15 (bg)	-195.6	-17	-21	No	8	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-16 (bg)	-61.28	-2	-21	No	8	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-3	0	-16	-68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-5	-221.2	-32	-68	No	18	0	n/a	n/a	0.01	NP

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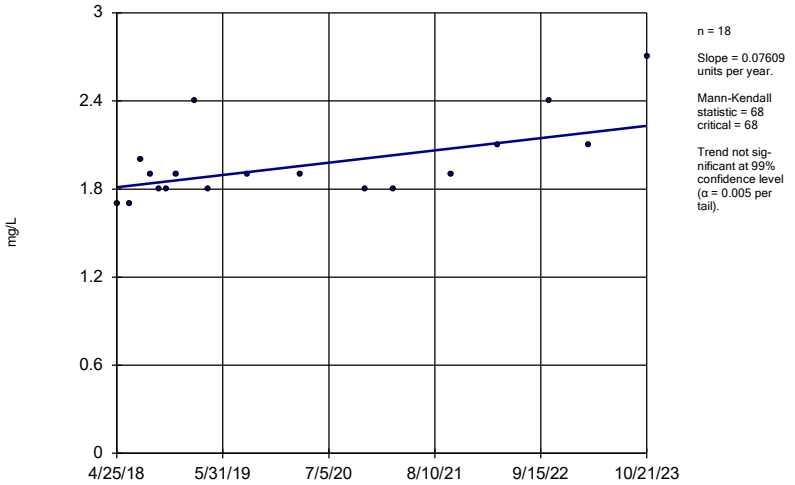
Sen's Slope Estimator

APMW-10



Constituent: Boron Analysis Run 11/30/2023 9:59 AM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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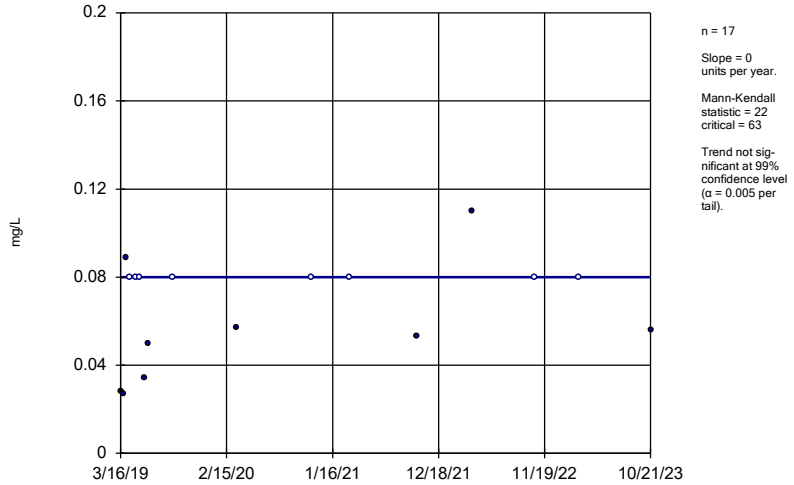
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-11 (bg)



Constituent: Boron Analysis Run 11/30/2023 9:59 AM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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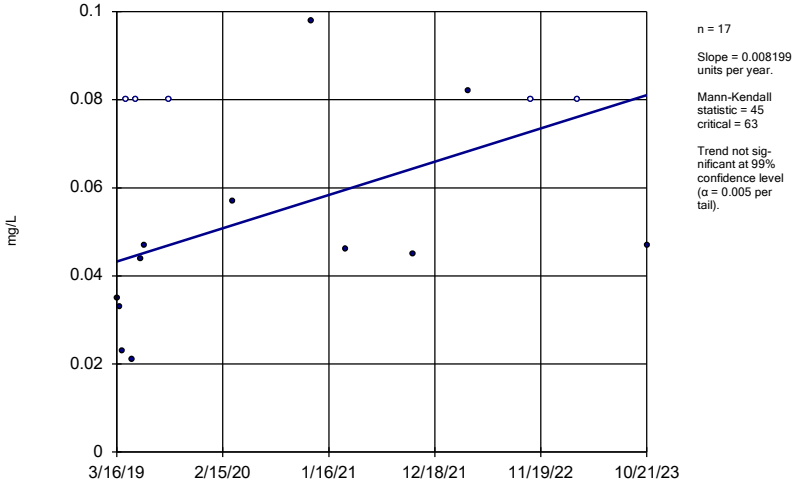
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-12 (bg)



Constituent: Boron Analysis Run 11/30/2023 9:59 AM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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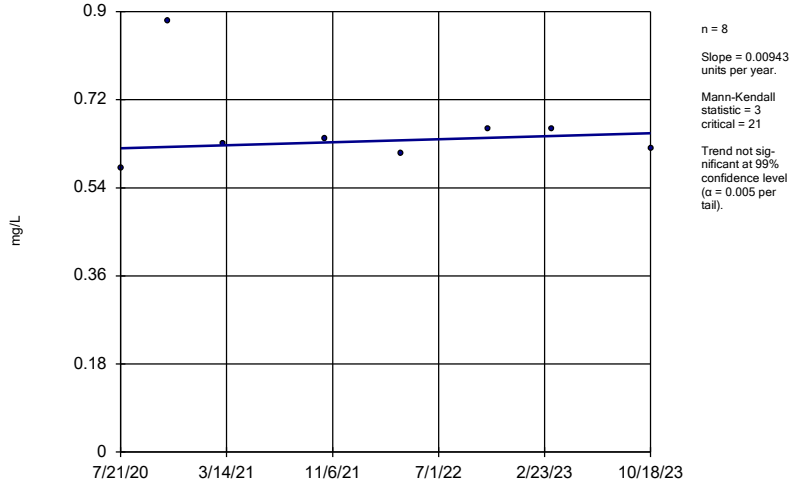
Sen's Slope Estimator

APMW-13 (bg)

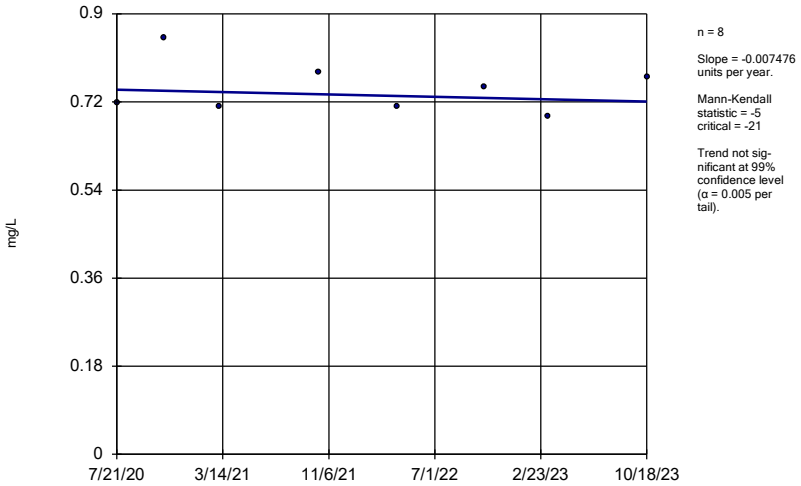


Constituent: Boron Analysis Run 11/30/2023 9:59 AM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sen's Slope Estimator

APMW-14 (bg)



n = 8

Slope = -0.007476 units per year.

Mann-Kendall statistic = -5
critical = -21

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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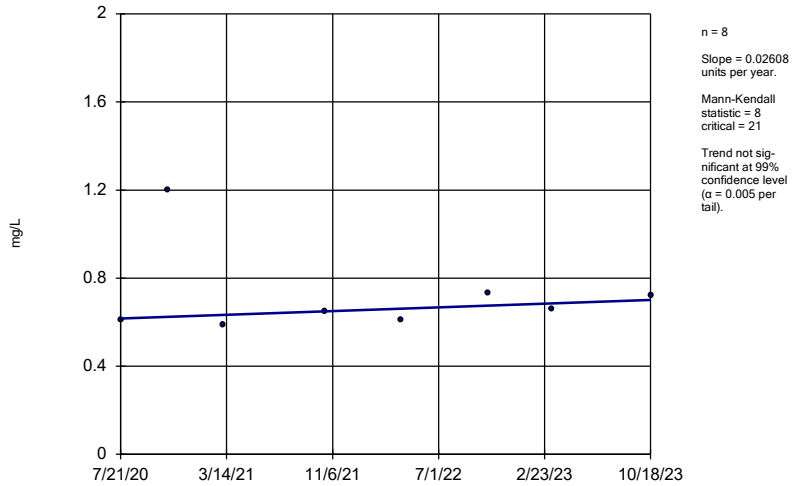
Sen's Slope Estimator

APMW-15 (bg)



n = 8

Slope = 0.02608 units per year.

Mann-Kendall statistic = 8
critical = 21

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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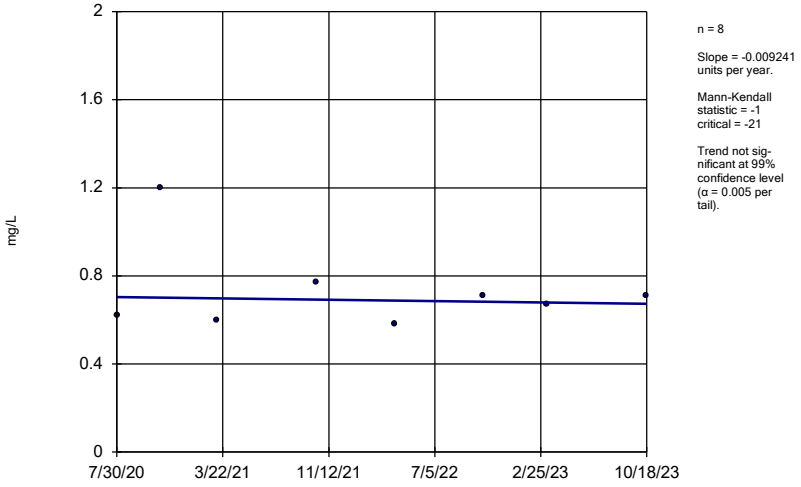
Sen's Slope Estimator

APMW-16 (bg)



n = 8

Slope = -0.009241 units per year.

Mann-Kendall statistic = -1
critical = -21

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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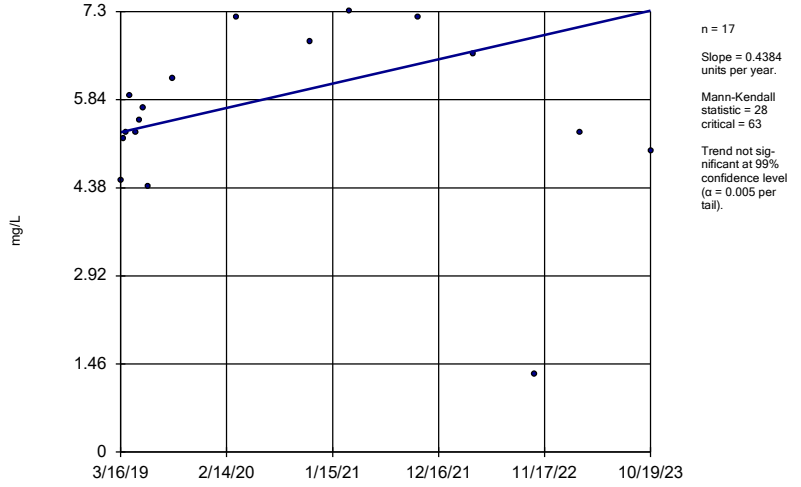
Sen's Slope Estimator

APMW-1R



n = 17

Slope = 0.4384 units per year.

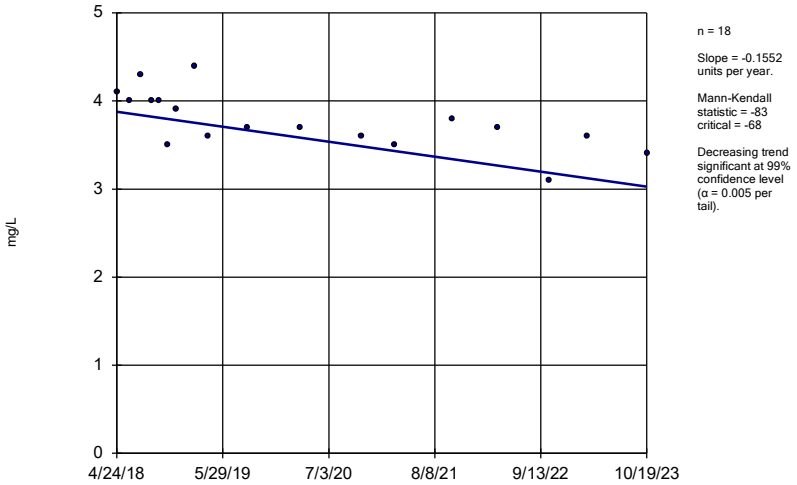
Mann-Kendall statistic = 28
critical = 63

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sen's Slope Estimator

APMW-2



n = 18

Slope = -0.1552 units per year.

Mann-Kendall statistic = -83 critical = -68

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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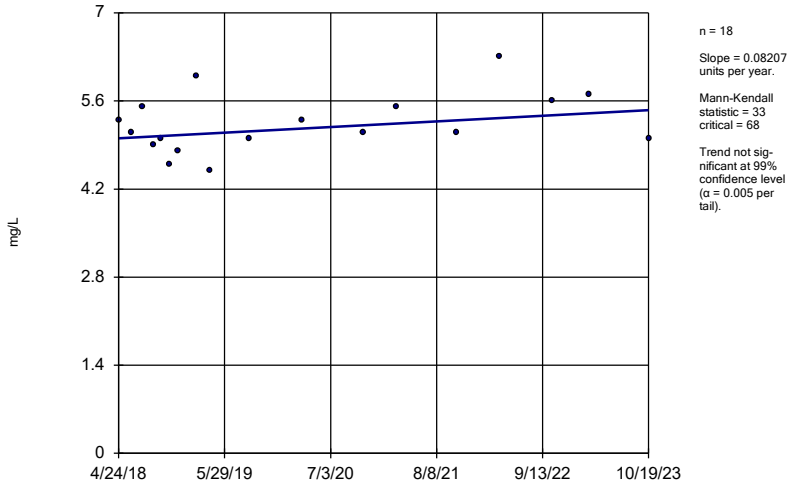
Sen's Slope Estimator

APMW-3



n = 18

Slope = 0.08207 units per year.

Mann-Kendall statistic = 33 critical = 68

Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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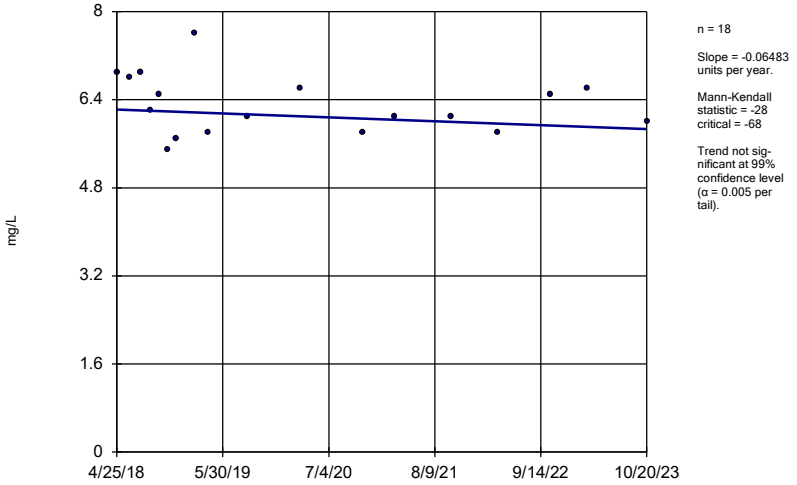
Sen's Slope Estimator

APMW-5



n = 18

Slope = -0.06483 units per year.

Mann-Kendall statistic = -28 critical = -68

Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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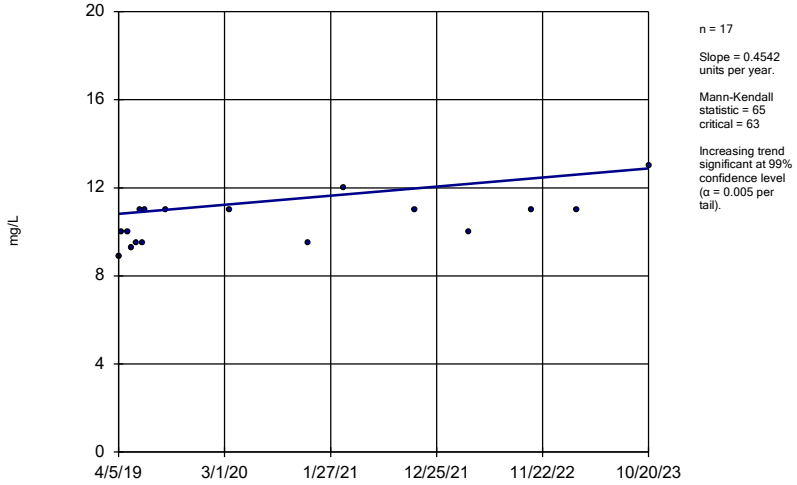
Sen's Slope Estimator

APMW-6R



n = 17

Slope = 0.4542 units per year.

Mann-Kendall statistic = 65 critical = 63

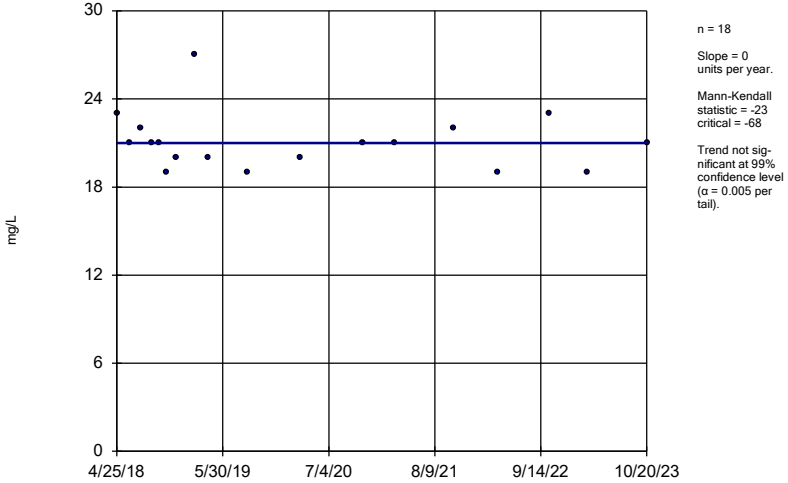
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sen's Slope Estimator

APMW-8



Constituent: Boron Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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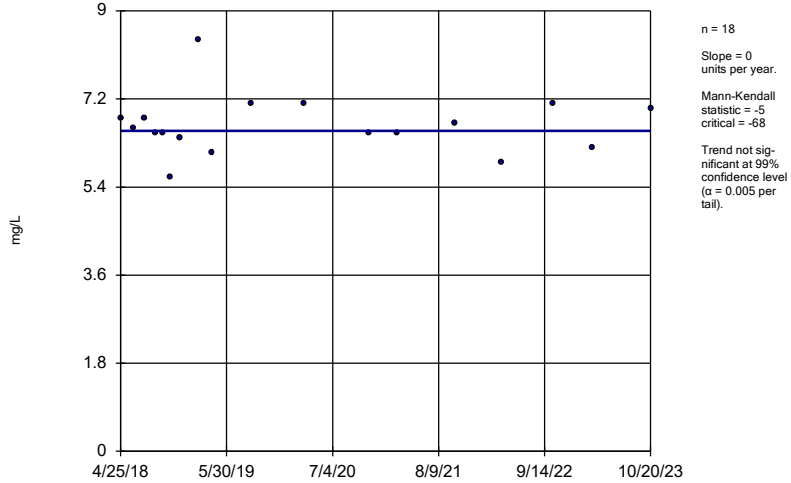
Sen's Slope Estimator

APMW-9



Constituent: Boron Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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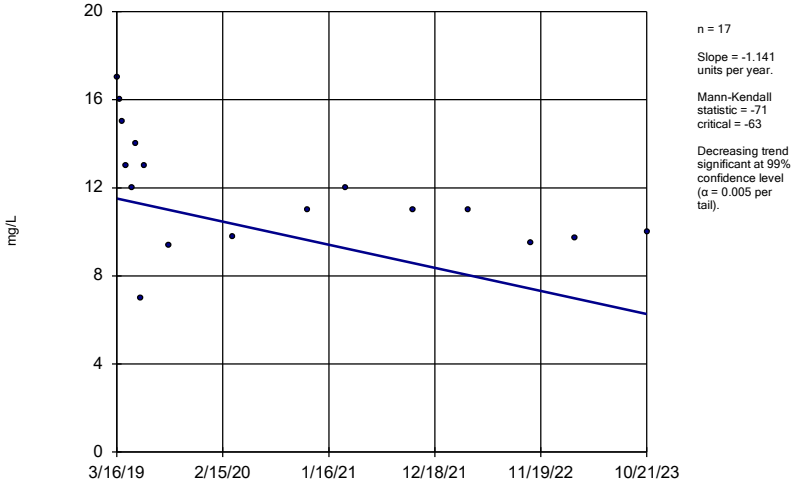
Sen's Slope Estimator

APMW-11 (bg)



Constituent: Calcium Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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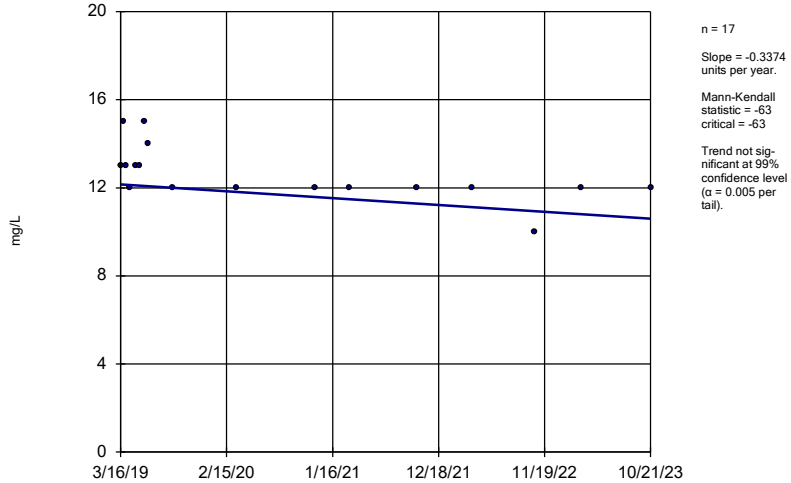
Sen's Slope Estimator

APMW-12 (bg)

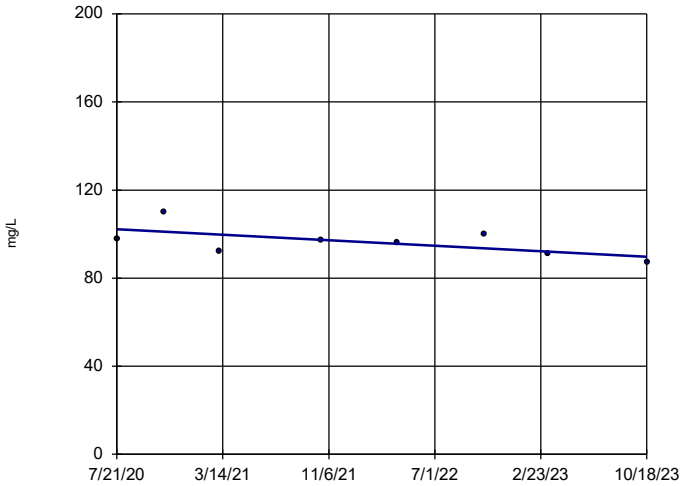


Constituent: Calcium Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sen's Slope Estimator

APMW-13 (bg)



n = 8

Slope = -3.813 units per year.

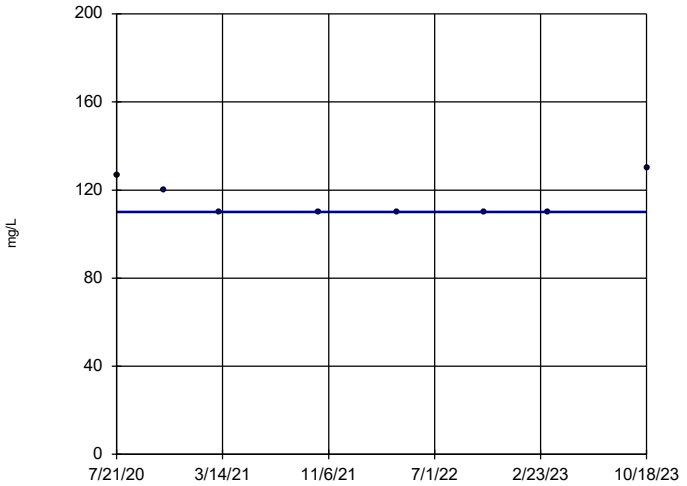
Mann-Kendall statistic = -14
critical = -21

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sen's Slope Estimator

APMW-14 (bg)



n = 8

Slope = 0 units per year.

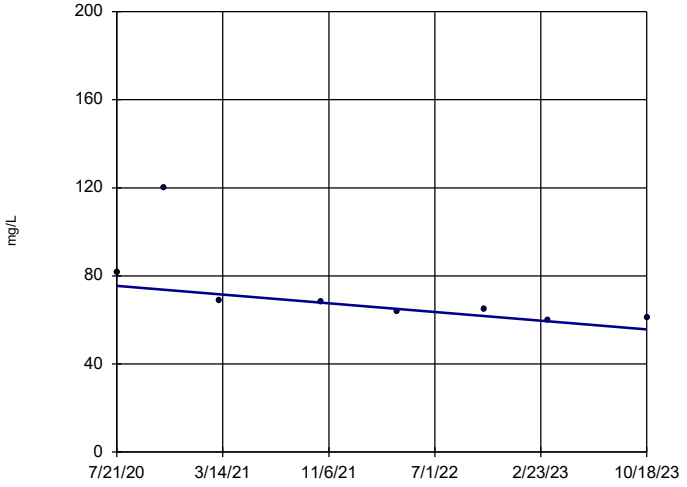
Mann-Kendall statistic = -4
critical = -21

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sen's Slope Estimator

APMW-15 (bg)



n = 8

Slope = -6.076 units per year.

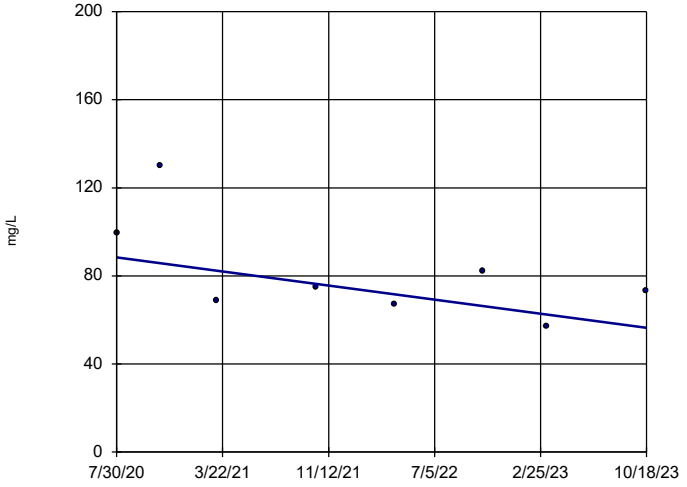
Mann-Kendall statistic = -22
critical = -21

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sen's Slope Estimator

APMW-16 (bg)



n = 8

Slope = -9.928 units per year.

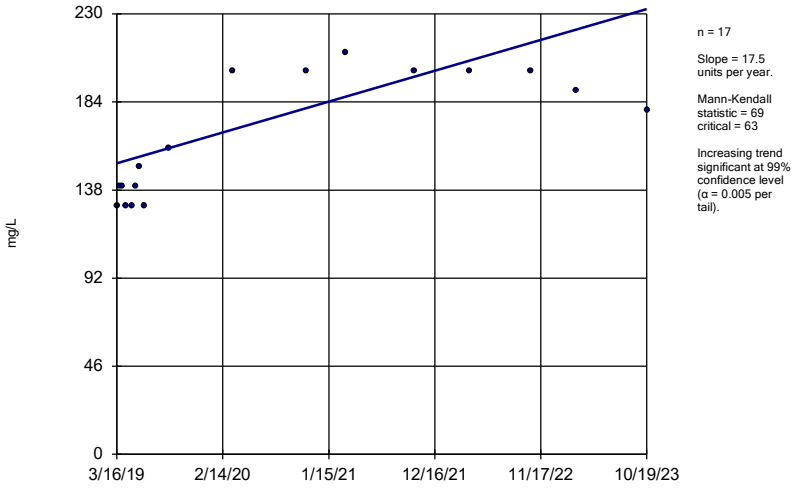
Mann-Kendall statistic = -12
critical = -21

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sen's Slope Estimator

APMW-1R



n = 17

Slope = 17.5 units per year.

Mann-Kendall statistic = 69
critical = 63

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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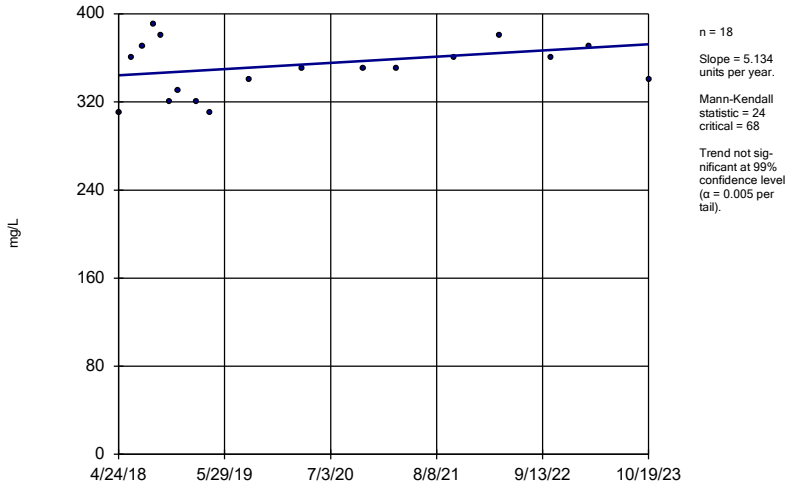
Sen's Slope Estimator

APMW-2



n = 18

Slope = 5.134 units per year.

Mann-Kendall statistic = 24
critical = 68

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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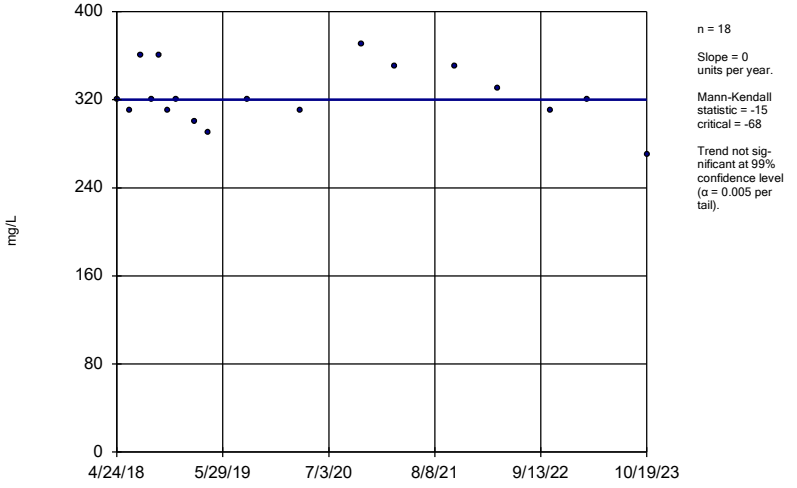
Sen's Slope Estimator

APMW-3



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = -15
critical = -68

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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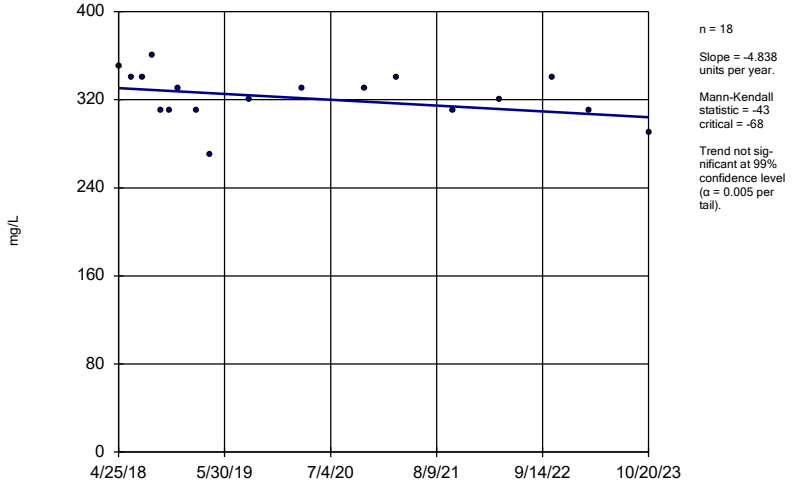
Sen's Slope Estimator

APMW-5



n = 18

Slope = -4.838 units per year.

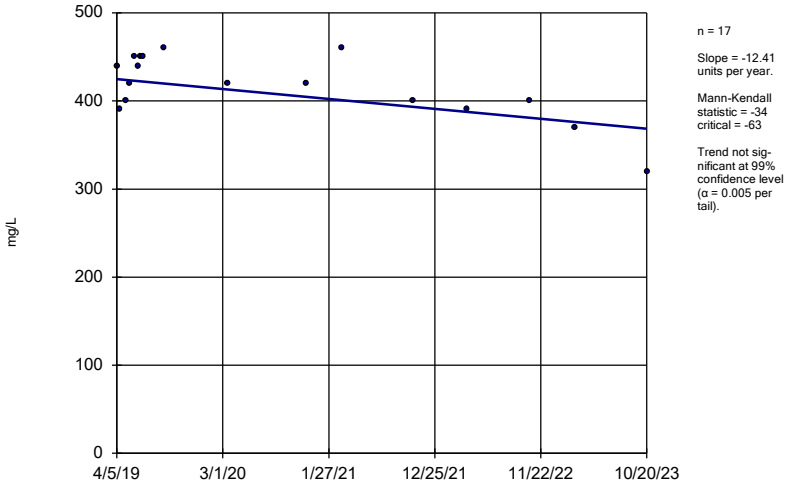
Mann-Kendall statistic = -43
critical = -68

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sen's Slope Estimator

APMW-6R



n = 17

Slope = -12.41 units per year.

Mann-Kendall statistic = -34 critical = -63

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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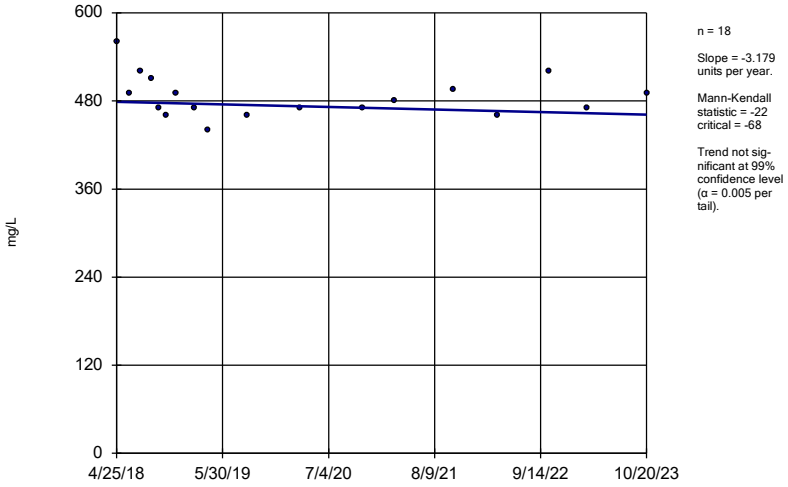
Sen's Slope Estimator

APMW-8



n = 18

Slope = -3.179 units per year.

Mann-Kendall statistic = -22 critical = -68

Trend not significant at 99% confidence level (α = 0.005 per tail).

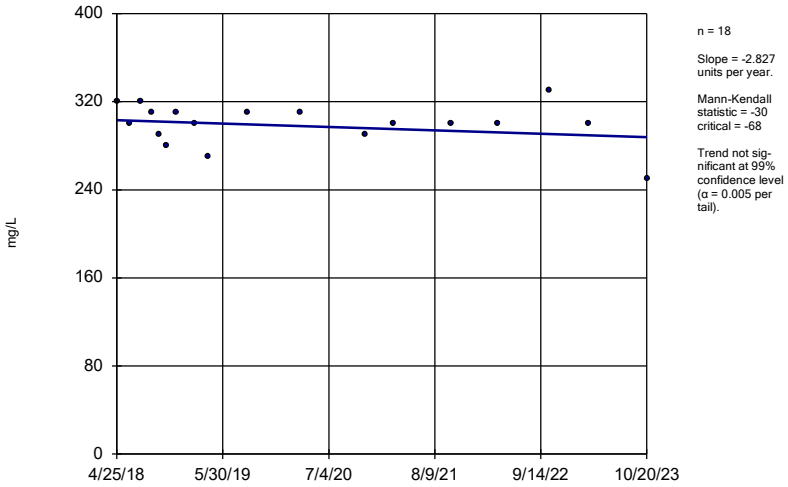
Constituent: Calcium Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.13b Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-9



n = 18

Slope = -2.827 units per year.

Mann-Kendall statistic = -30 critical = -68

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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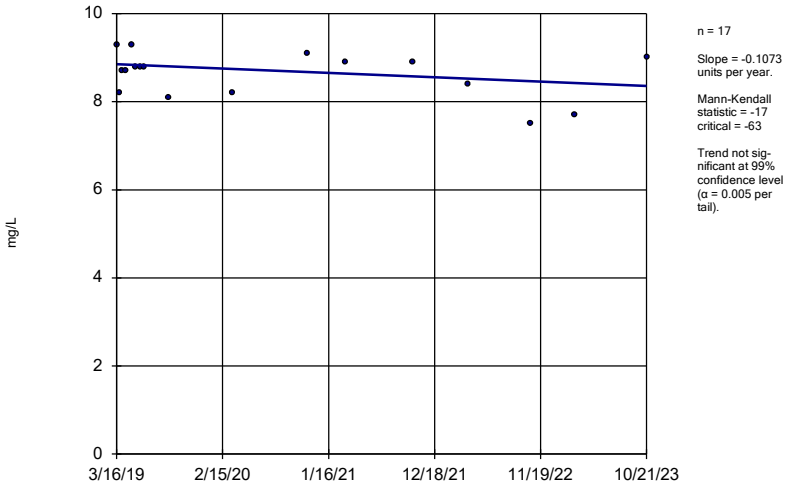
Sen's Slope Estimator

APMW-11 (bg)



n = 17

Slope = -0.1073 units per year.

Mann-Kendall statistic = -17 critical = -63

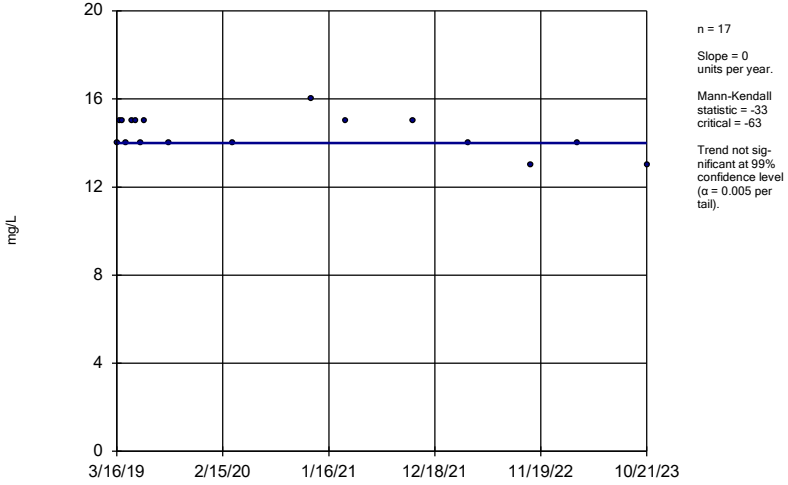
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sen's Slope Estimator

APMW-12 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = -33 critical = -63

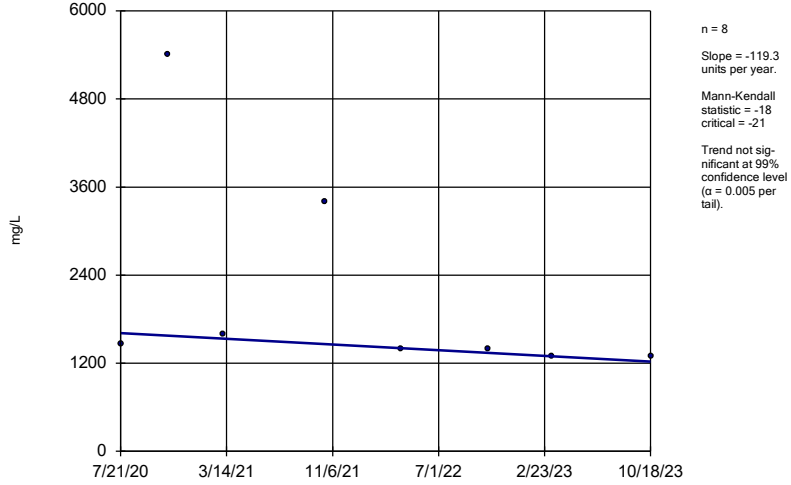
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sen's Slope Estimator

APMW-13 (bg)



n = 8

Slope = -119.3 units per year.

Mann-Kendall statistic = -18 critical = -21

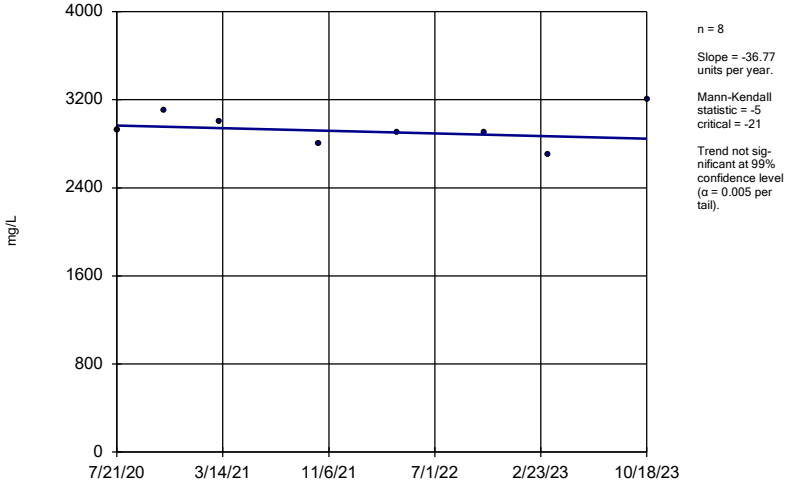
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sen's Slope Estimator

APMW-14 (bg)



n = 8

Slope = -36.77 units per year.

Mann-Kendall statistic = -5 critical = -21

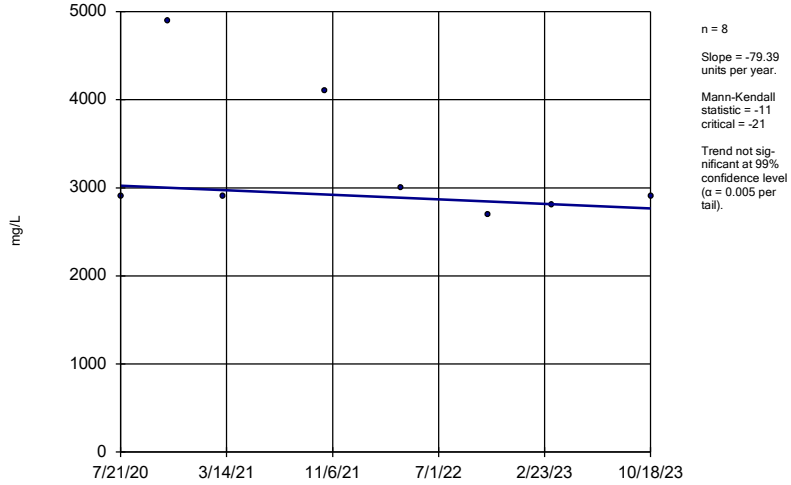
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sen's Slope Estimator

APMW-15 (bg)



n = 8

Slope = -79.39 units per year.

Mann-Kendall statistic = -11 critical = -21

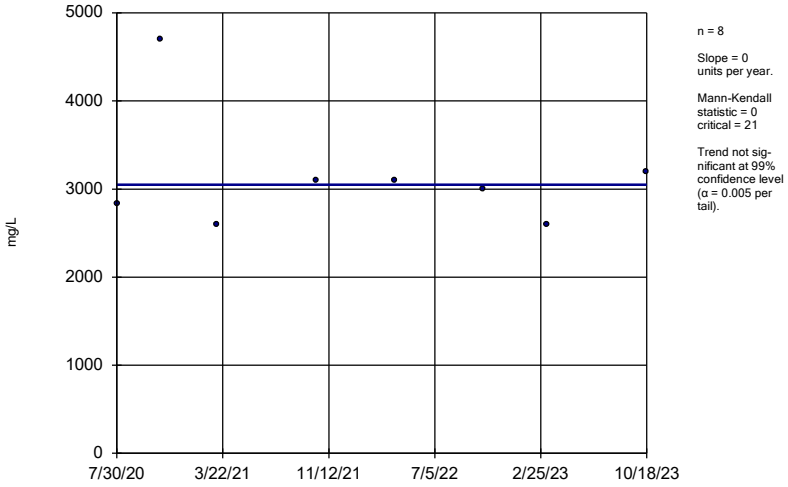
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sen's Slope Estimator

APMW-16 (bg)



n = 8

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 21

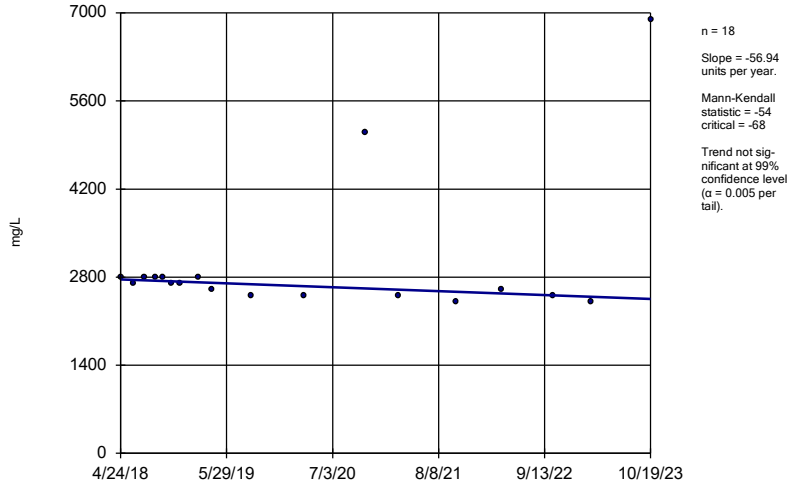
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sen's Slope Estimator

APMW-2



n = 18

Slope = -56.94 units per year.

Mann-Kendall statistic = -54 critical = -68

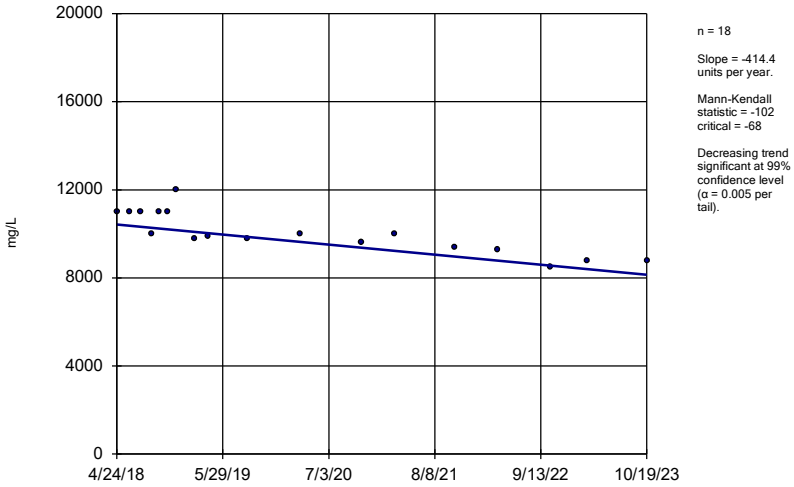
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sen's Slope Estimator

APMW-3



n = 18

Slope = -414.4 units per year.

Mann-Kendall statistic = -102 critical = -68

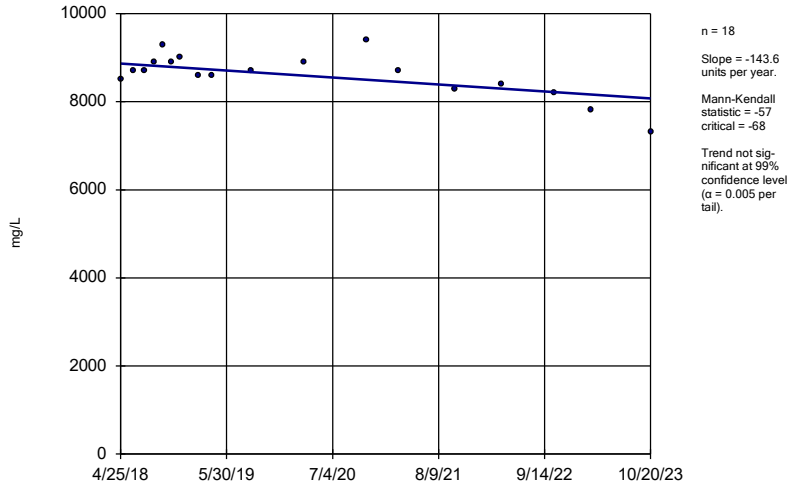
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sen's Slope Estimator

APMW-5



n = 18

Slope = -143.6 units per year.

Mann-Kendall statistic = -57 critical = -68

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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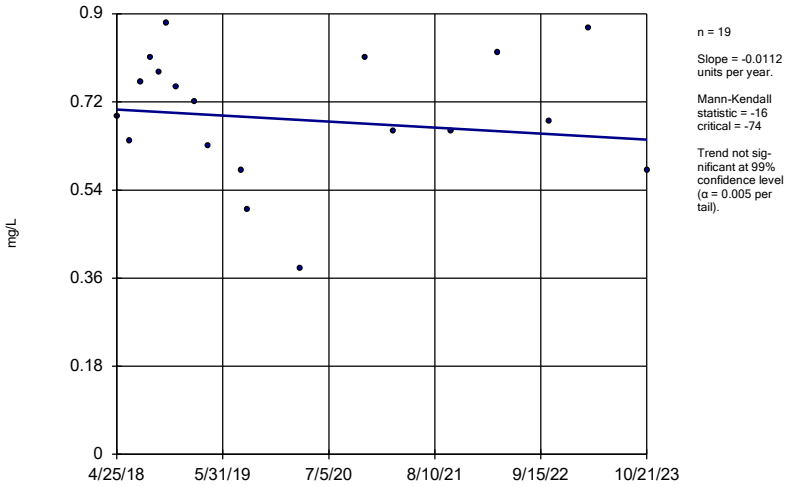
Sen's Slope Estimator

APMW-10



n = 19

Slope = -0.0112 units per year.

Mann-Kendall statistic = -16
critical = -74

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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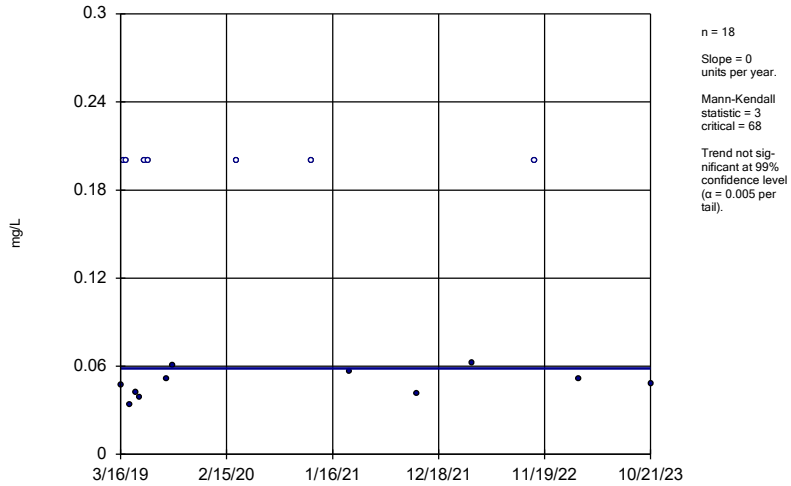
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-11 (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 3
critical = 68

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests

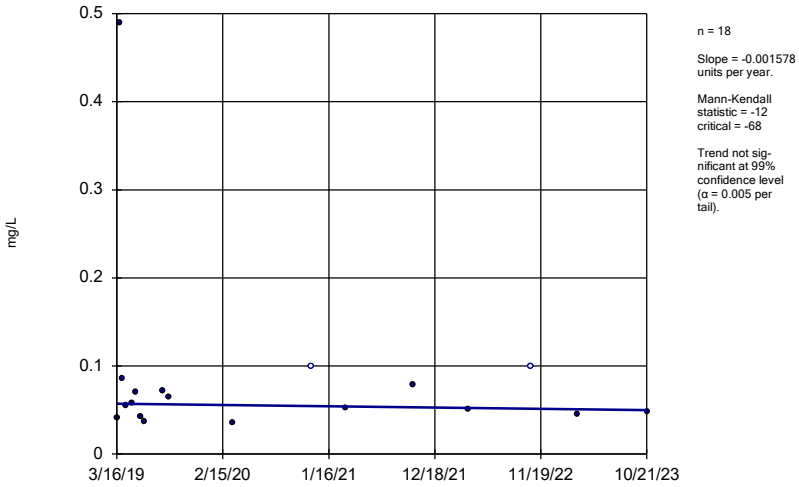
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.13b Software licensed to Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-12 (bg)



n = 18

Slope = -0.001578 units per year.

Mann-Kendall statistic = -12
critical = -68

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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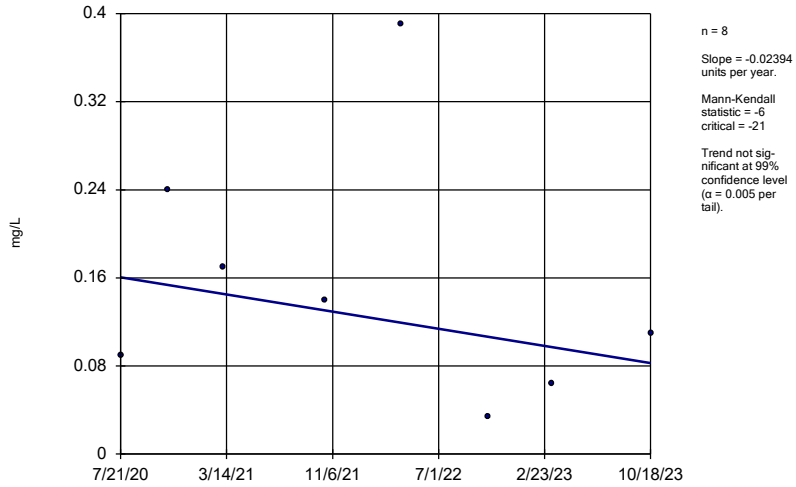
Sen's Slope Estimator

APMW-13 (bg)



n = 8

Slope = -0.02394 units per year.

Mann-Kendall statistic = -6
critical = -21

Trend not significant at 99% confidence level (α = 0.005 per tail).

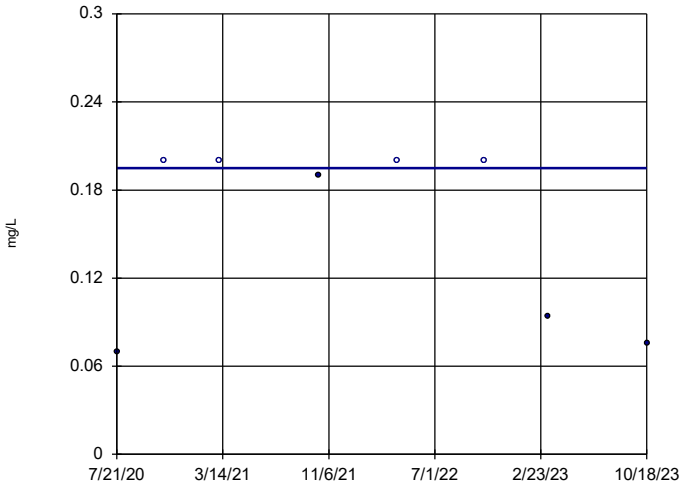
Constituent: Fluoride Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.13b Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-14 (bg)



n = 8

Slope = 0 units per year.

Mann-Kendall statistic = -4
critical = -21

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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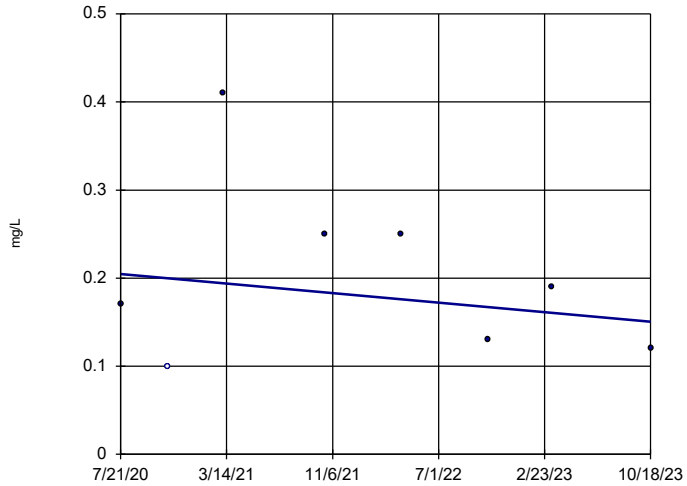
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-15 (bg)



n = 8

Slope = -0.01661 units per year.

Mann-Kendall statistic = -5
critical = -21

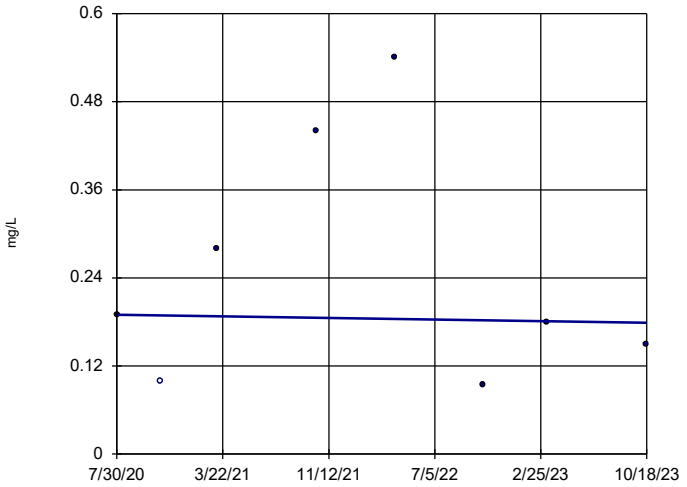
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.13b Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-16 (bg)



n = 8

Slope = -0.003449 units per year.

Mann-Kendall statistic = -2
critical = -21

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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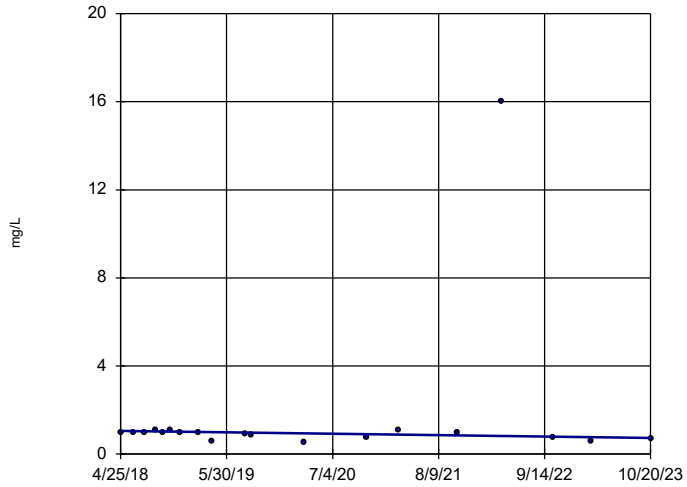
Sen's Slope Estimator

APMW-8



n = 19

Slope = -0.05938 units per year.

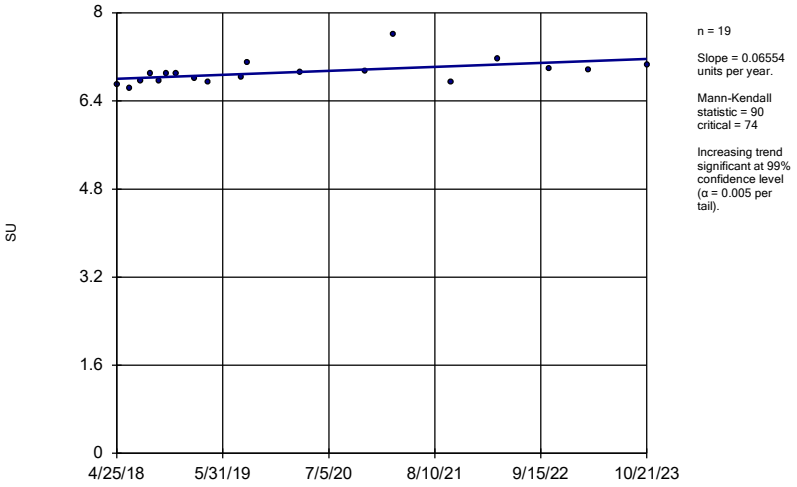
Mann-Kendall statistic = -55
critical = -74

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sen's Slope Estimator

APMW-10



n = 19

Slope = 0.06554 units per year.

Mann-Kendall statistic = 90
critical = 74

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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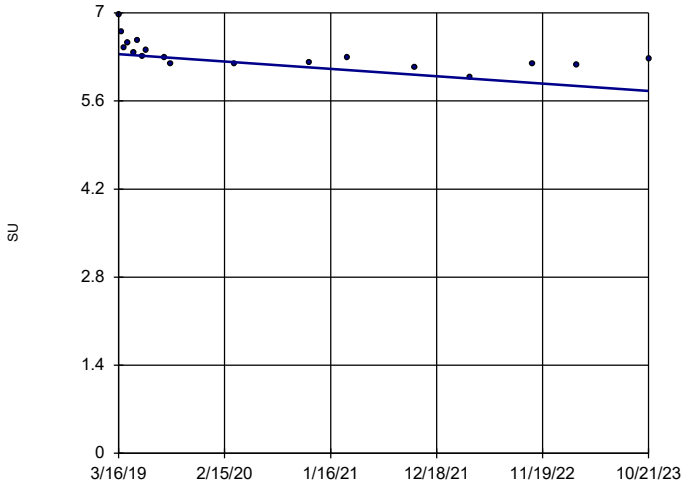
Sen's Slope Estimator

APMW-11 (bg)



n = 18

Slope = -0.1267 units per year.

Mann-Kendall statistic = -107
critical = -68

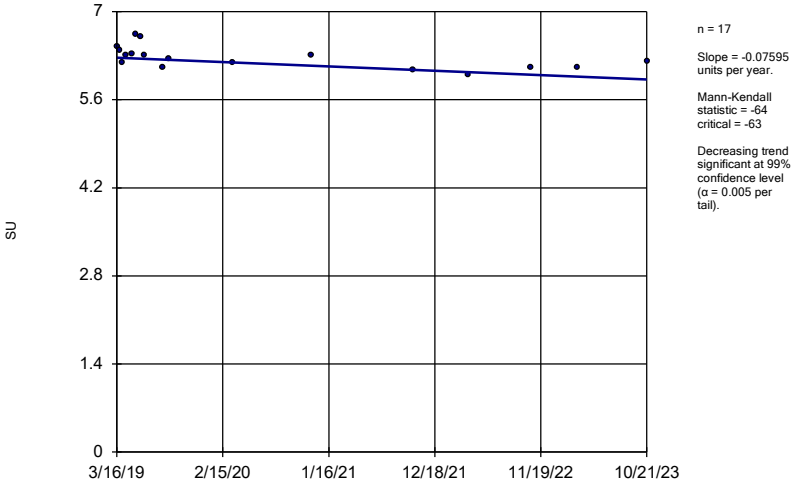
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.13b Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-12 (bg)



n = 17

Slope = -0.07595 units per year.

Mann-Kendall statistic = -64
critical = -63

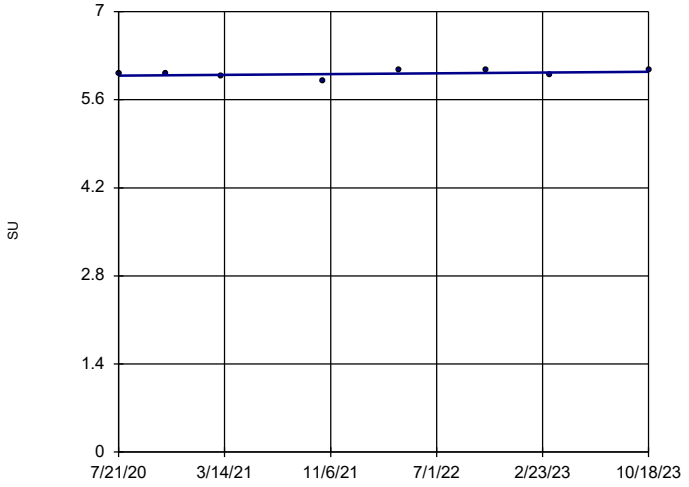
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.13b Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-13 (bg)



n = 8

Slope = 0.01861 units per year.

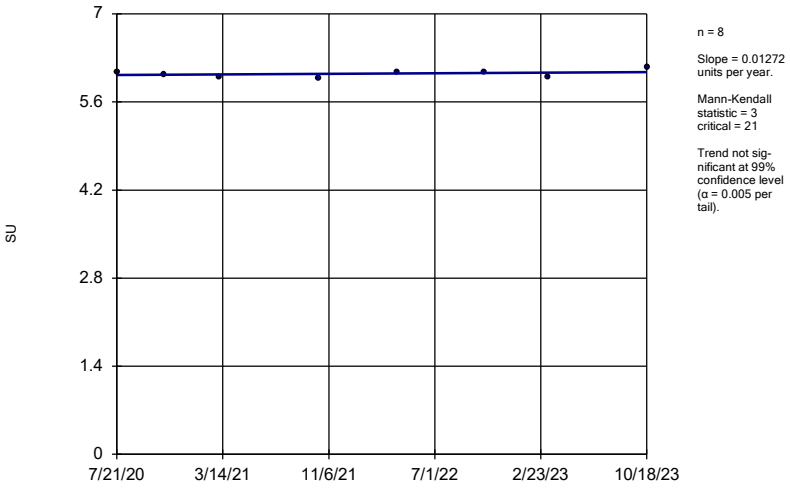
Mann-Kendall statistic = 6
critical = 21

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sen's Slope Estimator

APMW-14 (bg)

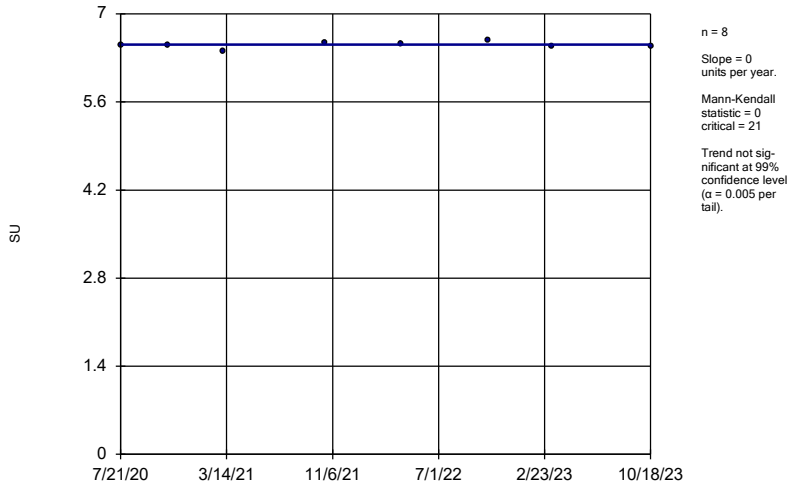


Constituent: pH Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sen's Slope Estimator

APMW-15 (bg)

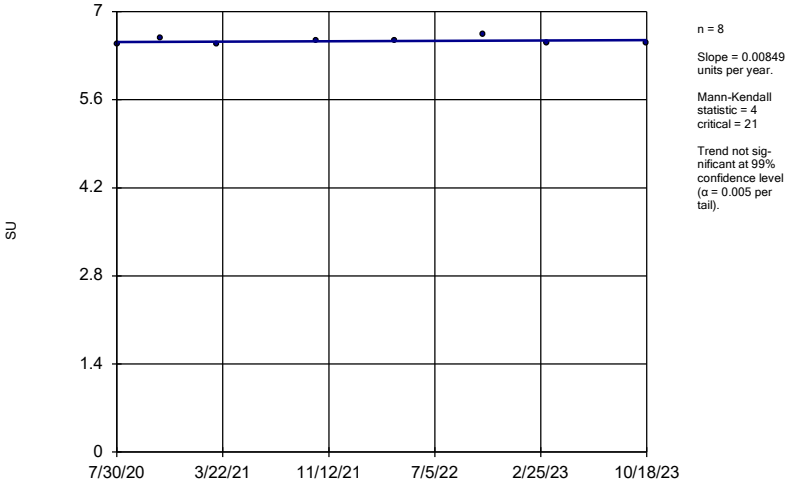


Constituent: pH Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sen's Slope Estimator

APMW-16 (bg)



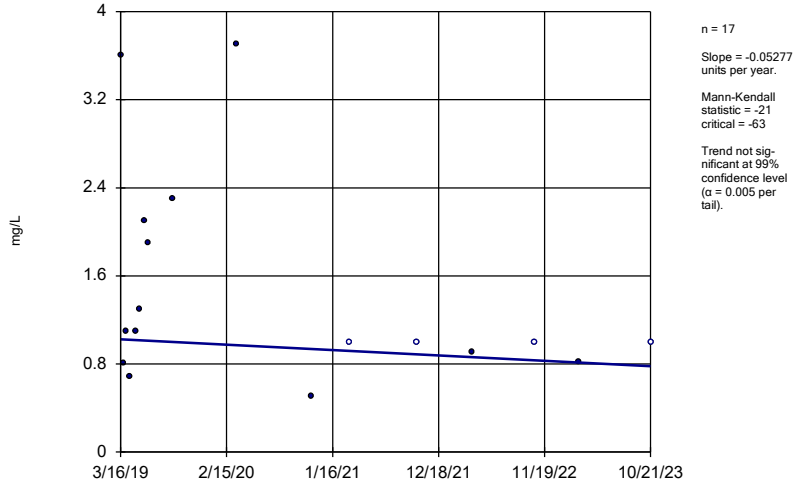
Constituent: pH Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-11 (bg)



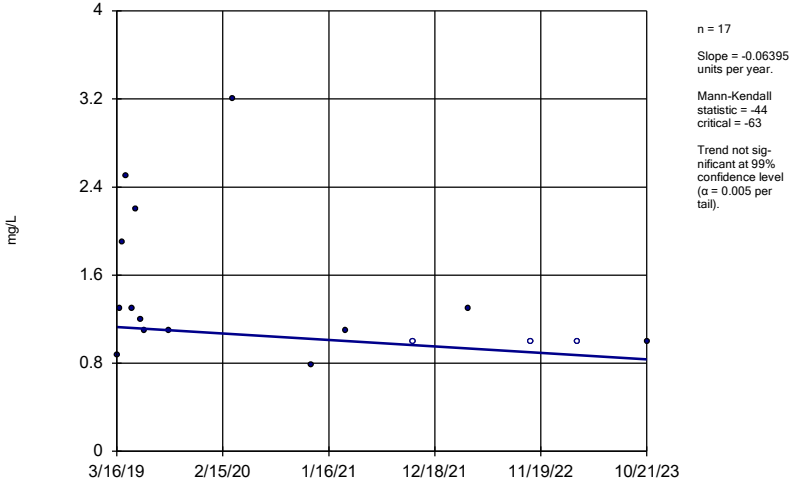
Constituent: Sulfate Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-12 (bg)



n = 17

Slope = -0.06395 units per year.

Mann-Kendall statistic = -44
critical = -63

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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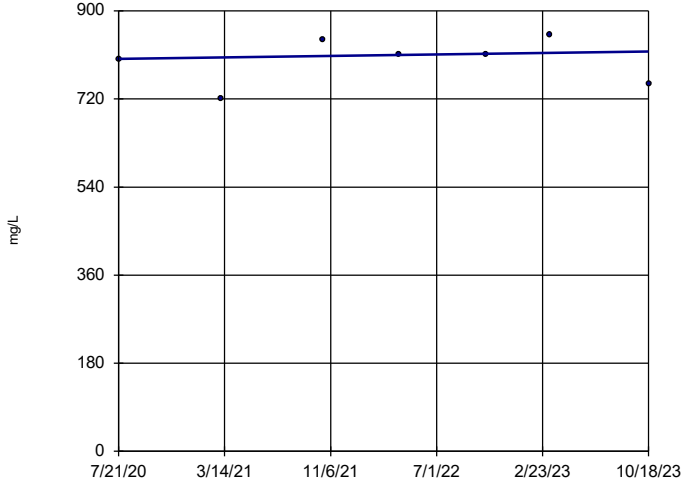
Sen's Slope Estimator

APMW-13 (bg)



n = 7

Slope = 4.672 units per year.

Mann-Kendall statistic = 4
critical = 18

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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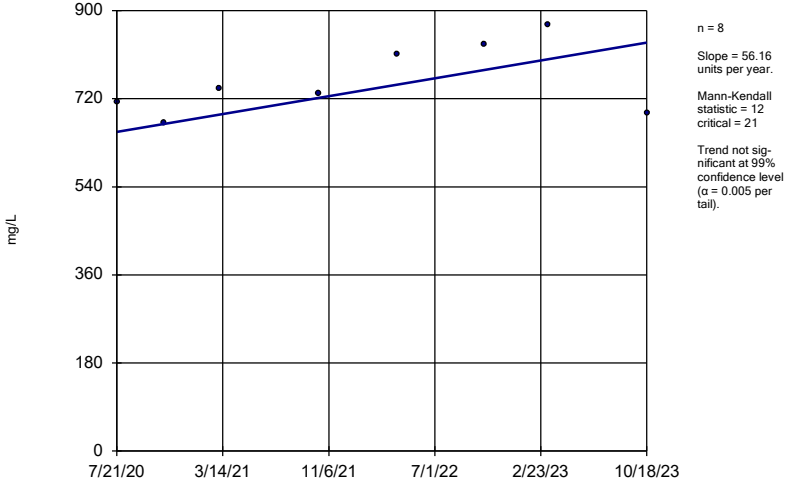
Sen's Slope Estimator

APMW-14 (bg)



n = 8

Slope = 56.16 units per year.

Mann-Kendall statistic = 12
critical = 21

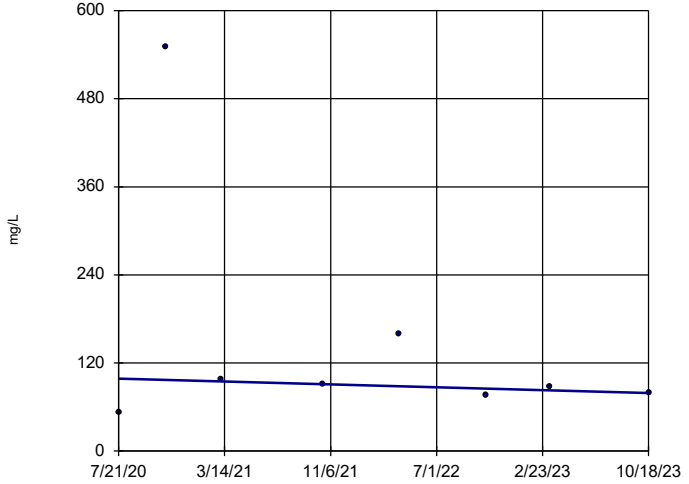
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.13b Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-15 (bg)



n = 8

Slope = -6.135 units per year.

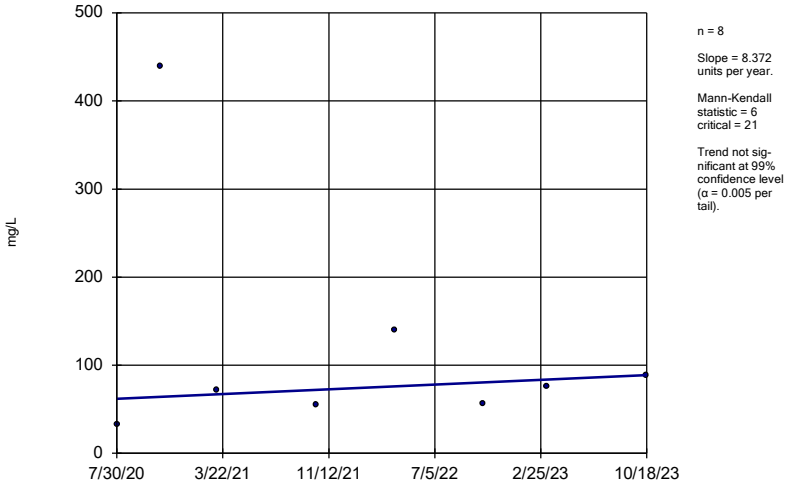
Mann-Kendall statistic = -6
critical = -21

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sen's Slope Estimator

APMW-16 (bg)



n = 8

Slope = 8.372 units per year.

Mann-Kendall statistic = 6
critical = 21

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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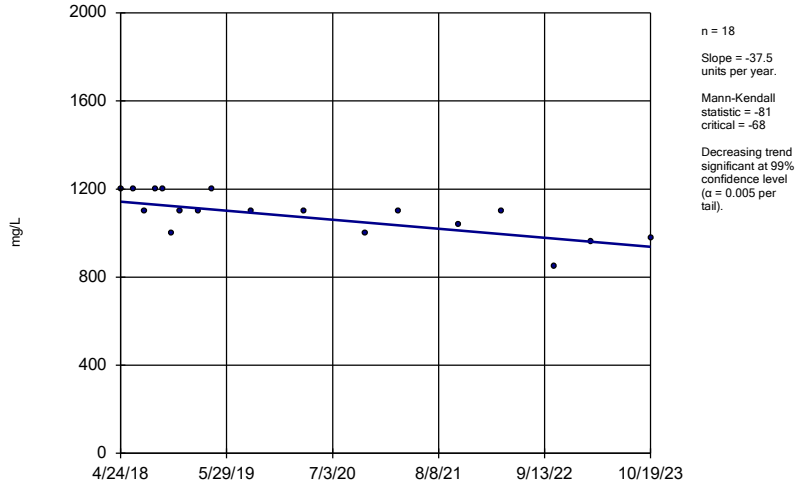
Sen's Slope Estimator

APMW-3



n = 18

Slope = -37.5 units per year.

Mann-Kendall statistic = -81
critical = -68

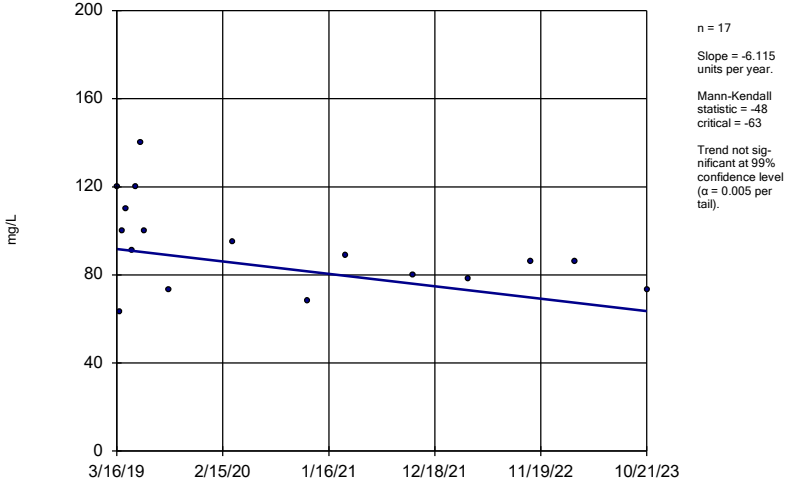
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.13b Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-11 (bg)



n = 17

Slope = -6.115 units per year.

Mann-Kendall statistic = -48
critical = -63

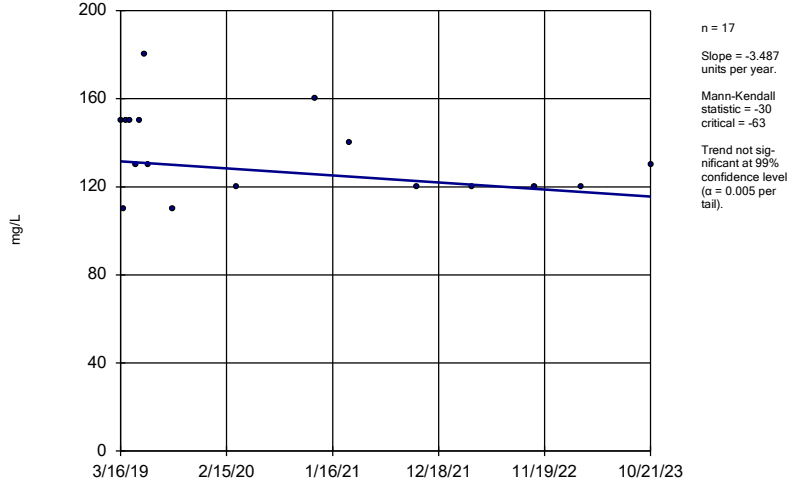
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.13b Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-12 (bg)



n = 17

Slope = -3.487 units per year.

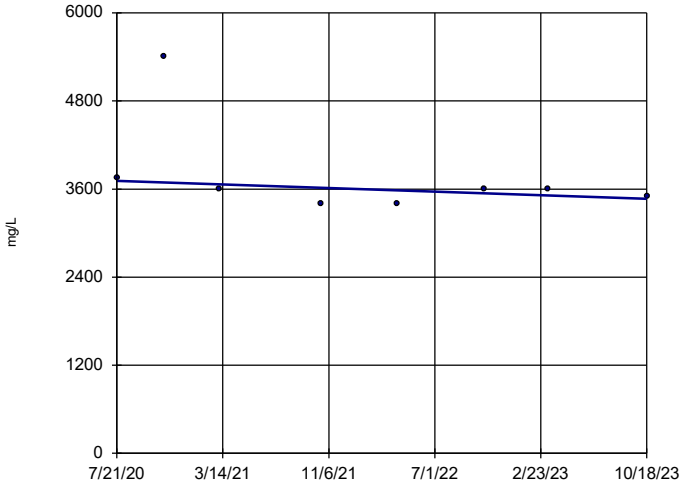
Mann-Kendall statistic = -30
critical = -63

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sen's Slope Estimator

APMW-13 (bg)



n = 8

Slope = -75.69 units per year.

Mann-Kendall statistic = -10
critical = -21

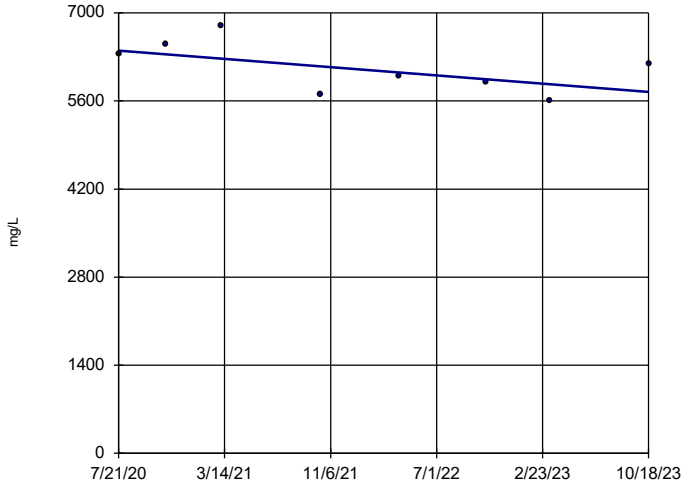
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.13b Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-14 (bg)



n = 8

Slope = -202.4 units per year.

Mann-Kendall statistic = -10
critical = -21

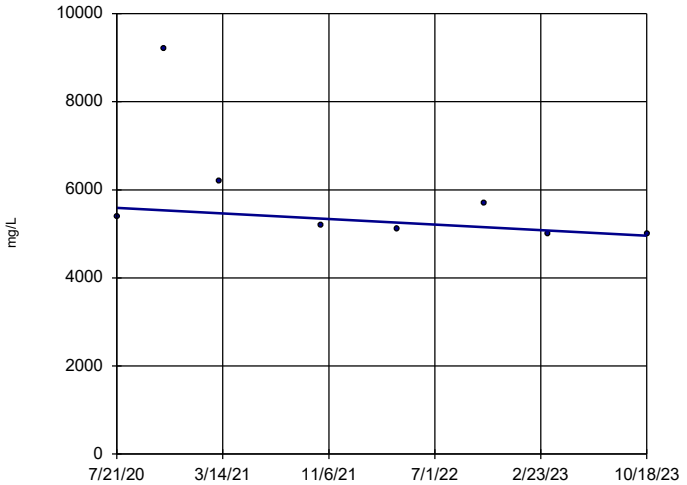
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.13b Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-15 (bg)



n = 8

Slope = -195.6 units per year.

Mann-Kendall statistic = -17
critical = -21

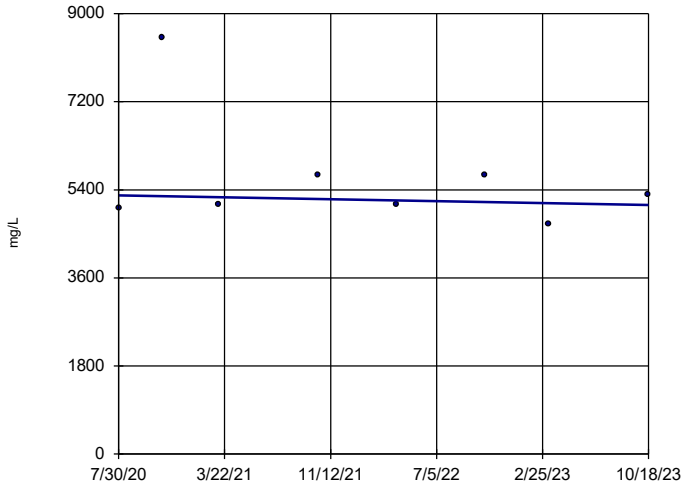
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.13b Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-16 (bg)



n = 8

Slope = -61.28 units per year.

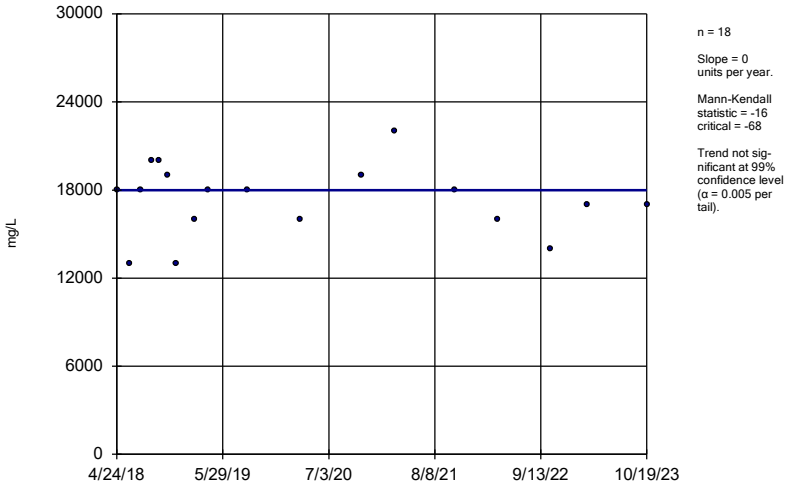
Mann-Kendall statistic = -2
critical = -21

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sen's Slope Estimator

APMW-3



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = -16
critical = -68

Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

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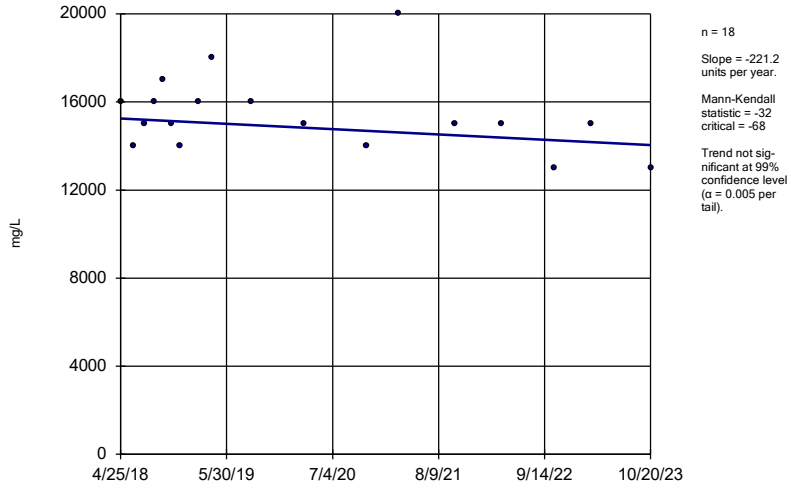
Sen's Slope Estimator

APMW-5



n = 18

Slope = -221.2 units per year.

Mann-Kendall statistic = -32
critical = -68

Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 11/30/2023 10:00 AM View: Appendix III - Trend Tests
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

FIGURE F.

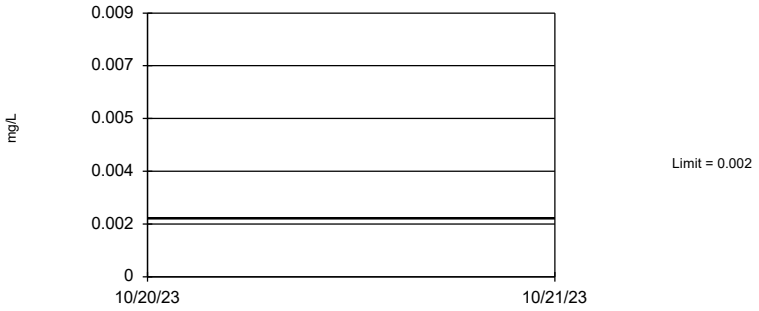
Upper Tolerance Limits

Plant Watson Data: Plant Watson AP CCR Printed 12/6/2023, 11:09 AM

Constituent	Upper Lim.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	0.002	68	n/a	n/a	98.53	n/a	n/a	0.03056	NP Inter(NDs)
Arsenic (mg/L)	0.005	68	n/a	n/a	42.65	n/a	n/a	0.03056	NP Inter(normality)
Barium (mg/L)	0.25	68	n/a	n/a	0	n/a	n/a	0.03056	NP Inter(normality)
Beryllium (mg/L)	0.0025	68	n/a	n/a	95.59	n/a	n/a	0.03056	NP Inter(NDs)
Cadmium (mg/L)	0.0025	68	n/a	n/a	98.53	n/a	n/a	0.03056	NP Inter(NDs)
Chromium (mg/L)	0.0044	64	n/a	n/a	84.38	n/a	n/a	0.03752	NP Inter(NDs)
Cobalt (mg/L)	0.0025	68	n/a	n/a	89.71	n/a	n/a	0.03056	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	5.848	68	1.069	0.3677	2.941	None	x^(1/3)	0.05	Inter
Fluoride (mg/L)	0.54	68	n/a	n/a	22.06	n/a	n/a	0.03056	NP Inter(normality)
Lead (mg/L)	0.001	68	n/a	n/a	97.06	n/a	n/a	0.03056	NP Inter(NDs)
Lithium (mg/L)	0.02318	68	0.1012	0.02561	7.353	None	sqrt(x)	0.05	Inter
Mercury (mg/L)	0.0002	64	n/a	n/a	96.88	n/a	n/a	0.03752	NP Inter(NDs)
Molybdenum (mg/L)	0.015	68	n/a	n/a	97.06	n/a	n/a	0.03056	NP Inter(NDs)
Selenium (mg/L)	0.005	68	n/a	n/a	100	n/a	n/a	0.03056	NP Inter(NDs)
Thallium (mg/L)	0.001	68	n/a	n/a	97.06	n/a	n/a	0.03056	NP Inter(NDs)

Tolerance Limit

Interwell Non-parametric

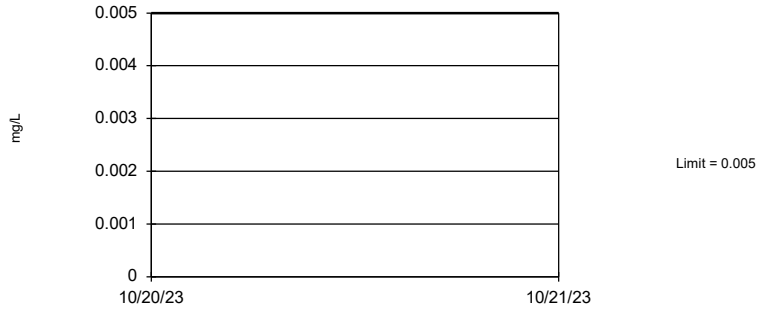


Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 68 background values. 98.53% NDs. 93.55% coverage at alpha=0.01; 95.51% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.03056.

Constituent: Antimony Analysis Run 12/6/2023 11:06 AM View: Appendix IV - UTLs
Plant Watson Data: Plant Watson AP CCR

Tolerance Limit

Interwell Non-parametric

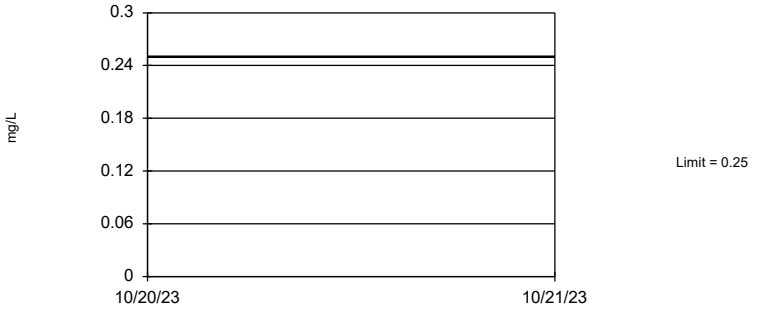


Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 68 background values. 42.65% NDs. 93.55% coverage at alpha=0.01; 95.51% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.03056.

Constituent: Arsenic Analysis Run 12/6/2023 11:06 AM View: Appendix IV - UTLs
Plant Watson Data: Plant Watson AP CCR

Tolerance Limit

Interwell Non-parametric

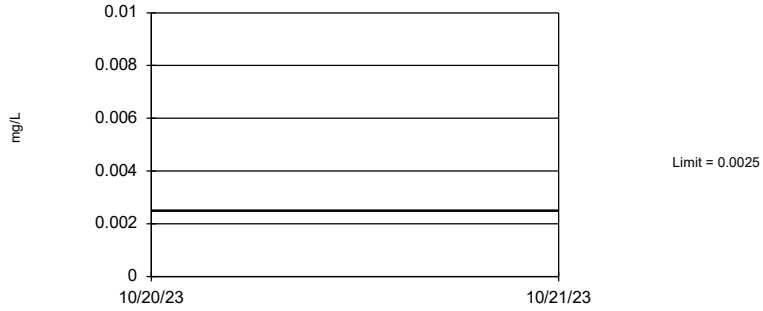


Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 68 background values. 93.55% coverage at alpha=0.01; 95.51% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.03056.

Constituent: Barium Analysis Run 12/6/2023 11:06 AM View: Appendix IV - UTLs
Plant Watson Data: Plant Watson AP CCR

Tolerance Limit

Interwell Non-parametric

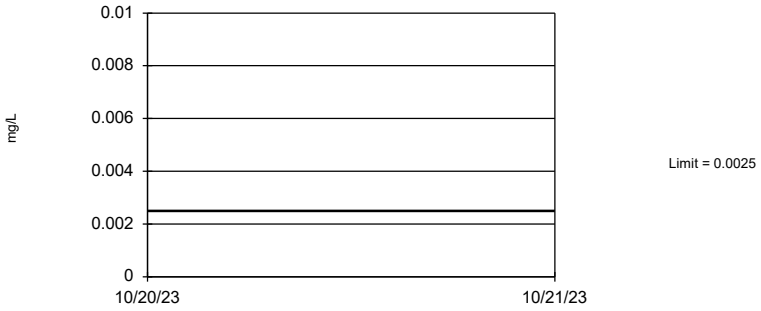


Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 68 background values. 95.59% NDs. 93.55% coverage at alpha=0.01; 95.51% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.03056.

Constituent: Beryllium Analysis Run 12/6/2023 11:06 AM View: Appendix IV - UTLs
Plant Watson Data: Plant Watson AP CCR

Tolerance Limit

Interwell Non-parametric

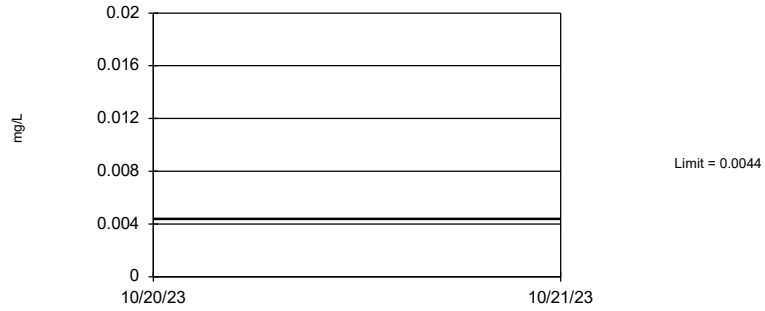


Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 68 background values. 98.53% NDs. 93.55% coverage at alpha=0.01; 95.51% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.03056.

Constituent: Cadmium Analysis Run 12/6/2023 11:06 AM View: Appendix IV - UTLs
Plant Watson Data: Plant Watson AP CCR

Tolerance Limit

Interwell Non-parametric

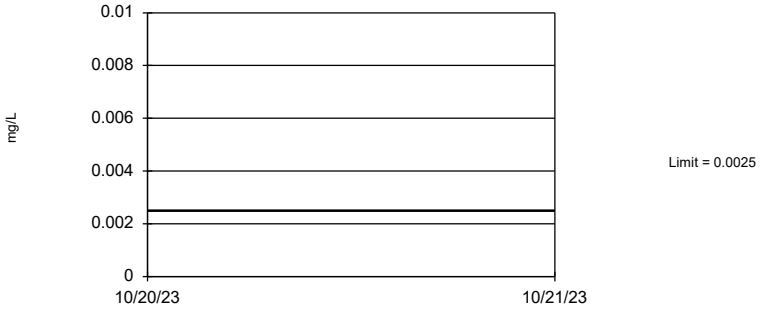


Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 64 background values. 84.38% NDs. 93.16% coverage at alpha=0.01; 95.51% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.03752.

Constituent: Chromium Analysis Run 12/6/2023 11:06 AM View: Appendix IV - UTLs
Plant Watson Data: Plant Watson AP CCR

Tolerance Limit

Interwell Non-parametric

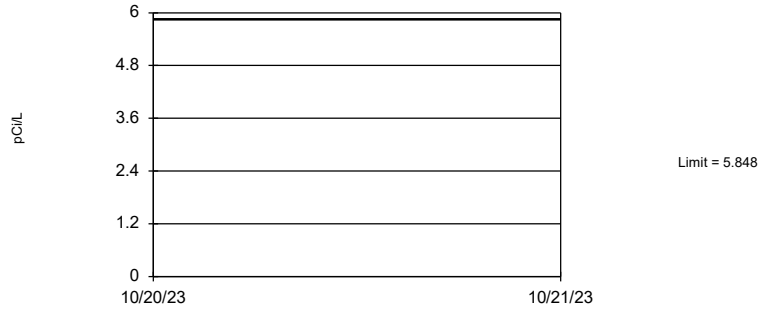


Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 68 background values. 89.71% NDs. 93.55% coverage at alpha=0.01; 95.51% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.03056.

Constituent: Cobalt Analysis Run 12/6/2023 11:06 AM View: Appendix IV - UTLs
Plant Watson Data: Plant Watson AP CCR

Tolerance Limit

Interwell Parametric



95% coverage. Background Data Summary (based on cube root transformation): Mean=1.069, Std. Dev.=0.3677, n=68, 2.941% NDs. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9633, critical = 0.95. Report alpha = 0.05.

Constituent: Combined Radium 226 + 228 Analysis Run 12/6/2023 11:06 AM View: Appendix IV - UTLs
Plant Watson Data: Plant Watson AP CCR

Tolerance Limit

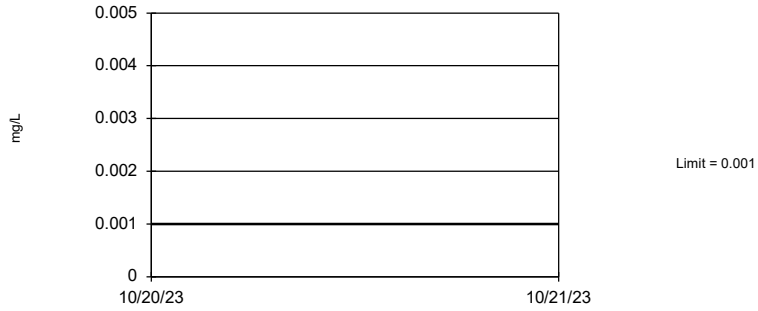
Interwell Non-parametric

Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 68 background values. 22.06% NDs. 93.55% coverage at alpha=0.01; 95.51% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.03056.

Constituent: Fluoride Analysis Run 12/6/2023 11:06 AM View: Appendix IV - UTLs
Plant Watson Data: Plant Watson AP CCR

Tolerance Limit

Interwell Non-parametric

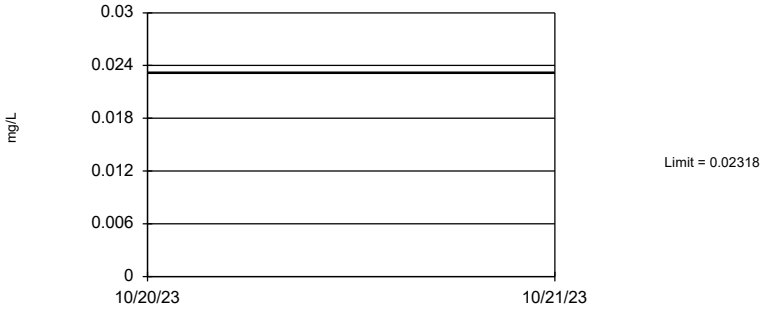


Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 68 background values. 97.06% NDs. 93.55% coverage at alpha=0.01; 95.51% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.03056.

Constituent: Lead Analysis Run 12/6/2023 11:06 AM View: Appendix IV - UTLs
Plant Watson Data: Plant Watson AP CCR

Tolerance Limit

Interwell Parametric

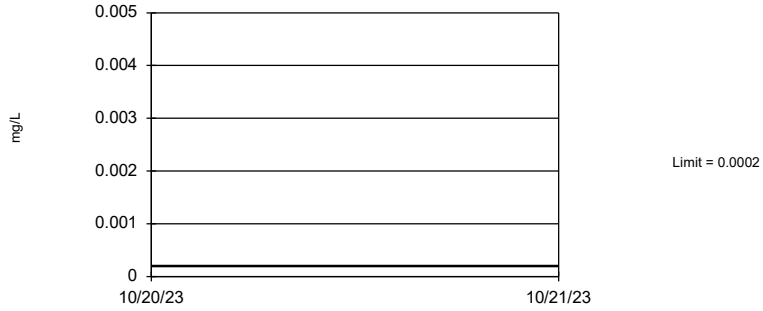


95% coverage. Background Data Summary (based on square root transformation): Mean=0.1012, Std. Dev.=0.02561, n=68, 7.353% NDs. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9659, critical = 0.95. Report alpha = 0.05.

Constituent: Lithium Analysis Run 12/6/2023 11:06 AM View: Appendix IV - UTLs
Plant Watson Data: Plant Watson AP CCR

Tolerance Limit

Interwell Non-parametric

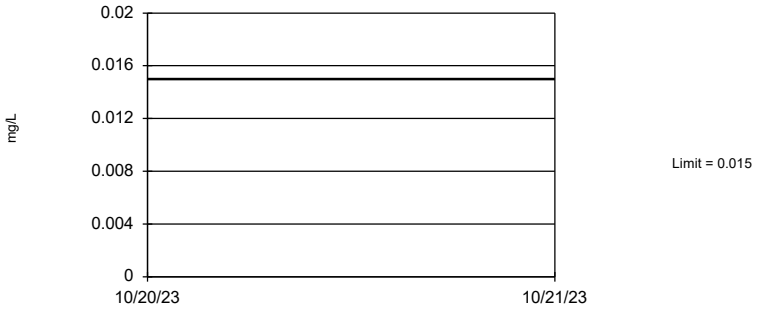


Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 64 background values. 96.88% NDs. 93.16% coverage at alpha=0.01; 95.51% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.03752.

Constituent: Mercury Analysis Run 12/6/2023 11:06 AM View: Appendix IV - UTLs
Plant Watson Data: Plant Watson AP CCR

Tolerance Limit

Interwell Non-parametric

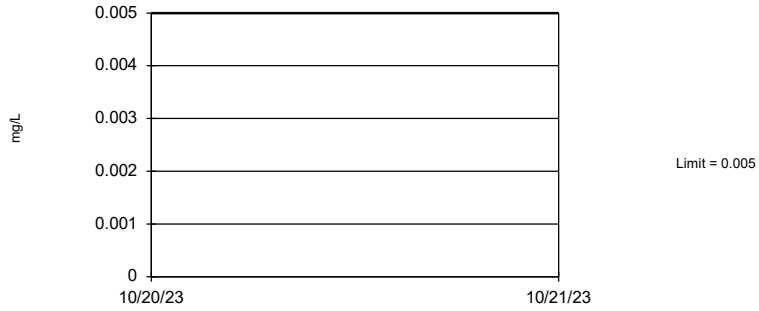


Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 68 background values. 97.06% NDs. 93.55% coverage at alpha=0.01; 95.51% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.03056.

Constituent: Molybdenum Analysis Run 12/6/2023 11:06 AM View: Appendix IV - UTLs
Plant Watson Data: Plant Watson AP CCR

Tolerance Limit

Interwell Non-parametric

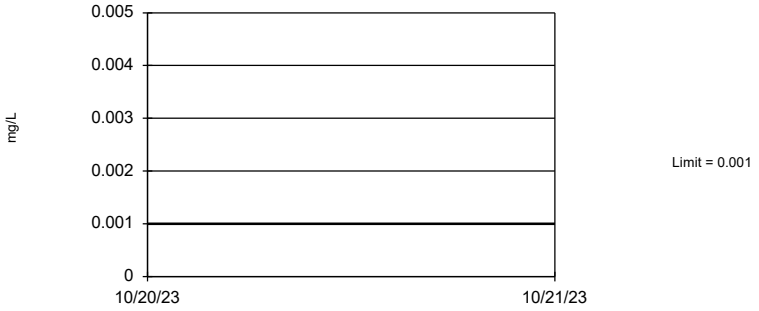


Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. All background values were censored; limit is most recent reporting limit. 93.55% coverage at alpha=0.01; 95.51% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.03056.

Constituent: Selenium Analysis Run 12/6/2023 11:06 AM View: Appendix IV - UTLs
Plant Watson Data: Plant Watson AP CCR

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 68 background values. 97.06% NDs. 93.55% coverage at alpha=0.01; 95.51% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.03056.

Constituent: Thallium Analysis Run 12/6/2023 11:06 AM View: Appendix IV - UTLs
Plant Watson Data: Plant Watson AP CCR

FIGURE G.

PLANT WATSON AP CCR GWPS TABLE				
Constituent Name	**MCL**	**CCR Rule-Specified**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.002	0.006
Arsenic, Total (mg/L)	0.01		0.005	0.01
Barium, Total (mg/L)	2		0.25	2
Beryllium, Total (mg/L)	0.004		0.0025	0.004
Cadmium, Total (mg/L)	0.005		0.0025	0.005
Chromium, Total (mg/L)	0.1		0.0044	0.1
Cobalt, Total (mg/L)		0.006	0.0025	0.006
Combined Radium, Total (pCi/L)	5		5.85	5.85
Fluoride, Total (mg/L)	4		0.54	4
Lead, Total (mg/L)		0.015	0.001	0.015
Lithium, Total (mg/L)		0.04	0.023	0.04
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)		0.1	0.015	0.1
Selenium, Total (mg/L)	0.05		0.005	0.05
Thallium, Total (mg/L)	0.002		0.001	0.002

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residuals*

**GWPS = Groundwater Protection Standard*

**Grey cell indicates background limit is higher than CCR Rule Specified or MCL*

FIGURE H.

Confidence Interval Summary Table - Significant Results

Plant Watson Data: Plant Watson AP CCR Printed 12/6/2023, 11:12 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	**APMW-10**	**0.12**	**0.037**	**0.01**	**Yes**	**18**	**0.08344**	**0.03728**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Arsenic (mg/L)	**APMW-3**	**0.08053**	**0.06064**	**0.01**	**Yes**	**18**	**0.07058**	**0.01643**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**APMW-4**	**0.018**	**0.011**	**0.01**	**Yes**	**18**	**0.01524**	**0.00416**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Arsenic (mg/L)	**APMW-5**	**0.2365**	**0.2112**	**0.01**	**Yes**	**18**	**0.2239**	**0.0209**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**APMW-5D**	**0.01837**	**0.01052**	**0.01**	**Yes**	**8**	**0.01445**	**0.003702**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**APMW-6R**	**0.1988**	**0.14**	**0.01**	**Yes**	**18**	**0.1694**	**0.04854**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**APMW-8**	**0.07262**	**0.03693**	**0.01**	**Yes**	**18**	**0.05478**	**0.0295**	**0**	**None**	**No**	**0.01**	**Param.**
Barium (mg/L)	**APMW-2**	**3.464**	**3.036**	**2**	**Yes**	**18**	**3.25**	**0.3536**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-1R**	**11.3**	**7.377**	**5.85**	**Yes**	**18**	**9.339**	**3.243**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-2**	**20.28**	**18.02**	**5.85**	**Yes**	**18**	**19.15**	**1.871**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-4D**	**9.431**	**7.011**	**5.85**	**Yes**	**8**	**8.221**	**1.142**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-9**	**7.964**	**6.929**	**5.85**	**Yes**	**18**	**7.466**	**0.8807**	**0**	**None**	**x^(1/3)**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-3**	**0.08315**	**0.06978**	**0.04**	**Yes**	**18**	**0.07669**	**0.01143**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-4**	**0.06049**	**0.04843**	**0.04**	**Yes**	**18**	**0.05472**	**0.01032**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-4D**	**0.08998**	**0.04407**	**0.04**	**Yes**	**8**	**0.06703**	**0.02166**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-6R**	**0.05772**	**0.05289**	**0.04**	**Yes**	**18**	**0.05531**	**0.003997**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-8**	**0.095**	**0.071**	**0.04**	**Yes**	**18**	**0.08692**	**0.02351**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Molybdenum (mg/L)	**APMW-4D**	**0.3293**	**0.1749**	**0.1**	**Yes**	**8**	**0.2521**	**0.07281**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	**APMW-6R**	**0.4912**	**0.3866**	**0.1**	**Yes**	**18**	**0.4389**	**0.08643**	**0**	**None**	**No**	**0.01**	**Param.**

Confidence Interval Summary Table - All Results

Plant Watson Data: Plant Watson AP CCR Printed 12/6/2023, 11:12 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	APMW-10D	0.002	0.00053	0.006	No	8	0.001816	0.0005197	87.5	None	No	0.004	NP (NDs)
Antimony (mg/L)	APMW-2	0.002	0.0014	0.006	No	18	0.001967	0.0001414	94.44	None	No	0.01	NP (NDs)
Antimony (mg/L)	APMW-3	0.002	0.00059	0.006	No	18	0.001922	0.0003323	94.44	None	No	0.01	NP (NDs)
Antimony (mg/L)	APMW-6D	0.002	0.00075	0.006	No	8	0.001844	0.0004419	87.5	None	No	0.004	NP (NDs)
Antimony (mg/L)	APMW-8	0.002	0.00066	0.006	No	18	0.001926	0.0003158	94.44	None	No	0.01	NP (NDs)
Arsenic (mg/L)	**APMW-10**	**0.12**	**0.037**	**0.01**	**Yes**	**18**	**0.08344**	**0.03728**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Arsenic (mg/L)	APMW-10D	0.01607	0.00456	0.01	No	8	0.01031	0.005427	12.5	None	No	0.01	Param.
Arsenic (mg/L)	APMW-1R	0.001597	0.0006457	0.01	No	18	0.001986	0.001583	16.67	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	APMW-2	0.005	0.0012	0.01	No	18	0.00407	0.001797	77.78	Kaplan-Meier	No	0.01	NP (NDs)
Arsenic (mg/L)	APMW-2D	0.00348	0.00278	0.01	No	8	0.00313	0.00033	0	None	No	0.01	Param.
Arsenic (mg/L)	**APMW-3**	**0.08053**	**0.06064**	**0.01**	**Yes**	**18**	**0.07058**	**0.01643**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	APMW-3D	0.003748	0.002502	0.01	No	8	0.003125	0.0005874	0	None	No	0.01	Param.
Arsenic (mg/L)	**APMW-4**	**0.018**	**0.011**	**0.01**	**Yes**	**18**	**0.01524**	**0.00416**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Arsenic (mg/L)	APMW-4D	0.006272	0.002911	0.01	No	8	0.004591	0.001585	0	None	No	0.01	Param.
Arsenic (mg/L)	**APMW-5**	**0.2365**	**0.2112**	**0.01**	**Yes**	**18**	**0.2239**	**0.0209**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**APMW-5D**	**0.01837**	**0.01052**	**0.01**	**Yes**	**8**	**0.01445**	**0.003702**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	APMW-6D	0.005403	0.003627	0.01	No	8	0.004515	0.0008377	0	None	No	0.01	Param.
Arsenic (mg/L)	**APMW-6R**	**0.1988**	**0.14**	**0.01**	**Yes**	**18**	**0.1694**	**0.04854**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	APMW-7	0.0015	0.00048	0.01	No	18	0.00115	0.0008506	0	None	No	0.01	NP (normality)
Arsenic (mg/L)	**APMW-8**	**0.07262**	**0.03693**	**0.01**	**Yes**	**18**	**0.05478**	**0.0295**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	APMW-8D	0.004187	0.001736	0.01	No	8	0.002962	0.001156	0	None	No	0.01	Param.
Arsenic (mg/L)	APMW-9	0.001404	0.001174	0.01	No	18	0.001289	0.0001906	0	None	No	0.01	Param.
Barium (mg/L)	APMW-10	0.3152	0.2481	2	No	18	0.2817	0.05544	0	None	No	0.01	Param.
Barium (mg/L)	APMW-10D	0.03335	0.01884	2	No	8	0.02572	0.009067	12.5	None	x^2	0.01	Param.
Barium (mg/L)	APMW-1R	1.6	0.93	2	No	18	1.231	0.3374	0	None	No	0.01	NP (normality)
Barium (mg/L)	**APMW-2**	**3.464**	**3.036**	**2**	**Yes**	**18**	**3.25**	**0.3536**	**0**	**None**	**No**	**0.01**	**Param.**
Barium (mg/L)	APMW-2D	0.06385	0.03676	2	No	8	0.0501	0.01306	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	APMW-3	0.11	0.097	2	No	18	0.1004	0.009678	0	None	No	0.01	NP (normality)
Barium (mg/L)	APMW-3D	0.1871	0.1442	2	No	8	0.1656	0.02026	0	None	No	0.01	Param.
Barium (mg/L)	APMW-4	0.5	0.21	2	No	18	0.3439	0.1415	0	None	No	0.01	NP (normality)
Barium (mg/L)	APMW-4D	0.2484	0.07784	2	No	8	0.1598	0.09501	0	None	ln(x)	0.01	Param.
Barium (mg/L)	APMW-5	0.11	0.093	2	No	18	0.1023	0.008029	0	None	No	0.01	NP (normality)
Barium (mg/L)	APMW-5D	0.06478	0.04495	2	No	8	0.05486	0.009355	0	None	No	0.01	Param.
Barium (mg/L)	APMW-6D	0.1454	0.07559	2	No	8	0.1105	0.03294	0	None	No	0.01	Param.
Barium (mg/L)	APMW-6R	0.06226	0.05063	2	No	18	0.05644	0.009605	0	None	No	0.01	Param.
Barium (mg/L)	APMW-7	0.8366	0.639	2	No	18	0.7378	0.1633	0	None	No	0.01	Param.
Barium (mg/L)	APMW-8	0.24	0.2	2	No	18	0.2267	0.0297	0	None	No	0.01	NP (normality)
Barium (mg/L)	APMW-8D	0.1624	0.0886	2	No	8	0.1255	0.03482	0	None	No	0.01	Param.
Barium (mg/L)	APMW-9	0.4813	0.432	2	No	18	0.4567	0.04073	0	None	No	0.01	Param.
Beryllium (mg/L)	APMW-10	0.0025	0.00076	0.004	No	18	0.002288	0.0006186	88.89	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-10D	0.0025	0.00057	0.004	No	8	0.002259	0.0006824	87.5	None	No	0.004	NP (NDs)
Beryllium (mg/L)	APMW-1R	0.0025	0.00019	0.004	No	18	0.002372	0.0005445	94.44	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-2	0.0025	0.00061	0.004	No	18	0.002018	0.0009318	77.78	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-3	0.0025	0.00018	0.004	No	18	0.002371	0.0005468	94.44	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-6R	0.0025	0.00036	0.004	No	18	0.002381	0.0005044	94.44	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-7	0.0025	0.00025	0.004	No	18	0.002375	0.0005303	94.44	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-8	0.0025	0.00038	0.004	No	18	0.00226	0.0006986	88.89	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-9	0.0025	0.00049	0.004	No	18	0.002139	0.0008322	83.33	None	No	0.01	NP (NDs)
Cadmium (mg/L)	APMW-10	0.0025	0.00025	0.005	No	18	0.002375	0.0005303	94.44	None	No	0.01	NP (NDs)
Cadmium (mg/L)	APMW-10D	0.0025	0.00025	0.005	No	8	0.002219	0.0007955	87.5	None	No	0.004	NP (NDs)
Cadmium (mg/L)	APMW-1R	0.0025	0.00045	0.005	No	18	0.002386	0.0004832	94.44	None	No	0.01	NP (NDs)
Cadmium (mg/L)	APMW-6R	0.0025	0.00026	0.005	No	18	0.002244	0.0007441	88.89	None	No	0.01	NP (NDs)
Chromium (mg/L)	APMW-1R	0.0032	0.002	0.1	No	16	0.002075	0.0003	93.75	None	No	0.01	NP (NDs)
Chromium (mg/L)	APMW-2D	0.002	0.00157	0.1	No	8	0.001946	0.000152	87.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	APMW-3	0.002	0.0014	0.1	No	16	0.001963	0.00015	93.75	None	No	0.01	NP (NDs)

Confidence Interval Summary Table - All Results

Plant Watson Data: Plant Watson AP CCR Printed 12/6/2023, 11:12 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	APMW-4	0.002156	0.001514	0.1	No	16	0.002	0.0004227	37.5	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	APMW-5	0.0024	0.0013	0.1	No	16	0.001813	0.0003631	62.5	Kaplan-Meier	No	0.01	NP (NDs)
Chromium (mg/L)	APMW-5D	0.00378	0.0019	0.1	No	8	0.00221	0.0006353	75	Kaplan-Meier	No	0.004	NP (NDs)
Chromium (mg/L)	APMW-7	0.0022	0.0014	0.1	No	16	0.0018	0.0003077	56.25	Kaplan-Meier	No	0.01	NP (NDs)
Chromium (mg/L)	APMW-8	0.0032	0.0014	0.1	No	16	0.002038	0.0003442	87.5	Kaplan-Meier	No	0.01	NP (NDs)
Cobalt (mg/L)	APMW-10	0.0025	0.00033	0.006	No	18	0.002113	0.0008919	83.33	None	No	0.01	NP (NDs)
Cobalt (mg/L)	APMW-10D	0.0025	0.00028	0.006	No	8	0.002222	0.0007849	87.5	None	No	0.004	NP (NDs)
Cobalt (mg/L)	APMW-1R	0.0025	0.0004	0.006	No	18	0.001554	0.001091	55.56	None	No	0.01	NP (NDs)
Cobalt (mg/L)	APMW-3	0.00306	0.002407	0.006	No	18	0.002733	0.0005402	0	None	No	0.01	Param.
Cobalt (mg/L)	APMW-3D	0.0025	0.00021	0.006	No	8	0.002214	0.0008096	87.5	None	No	0.004	NP (NDs)
Cobalt (mg/L)	APMW-4	0.003687	0.003046	0.006	No	18	0.003367	0.0005303	0	None	No	0.01	Param.
Cobalt (mg/L)	APMW-4D	0.00647	0.002882	0.006	No	8	0.004676	0.001693	0	None	No	0.01	Param.
Cobalt (mg/L)	APMW-5	0.0025	0.000079	0.006	No	18	0.002231	0.0007836	88.89	None	No	0.01	NP (NDs)
Cobalt (mg/L)	APMW-5D	0.0011	0.00027	0.006	No	8	0.0004788	0.0002861	0	None	No	0.004	NP (normality)
Cobalt (mg/L)	APMW-6D	0.0025	0.00021	0.006	No	8	0.002214	0.0008096	87.5	None	No	0.004	NP (NDs)
Cobalt (mg/L)	APMW-6R	0.003401	0.002166	0.006	No	18	0.002783	0.001021	0	None	No	0.01	Param.
Cobalt (mg/L)	APMW-7	0.0025	0.00025	0.006	No	18	0.001391	0.001142	50	None	No	0.01	NP (normality)
Cobalt (mg/L)	APMW-8D	0.0025	0.00121	0.006	No	8	0.002339	0.0004561	87.5	None	No	0.004	NP (NDs)
Cobalt (mg/L)	APMW-9	0.0025	0.000089	0.006	No	18	0.002232	0.0007805	88.89	None	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	APMW-10	3.475	2.689	5.85	No	18	3.082	0.6493	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-10D	0.8177	0.1128	5.85	No	8	0.4653	0.3325	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**APMW-1R**	**11.3**	**7.377**	**5.85**	**Yes**	**18**	**9.339**	**3.243**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-2**	**20.28**	**18.02**	**5.85**	**Yes**	**18**	**19.15**	**1.871**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	APMW-2D	0.8892	0.001588	5.85	No	8	0.3606	0.562	0	None	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-3	6.861	5.549	5.85	No	18	6.134	1.175	0	None	x^2	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-3D	1.196	0.508	5.85	No	8	0.844	0.3559	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-4	2.492	1.83	5.85	No	18	2.161	0.5466	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**APMW-4D**	**9.431**	**7.011**	**5.85**	**Yes**	**8**	**8.221**	**1.142**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	APMW-5	4.499	3.658	5.85	No	18	4.078	0.6949	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-5D	0.5435	0.05299	5.85	No	8	0.2983	0.2314	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-6D	0.9986	0.2339	5.85	No	8	0.6163	0.3607	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-6R	3.276	2.767	5.85	No	18	2.91	0.7442	0	None	x^3	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-7	7.374	5.606	5.85	No	18	6.49	1.462	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-8	4.526	3.492	5.85	No	18	4.009	0.8545	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-8D	1.1	0.1604	5.85	No	8	0.6301	0.4432	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**APMW-9**	**7.964**	**6.929**	**5.85**	**Yes**	**18**	**7.466**	**0.8807**	**0**	**None**	**x^(1/3)**	**0.01**	**Param.**
Fluoride (mg/L)	APMW-10	0.7698	0.6197	4	No	19	0.6947	0.1282	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-10D	0.2317	0.1533	4	No	8	0.1925	0.03694	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-1R	0.21	0.13	4	No	18	0.1809	0.04401	50	None	No	0.01	NP (normality)
Fluoride (mg/L)	APMW-2	0.2	0.068	4	No	18	0.1366	0.0661	33.33	None	No	0.01	NP (normality)
Fluoride (mg/L)	APMW-2D	0.2177	0.1448	4	No	8	0.1813	0.03441	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-3	0.4446	0.2335	4	No	19	0.3905	0.2163	26.32	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	APMW-3D	0.1744	0.1231	4	No	8	0.1488	0.02416	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-4	0.5227	0.4319	4	No	19	0.4274	0.1501	10.53	None	x^5	0.01	Param.
Fluoride (mg/L)	APMW-4D	0.2	0.074	4	No	8	0.1558	0.05377	50	None	No	0.004	NP (normality)
Fluoride (mg/L)	APMW-5	0.2	0.09	4	No	18	0.1458	0.05699	50	None	No	0.01	NP (normality)
Fluoride (mg/L)	APMW-5D	0.2205	0.1012	4	No	8	0.1609	0.05629	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-6D	0.2205	0.1245	4	No	8	0.1725	0.04528	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-6R	0.27	0.11	4	No	18	0.5561	1.459	66.67	None	No	0.01	NP (NDs)
Fluoride (mg/L)	APMW-7	0.26	0.11	4	No	19	0.2905	0.4048	15.79	None	No	0.01	NP (normality)
Fluoride (mg/L)	APMW-8	1.1	0.7	4	No	19	1.677	3.473	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	APMW-8D	0.188	0.07954	4	No	8	0.1338	0.05115	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-9	0.2	0.06	4	No	18	0.166	0.1762	33.33	None	No	0.01	NP (normality)
Lead (mg/L)	APMW-10	0.0011	0.0006	0.015	No	18	0.0008917	0.0002787	77.78	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-10D	0.0009679	0.0003746	0.015	No	8	0.0006713	0.0002799	12.5	None	No	0.01	Param.

Confidence Interval Summary Table - All Results

Plant Watson Data: Plant Watson AP CCR Printed 12/6/2023, 11:12 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lead (mg/L)	APMW-2	0.001	0.00022	0.015	No	18	0.0009567	0.0001838	94.44	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-2D	0.0004792	0.0001672	0.015	No	8	0.0005756	0.0003747	37.5	Kaplan-Meier	sqrt(x)	0.01	Param.
Lead (mg/L)	APMW-3	0.001	0.00048	0.015	No	18	0.0009394	0.0001765	88.89	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	APMW-4	0.001	0.00062	0.015	No	18	0.0009789	0.00008957	94.44	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	APMW-4D	0.001	0.00029	0.015	No	8	0.0009113	0.000251	87.5	Kaplan-Meier	No	0.004	NP (NDs)
Lead (mg/L)	APMW-5	0.0011	0.00041	0.015	No	18	0.0009372	0.0002024	83.33	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	APMW-5D	0.001001	0.0001623	0.015	No	8	0.0005888	0.0006405	12.5	None	ln(x)	0.01	Param.
Lead (mg/L)	APMW-6R	0.001	0.00032	0.015	No	18	0.0009622	0.0001603	94.44	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-7	0.0019	0.001	0.015	No	18	0.00105	0.0002121	94.44	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-8	0.0013	0.00075	0.015	No	18	0.001036	0.0001696	83.33	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-9	0.001	0.00039	0.015	No	18	0.0009178	0.0002434	88.89	None	No	0.01	NP (NDs)
Lithium (mg/L)	APMW-10	0.01698	0.0105	0.04	No	18	0.01448	0.006909	0	None	ln(x)	0.01	Param.
Lithium (mg/L)	APMW-10D	0.01915	0.006876	0.04	No	8	0.01301	0.005789	12.5	None	No	0.01	Param.
Lithium (mg/L)	APMW-1R	0.01648	0.01215	0.04	No	18	0.01461	0.004132	5.556	None	ln(x)	0.01	Param.
Lithium (mg/L)	APMW-2	0.03126	0.02463	0.04	No	18	0.02794	0.005482	0	None	No	0.01	Param.
Lithium (mg/L)	APMW-2D	0.01119	0.008883	0.04	No	8	0.01004	0.001089	0	None	No	0.01	Param.
Lithium (mg/L)	**APMW-3**	**0.08315**	**0.06978**	**0.04**	**Yes**	**18**	**0.07669**	**0.01143**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Lithium (mg/L)	APMW-3D	0.01698	0.007418	0.04	No	8	0.0122	0.004509	0	None	No	0.01	Param.
Lithium (mg/L)	**APMW-4**	**0.06049**	**0.04843**	**0.04**	**Yes**	**18**	**0.05472**	**0.01032**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-4D**	**0.08998**	**0.04407**	**0.04**	**Yes**	**8**	**0.06703**	**0.02166**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	APMW-5	0.049	0.04	0.04	No	18	0.04733	0.009738	0	None	No	0.01	NP (normality)
Lithium (mg/L)	APMW-5D	0.00914	0.006938	0.04	No	8	0.008039	0.001039	0	None	No	0.01	Param.
Lithium (mg/L)	APMW-6D	0.009579	0.00574	0.04	No	8	0.007633	0.001895	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	**APMW-6R**	**0.05772**	**0.05289**	**0.04**	**Yes**	**18**	**0.05531**	**0.003997**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	APMW-7	0.004279	0.002714	0.04	No	17	0.0041	0.001501	17.65	Kaplan-Meier	No	0.01	Param.
Lithium (mg/L)	**APMW-8**	**0.095**	**0.071**	**0.04**	**Yes**	**18**	**0.08692**	**0.02351**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Lithium (mg/L)	APMW-8D	0.005537	0.002363	0.04	No	8	0.004387	0.001526	25	Kaplan-Meier	No	0.01	Param.
Lithium (mg/L)	APMW-9	0.005064	0.003254	0.04	No	17	0.004629	0.001534	17.65	Kaplan-Meier	sqrt(x)	0.01	Param.
Mercury (mg/L)	APMW-10	0.0002	0.000085	0.002	No	16	0.0001928	0.00002875	93.75	None	No	0.01	NP (NDs)
Mercury (mg/L)	APMW-1R	0.0002	0.00015	0.002	No	16	0.0001969	0.0000125	93.75	None	No	0.01	NP (NDs)
Mercury (mg/L)	APMW-5	0.0002	0.000093	0.002	No	16	0.0001933	0.00002675	93.75	None	No	0.01	NP (NDs)
Mercury (mg/L)	APMW-7	0.0002	0.00009	0.002	No	16	0.0001931	0.0000275	93.75	None	No	0.01	NP (NDs)
Mercury (mg/L)	APMW-8	0.0002	0.000077	0.002	No	16	0.0001923	0.00003075	93.75	None	No	0.01	NP (NDs)
Mercury (mg/L)	APMW-9	0.00035	0.0002	0.002	No	16	0.0002094	0.0000375	93.75	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	APMW-10	0.11	0.037	0.1	No	18	0.07633	0.03105	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	APMW-10D	0.01285	0.003408	0.1	No	8	0.00813	0.004455	12.5	None	No	0.01	Param.
Molybdenum (mg/L)	APMW-2	0.015	0.00079	0.1	No	18	0.01421	0.003349	94.44	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	APMW-2D	0.00558	0.0011	0.1	No	8	0.002173	0.001645	0	None	No	0.004	NP (normality)
Molybdenum (mg/L)	APMW-3	0.07052	0.06131	0.1	No	18	0.06592	0.007609	0	None	No	0.01	Param.
Molybdenum (mg/L)	APMW-3D	0.015	0.0007	0.1	No	8	0.004565	0.006459	25	None	No	0.004	NP (normality)
Molybdenum (mg/L)	APMW-4	0.009331	0.006269	0.1	No	18	0.0078	0.00253	0	None	No	0.01	Param.
Molybdenum (mg/L)	**APMW-4D**	**0.3293**	**0.1749**	**0.1**	**Yes**	**8**	**0.2521**	**0.07281**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	APMW-5	0.1089	0.06691	0.1	No	18	0.08989	0.03714	0	None	sqrt(x)	0.01	Param.
Molybdenum (mg/L)	APMW-5D	0.0075	0.00078	0.1	No	8	0.00183	0.002302	12.5	None	No	0.004	NP (normality)
Molybdenum (mg/L)	APMW-6D	0.003505	0.0007886	0.1	No	8	0.002186	0.002206	12.5	None	ln(x)	0.01	Param.
Molybdenum (mg/L)	**APMW-6R**	**0.4912**	**0.3866**	**0.1**	**Yes**	**18**	**0.4389**	**0.08643**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	APMW-7	0.015	0.0062	0.1	No	18	0.01094	0.005457	61.11	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	APMW-8	0.1408	0.08045	0.1	No	18	0.1106	0.04985	0	None	No	0.01	Param.
Molybdenum (mg/L)	APMW-8D	0.015	0.00067	0.1	No	8	0.006241	0.007255	37.5	None	No	0.004	NP (normality)
Molybdenum (mg/L)	APMW-9	0.015	0.00093	0.1	No	18	0.01343	0.004555	88.89	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-10	0.005	0.00061	0.05	No	18	0.004239	0.001752	83.33	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-2	0.005	0.00072	0.05	No	18	0.004261	0.001701	83.33	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-3	0.005	0.0011	0.05	No	18	0.003365	0.001897	55.56	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-3D	0.005	0.0012	0.05	No	8	0.004525	0.001344	87.5	None	No	0.004	NP (NDs)
Selenium (mg/L)	APMW-4	0.005	0.00068	0.05	No	18	0.004255	0.001715	83.33	None	No	0.01	NP (NDs)

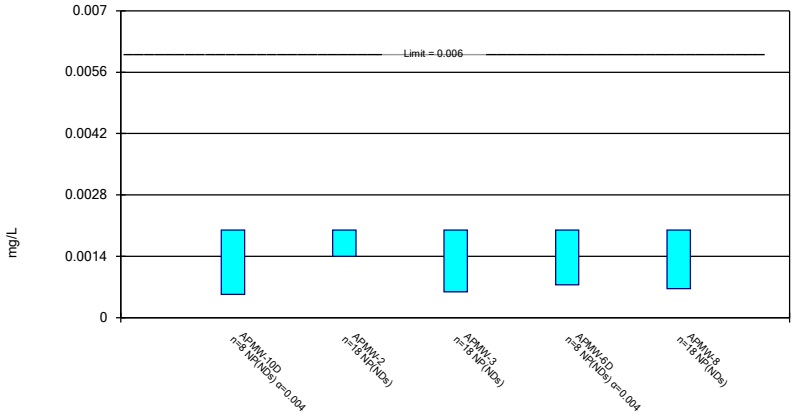
Confidence Interval Summary Table - All Results

Plant Watson Data: Plant Watson AP CCR Printed 12/6/2023, 11:12 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Selenium (mg/L)	APMW-5	0.005	0.0016	0.05	No	18	0.004084	0.001775	77.78	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-7	0.005	0.00046	0.05	No	18	0.004234	0.001763	83.33	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-8	0.005	0.00076	0.05	No	18	0.004015	0.001897	77.78	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-9	0.005	0.0012	0.05	No	18	0.004038	0.00186	77.78	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-10	0.001	0.00068	0.002	No	18	0.0009117	0.000225	83.33	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-10D	0.001	0.00057	0.002	No	8	0.0009463	0.000152	87.5	None	No	0.004	NP (NDs)
Thallium (mg/L)	APMW-1R	0.001	0.00019	0.002	No	18	0.000955	0.0001909	94.44	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-2	0.001	0.00084	0.002	No	18	0.0009911	0.00003771	94.44	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-3	0.001	0.00012	0.002	No	18	0.0009511	0.0002074	94.44	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-8	0.0013	0.00025	0.002	No	18	0.0009289	0.0002712	83.33	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-9	0.0016	0.00024	0.002	No	18	0.0009911	0.0002347	88.89	None	No	0.01	NP (NDs)

Non-Parametric Confidence Interval

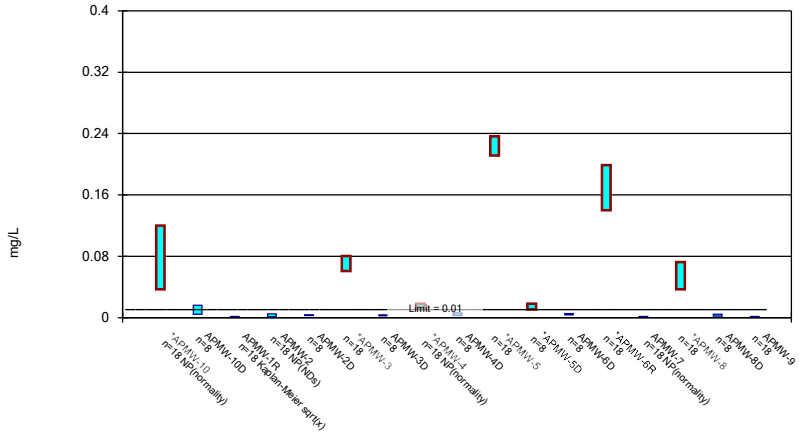
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Antimony Analysis Run 12/6/2023 11:10 AM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

Parametric and Non-Parametric (NP) Confidence Interval

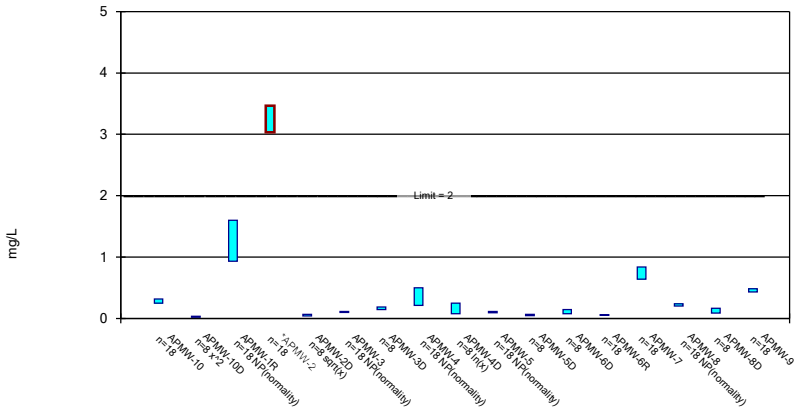
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 12/6/2023 11:10 AM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

Parametric and Non-Parametric (NP) Confidence Interval

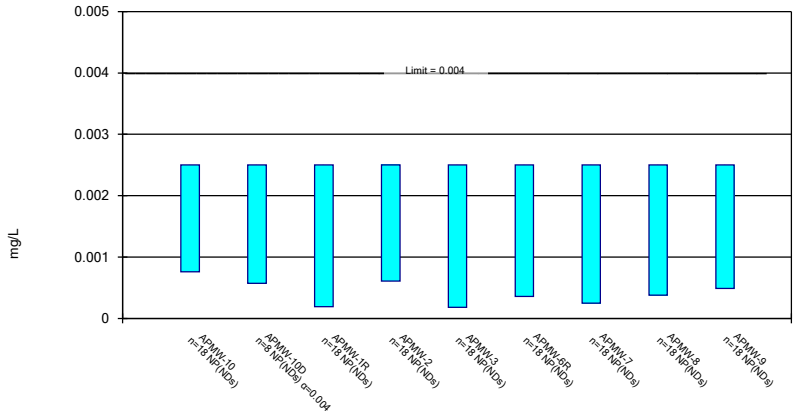
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 12/6/2023 11:10 AM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

Non-Parametric Confidence Interval

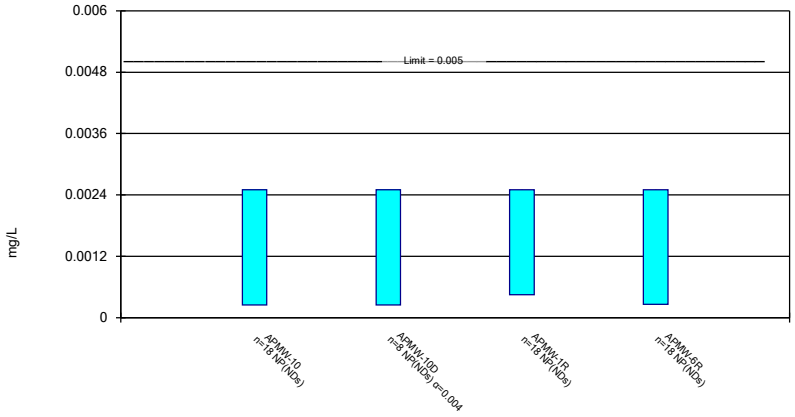
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Beryllium Analysis Run 12/6/2023 11:10 AM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

Non-Parametric Confidence Interval

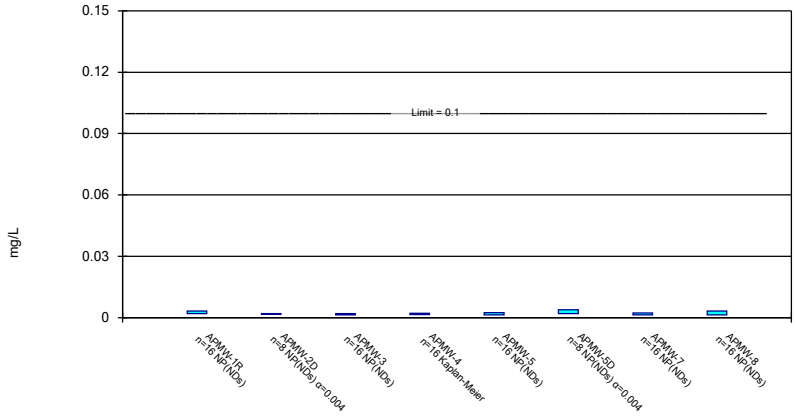
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Cadmium Analysis Run 12/6/2023 11:10 AM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

Parametric and Non-Parametric (NP) Confidence Interval

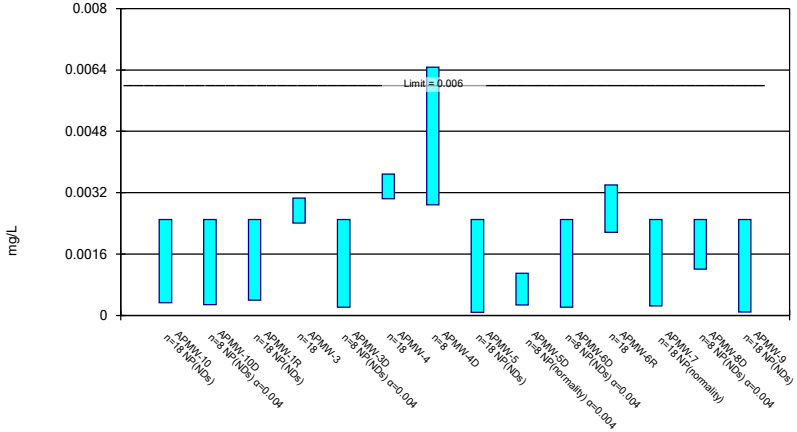
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Chromium Analysis Run 12/6/2023 11:10 AM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

Parametric and Non-Parametric (NP) Confidence Interval

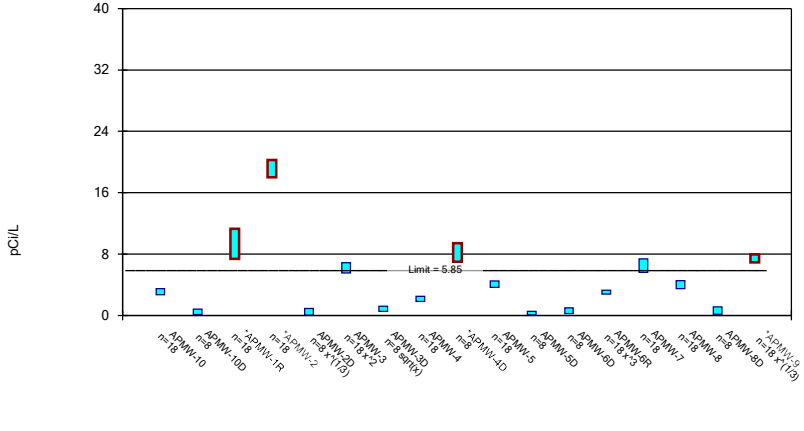
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 12/6/2023 11:10 AM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

Parametric Confidence Interval

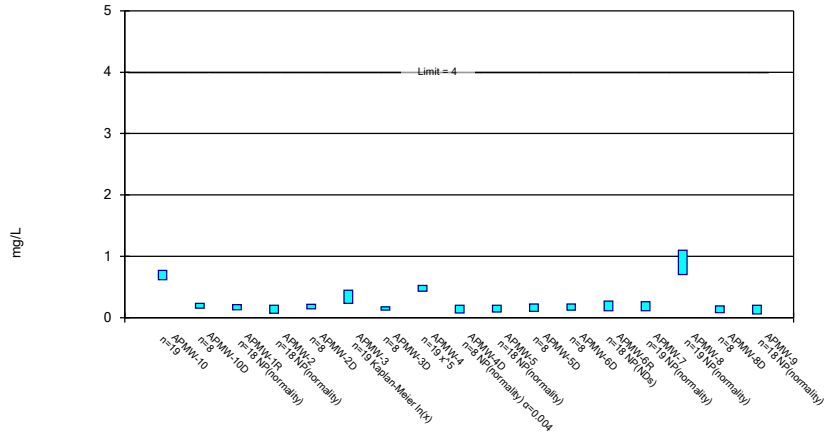
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 12/6/2023 11:10 AM View: Appendix IV - Confide
Plant Watson Data: Plant Watson AP CCR

Parametric and Non-Parametric (NP) Confidence Interval

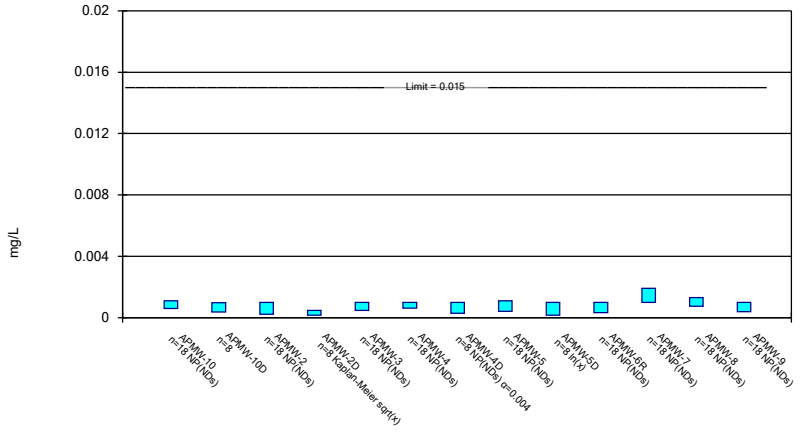
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 12/6/2023 11:11 AM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

Parametric and Non-Parametric (NP) Confidence Interval

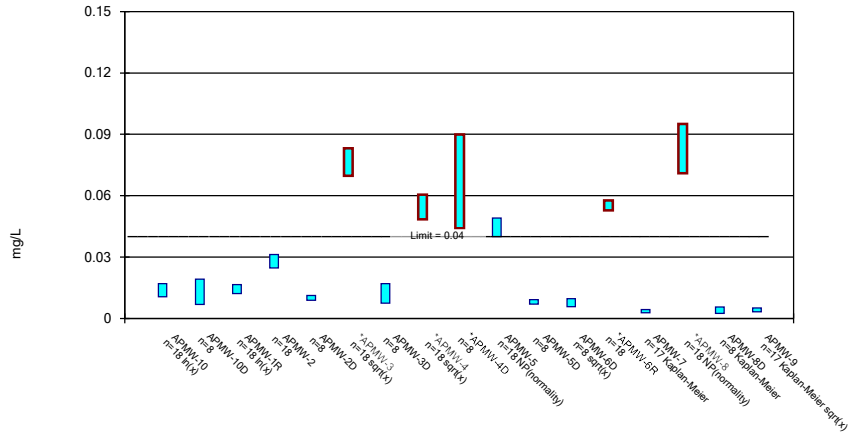
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lead Analysis Run 12/6/2023 11:11 AM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

Parametric and Non-Parametric (NP) Confidence Interval

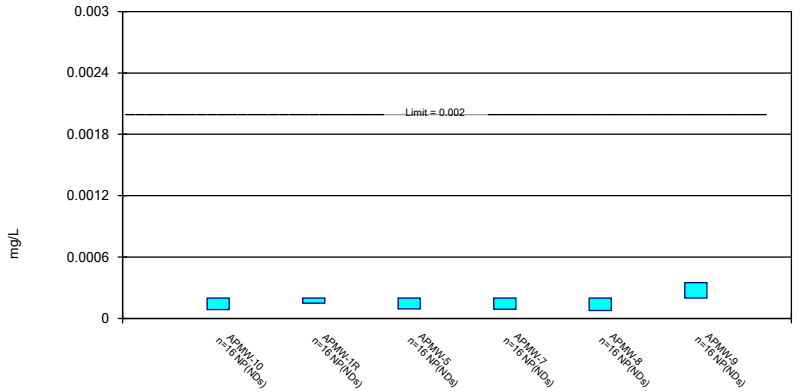
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 12/6/2023 11:11 AM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

Non-Parametric Confidence Interval

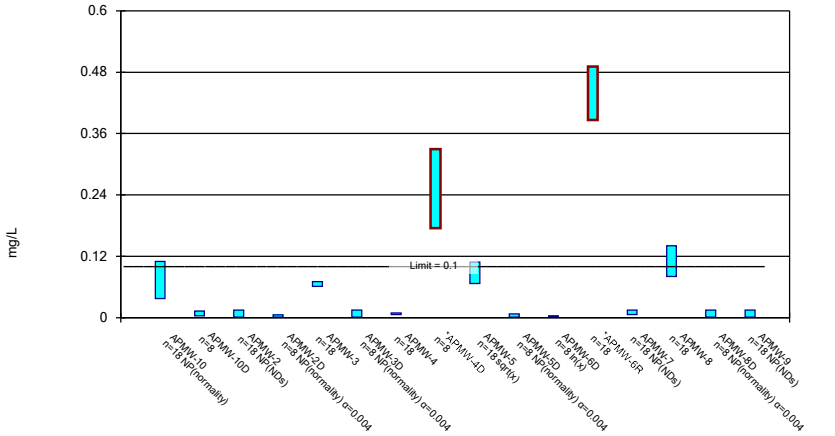
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Mercury Analysis Run 12/6/2023 11:11 AM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 12/6/2023 11:11 AM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

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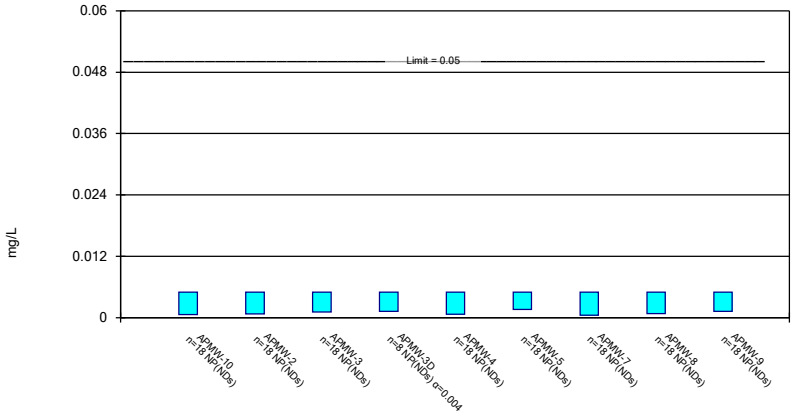
Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Selenium Analysis Run 12/6/2023 11:11 AM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

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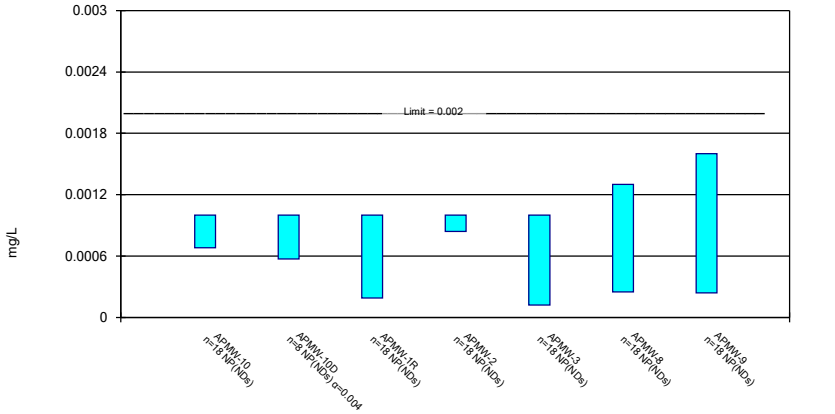
Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Thallium Analysis Run 12/6/2023 11:11 AM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 12/6/2023 11:12 AM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

	APMW-10D	APMW-2	APMW-3	APMW-6D	APMW-8
4/24/2018		<0.002	<0.002		
4/25/2018					<0.002
6/14/2018		<0.002	<0.002		<0.002
7/23/2018					<0.002
7/24/2018		<0.002	<0.002		
9/1/2018		<0.002	<0.002		
9/6/2018					<0.002
10/1/2018		<0.002	<0.002		
10/2/2018					<0.002
11/1/2018					<0.002
11/2/2018		<0.002	<0.002		
12/6/2018					<0.002
12/7/2018		<0.002	<0.002		
2/13/2019		<0.002	<0.002		<0.002
8/8/2019		0.0014 (J)	<0.002		
8/9/2019					<0.002
8/30/2019		<0.002	<0.002		<0.002
3/16/2020		<0.002	<0.002		
3/17/2020					<0.002
7/13/2020	<0.002				
7/14/2020				<0.002	
11/5/2020		<0.002	<0.002		
11/9/2020					<0.002
11/10/2020				<0.002	
11/20/2020	<0.002				
3/8/2021	<0.002	<0.002			
3/9/2021			<0.002		<0.002
3/10/2021				<0.002	
10/12/2021	<0.002	<0.002			
10/14/2021				<0.002	
10/21/2021			<0.002		<0.002
4/5/2022	<0.002	<0.002	<0.002		
4/6/2022					0.00066 (J)
4/7/2022				0.00075 (J)	
10/17/2022		<0.002			
10/18/2022	0.00053 (J)		0.00059 (J)		<0.002
10/19/2022				<0.002	
3/8/2023		<0.002	<0.002		
3/9/2023				<0.002	<0.002
3/13/2023	<0.002				
10/19/2023		<0.002	<0.002		
10/20/2023				<0.002	<0.002
10/21/2023	<0.002				
Mean	0.001816	0.001967	0.001922	0.001844	0.001926
Std. Dev.	0.0005197	0.0001414	0.0003323	0.0004419	0.0003158
Upper Lim.	0.002	0.002	0.002	0.002	0.002
Lower Lim.	0.00053	0.0014	0.00059	0.00075	0.00066

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 12/6/2023 11:12 AM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D
4/24/2018				0.00077 (J)		0.084		0.019	
4/25/2018	0.13								
6/13/2018	0.11								
6/14/2018				<0.005		0.081		0.018	
7/23/2018	0.13								
7/24/2018				<0.005		0.093		0.018	
9/1/2018	0.12			<0.005		0.099		0.017	
9/6/2018									
10/1/2018				0.00094 (J)		0.077		0.017	
10/2/2018	0.11								
11/1/2018	0.11								
11/2/2018				0.0012 (J)		0.067		0.018	
12/6/2018	0.12							0.018	
12/7/2018				<0.005		0.063			
2/13/2019	0.098			<0.005		0.065		0.019	
3/16/2019			0.0021						
3/27/2019			0.0019						
4/3/2019			0.0019						
4/5/2019									
4/15/2019			0.0025						
5/2/2019			0.0019						
5/14/2019			0.0027						
5/28/2019			<0.005						
5/29/2019									
6/12/2019			0.0023						
6/19/2019									
6/25/2019									
8/8/2019	0.11		0.0012	0.00035 (J)		0.074			
8/9/2019								0.018	
8/30/2019	0.079		0.0011	<0.005		0.07		0.016	
3/16/2020			0.00085 (J)	<0.005		0.071		0.017	
3/17/2020	0.093								
7/11/2020					0.00374				
7/13/2020		0.0116					0.002		
7/14/2020									0.00773
7/30/2020									
11/4/2020			0.00069 (J)						
11/5/2020				<0.005	0.0033	0.064			
11/9/2020							0.0033	0.018	0.0043
11/10/2020									
11/20/2020	0.072	0.019							
3/8/2021	0.047	0.01	0.0005 (J)	<0.005	0.0032				
3/9/2021						0.042	0.0035	0.016	0.0059
3/10/2021									
10/11/2021							0.0037		
10/12/2021	0.028	0.011	<0.005	<0.005	0.0027				
10/14/2021								0.012	0.0046
10/20/2021									
10/21/2021						0.0445 (D)			
4/4/2022			0.0004 (J)						
4/5/2022	0.039	0.016		<0.005	0.0029	0.047	0.0028		0.0044
4/6/2022								0.011	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 12/6/2023 11:12 AM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D
4/7/2022									
10/17/2022			0.00031 (J)	<0.005					
10/18/2022	0.037	0.0054			0.0028	0.061	0.0037		0.0028
10/19/2022								0.0073	
3/8/2023			0.0004 (J)	<0.005	0.0032	0.072	0.0027	0.0075	0.0031
3/9/2023									
3/13/2023	0.032	<0.005							
10/19/2023			<0.005	<0.005	0.0032 (J)	0.096	0.0033 (J)	0.0076 (J)	0.0039 (J)
10/20/2023									
10/21/2023	0.037	0.007 (J)							
Mean	0.08344	0.01031	0.001986	0.00407	0.00313	0.07058	0.003125	0.01524	0.004591
Std. Dev.	0.03728	0.005427	0.001583	0.001797	0.00033	0.01643	0.0005874	0.00416	0.001585
Upper Lim.	0.12	0.01607	0.001597	0.005	0.00348	0.08053	0.003748	0.018	0.006272
Lower Lim.	0.037	0.00456	0.0006457	0.0012	0.00278	0.06064	0.002502	0.011	0.002911

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 12/6/2023 11:12 AM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-5	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/24/2018								
4/25/2018	0.24				0.0021	0.097		0.0016
6/13/2018								0.001 (J)
6/14/2018	0.22				0.0015	0.089		
7/23/2018						0.094		0.0011 (J)
7/24/2018	0.23				0.0015			
9/1/2018	0.22							
9/6/2018					0.0013	0.082		0.0011 (J)
10/1/2018								
10/2/2018	0.21				0.0014	0.075		0.0015
11/1/2018						0.081		0.0014
11/2/2018	0.26				0.0028			
12/6/2018	0.23				0.0033	0.079		0.0016
12/7/2018								
2/13/2019	0.23				0.0012 (J)	0.077		0.0013
3/16/2019								
3/27/2019								
4/3/2019								
4/5/2019				0.13 (D)				
4/15/2019				0.13				
5/2/2019				0.089				
5/14/2019				0.13				
5/28/2019								
5/29/2019				0.12				
6/12/2019				0.13				
6/19/2019				0.16				
6/25/2019				0.13				
8/8/2019								0.0012
8/9/2019	0.24			0.16	0.00053 (J)	0.052		
8/30/2019	0.2			0.17	0.00044 (J)	0.05		0.0011
3/16/2020								
3/17/2020	0.21			0.18	0.00053 (J)	0.043		0.001
7/11/2020								
7/13/2020							0.000995 (J)	
7/14/2020			0.00412					
7/30/2020		0.00958						
11/4/2020								
11/5/2020								
11/9/2020	0.26	0.012				0.036		
11/10/2020			0.0041		0.00058 (J)		0.0034	
11/20/2020				0.18				0.0012
3/8/2021								0.0015
3/9/2021	0.21	0.013		0.21	0.00045 (J)	0.035	0.0045	
3/10/2021			0.0045					
10/11/2021		0.013						
10/12/2021	0.21				0.00044 (J)		0.0044	0.0013
10/14/2021			0.0055					
10/20/2021				0.2 (D)				
10/21/2021						0.026 (D)		
4/4/2022								
4/5/2022								
4/6/2022	0.21	0.016			0.00048 (J)	0.023	0.0028	0.0013

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 12/6/2023 11:12 AM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

	APMW-5	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/7/2022			0.0052	0.21				
10/17/2022								
10/18/2022					0.00066 (J)	0.02	0.0027	0.0014
10/19/2022	0.18	0.014	0.0031	0.21				
3/8/2023								
3/9/2023	0.22	0.016	0.0041	0.22	0.00051 (J)	0.011	0.0021	
3/13/2023								0.0014
10/19/2023								
10/20/2023	0.25	0.022	0.0055 (J)	0.29	0.00098 (J)	0.016	0.0028 (J)	0.0012 (J)
10/21/2023								
Mean	0.2239	0.01445	0.004515	0.1694	0.00115	0.05478	0.002962	0.001289
Std. Dev.	0.0209	0.003702	0.0008377	0.04854	0.0008506	0.0295	0.001156	0.0001906
Upper Lim.	0.2365	0.01837	0.005403	0.1988	0.0015	0.07262	0.004187	0.001404
Lower Lim.	0.2112	0.01052	0.003627	0.14	0.00048	0.03693	0.001736	0.001174

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 12/6/2023 11:12 AM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D
4/24/2018				2.8		0.097		0.46	
4/25/2018	0.26								
6/13/2018	0.3								
6/14/2018				3.1		0.11		0.5	
7/23/2018	0.24								
7/24/2018				3		0.1		0.54	
9/1/2018	0.25			2.9		0.12		0.53	
9/6/2018									
10/1/2018				4		0.1		0.5	
10/2/2018	0.23								
11/1/2018	0.23								
11/2/2018				3.1		0.1		0.5	
12/6/2018	0.24							0.43	
12/7/2018				3.3		0.11			
2/13/2019	0.26			2.9		0.1		0.45	
3/16/2019			0.89						
3/27/2019			1.1						
4/3/2019			1.1						
4/5/2019									
4/15/2019			0.98						
5/2/2019			0.94						
5/14/2019			1						
5/28/2019			1						
5/29/2019									
6/12/2019			0.91						
6/19/2019									
6/25/2019									
8/8/2019	0.24		0.93	3.2		0.1			
8/9/2019								0.33	
8/30/2019	0.2		0.91	2.7		0.1		0.29	
3/16/2020			1.2	3.2		0.1		0.27	
3/17/2020	0.25								
7/11/2020					0.0418				
7/13/2020		0.0358					0.135		
7/14/2020									0.342
7/30/2020									
11/4/2020			1.4						
11/5/2020				3.2	0.038	0.1			
11/9/2020							0.14	0.23	0.24
11/10/2020									
11/20/2020	0.27	0.032							
3/8/2021	0.32	0.026	1.3	3.3	0.037				
3/9/2021						0.1	0.16	0.22	0.21
3/10/2021									
10/11/2021							0.18		
10/12/2021	0.34	0.027	1.5	3.3	0.04				
10/14/2021								0.21	0.13
10/20/2021									
10/21/2021						0.095			
4/4/2022			1.6						
4/5/2022	0.37	0.027		3.6	0.049	0.098	0.18		0.097
4/6/2022								0.17	

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 12/6/2023 11:12 AM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D
4/7/2022									
10/17/2022			1.7	3.4					
10/18/2022	0.37	0.027			0.067	0.096	0.19		0.088
10/19/2022								0.23	
3/8/2023			1.8	3.6	0.06	0.11	0.16	0.17	0.083
3/9/2023									
3/13/2023	0.38	<0.01							
10/19/2023			1.9	3.9	0.068	0.071	0.18	0.16	0.088
10/20/2023									
10/21/2023	0.32	0.026							
Mean	0.2817	0.02572	1.231	3.25	0.0501	0.1004	0.1656	0.3439	0.1598
Std. Dev.	0.05544	0.009067	0.3374	0.3536	0.01306	0.009678	0.02026	0.1415	0.09501
Upper Lim.	0.3152	0.03335	1.6	3.464	0.06385	0.11	0.1871	0.5	0.2484
Lower Lim.	0.2481	0.01884	0.93	3.036	0.03676	0.097	0.1442	0.21	0.07784

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 12/6/2023 11:12 AM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-5	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/24/2018								
4/25/2018	0.093				0.66	0.2		0.42
6/13/2018								0.45
6/14/2018	0.11				0.74	0.22		
7/23/2018						0.2		0.42
7/24/2018	0.093				0.72			
9/1/2018	0.1							
9/6/2018					0.79	0.22		0.45
10/1/2018								
10/2/2018	0.1				0.93	0.21		0.43
11/1/2018						0.21		0.43
11/2/2018	0.12				1.1			
12/6/2018	0.1				0.7	0.22		0.44
12/7/2018								
2/13/2019	0.1				0.59	0.23		0.44
3/16/2019								
3/27/2019								
4/3/2019								
4/5/2019				0.071 (D)				
4/15/2019				0.067				
5/2/2019				0.071				
5/14/2019				0.068				
5/28/2019								
5/29/2019				0.067 (J)				
6/12/2019				0.064 (J)				
6/19/2019				0.059 (J)				
6/25/2019				0.057 (J)				
8/8/2019								0.42
8/9/2019	0.11			0.058	0.76	0.2		
8/30/2019	0.086			0.052	0.56	0.2		0.42
3/16/2020								
3/17/2020	0.1			0.05	0.53	0.21		0.49
7/11/2020								
7/13/2020							0.192	
7/14/2020			0.107					
7/30/2020		0.0659						
11/4/2020								
11/5/2020								
11/9/2020	0.1	0.069				0.23		
11/10/2020			0.077		0.77		0.12	
11/20/2020				0.048				0.48
3/8/2021								0.47
3/9/2021	0.1	0.059		0.055	0.53	0.22	0.15	
3/10/2021			0.087					
10/11/2021		0.052						
10/12/2021	0.1				0.97		0.14	0.49
10/14/2021			0.1					
10/20/2021				0.048				
10/21/2021						0.23		
4/4/2022								
4/5/2022								
4/6/2022	0.11	0.053			0.61	0.24	0.12	0.52

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 12/6/2023 11:12 AM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

	APMW-5	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/7/2022			0.13	0.043 (J)				
10/17/2022								
10/18/2022					0.97	0.24	0.1	0.5
10/19/2022	0.1	0.053	0.073	0.044				
3/8/2023								
3/9/2023	0.11	0.043	0.15	0.046	0.65	0.3	0.1	
3/13/2023								0.55
10/19/2023								
10/20/2023	0.11	0.044	0.16	0.048	0.7	0.3	0.082	0.4
10/21/2023								
Mean	0.1023	0.05486	0.1105	0.05644	0.7378	0.2267	0.1255	0.4567
Std. Dev.	0.008029	0.009355	0.03294	0.009605	0.1633	0.0297	0.03482	0.04073
Upper Lim.	0.11	0.06478	0.1454	0.06226	0.8366	0.24	0.1624	0.4813
Lower Lim.	0.093	0.04495	0.07559	0.05063	0.639	0.2	0.0886	0.432

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 12/6/2023 11:12 AM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-3	APMW-6R	APMW-7	APMW-8	APMW-9
4/24/2018				<0.0025	<0.0025				
4/25/2018	<0.0025						<0.0025	<0.0025	<0.0025
6/13/2018	<0.0025								<0.0025
6/14/2018				<0.0025	<0.0025		<0.0025	<0.0025	
7/23/2018	<0.0025							<0.0025	<0.0025
7/24/2018				<0.0025	<0.0025		<0.0025		
9/1/2018	<0.0025			<0.0025	<0.0025				
9/6/2018							<0.0025	<0.0025	<0.0025
10/1/2018				<0.0025	<0.0025				
10/2/2018	<0.0025						<0.0025	<0.0025	<0.0025
11/1/2018	<0.0025							<0.0025	<0.0025
11/2/2018				<0.0025	<0.0025		<0.0025		
12/6/2018	<0.0025						<0.0025	<0.0025	<0.0025
12/7/2018				<0.0025	<0.0025				
2/13/2019	<0.0025			<0.0025	<0.0025		<0.0025	<0.0025	<0.0025
3/16/2019			<0.0025						
3/27/2019			<0.0025						
4/3/2019			<0.0025						
4/5/2019						<0.0025 (D)			
4/15/2019			<0.0025			<0.0025			
5/2/2019			<0.0025			<0.0025			
5/14/2019			<0.0025			<0.0025			
5/28/2019			<0.0025						
5/29/2019						<0.0025			
6/12/2019			<0.0025			<0.0025			
6/19/2019						<0.0025			
6/25/2019						<0.0025			
8/8/2019	<0.0025		<0.0025	0.00061 (J)	<0.0025				<0.0025
8/9/2019						<0.0025	<0.0025	<0.0025	
8/30/2019	0.00043 (J)		0.00019 (J)	0.00023 (J)	0.00018 (J)	0.00036 (J)	0.00025 (J)	0.00038 (J)	0.00049 (J)
3/16/2020			<0.0025	<0.0025	<0.0025				
3/17/2020	<0.0025					<0.0025	<0.0025	<0.0025	<0.0025
7/13/2020		<0.0025							
11/4/2020			<0.0025						
11/5/2020				<0.0025	<0.0025				
11/9/2020								<0.0025	
11/10/2020							<0.0025		
11/20/2020	<0.0025	<0.0025				<0.0025			<0.0025
3/8/2021	0.00076 (J)	0.00057 (J)	<0.0025	0.00018 (J)					0.00024 (J)
3/9/2021					<0.0025	<0.0025	<0.0025	<0.0025	
10/12/2021	<0.0025	<0.0025	<0.0025	<0.0025			<0.0025		<0.0025
10/20/2021						<0.0025			
10/21/2021					<0.0025			<0.0025	
4/4/2022			<0.0025						
4/5/2022	<0.0025	<0.0025		<0.0025	<0.0025				
4/6/2022							<0.0025	<0.0025	<0.0025
4/7/2022						<0.0025			
10/17/2022			<0.0025	<0.0025					
10/18/2022	<0.0025	<0.0025			<0.0025		<0.0025	<0.0025	<0.0025
10/19/2022						<0.0025			
3/8/2023			<0.0025	<0.0025	<0.0025				
3/9/2023						<0.0025	<0.0025	0.0003 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 12/6/2023 11:12 AM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-3	APMW-6R	APMW-7	APMW-8	APMW-9
3/13/2023	<0.0025	<0.0025							0.00027 (J)
10/19/2023			<0.0025	0.0003 (J)	<0.0025				
10/20/2023						<0.0025	<0.0025	<0.0025	<0.0025
10/21/2023	<0.0025	<0.0025							
Mean	0.002288	0.002259	0.002372	0.002018	0.002371	0.002381	0.002375	0.00226	0.002139
Std. Dev.	0.0006186	0.0006824	0.0005445	0.0009318	0.0005468	0.0005044	0.0005303	0.0006986	0.0008322
Upper Lim.	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
Lower Lim.	0.00076	0.00057	0.00019	0.00061	0.00018	0.00036	0.00025	0.00038	0.00049

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 12/6/2023 11:12 AM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-6R
4/25/2018	<0.0025			
6/13/2018	<0.0025			
7/23/2018	<0.0025			
9/1/2018	<0.0025			
10/2/2018	<0.0025			
11/1/2018	<0.0025			
12/6/2018	<0.0025			
2/13/2019	<0.0025			
3/16/2019			<0.0025	
3/27/2019			<0.0025	
4/3/2019			<0.0025	
4/5/2019				<0.0025 (D)
4/15/2019			0.00045 (J)	<0.0025
5/2/2019			<0.0025	<0.0025
5/14/2019			<0.0025	<0.0025
5/28/2019			<0.0025	
5/29/2019				<0.0025
6/12/2019			<0.0025	<0.0025
6/19/2019				<0.0025
6/25/2019				<0.0025
8/8/2019	<0.0025		<0.0025	
8/9/2019				0.00014 (J)
8/30/2019	<0.0025		<0.0025	0.00026 (J)
3/16/2020			<0.0025	
3/17/2020	<0.0025			<0.0025
7/13/2020		<0.0025		
11/4/2020			<0.0025	
11/20/2020	<0.0025	<0.0025		<0.0025
3/8/2021	0.00025 (J)	0.00025 (J)	<0.0025	
3/9/2021				<0.0025
10/12/2021	<0.0025	<0.0025	<0.0025	
10/20/2021				<0.0025
4/4/2022			<0.0025	
4/5/2022	<0.0025	<0.0025		
4/7/2022				<0.0025
10/17/2022			<0.0025	
10/18/2022	<0.0025	<0.0025		
10/19/2022				<0.0025
3/8/2023			<0.0025	
3/9/2023				<0.0025
3/13/2023	<0.0025	<0.0025		
10/19/2023			<0.0025	
10/20/2023				<0.0025
10/21/2023	<0.0025	<0.0025		
Mean	0.002375	0.002219	0.002386	0.002244
Std. Dev.	0.0005303	0.0007955	0.0004832	0.0007441
Upper Lim.	0.0025	0.0025	0.0025	0.0025
Lower Lim.	0.00025	0.00025	0.00045	0.00026

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 12/6/2023 11:12 AM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

	APMW-1R	APMW-2D	APMW-3	APMW-4	APMW-5	APMW-5D	APMW-7	APMW-8
4/24/2018			<0.002	0.0016 (J)				
4/25/2018					0.0013 (J)		0.0014 (J)	<0.002
6/14/2018			<0.002	0.002 (J)	0.0012 (J)		0.0014 (J)	0.0032
7/23/2018								<0.002
7/24/2018			<0.002	0.0022 (J)	<0.002		0.0014 (J)	
9/1/2018			0.0014 (J)	0.0025	0.0024 (J)			
9/6/2018							0.0017 (J)	0.0014 (J)
10/1/2018			<0.002	0.0028				
10/2/2018					0.0015 (J)		0.0013 (J)	<0.002
11/1/2018								<0.002
11/2/2018			<0.002	0.0026	0.0014 (J)		0.0014 (J)	
12/6/2018				0.0012 (J)	<0.002		<0.002	<0.002
12/7/2018			<0.002					
2/13/2019			<0.002	0.0013 (J)	<0.002		<0.002	<0.002
3/16/2019	<0.002							
3/27/2019	<0.002							
4/3/2019	<0.002							
4/15/2019	<0.002							
5/2/2019	<0.002							
5/14/2019	<0.002							
5/28/2019	<0.002							
6/12/2019	0.0032							
8/8/2019	<0.002		<0.002					
8/9/2019				<0.002	<0.002		<0.002	<0.002
7/11/2020		0.00157 (J)						
7/30/2020						0.00378		
11/4/2020	<0.002							
11/5/2020		<0.002	<0.002					
11/9/2020				<0.002	<0.002	0.0019 (J)		<0.002
11/10/2020							<0.002	
3/8/2021	<0.002	<0.002						
3/9/2021			<0.002	<0.002	<0.002	<0.002	0.0022	<0.002
10/11/2021						<0.002		
10/12/2021	<0.002	<0.002			<0.002		<0.002	
10/14/2021				<0.002				
10/21/2021			<0.002					<0.002
4/4/2022	<0.002							
4/5/2022		<0.002	<0.002					
4/6/2022				<0.002	<0.002	<0.002	<0.002	<0.002
10/17/2022	<0.002							
10/18/2022		<0.002	<0.002				<0.002	<0.002
10/19/2022				0.0021	<0.002	<0.002		
3/8/2023	<0.002	<0.002	<0.002	<0.002				
3/9/2023					<0.002	<0.002	<0.002	<0.002
10/19/2023	<0.002	<0.002	<0.002	0.0017 (J)				
10/20/2023					0.0012 (J)	<0.002	<0.002	<0.002
Mean	0.002075	0.001946	0.001963	0.002	0.001813	0.00221	0.0018	0.002038
Std. Dev.	0.0003	0.000152	0.00015	0.0004227	0.0003631	0.0006353	0.0003077	0.0003442
Upper Lim.	0.0032	0.002	0.002	0.002156	0.0024	0.00378	0.0022	0.0032
Lower Lim.	0.002	0.00157	0.0014	0.001514	0.0013	0.0019	0.0014	0.0014

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 12/6/2023 11:12 AM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-3	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D
4/24/2018				0.0026		0.0033			
4/25/2018	<0.0025							<0.0025	
6/13/2018	<0.0025								
6/14/2018				0.0023 (J)		0.0032		<0.0025	
7/23/2018	<0.0025								
7/24/2018				0.0026		0.0036		<0.0025	
9/1/2018	<0.0025			0.0023 (J)		0.0039		<0.0025	
9/6/2018									
10/1/2018				0.0028		0.0029			
10/2/2018	<0.0025							<0.0025	
11/1/2018	<0.0025								
11/2/2018				0.0027		0.0034		<0.0025	
12/6/2018	<0.0025					0.0032		<0.0025	
12/7/2018				0.0028					
2/13/2019	<0.0025			0.0028		0.0043		<0.0025	
3/16/2019			0.00057 (J)						
3/27/2019			0.00044 (J)						
4/3/2019			0.0004 (J)						
4/5/2019									
4/15/2019			0.00042 (J)						
5/2/2019			<0.0025						
5/14/2019			0.00044 (J)						
5/28/2019			<0.0025						
5/29/2019									
6/12/2019			0.00037 (J)						
6/19/2019									
6/25/2019									
8/8/2019	0.00012 (J)		0.00017 (J)	0.0019					
8/9/2019						0.0034		7.5E-05 (J)	
8/30/2019	8.2E-05 (J)		0.00017 (J)	0.0025		0.0034		7.9E-05 (J)	
3/16/2020			<0.0025	0.0022		0.0039			
3/17/2020	<0.0025							<0.0025	
7/13/2020		<0.0025			<0.0025				
7/14/2020							0.00381		
7/30/2020									0.0011 (J)
11/4/2020			<0.0025						
11/5/2020				0.003					
11/9/2020					0.00021 (J)	0.0037	0.0031	<0.0025	0.00071 (J)
11/10/2020									
11/20/2020	<0.0025	<0.0025							
3/8/2021	0.00033 (J)	0.00028 (J)	<0.0025						
3/9/2021				0.0034	<0.0025	0.0041	0.0023 (J)	<0.0025	0.00041 (J)
3/10/2021									
10/11/2021					<0.0025				0.0003 (J)
10/12/2021	<0.0025	<0.0025	<0.0025					<0.0025	
10/14/2021						0.0032	0.0037		
10/20/2021									
10/21/2021				0.004					
4/4/2022			<0.0025						
4/5/2022	<0.0025	<0.0025		0.0037	<0.0025		0.0055		
4/6/2022						0.0034		<0.0025	0.00033 (J)
4/7/2022									

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 12/6/2023 11:12 AM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-3	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D
10/17/2022			<0.0025						
10/18/2022	<0.0025	<0.0025		0.003	<0.0025		0.0056		
10/19/2022						0.0021 (J)		<0.0025	0.00027 (J)
3/8/2023			<0.0025	0.0023 (J)	<0.0025	0.003	0.0062		
3/9/2023								<0.0025	0.00034 (J)
3/13/2023	<0.0025	<0.0025							
10/19/2023			<0.0025	0.0023 (J)	<0.0025	0.0026 (J)	0.0072 (J)		
10/20/2023								<0.0025	0.00037 (J)
10/21/2023	<0.0025	<0.0025							
Mean	0.002113	0.002222	0.001554	0.002733	0.002214	0.003367	0.004676	0.002231	0.0004788
Std. Dev.	0.0008919	0.0007849	0.001091	0.0005402	0.0008096	0.0005303	0.001693	0.0007836	0.0002861
Upper Lim.	0.0025	0.0025	0.0025	0.00306	0.0025	0.003687	0.00647	0.0025	0.0011
Lower Lim.	0.00033	0.00028	0.0004	0.002407	0.00021	0.003046	0.002882	7.9E-05	0.00027

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 12/6/2023 11:12 AM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-6D	APMW-6R	APMW-7	APMW-8D	APMW-9
4/24/2018					
4/25/2018			<0.0025		<0.0025
6/13/2018					<0.0025
6/14/2018			<0.0025		
7/23/2018					<0.0025
7/24/2018			<0.0025		
9/1/2018					
9/6/2018			0.00043 (J)		<0.0025
10/1/2018					
10/2/2018			<0.0025		<0.0025
11/1/2018					<0.0025
11/2/2018			<0.0025		
12/6/2018			<0.0025		<0.0025
12/7/2018					
2/13/2019			<0.0025		<0.0025
3/16/2019					
3/27/2019					
4/3/2019					
4/5/2019		0.0049 (D)			
4/15/2019		0.0045			
5/2/2019		0.0012 (J)			
5/14/2019		0.0024 (J)			
5/28/2019					
5/29/2019		0.0022 (J)			
6/12/2019		0.002 (J)			
6/19/2019		0.004 (J)			
6/25/2019		0.0014 (J)			
8/8/2019					8.4E-05 (J)
8/9/2019		0.0022	0.00025 (J)		
8/30/2019		0.0039	0.00023 (J)		8.9E-05 (J)
3/16/2020					
3/17/2020		0.0029	0.00024 (J)		<0.0025
7/13/2020				0.00121 (J)	
7/14/2020	<0.0025				
7/30/2020					
11/4/2020					
11/5/2020					
11/9/2020					
11/10/2020	<0.0025		0.00024 (J)	<0.0025	
11/20/2020		0.0024 (J)			<0.0025
3/8/2021					<0.0025
3/9/2021		0.0017 (J)	0.00025 (J)	<0.0025	
3/10/2021	0.00021 (J)				
10/11/2021					
10/12/2021			0.00028 (J)	<0.0025	<0.0025
10/14/2021	<0.0025				
10/20/2021		0.0032			
10/21/2021					
4/4/2022					
4/5/2022					
4/6/2022			<0.0025	<0.0025	<0.0025
4/7/2022	<0.0025	0.0028			

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 12/6/2023 11:12 AM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-6D	APMW-6R	APMW-7	APMW-8D	APMW-9
10/17/2022					
10/18/2022			0.00033 (J)	<0.0025	<0.0025
10/19/2022	<0.0025	0.0028			
3/8/2023					
3/9/2023	<0.0025	0.0025	<0.0025	<0.0025	
3/13/2023					<0.0025
10/19/2023					
10/20/2023	<0.0025	0.0031 (J)	0.00029 (J)	<0.0025	<0.0025
10/21/2023					
Mean	0.002214	0.002783	0.001391	0.002339	0.002232
Std. Dev.	0.0008096	0.001021	0.001142	0.0004561	0.0007805
Upper Lim.	0.0025	0.003401	0.0025	0.0025	0.0025
Lower Lim.	0.00021	0.002166	0.00025	0.00121	8.9E-05

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/6/2023 11:12 AM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D
4/24/2018				21.8		5.84		2.4	
4/25/2018	2.66								
6/13/2018	2.91								
6/14/2018				20.9		6.37		2.5	
7/23/2018	3.49								
7/24/2018				19.2		7.22		3.01	
9/1/2018	3.15			17.5		5.46		2.3	
9/6/2018									
10/1/2018				19.9		8.54		3.49	
10/2/2018	3.38								
11/1/2018	2.19								
11/2/2018				17.4		6.02		1.94	
12/6/2018	2.69							2.68	
12/7/2018				18.5		6.26			
2/13/2019	2.97			19.2		6.67		2.05	
3/16/2019			5.87						
3/27/2019			6.56						
4/3/2019			7.03						
4/5/2019									
4/15/2019			6.75						
5/2/2019			6.82						
5/14/2019			6.96						
5/28/2019			4.12						
5/29/2019									
6/12/2019			8.8						
6/19/2019									
6/25/2019									
8/8/2019	2.16		7.52	18.7		6.41			
8/9/2019								2.09	
8/30/2019	2.19		7.98	16.5		5.45		1.24	
3/16/2020			10.6	18.8		6.5		1.71	
3/17/2020	2.94								
7/11/2020					0.179 (U)				
7/13/2020		0.272 (U)					0.857		
7/14/2020									9.33
7/30/2020									
11/4/2020			8.99						
11/5/2020				15.3	0.158 (U)	5.33			
11/9/2020							0.501	2	6.03
11/10/2020									
11/20/2020	3.47	-0.129 (U)							
3/8/2021	2.86	0.73	14.2	21.4	0.164 (U)				
3/9/2021						2.68	0.605	2.08	8.34
3/10/2021									
10/11/2021							1.6		
10/12/2021	3.57	0.769	12	20.6	-0.0129 (U)				
10/14/2021								2.56	8.45
10/20/2021									
10/21/2021						5.6			
4/4/2022			12.5						
4/5/2022	3.1	0.594		17.4	0.117 (U)	7.45	0.853		7.09
4/6/2022								1.71	

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/6/2023 11:12 AM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D
4/7/2022									
10/17/2022			14	19.1					
10/18/2022	4.61	0.815			1.7	6.3	1.07		8.32
10/19/2022								1.61	
3/8/2023			13.5	20.4	0.0718 (U)	5.77	0.636	1.78	9.4
3/9/2023									
3/13/2023	2.92	0.18 (U)							
10/19/2023			13.9	22.1	0.508	6.55	0.63	1.75	8.81
10/20/2023									
10/21/2023	4.21	0.491 (U)							
Mean	3.082	0.4653	9.339	19.15	0.3606	6.134	0.844	2.161	8.221
Std. Dev.	0.6493	0.3325	3.243	1.871	0.562	1.175	0.3559	0.5466	1.142
Upper Lim.	3.475	0.8177	11.3	20.28	0.8892	6.861	1.196	2.492	9.431
Lower Lim.	2.689	0.1128	7.377	18.02	0.001588	5.549	0.508	1.83	7.011

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/6/2023 11:12 AM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-5	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/24/2018								
4/25/2018	3.67				5.8	3.26		6.49
6/13/2018								6.43
6/14/2018	4.18				5.94	3.41		
7/23/2018						4.02		6.82
7/24/2018	4.95				6.56			
9/1/2018	4.44							
9/6/2018					7.39	3.86		7.4
10/1/2018								
10/2/2018	4.79				8.19	4.63		7.43
11/1/2018						3.37		6.67
11/2/2018	4				5.87			
12/6/2018	5.01				6.64	3.92		6.92
12/7/2018								
2/13/2019	4.53				6.19	3.66		6.91
3/16/2019								
3/27/2019								
4/3/2019								
4/5/2019				2.85				
4/15/2019				3.24				
5/2/2019				3				
5/14/2019				3.2				
5/28/2019								
5/29/2019				2.88				
6/12/2019				3.04				
6/19/2019				3.59				
6/25/2019				3.61				
8/8/2019								6.71
8/9/2019	3.81			3.14	6.86	3.52		
8/30/2019	2.82			2.52	6.63	3.96		7.32
3/16/2020								
3/17/2020	4.23			3.16	5.37	3.43		7.36
7/11/2020								
7/13/2020							0.898	
7/14/2020			0.591					
7/30/2020		0.29 (UD)						
11/4/2020								
11/5/2020								
11/9/2020	3.42	0.381 (U)				2.55		
11/10/2020			0.113 (U)		6.91		0.293 (U)	
11/20/2020				3.32				8.11
3/8/2021								9.26
3/9/2021	4.01	0.24 (U)		0.234 (U)	2.66	3.52	-0.149 (U)	
3/10/2021			0.186 (U)					
10/11/2021		0.194 (U)						
10/12/2021	3.74				7.77		1.07	8.92
10/14/2021			1.24					
10/20/2021				2.8				
10/21/2021						4.05		
4/4/2022								
4/5/2022								
4/6/2022	5.09	0.644			6.15	4.27	0.565	6.93

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/6/2023 11:12 AM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-5	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/7/2022			0.752	3.12				
10/17/2022								
10/18/2022					9.51	5.83	1.12	9.03
10/19/2022	4.24	0.259 (U)	0.7	3.45				
3/8/2023								
3/9/2023	2.58	-0.134 (U)	0.833	2.37	4.77	5.27	0.353 (U)	
3/13/2023								7.57
10/19/2023								
10/20/2023	3.9	0.512 (U)	0.515	2.85	7.61	5.63	0.891	8.1
10/21/2023								
Mean	4.078	0.2983	0.6163	2.91	6.49	4.009	0.6301	7.466
Std. Dev.	0.6949	0.2314	0.3607	0.7442	1.462	0.8545	0.4432	0.8807
Upper Lim.	4.499	0.5435	0.9986	3.276	7.374	4.526	1.1	7.964
Lower Lim.	3.658	0.05299	0.2339	2.767	5.606	3.492	0.1604	6.929

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 12/6/2023 11:12 AM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D
4/24/2018				0.06 (J)		0.33		0.52	
4/25/2018	0.69								
6/13/2018	0.64								
6/14/2018				0.06 (J)		0.37		0.51	
7/23/2018	0.76								
7/24/2018				0.07 (J)		0.42		0.52	
9/1/2018	0.81			0.08 (J)		0.45		0.54	
9/6/2018									
10/1/2018				0.07 (J)		0.39		0.54	
10/2/2018	0.78								
11/1/2018	0.88								
11/2/2018				0.08 (J)		0.42		0.58	
12/6/2018	0.75							0.51	
12/7/2018				4.3 (o)		0.64			
2/13/2019	0.72			0.05 (J)		0.35		0.48	
3/16/2019			<0.2						
3/27/2019			<0.2						
4/3/2019			<0.2						
4/4/2019	0.63								
4/5/2019				0.14 (J)		0.7 (J)		0.31 (J)	
4/15/2019			0.14 (J)						
5/2/2019			0.13 (J)						
5/14/2019			<0.2						
5/28/2019			0.16 (J)						
5/29/2019									
6/12/2019			<0.2						
6/19/2019									
6/25/2019									
8/8/2019	0.58		0.21 (J)	0.19 (J)		0.8 (J)			
8/9/2019								0.51	
8/30/2019	0.5		0.21 (J)	0.17 (J)		<0.2		0.54 (J)	
3/16/2020			<0.2	<0.2		<0.2		<0.2	
3/17/2020	0.38								
7/11/2020					0.24				
7/13/2020		0.24					0.17		
7/14/2020									0.14
7/30/2020									
11/4/2020			<0.2						
11/5/2020				<0.2	0.15 (J)	<0.2			
11/9/2020							0.18 (J)	<0.2	<0.2
11/10/2020									
11/20/2020	0.81	0.13 (J)							
3/8/2021	0.66	0.23	<0.2	<0.2	0.2				
3/9/2021						0.87 (J)	0.18 (J)	0.55 (J)	<0.2
3/10/2021									
10/11/2021							0.14 (J)		
10/12/2021	0.66	0.22	0.27 (J)	0.22 (J)	0.18 (J)				
10/14/2021								0.5 (J)	<0.2
10/20/2021									
10/21/2021						<0.2			
4/4/2022			0.13 (J)						
4/5/2022	0.82	0.19 (J)		<0.2	0.21	<0.2	0.13 (J)		<0.2

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 12/6/2023 11:12 AM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D
4/6/2022								0.36 (J)	
4/7/2022									
10/17/2022			<0.2	<0.2					
10/18/2022	0.68	0.18 (J)			0.14 (J)	0.32 (J)	0.12 (J)		0.15 (J)
10/19/2022								0.29	
3/8/2023			0.086 (J)	0.068 (J)	0.18 (J)	0.19 (J)	0.14 (J)	0.25	0.074 (J)
3/9/2023									
3/13/2023	0.87	0.19 (J)							
10/19/2023			0.12 (J)	<0.2	0.15 (J)	0.17 (J)	0.13 (J)	0.41	0.082 (J)
10/20/2023									
10/21/2023	0.58	0.16 (J)							
Mean	0.6947	0.1925	0.1809	0.1366	0.1813	0.3905	0.1488	0.4274	0.1558
Std. Dev.	0.1282	0.03694	0.04401	0.0661	0.03441	0.2163	0.02416	0.1501	0.05377
Upper Lim.	0.7698	0.2317	0.21	0.2	0.2177	0.4446	0.1744	0.5227	0.2
Lower Lim.	0.6197	0.1533	0.13	0.068	0.1448	0.2335	0.1231	0.4319	0.074

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 12/6/2023 11:12 AM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

	APMW-5	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/24/2018								
4/25/2018	0.09 (J)				0.11	1		0.06 (J)
6/13/2018								0.06 (J)
6/14/2018	0.09 (J)				0.12	1		
7/23/2018						1		0.06 (J)
7/24/2018	0.09 (J)				0.12			
9/1/2018	0.1							
9/6/2018					0.13	1.1		0.06 (J)
10/1/2018								
10/2/2018	0.09 (J)				0.13	1		0.07 (J)
11/1/2018						1.1		0.07 (J)
11/2/2018	0.11				0.14			
12/6/2018	1.4 (o)				0.13	0.98		0.21 (o)
12/7/2018								
2/13/2019	0.07 (J)				0.1	0.98		0.07 (J)
3/16/2019								
3/27/2019								
4/3/2019								
4/4/2019	<0.2				<0.2	0.58 (J)		<0.2
4/5/2019				<0.2 (D)				
4/15/2019				<0.2				
5/2/2019				<0.2				
5/14/2019				<0.2				
5/28/2019								
5/29/2019				<0.2				
6/12/2019				<0.2				
6/19/2019				<0.2				
6/25/2019				0.32 (J)				
8/8/2019								0.2 (J)
8/9/2019	<0.2			<0.2	0.22 (J)	0.9 (J)		
8/30/2019	<0.2			0.27 (J)	0.41 (J)	0.85 (J)		0.18 (J)
3/16/2020								
3/17/2020	<0.2			<0.2	1.6	0.52 (J)		<0.2
7/11/2020								
7/13/2020							0.15	
7/14/2020			0.22					
7/30/2020		0.17						
11/4/2020								
11/5/2020								
11/9/2020	<0.2	0.17 (J)				0.74 (J)		
11/10/2020			0.21		<0.2		0.22	
11/20/2020				<0.2				<0.2
3/8/2021								<0.2
3/9/2021	<0.2	0.17 (J)		<0.2	0.26 (J)	1.1 (J)	0.17 (J)	
3/10/2021			0.18 (J)					
10/11/2021		0.18 (J)						
10/12/2021	<0.2				<0.2		0.15 (J)	<0.2
10/14/2021			0.19 (J)					
10/20/2021				0.29 (J)				
10/21/2021						1 (J)		
4/4/2022								
4/5/2022								

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 12/6/2023 11:12 AM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

	APMW-5	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/6/2022	<0.2	0.27			1.2 (J)	16	0.14 (J)	0.82 (J)
4/7/2022			0.2	6.4				
10/17/2022								
10/18/2022					0.084 (J)	0.73	0.091 (J)	<0.2
10/19/2022	0.065 (J)	0.12 (J)	0.15 (J)	0.22				
3/8/2023								
3/9/2023	0.12 (J)	0.077 (J)	0.08 (J)	0.11 (J)	0.14 (J)	0.59	0.066 (J)	
3/13/2023								0.081 (J)
10/19/2023								
10/20/2023	<0.2	0.13 (J)	0.15 (J)	<0.2	0.026 (J)	0.7	0.083 (J)	0.057 (J)
10/21/2023								
Mean	0.1458	0.1609	0.1725	0.5561	0.2905	1.677	0.1338	0.166
Std. Dev.	0.05699	0.05629	0.04528	1.459	0.4048	3.473	0.05115	0.1762
Upper Lim.	0.2	0.2205	0.2205	0.27	0.26	1.1	0.188	0.2
Lower Lim.	0.09	0.1012	0.1245	0.11	0.11	0.7	0.07954	0.06

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 12/6/2023 11:12 AM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-2	APMW-2D	APMW-3	APMW-4	APMW-4D	APMW-5	APMW-5D
4/24/2018			<0.001		<0.001	<0.001			
4/25/2018	<0.001							<0.001	
6/13/2018	<0.001								
6/14/2018			<0.001		<0.001	<0.001		<0.001	
7/23/2018	<0.001								
7/24/2018			<0.001		<0.001	<0.001		<0.001	
9/1/2018	<0.001		<0.001		<0.001	<0.001		<0.001	
9/6/2018									
10/1/2018			<0.001		<0.001	<0.001			
10/2/2018	<0.001							<0.001	
11/1/2018	0.0011 (J)								
11/2/2018			<0.001		0.00048 (J)	0.00062 (J)		0.0011 (J)	
12/6/2018	0.0006 (J)					<0.001		0.00041 (J)	
12/7/2018			<0.001		<0.001				
2/13/2019	<0.001		<0.001		<0.001	<0.001		0.00036 (J)	
4/5/2019									
4/15/2019									
5/2/2019									
5/14/2019									
5/29/2019									
6/12/2019									
6/19/2019									
6/25/2019									
8/8/2019	<0.001		<0.001		<0.001				
8/9/2019						<0.001		<0.001	
8/30/2019	<0.001		<0.001		<0.001	<0.001		<0.001	
3/16/2020			<0.001		<0.001	<0.001			
3/17/2020	<0.001							<0.001	
7/11/2020				0.000555 (J)					
7/13/2020		0.00116 (J)							
7/14/2020							<0.001		
7/30/2020									0.00203
11/5/2020			<0.001	0.00024 (J)	<0.001				
11/9/2020						<0.001	<0.001	<0.001	0.00099 (J)
11/10/2020									
11/20/2020	<0.001	0.00089 (J)							
3/8/2021	0.00016 (J)	0.00086 (J)	<0.001	0.00016 (J)					
3/9/2021					<0.001	<0.001	<0.001	<0.001	0.00026 (J)
10/11/2021									0.00019 (J)
10/12/2021	<0.001	0.00063 (J)	<0.001	0.0002 (J)				<0.001	
10/14/2021						<0.001	<0.001		
10/20/2021									
10/21/2021					<0.001				
4/5/2022	0.00019 (J)	0.00058 (J)	0.00022 (J)	0.00045 (J)	0.00043 (J)		0.00029 (J)		
4/6/2022						<0.001		<0.001	0.00026 (J)
4/7/2022									
10/17/2022			<0.001						
10/18/2022	<0.001	0.00045 (J)		<0.001	<0.001		<0.001		
10/19/2022						<0.001		<0.001	0.00018 (J)
3/8/2023			<0.001	<0.001	<0.001	<0.001	<0.001		
3/9/2023								<0.001	<0.001
3/13/2023	<0.001	<0.001							

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 12/6/2023 11:12 AM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-2	APMW-2D	APMW-3	APMW-4	APMW-4D	APMW-5	APMW-5D
10/19/2023			<0.001	<0.001	<0.001	<0.001	<0.001		
10/20/2023								<0.001	0.0003 (J)
10/21/2023	<0.001	0.0003 (J)							
Mean	0.0008917	0.0006713	0.0009567	0.0005756	0.0009394	0.0009789	0.0009113	0.0009372	0.0005888
Std. Dev.	0.0002787	0.0002799	0.0001838	0.0003747	0.0001765	8.957E-05	0.000251	0.0002024	0.0006405
Upper Lim.	0.0011	0.0009679	0.001	0.0004792	0.001	0.001	0.001	0.0011	0.001001
Lower Lim.	0.0006	0.0003746	0.00022	0.0001672	0.00048	0.00062	0.00029	0.00041	0.0001623

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 12/6/2023 11:12 AM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-9
4/24/2018				
4/25/2018		<0.001	<0.001	<0.001
6/13/2018				<0.001
6/14/2018		<0.001	<0.001	
7/23/2018			<0.001	<0.001
7/24/2018		<0.001		
9/1/2018				
9/6/2018		<0.001	<0.001	<0.001
10/1/2018				
10/2/2018		<0.001	<0.001	<0.001
11/1/2018			0.0016	<0.001
11/2/2018		0.0019		
12/6/2018		<0.001	0.0013	0.00039 (J)
12/7/2018				
2/13/2019		<0.001	<0.001	<0.001
4/5/2019	<0.001 (D)			
4/15/2019	<0.001			
5/2/2019	<0.001			
5/14/2019	<0.001			
5/29/2019	<0.001			
6/12/2019	<0.001			
6/19/2019	<0.001			
6/25/2019	<0.001			
8/8/2019				0.00013 (J)
8/9/2019	<0.001	<0.001	<0.001	
8/30/2019	0.00032 (J)	<0.001	<0.001	<0.001
3/16/2020				
3/17/2020	<0.001	<0.001	<0.001	<0.001
7/11/2020				
7/13/2020				
7/14/2020				
7/30/2020				
11/5/2020				
11/9/2020			<0.001	
11/10/2020		<0.001		
11/20/2020	<0.001			<0.001
3/8/2021				<0.001
3/9/2021	<0.001	<0.001	<0.001	
10/11/2021				
10/12/2021		<0.001		<0.001
10/14/2021				
10/20/2021	<0.001			
10/21/2021			<0.001	
4/5/2022				
4/6/2022		<0.001	<0.001	<0.001
4/7/2022	<0.001			
10/17/2022				
10/18/2022		<0.001	<0.001	<0.001
10/19/2022	<0.001			
3/8/2023				
3/9/2023	<0.001	<0.001	0.00075 (J)	
3/13/2023				<0.001

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 12/6/2023 11:12 AM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-9
10/19/2023				
10/20/2023	<0.001	<0.001	<0.001	<0.001
10/21/2023				
Mean	0.0009622	0.00105	0.001036	0.0009178
Std. Dev.	0.0001603	0.0002121	0.0001696	0.0002434
Upper Lim.	0.001	0.0019	0.0013	0.001
Lower Lim.	0.00032	0.001	0.00075	0.00039

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 12/6/2023 11:12 AM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D
4/24/2018				0.029		0.11		0.079	
4/25/2018	0.021								
6/13/2018	0.013								
6/14/2018				0.023		0.073		0.055	
7/23/2018	0.015								
7/24/2018				0.023		0.079		0.057	
9/1/2018	0.015			0.022		0.088		0.054	
9/6/2018									
10/1/2018				0.026		0.091		0.063	
10/2/2018	0.017								
11/1/2018	0.038								
11/2/2018				0.024 (J)		0.081		0.077	
12/6/2018	0.011							0.054	
12/7/2018				0.022		0.072			
2/13/2019	0.012			0.02		0.071		0.053	
3/16/2019			0.013						
3/27/2019			0.014						
4/3/2019			0.01						
4/5/2019									
4/15/2019			0.012						
5/2/2019			0.013						
5/14/2019			0.011						
5/28/2019			<0.05						
5/29/2019									
6/12/2019			0.012						
6/19/2019									
6/25/2019									
8/8/2019	0.018		0.012	0.031		0.076			
8/9/2019								0.061	
8/30/2019	0.01		0.011	0.022		0.072		0.052	
3/16/2020			0.013	0.03		0.07		0.053	
3/17/2020	0.017								
7/11/2020					0.0103				
7/13/2020		0.0136					0.00778		
7/14/2020									0.0522
7/30/2020									
11/4/2020			0.014						
11/5/2020				0.031	0.01	0.07			
11/9/2020							0.006	0.049	0.043
11/10/2020									
11/20/2020	0.013	0.011							
3/8/2021	0.01	0.022	0.013	0.03	0.0091				
3/9/2021						0.075	0.0098	0.051	0.044
3/10/2021									
10/11/2021							0.02		
10/12/2021	0.0056	0.019	0.014	0.028	0.0079				
10/14/2021								0.052	0.11
10/20/2021									
10/21/2021						0.0665 (D)			
4/4/2022			0.023 (J)						
4/5/2022	0.012	0.012		0.037	0.01	0.081	0.014		0.073
4/6/2022								0.046	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 12/6/2023 11:12 AM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D
4/7/2022									
10/17/2022			0.016	0.032					
10/18/2022	0.01	0.012			0.011	0.056	0.016		0.068
10/19/2022								0.049	
3/8/2023			0.019	0.036	0.011	0.077	0.012	0.041	0.072
3/9/2023									
3/13/2023	0.01	<0.005							
10/19/2023			0.018 (J)	0.037	0.011 (J)	0.072	0.012 (J)	0.039	0.074
10/20/2023									
10/21/2023	0.013 (J)	0.012 (J)							
Mean	0.01448	0.01301	0.01461	0.02794	0.01004	0.07669	0.0122	0.05472	0.06703
Std. Dev.	0.006909	0.005789	0.004132	0.005482	0.001089	0.01143	0.004509	0.01032	0.02166
Upper Lim.	0.01698	0.01915	0.01648	0.03126	0.01119	0.08315	0.01698	0.06049	0.08998
Lower Lim.	0.0105	0.006876	0.01215	0.02463	0.008883	0.06978	0.007418	0.04843	0.04407

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 12/6/2023 11:12 AM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-5	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/24/2018								
4/25/2018	0.069				0.004 (J)	0.13		0.0039 (J)
6/13/2018								0.0027 (J)
6/14/2018	0.046				0.0026 (J)	0.085		
7/23/2018						0.09		0.0041 (J)
7/24/2018	0.049				0.003 (J)			
9/1/2018	0.045							
9/6/2018					0.0029 (J)	0.099		0.0035 (J)
10/1/2018								
10/2/2018	0.052				0.0021 (J)	0.095		0.004 (J)
11/1/2018						0.16		0.018 (o)
11/2/2018	0.074				0.014 (o)			
12/6/2018	0.044				<0.005	0.082		<0.005
12/7/2018								
2/13/2019	0.045				0.0018 (J)	0.08		0.0026 (J)
3/16/2019								
3/27/2019								
4/3/2019								
4/5/2019				0.051 (D)				
4/15/2019				0.054				
5/2/2019				0.055				
5/14/2019				0.047				
5/28/2019								
5/29/2019				0.055				
6/12/2019				0.062				
6/19/2019				0.059				
6/25/2019				0.052				
8/8/2019								0.0053
8/9/2019	0.049			0.063	<0.005	0.086		
8/30/2019	0.044			0.059	<0.005	0.068		<0.005
3/16/2020								
3/17/2020	0.044			0.056	0.0071	0.08		0.0077
7/11/2020								
7/13/2020							<0.005	
7/14/2020			0.00696					
7/30/2020		0.00791						
11/4/2020								
11/5/2020								
11/9/2020	0.044	0.0076				0.08		
11/10/2020			0.0063		0.0048 (J)		0.0044 (J)	
11/20/2020				0.055				0.0035 (J)
3/8/2021								0.0045 (J)
3/9/2021	0.048	0.0099		0.057	0.004 (J)	0.073	0.005	
3/10/2021			0.0059					
10/11/2021		0.0075						
10/12/2021	0.039				0.0036 (J)		<0.005	<0.005
10/14/2021			0.0061					
10/20/2021				0.0535 (D)				
10/21/2021						0.0735 (D)		
4/4/2022								
4/5/2022								
4/6/2022	0.046	0.0088			0.0043 (J)	0.075	0.0032 (J)	0.0084

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 12/6/2023 11:12 AM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

	APMW-5	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/7/2022			0.011	0.057				
10/17/2022								
10/18/2022					0.0041 (J)	0.07	0.0021 (J)	0.0046 (J)
10/19/2022	0.035	0.0077	0.0069	0.05				
3/8/2023								
3/9/2023	0.04	0.0085	0.01	0.054	0.0071	0.067	0.0071	
3/13/2023								0.0053
10/19/2023								
10/20/2023	0.039	0.0064 (J)	0.0079 (J)	0.056	0.0033 (J)	0.071	0.0033 (J)	0.0036 (J)
10/21/2023								
Mean	0.04733	0.008039	0.007633	0.05531	0.0041	0.08692	0.004387	0.004629
Std. Dev.	0.009738	0.001039	0.001895	0.003997	0.001501	0.02351	0.001526	0.001534
Upper Lim.	0.049	0.00914	0.009579	0.05772	0.004279	0.095	0.005537	0.005064
Lower Lim.	0.04	0.006938	0.00574	0.05289	0.002714	0.071	0.002363	0.003254

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 12/6/2023 11:12 AM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-1R	APMW-5	APMW-7	APMW-8	APMW-9
4/25/2018	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
6/13/2018	<0.0002					<0.0002
6/14/2018			<0.0002	<0.0002	<0.0002	
7/23/2018	<0.0002				<0.0002	<0.0002
7/24/2018			<0.0002	<0.0002		
9/1/2018	8.5E-05 (J)		9.3E-05 (J)			
9/6/2018				9E-05 (J)	7.7E-05 (J)	0.00035
10/2/2018	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
11/1/2018	<0.0002				<0.0002	<0.0002
11/2/2018			<0.0002	<0.0002		
12/6/2018	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
2/13/2019	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
3/16/2019		<0.0002				
3/27/2019		<0.0002				
4/3/2019		<0.0002				
4/15/2019		0.00015 (J)				
5/2/2019		<0.0002				
5/14/2019		<0.0002				
5/28/2019		<0.0002				
6/12/2019		<0.0002				
8/8/2019	<0.0002	<0.0002				<0.0002
8/9/2019			<0.0002	<0.0002	<0.0002	
11/4/2020		<0.0002				
11/9/2020			<0.0002		<0.0002	
11/10/2020				<0.0002		
11/20/2020	<0.0002					<0.0002
3/8/2021	<0.0002	<0.0002				<0.0002
3/9/2021			<0.0002	<0.0002	<0.0002	
10/12/2021	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
10/21/2021					<0.0002	
4/4/2022		<0.0002				
4/5/2022	<0.0002					
4/6/2022			<0.0002	<0.0002	<0.0002	<0.0002
10/17/2022		<0.0002				
10/18/2022	<0.0002			<0.0002	<0.0002	<0.0002
10/19/2022			<0.0002			
3/8/2023		<0.0002				
3/9/2023			<0.0002	<0.0002	<0.0002	
3/13/2023	<0.0002					<0.0002
10/19/2023		<0.0002				
10/20/2023			<0.0002	<0.0002	<0.0002	<0.0002
10/21/2023	<0.0002					
Mean	0.0001928	0.0001969	0.0001933	0.0001931	0.0001923	0.0002094
Std. Dev.	2.875E-05	1.25E-05	2.675E-05	2.75E-05	3.075E-05	3.75E-05
Upper Lim.	0.0002	0.0002	0.0002	0.0002	0.0002	0.00035
Lower Lim.	8.5E-05	0.00015	9.3E-05	9E-05	7.7E-05	0.0002

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 12/6/2023 11:12 AM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D	APMW-5
4/24/2018			<0.015		0.073		0.011 (J)		
4/25/2018	0.11								0.056
6/13/2018	0.09								
6/14/2018			<0.015		0.068		0.0083 (J)		0.048
7/23/2018	0.11								
7/24/2018			<0.015		0.065		0.0075 (J)		0.078
9/1/2018	0.11		<0.015		0.05		0.0082 (J)		0.081
9/6/2018									
10/1/2018			<0.015		0.061		0.0088 (J)		
10/2/2018	0.1								0.07
11/1/2018	0.11								
11/2/2018			<0.015		0.062		0.0083 (J)		0.1
12/6/2018	0.1						0.0093 (J)		0.069
12/7/2018			<0.015		0.062				
2/13/2019	0.085		<0.015		0.061		0.0093 (J)		0.1
4/5/2019									
4/15/2019									
5/2/2019									
5/14/2019									
5/29/2019									
6/12/2019									
6/19/2019									
6/25/2019									
8/8/2019	0.11		0.00079 (J)		0.073				
8/9/2019							0.012		0.15
8/30/2019	0.078		<0.015		0.065		0.011		0.088
3/16/2020			<0.015		0.072		0.01		
3/17/2020	0.081								0.079
7/11/2020				0.00558 (J)					
7/13/2020		0.00884 (J)				<0.015			
7/14/2020								0.257	
7/30/2020									
11/5/2020			<0.015	0.0038 (J)	0.067				
11/9/2020						0.0022 (J)	0.0084 (J)	0.35	0.11
11/10/2020									
11/20/2020	0.059	0.017							
3/8/2021	0.055	0.0096 (J)	<0.015	0.0018 (J)					
3/9/2021					0.076	0.0012 (J)	0.0059 (J)	0.37	0.072
3/10/2021									
10/11/2021						<0.015			
10/12/2021	0.033	0.0099 (J)	<0.015	0.0011 (J)					0.074
10/14/2021							0.0042 (J)	0.23	
10/20/2021									
10/21/2021					0.0705 (D)				
4/5/2022	0.043	0.0058 (J)	<0.015	0.0011 (J)	0.071	0.0007 (J)		0.25	
4/6/2022							0.005 (J)		0.074
4/7/2022									
10/17/2022			<0.015						
10/18/2022	0.03	0.0033 (J)		0.0016 (J)	0.05	0.00072 (J)		0.18	
10/19/2022							0.0043 (J)		0.039
3/8/2023			<0.015	0.0011 (J)	0.064	0.00074 (J)	0.0042 (J)	0.2	
3/9/2023									0.15

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 12/6/2023 11:12 AM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D	APMW-5
3/13/2023	0.033	<0.015							
10/19/2023			<0.015	0.0013 (J)	0.076	0.00096 (J)	0.0047 (J)	0.18	
10/20/2023									0.18
10/21/2023	0.037 (J)	0.0031 (J)							
Mean	0.07633	0.00813	0.01421	0.002173	0.06592	0.004565	0.0078	0.2521	0.08989
Std. Dev.	0.03105	0.004455	0.003349	0.001645	0.007609	0.006459	0.00253	0.07281	0.03714
Upper Lim.	0.11	0.01285	0.015	0.00558	0.07052	0.015	0.009331	0.3293	0.1089
Lower Lim.	0.037	0.003408	0.00079	0.0011	0.06131	0.0007	0.006269	0.1749	0.06691

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 12/6/2023 11:12 AM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/24/2018							
4/25/2018				0.00096 (J)	0.18		<0.015
6/13/2018							<0.015
6/14/2018				0.0062 (J)	0.17		
7/23/2018					0.17		<0.015
7/24/2018				0.0063 (J)			
9/1/2018							
9/6/2018				<0.015	0.15		<0.015
10/1/2018							
10/2/2018				<0.015	0.15		0.0009 (J)
11/1/2018					0.16		<0.015
11/2/2018				0.0066 (J)			
12/6/2018				0.0062 (J)	0.14		<0.015
12/7/2018							
2/13/2019				0.0047 (J)	0.13		<0.015
4/5/2019			0.41 (D)				
4/15/2019			0.4				
5/2/2019			0.3				
5/14/2019			0.36				
5/29/2019			0.4				
6/12/2019			0.34				
6/19/2019			0.41				
6/25/2019			0.37				
8/8/2019							<0.015
8/9/2019			0.48	<0.015	0.12		
8/30/2019			0.42	<0.015	0.11		0.00093 (J)
3/16/2020							
3/17/2020			0.47	<0.015	0.094		<0.015
7/11/2020							
7/13/2020						<0.015	
7/14/2020		<0.015					
7/30/2020	<0.015						
11/5/2020							
11/9/2020	0.0012 (J)				0.072		
11/10/2020		0.00081 (J)		<0.015		0.00067 (J)	
11/20/2020			0.42				<0.015
3/8/2021							<0.015
3/9/2021	0.00091 (J)		0.48	<0.015	0.069	<0.015	
3/10/2021		0.0011 (J)					
10/11/2021	0.0008 (J)						
10/12/2021				<0.015		<0.015	<0.015
10/14/2021		0.0012 (J)					
10/20/2021			0.45 (D)				
10/21/2021					0.056 (D)		
4/5/2022							
4/6/2022	0.00078 (J)			<0.015	0.053	0.0011 (J)	<0.015
4/7/2022		0.00098 (J)	0.5				
10/17/2022							
10/18/2022				<0.015	0.039	0.0012 (J)	<0.015
10/19/2022	0.0014 (J)	0.0019 (J)	0.44				
3/8/2023							
3/9/2023	0.00085 (J)	0.0017 (J)	0.58	<0.015	0.018	0.00086 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 12/6/2023 11:12 AM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
3/13/2023							<0.015
10/19/2023							
10/20/2023	0.0012 (J)	0.0023 (J)	0.67	0.00089 (J)	0.11	0.0011 (J)	<0.015
10/21/2023							
Mean	0.00183	0.002186	0.4389	0.01094	0.1106	0.006241	0.01343
Std. Dev.	0.002302	0.002206	0.08643	0.005457	0.04985	0.007255	0.004555
Upper Lim.	0.0075	0.003505	0.4912	0.015	0.1408	0.015	0.015
Lower Lim.	0.00078	0.0007886	0.3866	0.0062	0.08045	0.00067	0.00093

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 12/6/2023 11:12 AM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-2	APMW-3	APMW-3D	APMW-4	APMW-5	APMW-7	APMW-8	APMW-9
4/24/2018		<0.005	0.0016		0.00055 (J)				
4/25/2018	0.00061 (J)					0.00071 (J)	0.00046 (J)	0.00042 (J)	0.00081 (J)
6/13/2018	0.00034 (J)								0.00027 (J)
6/14/2018		0.00061 (J)	0.0019		0.00068 (J)	0.0006 (J)	0.00039 (J)	0.00049 (J)	
7/23/2018	0.00035 (J)							0.0006 (J)	0.00041 (J)
7/24/2018		0.00037 (J)	0.00087 (J)		0.00036 (J)	0.0006 (J)	0.00036 (J)		
9/1/2018	<0.005	<0.005	0.001 (J)		<0.005	<0.005			
9/6/2018							<0.005	<0.005	<0.005
10/1/2018		<0.005	<0.005		<0.005				
10/2/2018	<0.005					<0.005	<0.005	<0.005	<0.005
11/1/2018	<0.005							<0.005	<0.005
11/2/2018		0.00072 (J)	0.001 (J)		<0.005	<0.005	<0.005		
12/6/2018	<0.005				<0.005	<0.005	<0.005	<0.005	<0.005
12/7/2018		<0.005	0.0011 (J)						
2/13/2019	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005
8/8/2019	<0.005	<0.005	0.0017 (J)						<0.005
8/9/2019					<0.005	<0.005	<0.005	<0.005	
8/30/2019	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005
3/16/2020		<0.005	<0.005		<0.005				
3/17/2020	<0.005					<0.005	<0.005	<0.005	<0.005
7/13/2020				<0.005					
11/5/2020		<0.005	<0.005						
11/9/2020				<0.005	<0.005	<0.005		<0.005	
11/10/2020							<0.005		
11/20/2020	<0.005								<0.005
3/8/2021	<0.005	<0.005							<0.005
3/9/2021			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
10/11/2021				<0.005					
10/12/2021	<0.005	<0.005				<0.005	<0.005		<0.005
10/14/2021					<0.005				
10/21/2021			<0.005					<0.005	
4/5/2022	<0.005	<0.005	<0.005	<0.005					
4/6/2022					<0.005	<0.005	<0.005	<0.005	<0.005
10/17/2022		<0.005							
10/18/2022	<0.005		<0.005	<0.005			<0.005	<0.005	<0.005
10/19/2022					<0.005	<0.005			
3/8/2023		<0.005	0.0014 (J)	0.0012 (J)	<0.005				
3/9/2023						0.0016 (J)	<0.005	0.00076 (J)	
3/13/2023	<0.005								0.0012 (J)
10/19/2023		<0.005	<0.005	<0.005	<0.005				
10/20/2023						<0.005	<0.005	<0.005	<0.005
10/21/2023	<0.005								
Mean	0.004239	0.004261	0.003365	0.004525	0.004255	0.004084	0.004234	0.004015	0.004038
Std. Dev.	0.001752	0.001701	0.001897	0.001344	0.001715	0.001775	0.001763	0.001897	0.00186
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.00061	0.00072	0.0011	0.0012	0.00068	0.0016	0.00046	0.00076	0.0012

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 12/6/2023 11:12 AM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-3	APMW-8	APMW-9
4/24/2018				<0.001	0.00012 (J)		
4/25/2018	<0.001					<0.001	<0.001
6/13/2018	<0.001						<0.001
6/14/2018				<0.001	<0.001	<0.001	
7/23/2018	<0.001					<0.001	<0.001
7/24/2018				<0.001	<0.001		
9/1/2018	<0.001			<0.001	<0.001		
9/6/2018						<0.001	<0.001
10/1/2018				<0.001	<0.001		
10/2/2018	<0.001					<0.001	<0.001
11/1/2018	<0.001					<0.001	<0.001
11/2/2018				<0.001	<0.001		
12/6/2018	<0.001					<0.001	<0.001
12/7/2018				<0.001	<0.001		
2/13/2019	<0.001			<0.001	<0.001	<0.001	<0.001
3/16/2019			<0.001				
3/27/2019			<0.001				
4/3/2019			<0.001				
4/15/2019			<0.001				
5/2/2019			<0.001				
5/14/2019			<0.001				
5/28/2019			<0.001				
6/12/2019			<0.001				
8/8/2019	0.00015 (J)		<0.001	0.00084 (J)	<0.001		<0.001
8/9/2019						0.00025 (J)	
8/30/2019	0.00058 (J)		<0.001	<0.001	<0.001	0.0013	0.0016
3/16/2020			<0.001	<0.001	<0.001		
3/17/2020	<0.001					<0.001	<0.001
7/13/2020		<0.001					
11/4/2020			0.00019 (J)				
11/5/2020				<0.001	<0.001		
11/9/2020						<0.001	
11/20/2020	<0.001	<0.001					<0.001
3/8/2021	0.00068 (J)	0.00057 (J)	<0.001	<0.001			0.00024 (J)
3/9/2021					<0.001	0.00017 (J)	
10/12/2021	<0.001	<0.001	<0.001	<0.001			<0.001
10/21/2021					<0.001	<0.001	
4/4/2022			<0.001				
4/5/2022	<0.001	<0.001		<0.001	<0.001		
4/6/2022						<0.001	<0.001
10/17/2022			<0.001	<0.001			
10/18/2022	<0.001	<0.001			<0.001	<0.001	<0.001
3/8/2023			<0.001	<0.001	<0.001		
3/9/2023						<0.001	
3/13/2023	<0.001	<0.001					<0.001
10/19/2023			<0.001	<0.001	<0.001		
10/20/2023						<0.001	<0.001
10/21/2023	<0.001	<0.001					
Mean	0.0009117	0.0009463	0.000955	0.0009911	0.0009511	0.0009289	0.0009911
Std. Dev.	0.000225	0.000152	0.0001909	3.771E-05	0.0002074	0.0002712	0.0002347
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.0013	0.0016
Lower Lim.	0.00068	0.00057	0.00019	0.00084	0.00012	0.00025	0.00024

ND substitution: RL or RL/2 if <15% NDs.

FIGURE I.

Trend Tests Appendix IV - Significant Results

Plant Watson Data: Plant Watson AP CCR Printed 12/6/2023, 11:15 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Arsenic (mg/L)	**APMW-10**	**-0.02023**	**-120**	**-53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-3**	**-0.006083**	**-55**	**-53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-4**	**-0.001901**	**-93**	**-53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-5D**	**0.002848**	**24**	**17**	**Yes**	**8**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-6R**	**0.02967**	**124**	**53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-8**	**-0.01647**	**-143**	**-53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-11 (bg)**	**-0.01355**	**-118**	**-53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-12 (bg)**	**-0.004195**	**-77**	**-53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-2**	**0.1284**	**80**	**53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	**APMW-1R**	**2.028**	**115**	**53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	**APMW-9**	**0.3954**	**83**	**53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**APMW-12 (bg)**	**0.001129**	**91**	**53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**APMW-3**	**-0.002992**	**-62**	**-53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**APMW-4**	**-0.003122**	**-113**	**-53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**APMW-8**	**-0.005078**	**-100**	**-53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**APMW-6R**	**0.04663**	**97**	**53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**

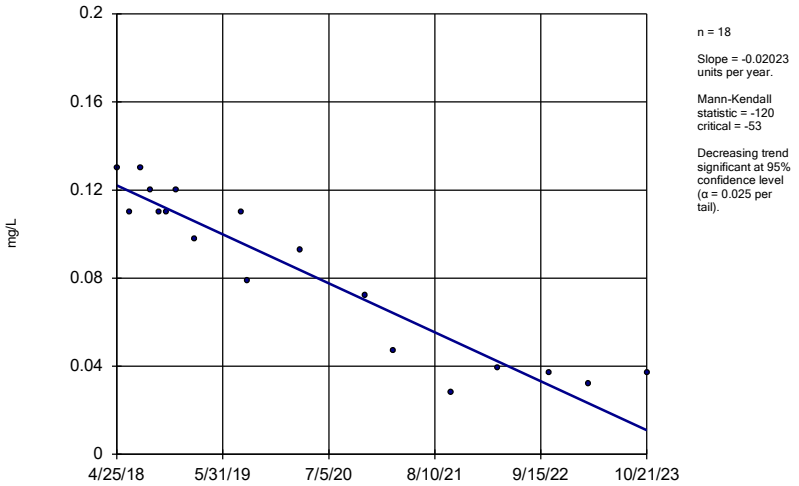
Trend Tests Appendix IV - All Results

Plant Watson Data: Plant Watson AP CCR Printed 12/6/2023, 11:15 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Arsenic (mg/L)	**APMW-10**	**-0.02023**	**-120**	**-53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	APMW-11 (bg)	0	24	53	No	18	83.33	n/a	n/a	0.05	NP
Arsenic (mg/L)	APMW-12 (bg)	-0.0001862	-46	-53	No	18	16.67	n/a	n/a	0.05	NP
Arsenic (mg/L)	APMW-13 (bg)	0	5	17	No	8	87.5	n/a	n/a	0.05	NP
Arsenic (mg/L)	APMW-14 (bg)	0	-4	-17	No	8	50	n/a	n/a	0.05	NP
Arsenic (mg/L)	APMW-15 (bg)	-0.0001461	-10	-17	No	8	0	n/a	n/a	0.05	NP
Arsenic (mg/L)	APMW-16 (bg)	-0.0003657	-4	-17	No	8	0	n/a	n/a	0.05	NP
Arsenic (mg/L)	**APMW-3**	**-0.006083**	**-55**	**-53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-4**	**-0.001901**	**-93**	**-53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	APMW-5	-0.002622	-27	-53	No	18	0	n/a	n/a	0.05	NP
Arsenic (mg/L)	**APMW-5D**	**0.002848**	**24**	**17**	**Yes**	**8**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-6R**	**0.02967**	**124**	**53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-8**	**-0.01647**	**-143**	**-53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-11 (bg)**	**-0.01355**	**-118**	**-53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-12 (bg)**	**-0.004195**	**-77**	**-53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	APMW-13 (bg)	-0.003401	-3	-17	No	8	0	n/a	n/a	0.05	NP
Barium (mg/L)	APMW-14 (bg)	-0.008782	-4	-17	No	8	0	n/a	n/a	0.05	NP
Barium (mg/L)	APMW-15 (bg)	-0.00332	-17	-17	No	8	0	n/a	n/a	0.05	NP
Barium (mg/L)	APMW-16 (bg)	0.001152	5	17	No	8	0	n/a	n/a	0.05	NP
Barium (mg/L)	**APMW-2**	**0.1284**	**80**	**53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	APMW-11 (bg)	-0.04751	-33	-53	No	18	5.556	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-12 (bg)	-0.009444	-7	-53	No	18	5.556	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-13 (bg)	0.3091	16	17	No	8	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-14 (bg)	0.5054	12	17	No	8	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-15 (bg)	0.0351	1	17	No	8	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-16 (bg)	-0.2607	-6	-17	No	8	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	**APMW-1R**	**2.028**	**115**	**53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	APMW-2	0	-1	-53	No	18	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-4D	0.1816	6	17	No	8	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	**APMW-9**	**0.3954**	**83**	**53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	APMW-11 (bg)	0.0004206	38	53	No	18	0	n/a	n/a	0.05	NP
Lithium (mg/L)	**APMW-12 (bg)**	**0.001129**	**91**	**53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	APMW-13 (bg)	-0.0007241	-2	-17	No	8	0	n/a	n/a	0.05	NP
Lithium (mg/L)	APMW-14 (bg)	0	-8	-17	No	8	62.5	n/a	n/a	0.05	NP
Lithium (mg/L)	APMW-15 (bg)	0.0002231	2	17	No	8	0	n/a	n/a	0.05	NP
Lithium (mg/L)	APMW-16 (bg)	-0.0001458	-2	-17	No	8	0	n/a	n/a	0.05	NP
Lithium (mg/L)	**APMW-3**	**-0.002992**	**-62**	**-53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**APMW-4**	**-0.003122**	**-113**	**-53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	APMW-4D	0.007228	12	17	No	8	0	n/a	n/a	0.05	NP
Lithium (mg/L)	APMW-6R	0.0002274	10	53	No	18	0	n/a	n/a	0.05	NP
Lithium (mg/L)	**APMW-8**	**-0.005078**	**-100**	**-53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	APMW-11 (bg)	0	0	53	No	18	100	n/a	n/a	0.05	NP
Molybdenum (mg/L)	APMW-12 (bg)	0	0	53	No	18	100	n/a	n/a	0.05	NP
Molybdenum (mg/L)	APMW-13 (bg)	0	0	17	No	8	100	n/a	n/a	0.05	NP
Molybdenum (mg/L)	APMW-14 (bg)	0	0	17	No	8	100	n/a	n/a	0.05	NP
Molybdenum (mg/L)	APMW-15 (bg)	0	5	17	No	8	87.5	n/a	n/a	0.05	NP
Molybdenum (mg/L)	APMW-16 (bg)	0	5	17	No	8	87.5	n/a	n/a	0.05	NP
Molybdenum (mg/L)	APMW-4D	-0.03974	-17	-17	No	8	0	n/a	n/a	0.05	NP
Molybdenum (mg/L)	**APMW-6R**	**0.04663**	**97**	**53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**

Sen's Slope Estimator

APMW-10



n = 18

Slope = -0.02023 units per year.

Mann-Kendall statistic = -120
critical = -53

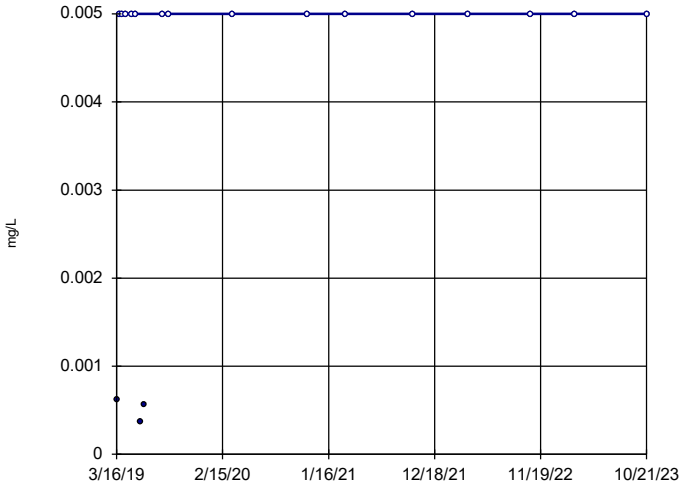
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-11 (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 24
critical = 53

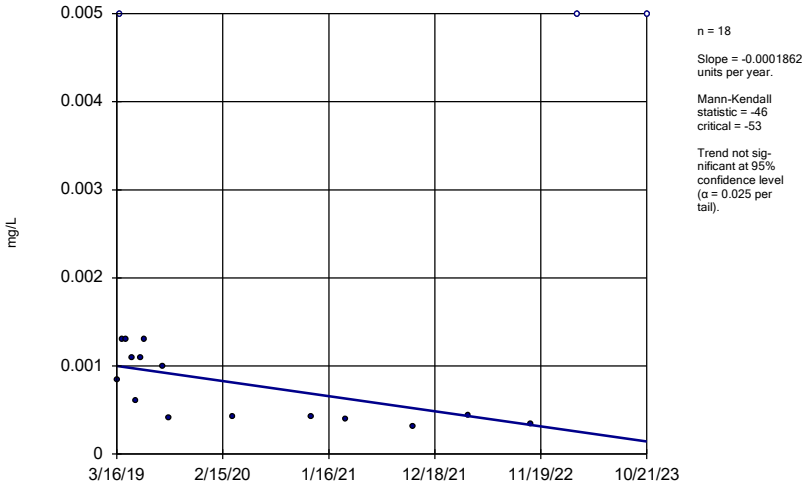
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-12 (bg)



n = 18

Slope = -0.0001862 units per year.

Mann-Kendall statistic = -46
critical = -53

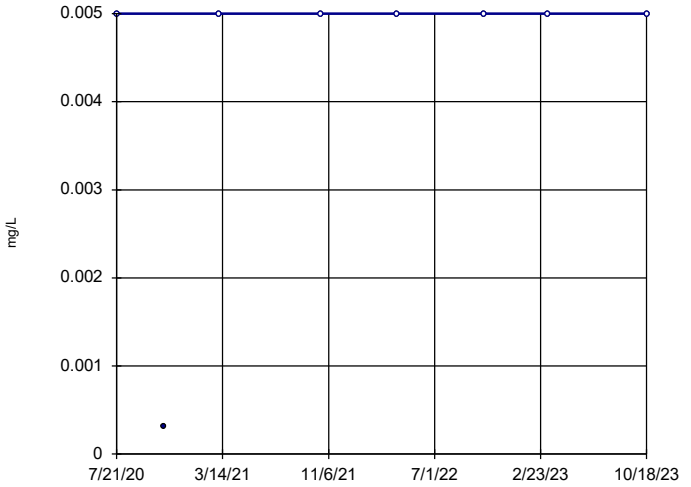
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-13 (bg)



n = 8

Slope = 0 units per year.

Mann-Kendall statistic = 5
critical = 17

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

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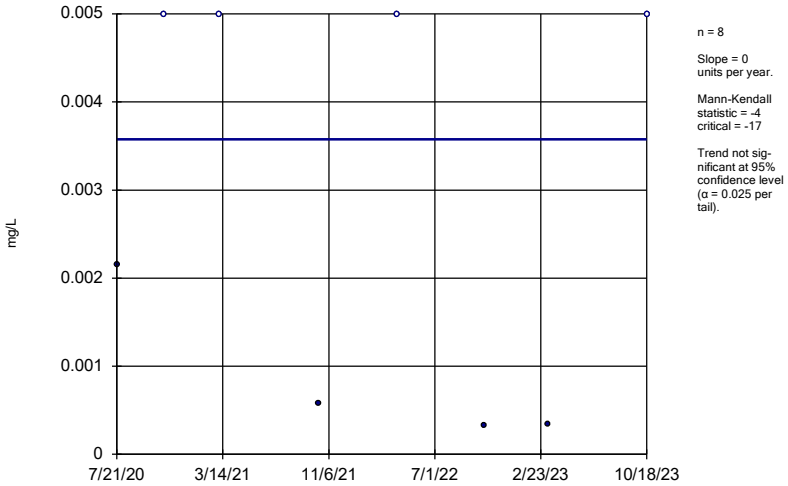
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-14 (bg)



n = 8

Slope = 0 units per year.

Mann-Kendall statistic = -4
critical = -17

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

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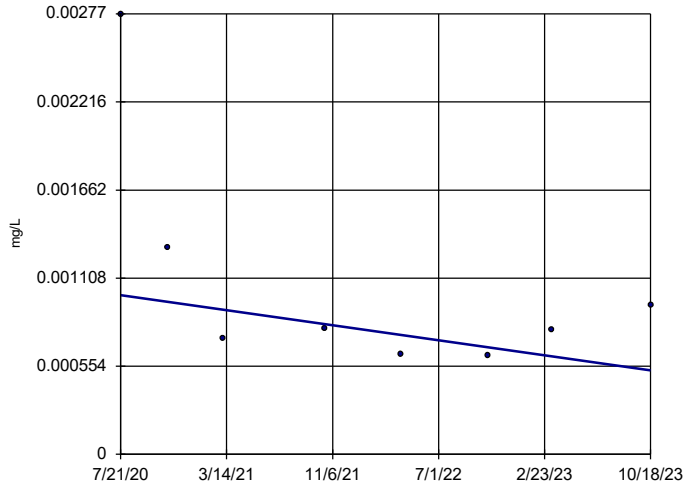
Sen's Slope Estimator

APMW-15 (bg)



n = 8

Slope = -0.0001461 units per year.

Mann-Kendall statistic = -10
critical = -17

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

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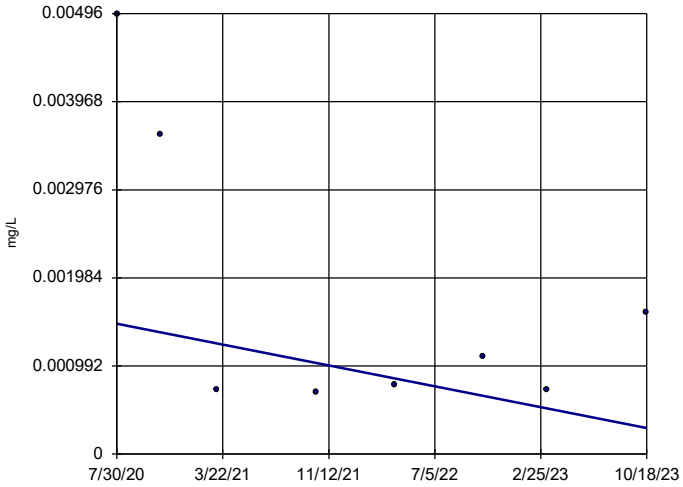
Sen's Slope Estimator

APMW-16 (bg)



n = 8

Slope = -0.0003657 units per year.

Mann-Kendall statistic = -4
critical = -17

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

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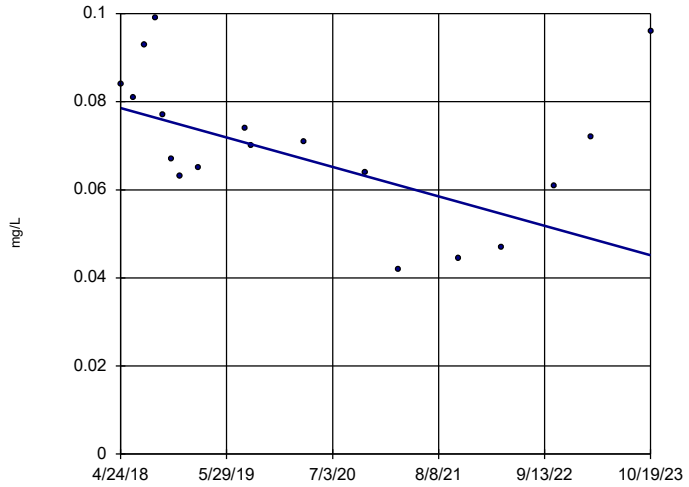
Sen's Slope Estimator

APMW-3



n = 18

Slope = -0.006083 units per year.

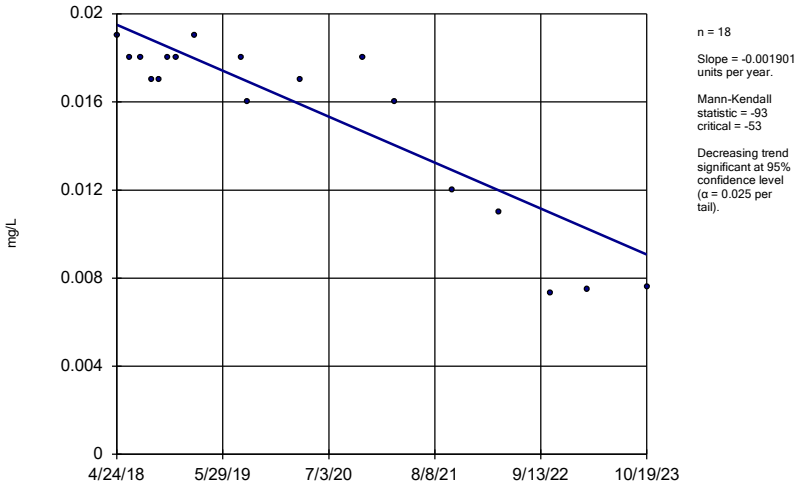
Mann-Kendall statistic = -55
critical = -53

Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sen's Slope Estimator

APMW-4



n = 18

Slope = -0.001901 units per year.

Mann-Kendall statistic = -93
critical = -53

Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

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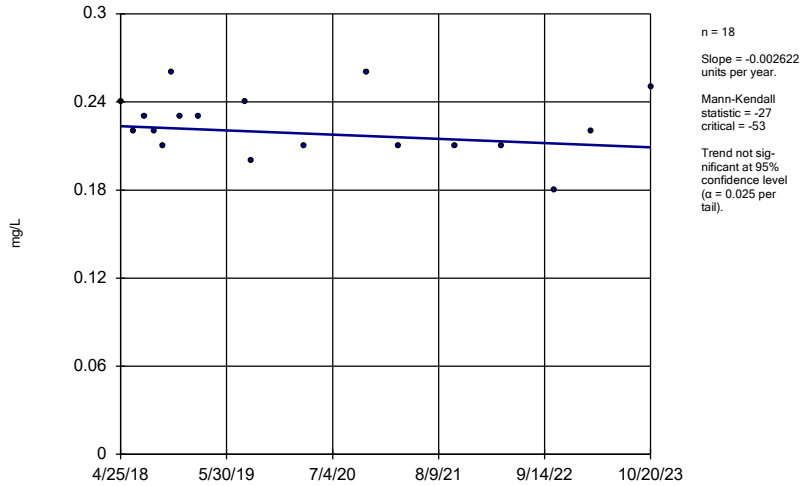
Sen's Slope Estimator

APMW-5



n = 18

Slope = -0.002622 units per year.

Mann-Kendall statistic = -27
critical = -53

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

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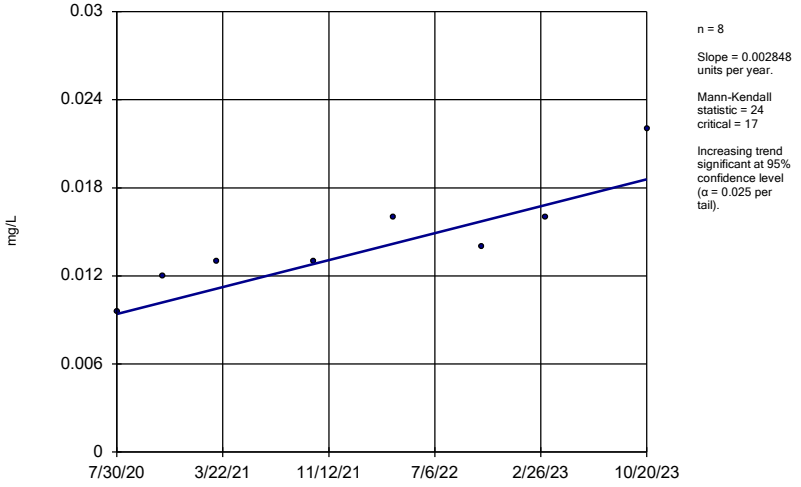
Sen's Slope Estimator

APMW-5D



n = 8

Slope = 0.002848 units per year.

Mann-Kendall statistic = 24
critical = 17

Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

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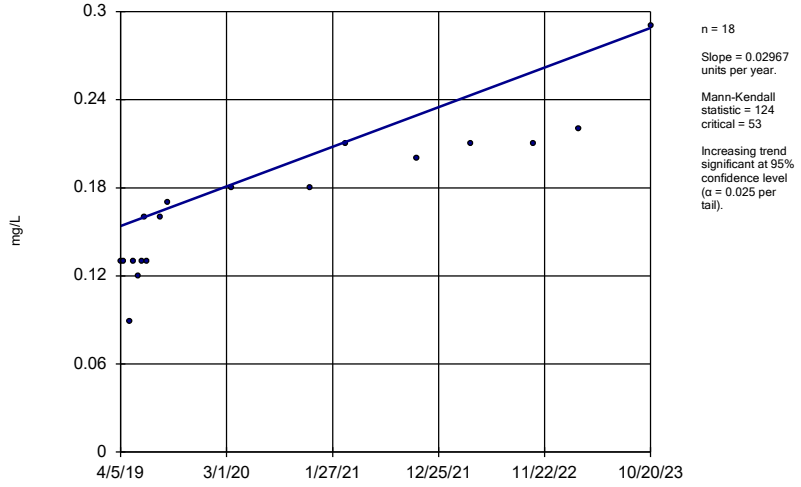
Sen's Slope Estimator

APMW-6R



n = 18

Slope = 0.02967 units per year.

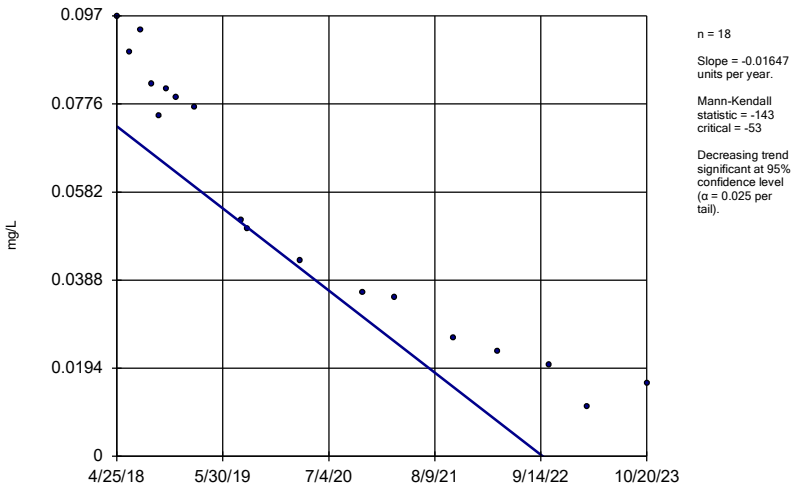
Mann-Kendall statistic = 124
critical = 53

Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sen's Slope Estimator

APMW-8



n = 18

Slope = -0.01647 units per year.

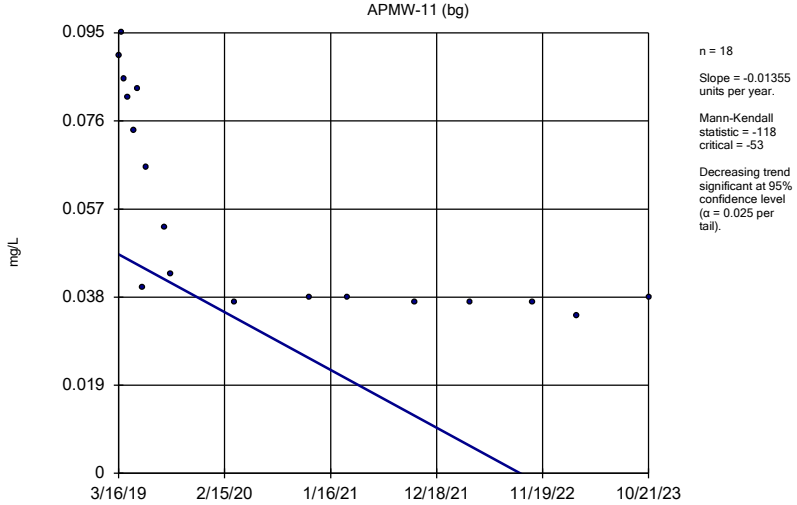
Mann-Kendall statistic = -143
critical = -53

Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sen's Slope Estimator

APMW-11 (bg)



n = 18

Slope = -0.01355 units per year.

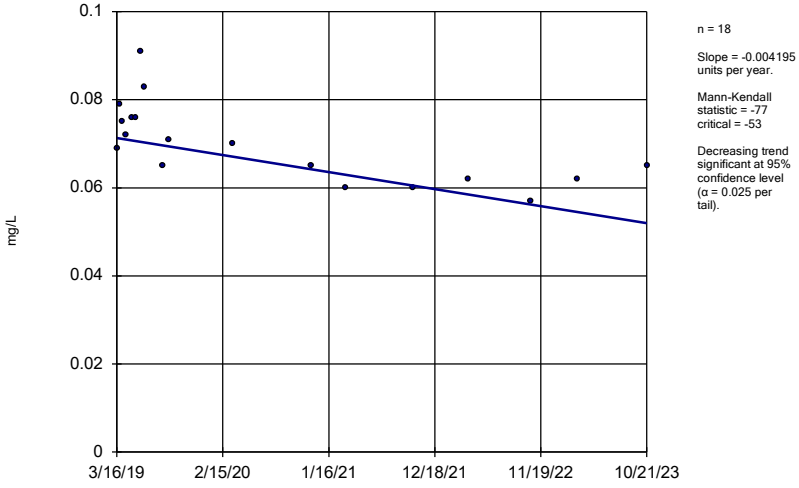
Mann-Kendall statistic = -118
critical = -53

Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sen's Slope Estimator

APMW-12 (bg)



n = 18

Slope = -0.004195 units per year.

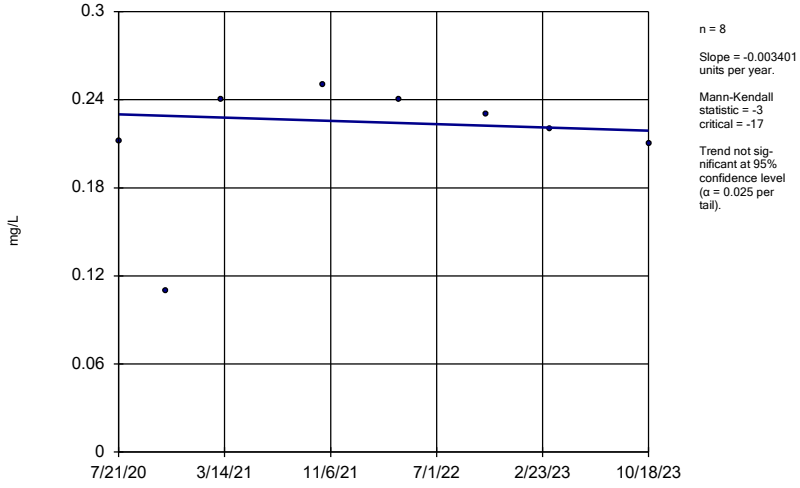
Mann-Kendall statistic = -77
critical = -53

Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sen's Slope Estimator

APMW-13 (bg)



n = 8

Slope = -0.003401 units per year.

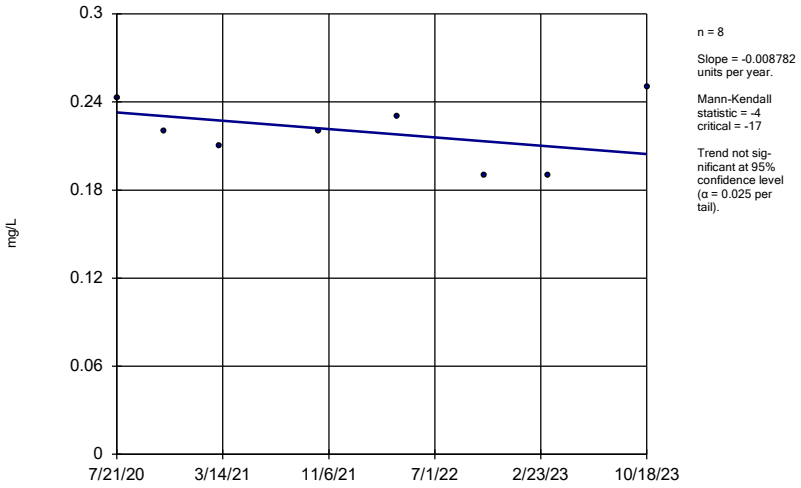
Mann-Kendall statistic = -3
critical = -17

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sen's Slope Estimator

APMW-14 (bg)



n = 8

Slope = -0.008782 units per year.

Mann-Kendall statistic = -4
critical = -17

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

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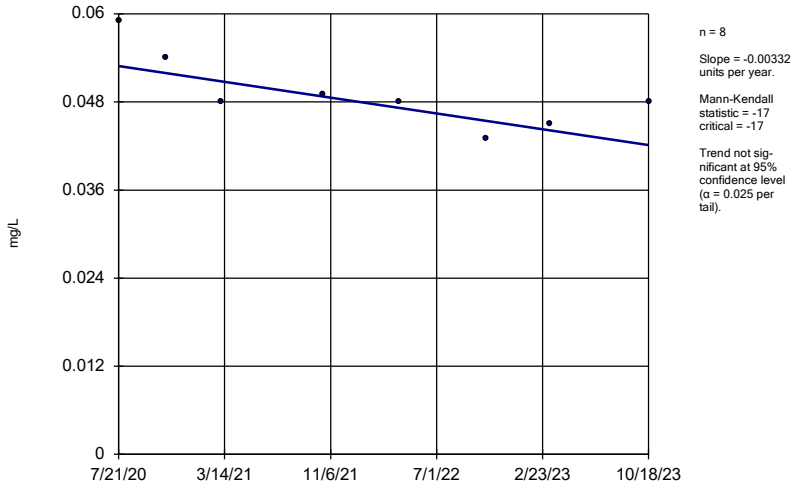
Sen's Slope Estimator

APMW-15 (bg)



n = 8

Slope = -0.00332 units per year.

Mann-Kendall statistic = -17
critical = -17

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

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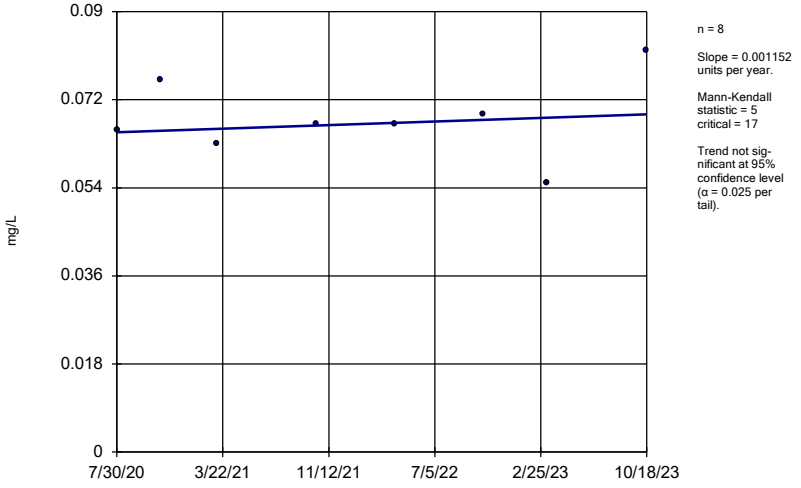
Sen's Slope Estimator

APMW-16 (bg)



n = 8

Slope = 0.001152 units per year.

Mann-Kendall statistic = 5
critical = 17

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

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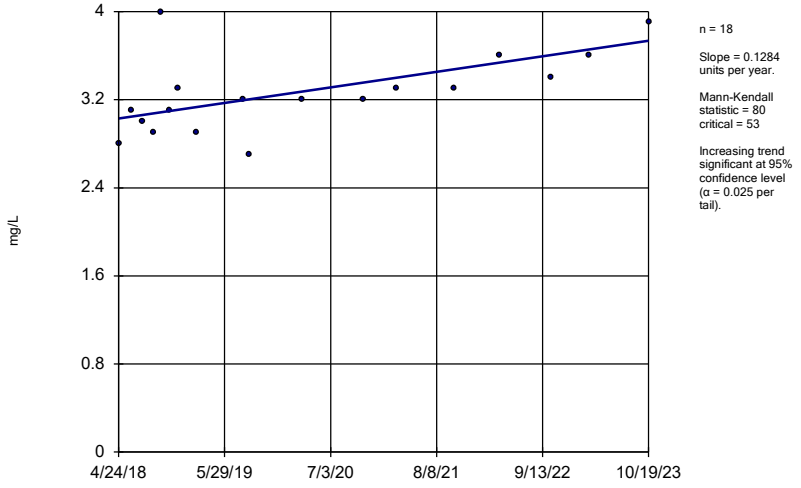
Sen's Slope Estimator

APMW-2



n = 18

Slope = 0.1284 units per year.

Mann-Kendall statistic = 80
critical = 53

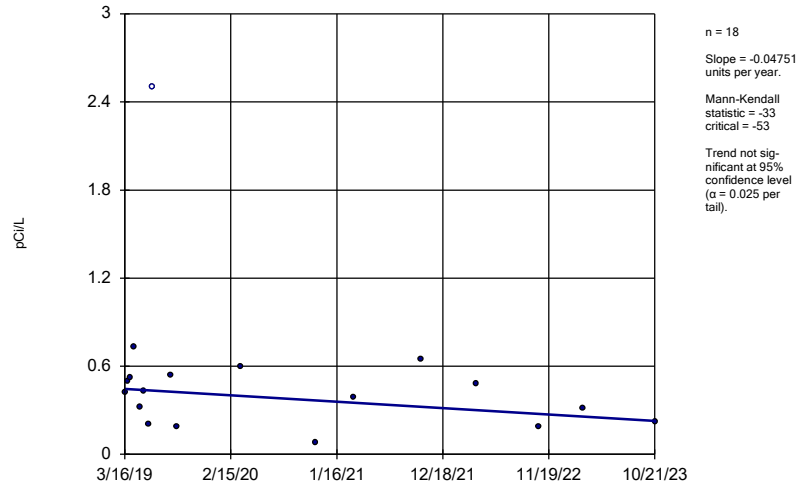
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-11 (bg)



n = 18

Slope = -0.04751 units per year.

Mann-Kendall statistic = -33
critical = -53

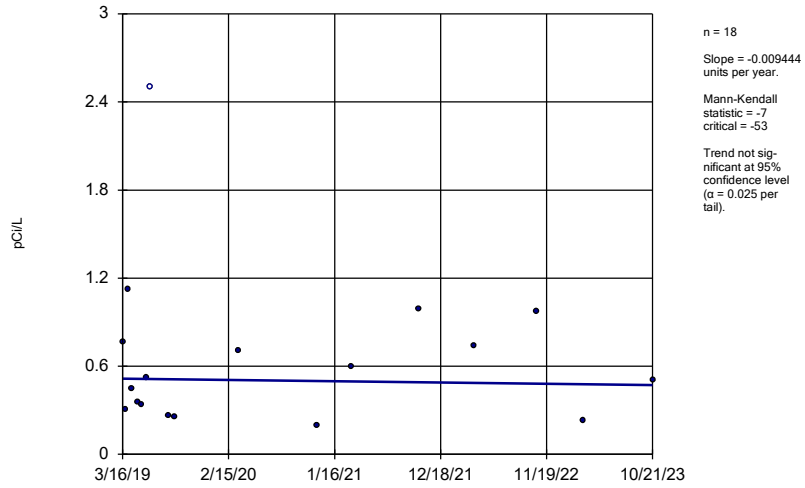
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend T
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-12 (bg)



n = 18

Slope = -0.009444 units per year.

Mann-Kendall statistic = -7
critical = -53

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend T
Plant Watson Data: Plant Watson AP CCR

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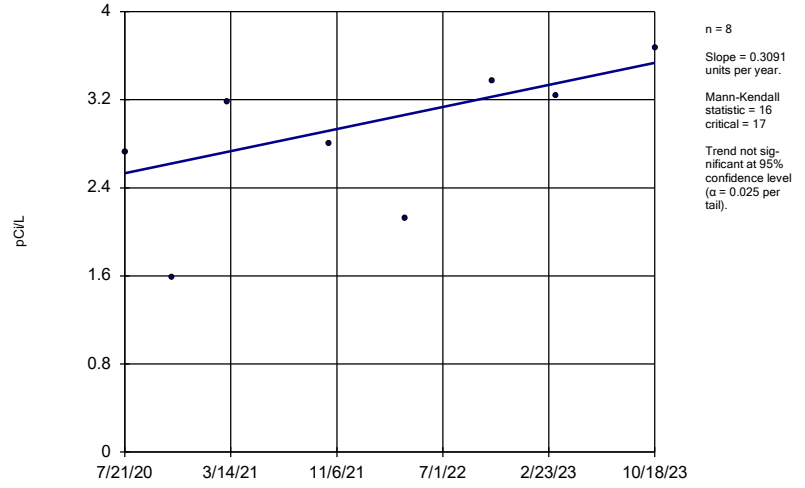
Sen's Slope Estimator

APMW-13 (bg)



n = 8

Slope = 0.3091 units per year.

Mann-Kendall statistic = 16
critical = 17

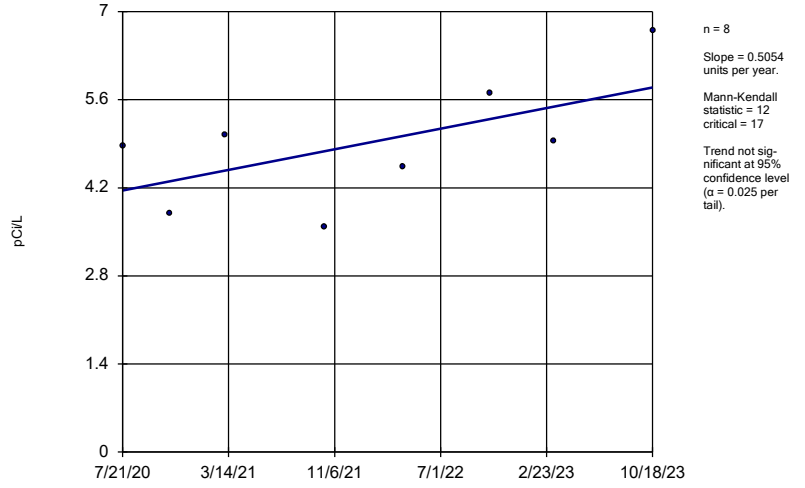
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend T
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-14 (bg)



n = 8

Slope = 0.5054 units per year.

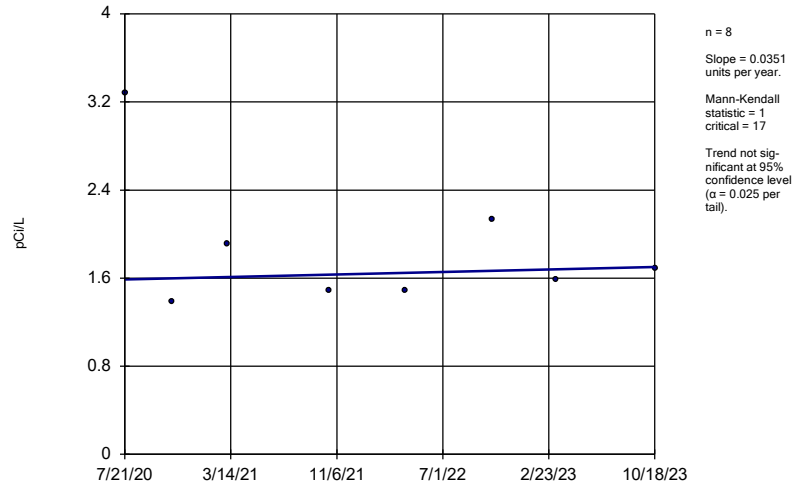
Mann-Kendall statistic = 12
critical = 17

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend T
Plant Watson Data: Plant Watson AP CCR

Sen's Slope Estimator

APMW-15 (bg)



n = 8

Slope = 0.0351 units per year.

Mann-Kendall statistic = 1 critical = 17

Trend not significant at 95% confidence level (α = 0.025 per tail).

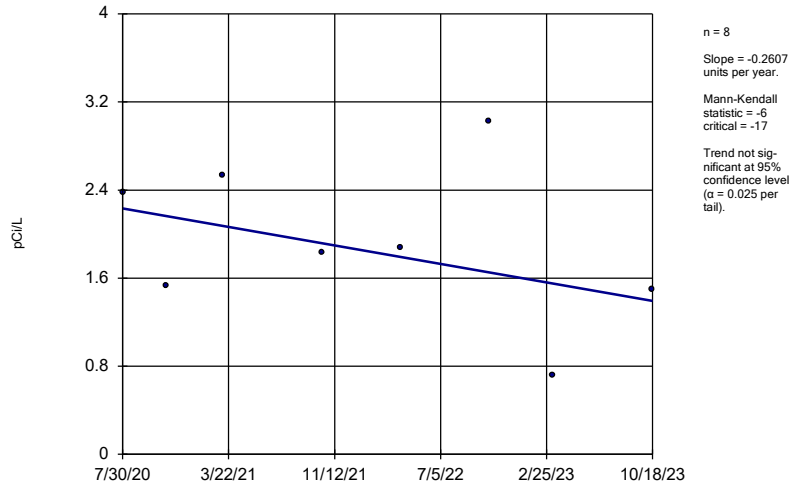
Constituent: Combined Radium 226 + 228 Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend T

Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-16 (bg)



n = 8

Slope = -0.2607 units per year.

Mann-Kendall statistic = -6 critical = -17

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend T

Plant Watson Data: Plant Watson AP CCR

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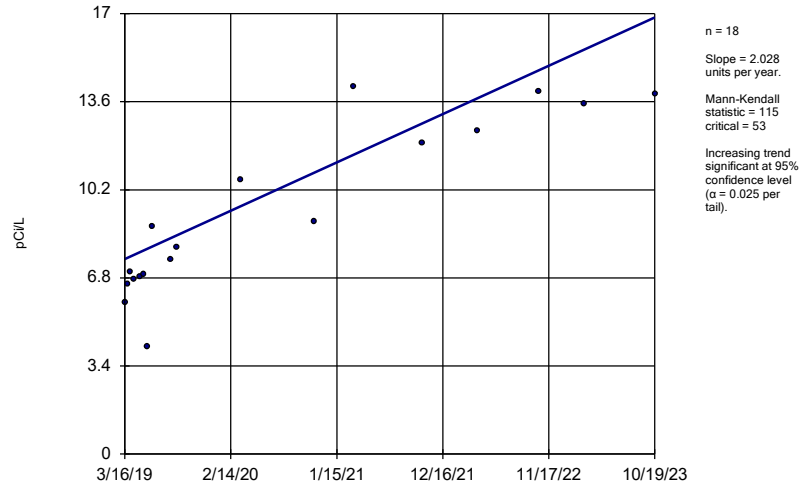
Sen's Slope Estimator

APMW-1R



n = 18

Slope = 2.028 units per year.

Mann-Kendall statistic = 115 critical = 53

Increasing trend significant at 95% confidence level (α = 0.025 per tail).

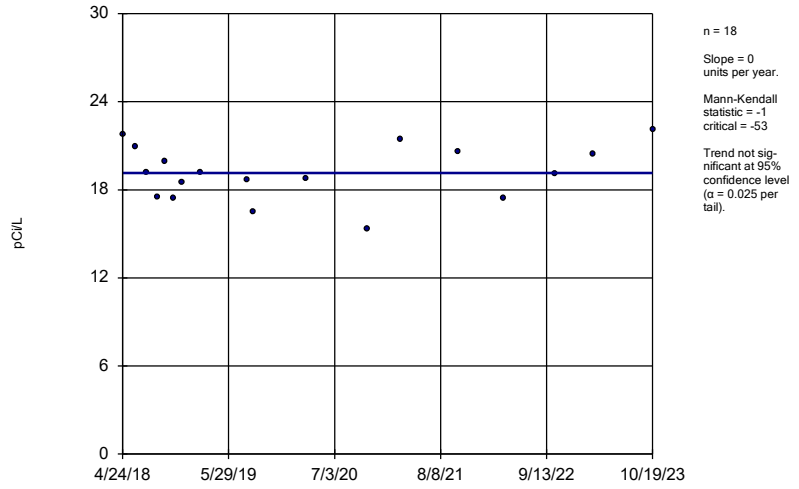
Constituent: Combined Radium 226 + 228 Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend T

Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-2



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = -1 critical = -53

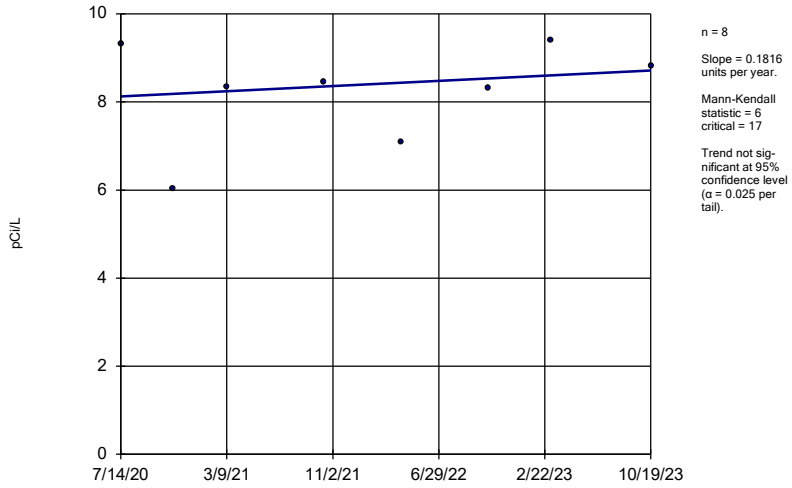
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend T

Plant Watson Data: Plant Watson AP CCR

Sen's Slope Estimator

APMW-4D

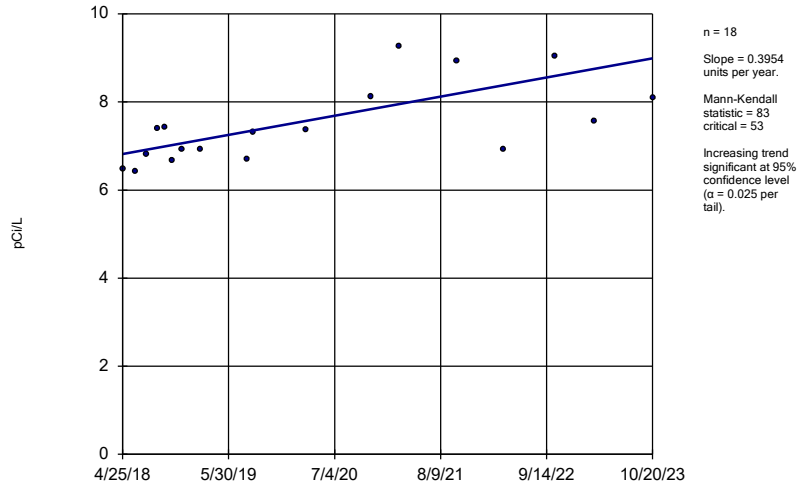


Constituent: Combined Radium 226 + 228 Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend T
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-9

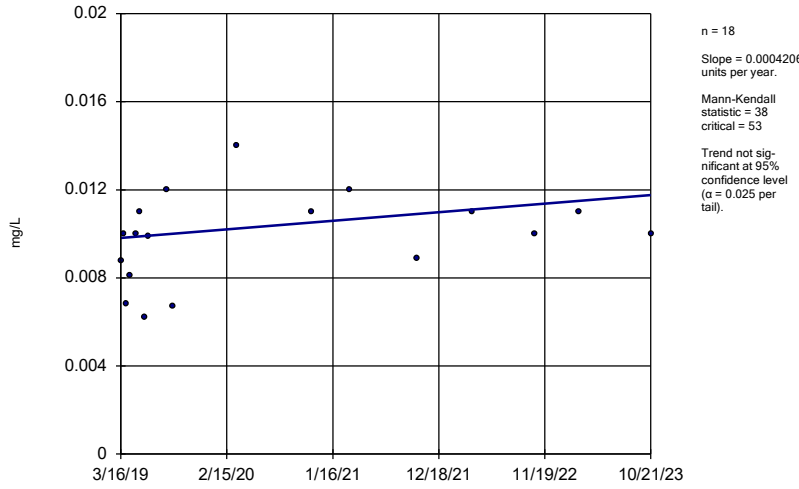


Constituent: Combined Radium 226 + 228 Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend T
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-11 (bg)

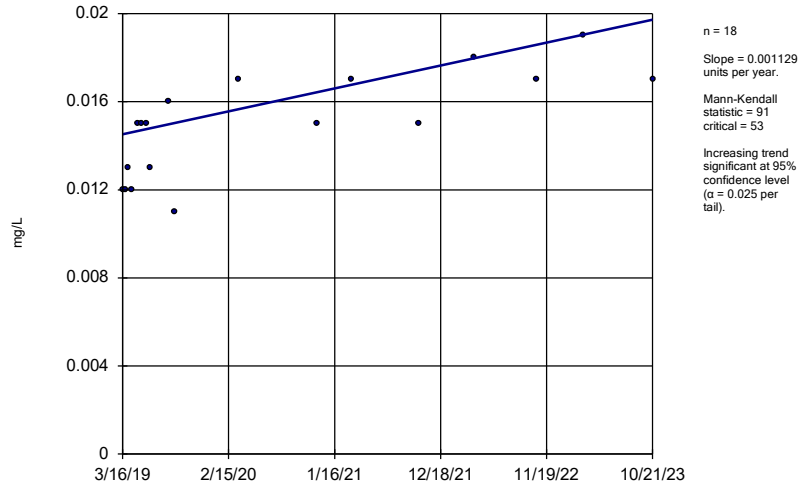


Constituent: Lithium Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

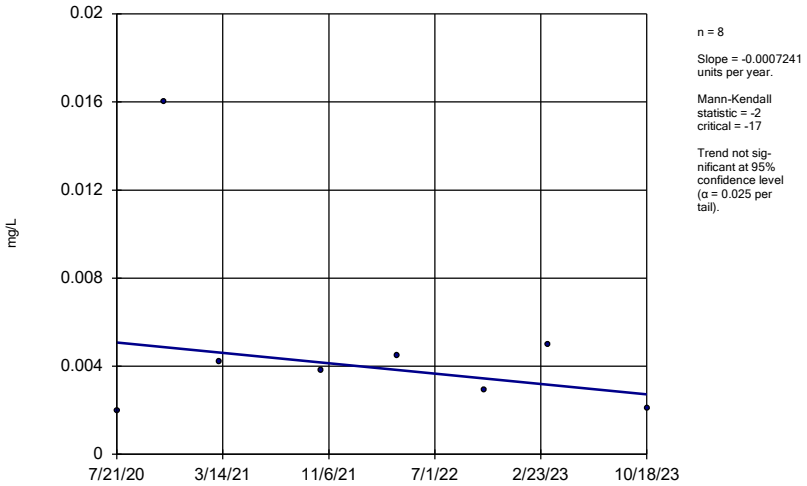
APMW-12 (bg)



Constituent: Lithium Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sen's Slope Estimator

APMW-13 (bg)



n = 8

Slope = -0.0007241 units per year.

Mann-Kendall statistic = -2
critical = -17

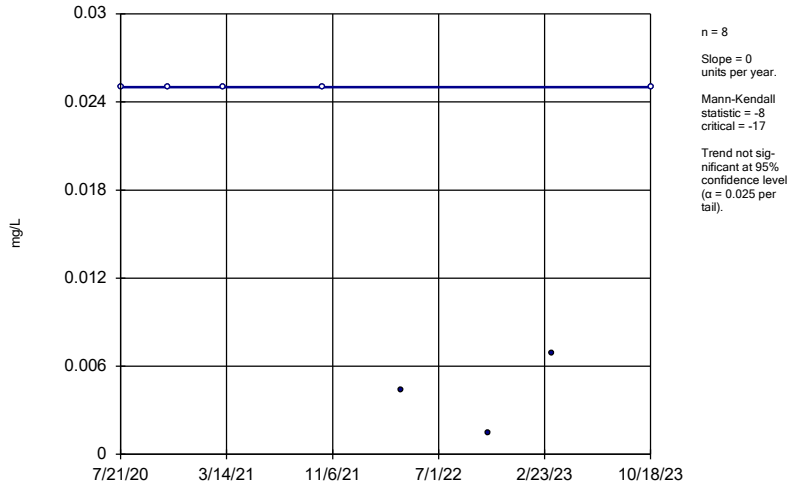
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-14 (bg)



n = 8

Slope = 0 units per year.

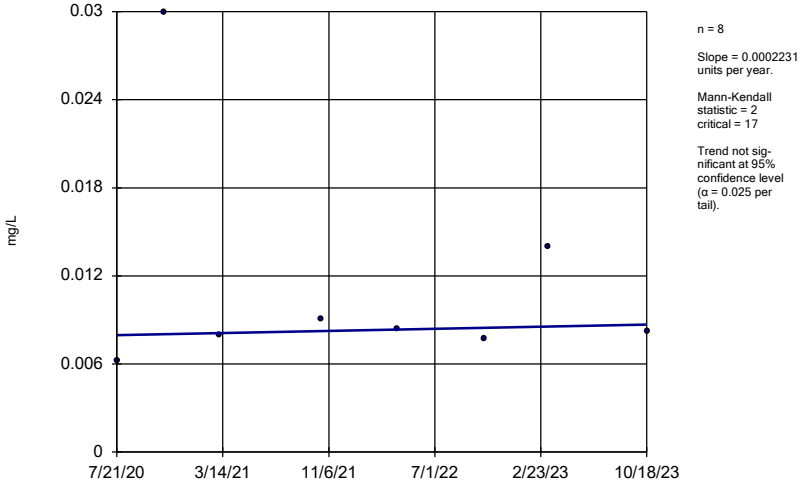
Mann-Kendall statistic = -8
critical = -17

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sen's Slope Estimator

APMW-15 (bg)



n = 8

Slope = 0.0002231 units per year.

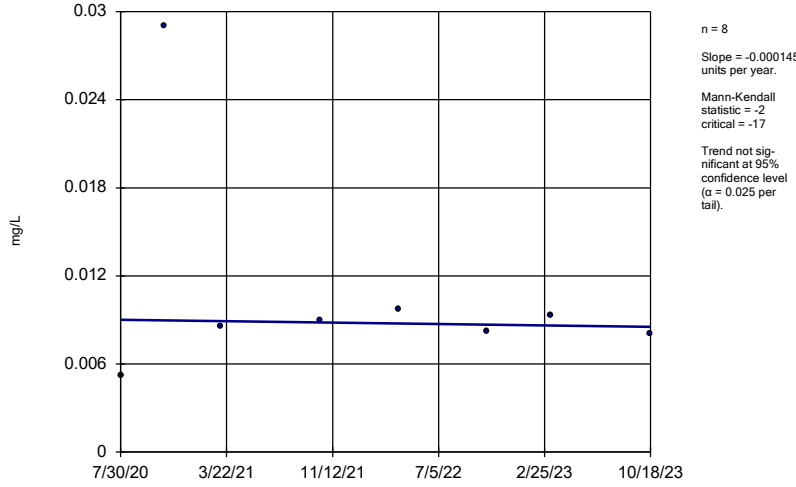
Mann-Kendall statistic = 2
critical = 17

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sen's Slope Estimator

APMW-16 (bg)



n = 8

Slope = -0.0001458 units per year.

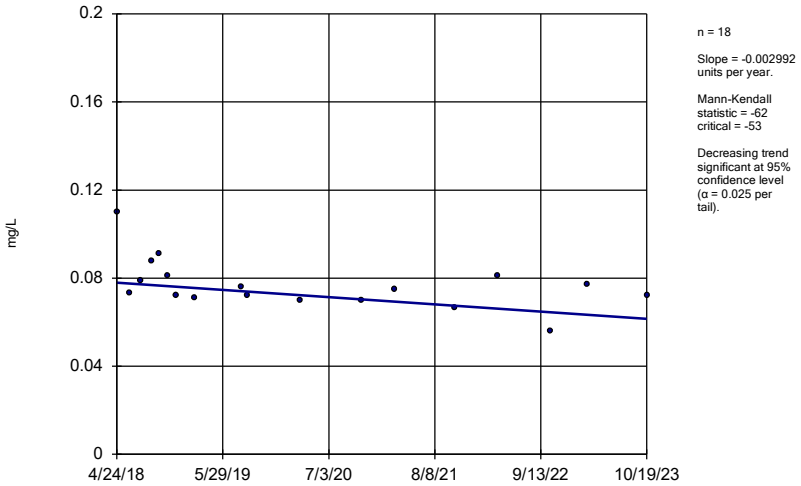
Mann-Kendall statistic = -2
critical = -17

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sen's Slope Estimator

APMW-3



n = 18

Slope = -0.002992 units per year.

Mann-Kendall statistic = -62
critical = -53

Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

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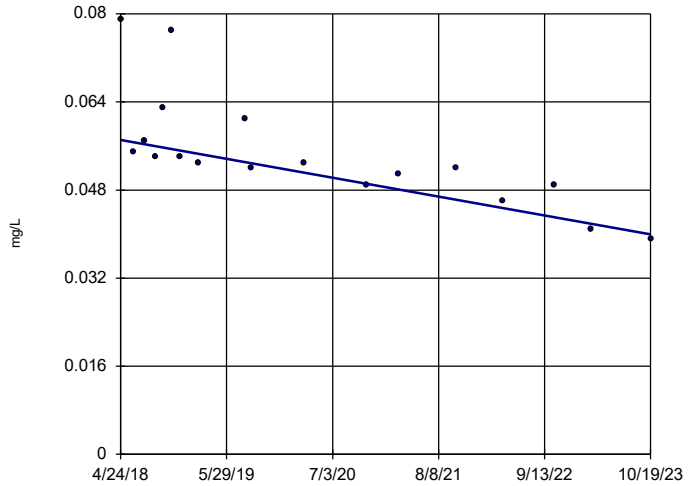
Sen's Slope Estimator

APMW-4



n = 18

Slope = -0.003122 units per year.

Mann-Kendall statistic = -113
critical = -53

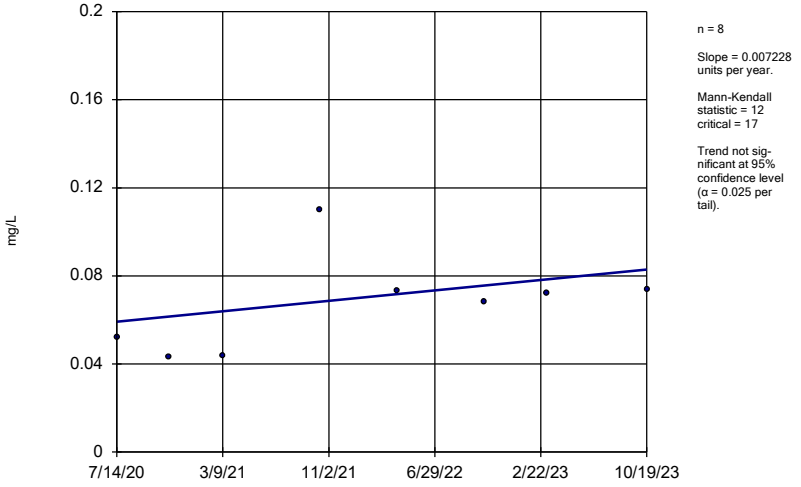
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-4D



n = 8

Slope = 0.007228 units per year.

Mann-Kendall statistic = 12
critical = 17

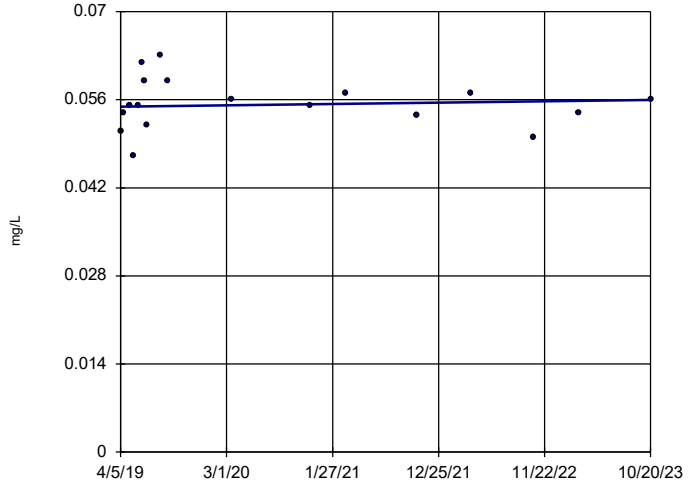
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-6R



n = 18

Slope = 0.0002274 units per year.

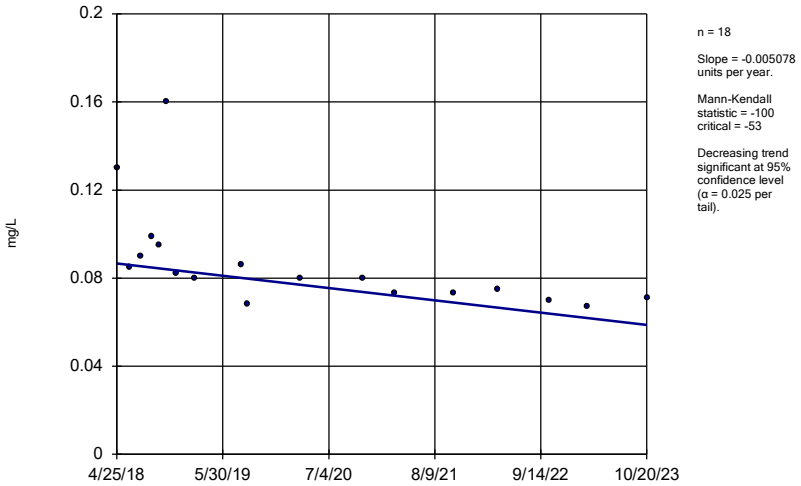
Mann-Kendall statistic = 10
critical = 53

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sen's Slope Estimator

APMW-8

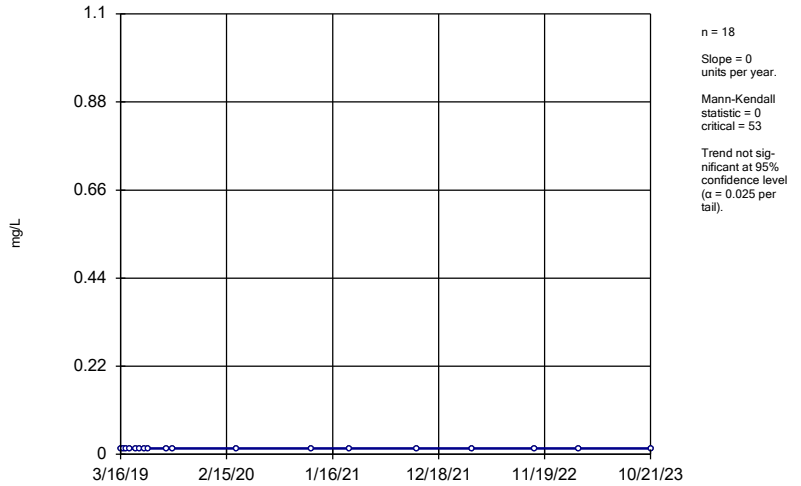


Constituent: Lithium Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-11 (bg)

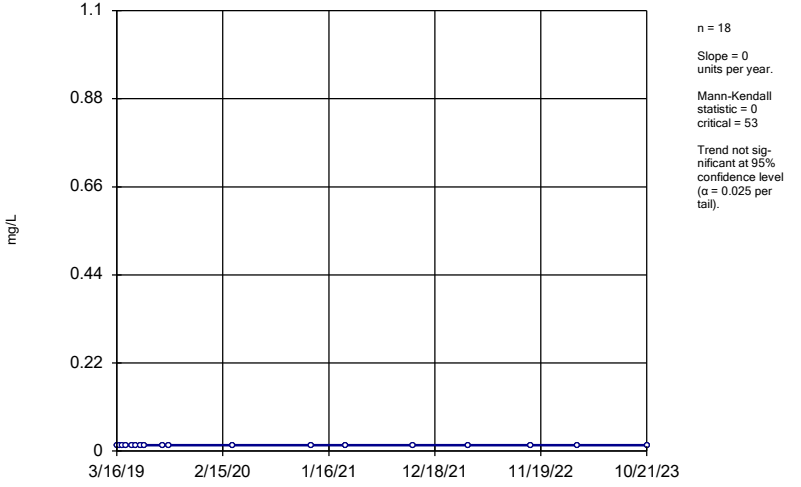


Constituent: Molybdenum Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-12 (bg)

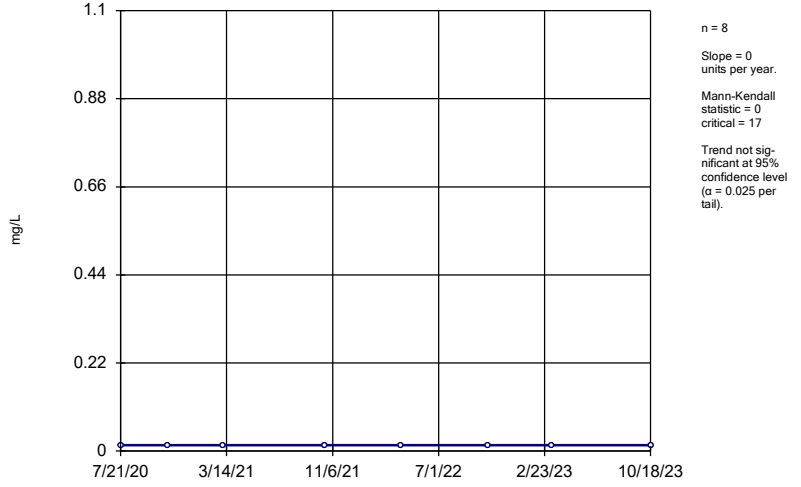


Constituent: Molybdenum Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-13 (bg)



Constituent: Molybdenum Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

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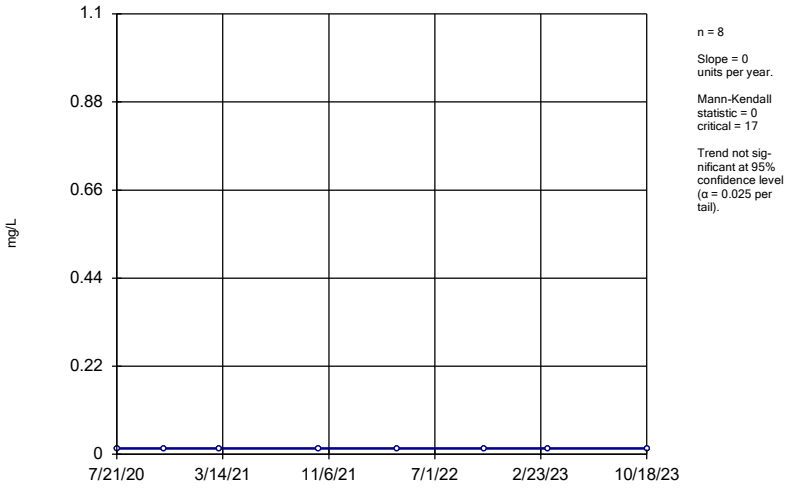
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-14 (bg)



n = 8

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 17

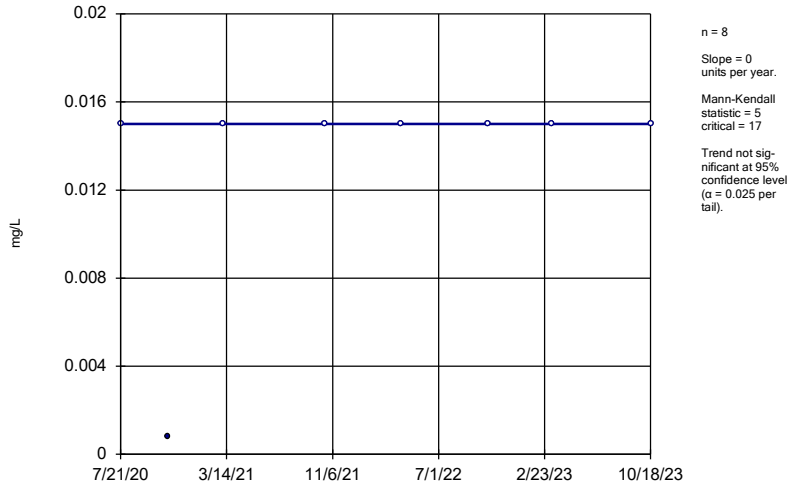
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-15 (bg)



n = 8

Slope = 0 units per year.

Mann-Kendall statistic = 5
critical = 17

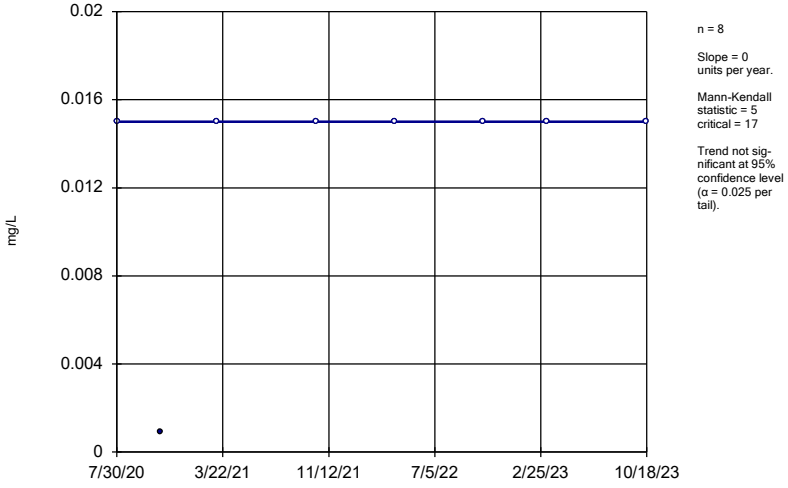
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-16 (bg)



n = 8

Slope = 0 units per year.

Mann-Kendall statistic = 5
critical = 17

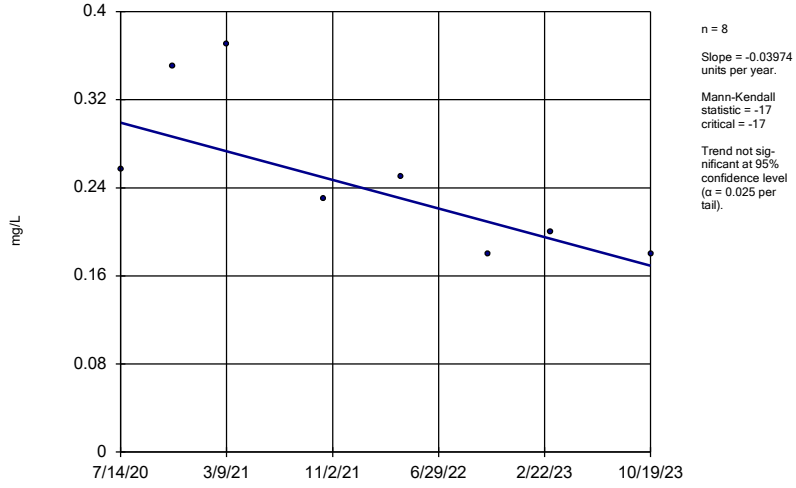
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.15 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

APMW-4D



n = 8

Slope = -0.03974 units per year.

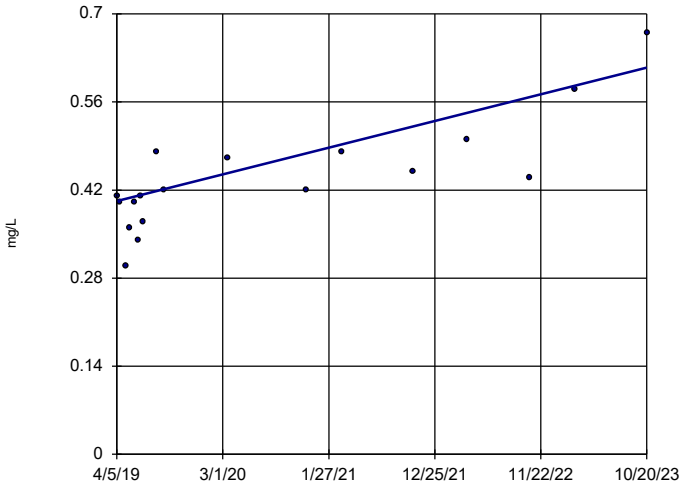
Mann-Kendall statistic = -17
critical = -17

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sen's Slope Estimator

APMW-6R



n = 18

Slope = 0.04663 units per year.

Mann-Kendall statistic = 97
critical = 53

Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 12/6/2023 11:13 AM View: Appendix IV - Trend Tests

Plant Watson Data: Plant Watson AP CCR

2nd
Semi-Annual
Monitoring Event

GROUNDWATER STATS CONSULTING

August 1, 2024

Southern Company Services
Attn: Mr. Trey Singleton
3535 Colonnade Parkway
Birmingham, AL 35243

Re: Plant Watson Ash Pond
Statistical Analysis – March 2024

Dear Mr. Singleton,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the statistical analysis of data for the March 2024 sample event for Mississippi Power Company's Plant Watson Ash Pond. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals (CCR) from Electric Utilities (CCR Rule, 2015) and follows the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Data were sent electronically and the analysis was reviewed by Andrew Collins, Project Manager for Groundwater Stats Consulting.

The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient wells:** APMW-11, APMW-12, APMW-13, APMW-14, APMW-15, and APMW-16
- **Downgradient wells:** APMW-1R, APMW-2, APMW-3, APMW-4, APMW-5, APMW-6R, APMW-7, APMW-8, APMW-9, APMW-10
- **Delineation wells:** APMW-2D, APMW-3D, APMW-4D, APMW-5D, APMW-6D, APMW-8D, and APMW-10D

Sampling began for the CCR program in April 2018 for wells listed above with some exceptions. New background wells APMW-11 and APMW-12, and downgradient well APMW-1R (a replacement well for well APMW-1) were first sampled in March 2019. Sampling began in April 2019 for downgradient well APMW-6R (a replacement well for

APMW-6). New upgradient wells APMW-13, APMW-14, APMW-15, and APMW-16 along with delineation wells were first sampled in July 2020.

Note that all data from upgradient wells are incorporated into the interwell statistical limits. Additionally, data for wells APMW-1R and APMW-6R were combined with their corresponding wells APMW-1 and APMW-6, respectively.

Delineation wells are analyzed using confidence intervals for Appendix IV constituents when a minimum of 8 samples are available and, currently, all delineation wells have sufficient samples. Data from all the delineation wells are plotted on the time series graphs and box plots.

The CCR program consists of the following constituents:

- **Appendix III** (Detection Monitoring) **-** boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **Appendix IV** (Assessment Monitoring) **–** antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, combined radium 226 + 228, fluoride, lead, lithium, mercury, molybdenum, selenium, and thallium

Time series plots and box plots are included for all constituents at all wells (Figures A and B, respectively). The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and between all wells. Note that due to varying reporting limits during the previous event, historical reporting limits were substituted for the following constituents:

- Arsenic – 0.005 mg/L
- Chromium – 0.002 mg/L
- Cobalt – 0.0025 mg/L

Summary of Background Screening – Conducted in April 2019

Data at upgradient and downgradient wells were evaluated in during the background screening conducted in April 2019 for the following: 1) outliers; 2) trends; 3) most appropriate statistical method for Appendix III parameters based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended. Interwell prediction limits were selected as the most appropriate statistical method to evaluate the Appendix III parameters at this site. Power curves were submitted at that time and demonstrated that the selected statistical methods for Appendix III parameters comply with the USEPA Unified Guidance.

The EPA suggests the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations.

During the background screening conducted in April 2019, Tukey's box plot method was used to screen for outliers and the findings were submitted at that time. When any values are flagged in the database as outliers, they are plotted in a disconnected and lighter symbol on the time series graph and the accompanying data pages display the flagged value in a lighter font.

Summary of Statistical Methods

Parametric prediction limits are utilized when the screened historical data follow a normal or transformed-normal distribution. The confidence levels associated with parametric prediction limits are based on an overall false positive rate of 5%. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized where the highest background value is used to establish the upper prediction limit (and lowest value in the case of pH). The associated confidence level is dependent on the number of available background, future comparisons, and resample plan. The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. After testing for normality and performing any adjustments as discussed below (USEPA Unified Guidance, 2009), data are analyzed using either parametric or non-parametric prediction limits.

- No statistical analyses are required on wells and analytes containing 100% non-detects.
- When data contain <15% non-detects, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the most recent practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% non-detects, the Kaplan-Meier non-detect adjustment is applied to the background data for parametric limits. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% non-detects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after careful screening for any new outliers.

While this was not required for this report, in some cases, deselecting the earlier portion of data may be necessary prior to construction of limits so that resulting statistical limits are conservative (lower) from a regulatory perspective and capable of rapidly detecting changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

Evaluation of Appendix III Parameters – March 2024

Background (upgradient) well data were screened for potential outliers using time series plots during this analysis. During a previous analysis, the highest sulfate value in upgradient well APMW-13 was flagged as an outlier since remaining measurements in this well and neighboring upgradient wells are considerably lower. This step results in more conservative (i.e., lower) limits from a regulatory perspective. No additional outliers were identified or flagged during this analysis. A summary of previously flagged values follows this letter (Figure C).

The time series plots were also used to identify variation among data in upgradient wells. It was noted that concentrations for boron, calcium, chloride, sulfate, and TDS across the new upgradient wells are similar, but significantly higher than those observed in the existing upgradient wells. Further studies beyond the scope of this analysis would be needed to fully understand the groundwater population upgradient of the ash pond, and the appropriateness of pooling all upgradient well data for construction of prediction limits. The assumption at this time, however, is that pooling all upgradient well data results in statistical limits that are representative of the entire background population and serve to balance the false positive risk (identifying a problem in a downgradient well when none exists) with the false negative risk (not identifying impacts when present in a downgradient well).

Interwell Prediction Limits

Interwell prediction limits, combined with a 1-of-2 resample plan, were constructed for all Appendix III constituents--boron, calcium, chloride, fluoride, pH, sulfate, and TDS--using pooled upgradient well data through March 2024 to develop background limits (Figure D). The March 2024 observation at each downgradient well was compared to its respective background limit during this analysis. Note that due to varying detection limits from laboratory dilution for fluoride, the most recent reporting limit of 0.2 mg/L was used for all wells.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance

is confirmed. When the resample confirms the initial exceedance, a statistically significant increase (SSI) is identified, and further research would be required to identify the cause of the exceedance (i.e., impact from the site, natural variation, or an off-site source). If a resample falls within the statistical limit, the initial exceedance is considered to be a false positive result and, therefore, no further action is necessary.

Summary tables of the prediction limit findings follow this letter. When the March 2024 samples from downgradient wells were evaluated using interwell prediction limits, exceedances were identified for the following well/constituent pairs:

- Boron: APMW-1R, APMW-2, APMW-3, APMW-5, APMW-6R, APMW-7, APMW-8, APMW-9, and APMW-10
- Calcium: APMW-1R, APMW-2, APMW-3, APMW-5, APMW-6R, APMW-8, and APMW-9
- Chloride: APMW-3 and APMW-5
- Fluoride: APMW-10
- pH: APMW-8 and APMW-10 (both upper limits)
- Sulfate: APMW-3
- TDS: APMW-3 and APMW-5

Trend Tests

The Sen's Slope/Mann Kendall trend test was performed at the 99% confidence level on wells/constituent pairs with prediction limit exceedances (Figure E) to evaluate if data are increasing, decreasing, or stable. Upgradient wells were included in this analysis for a general comparison of how the groundwater behaves upgradient of the facility relative to downgradient. A summary of these findings follows this letter. When the entire record of data was evaluated, the following statistically significant trends were identified:

Increasing:

- Boron: APMW-10 and APMW-6R
- Calcium: APMW-1R
- pH: APMW-10

Decreasing:

- Boron: APMW-2
- Calcium: APMW-15 (upgradient)
- Chloride: APMW-3 and APMW-5
- pH: APMW-11 and APMW-12 (both upgradient)
- Sulfate: APMW-3

Evaluation of Appendix IV Parameters – March 2024

For analysis of Appendix IV parameters, confidence intervals for each downgradient well/constituent pair were compared against corresponding Groundwater Protection Standards (GWPS). GWPS were developed as described below. Well/constituent pairs that contain 100% non-detects do not require analysis and a list of 100% non-detect downgradient well/constituent pairs follows this report. Data from background (upgradient) wells for Appendix IV parameters are reassessed for outliers during each analysis. No additional outliers were flagged and a summary of flagged outliers follows this report. As mentioned above, due to varying detection limits from laboratory dilution for fluoride, the most recent reporting limit of 0.2 mg/L was used for all wells.

Interwell Upper Tolerance Limits

Parametric upper tolerance limits (UTLs) were used to calculate background limits, when data followed a normal distribution, from pooled upgradient well data for Appendix IV parameters with a target of 95% confidence and 95% coverage to determine the background limits (Figure F). When data did not follow a normal or transformed-normal distribution, nonparametric upper tolerance limits were constructed and the confidence and coverage levels are dependent upon the number of background samples.

Groundwater Protection Standards

UTLs were compared to the Maximum Contaminant Levels (MCs) and CCR-Rule Specified Levels in the GWPS table following this letter to determine the highest limit for use as the Groundwater Protection Standard (GWPS) in the Confidence Interval comparisons (Figure G).

Confidence Intervals

Confidence intervals were then constructed on downgradient wells for each of the Appendix IV parameters using the highest limit of either the MCL, CCR-Rule Specified level, or background as discussed above (Figure H). These intervals were constructed as either parametric or nonparametric confidence intervals depending on the data distribution and percentage of non-detects. When data followed a normal or transformed-normal distribution, parametric confidence intervals were used for Appendix IV parameters. Nonparametric confidence intervals were constructed when data did not follow a normal or transformed-normal distribution or when there were greater than 50% non-detects. The lower confidence limit, which is constructed with 99% confidence for parametric confidence intervals, is compared to the GWPS prepared as

described above. The confidence level associated with nonparametric confidence intervals is dependent upon the number samples available.

As mentioned, well/constituent pairs containing 100% non-detects did not require statistics; therefore, they were deselected prior to construction of confidence intervals. Each confidence interval was compared with the corresponding GWPS. Only when the entire confidence interval is above a GWPS is the well/constituent pair considered to exceed its respective standard. Exceedances were identified for the following well/constituent pairs:

- Arsenic: APMW-3, APMW-5, APMW-5D, APMW-6R, APMW-8, and APMW-10
- Barium: APMW-2
- Combined Radium 226 + 228: APMW-1R, APMW-2, APMW-4D, and APMW-9
- Lithium: APMW-3, APMW-4, APMW-4D, APMW-6R, and APMW-8
- Molybdenum: APMW-4D and APMW-6R

Trend Tests

When confidence interval exceedances are identified in downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are statistically increasing, decreasing, or stable at the 95% confidence level (Figure I). Utilizing the 95% confidence level for trend tests readily identifies significant trends and is more sensitive than the 99% confidence level without drastically increasing the false negative rate. Upgradient wells are included in the trend analyses for all parameters found to exceed their confidence interval in downgradient wells. When similar patterns exist upgradient of the site, it is an indication of variability in groundwater which may be unrelated to practices at the site. Statistically significant trends were identified for the following well/constituent pairs:

Increasing:

- Arsenic: APMW-5D and APMW-6R
- Barium: APMW-2
- Combined Radium 226 + 228: APMW-1R and APMW-9
- Lithium: APMW-12 (upgradient)
- Molybdenum: APMW-6R

Decreasing:

- Arsenic: APMW-8 and APMW-10
- Barium: APMW-11, APMW-12, and APMW-15 (all upgradient)
- Lithium: APMW-3, APMW-4, and APMW-8
- Molybdenum: APMW-4D

A summary of all results follows this letter. Note that Southern Company Services, reportedly, submitted an Alternate Source Demonstration (ASD) for barium and combined radium 226 + 228 confidence interval exceedances.

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Watson Ash Pond. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,

Abdul Diane
Groundwater Analyst

Andrew T. Collins
Project Manager

100% Non-Detects: Appendix IV Downgradient

Analysis Run 5/9/2024 2:05 PM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

Antimony (mg/L)
APMW-10, APMW-1R, APMW-2D, APMW-3D, APMW-4, APMW-4D, APMW-5, APMW-5D, APMW-6R, APMW-7, APMW-8D, APMW-9

Beryllium (mg/L)
APMW-2D, APMW-3D, APMW-4, APMW-4D, APMW-5, APMW-5D, APMW-6D, APMW-8D

Cadmium (mg/L)
APMW-2, APMW-2D, APMW-3, APMW-3D, APMW-4, APMW-4D, APMW-5, APMW-5D, APMW-6D, APMW-7, APMW-8, APMW-8D, APMW-9

Chromium (mg/L)
APMW-10, APMW-10D, APMW-2, APMW-3D, APMW-6D, APMW-6R, APMW-8D, APMW-9

Cobalt (mg/L)
APMW-2, APMW-2D, APMW-8

Lead (mg/L)
APMW-1R, APMW-3D, APMW-6D, APMW-8D

Mercury (mg/L)
APMW-10D, APMW-2, APMW-2D, APMW-3, APMW-3D, APMW-4, APMW-4D, APMW-5D, APMW-6D, APMW-6R, APMW-8D

Molybdenum (mg/L)
APMW-1R

Selenium (mg/L)
APMW-10D, APMW-1R, APMW-2D, APMW-4D, APMW-5D, APMW-6D, APMW-6R, APMW-8D

Thallium (mg/L)
APMW-2D, APMW-3D, APMW-4, APMW-4D, APMW-5, APMW-5D, APMW-6D, APMW-6R, APMW-7, APMW-8D

Appendix III - Interwell Prediction Limits - Significant Results

Plant Watson Data: Plant Watson AP CCR Printed 5/9/2024, 1:28 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	APMW-10	1.2	n/a	3/29/2024	2.4	Yes	72	n/a	n/a	20.83	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-1R	1.2	n/a	3/25/2024	6.7	Yes	72	n/a	n/a	20.83	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-2	1.2	n/a	3/25/2024	3.7	Yes	72	n/a	n/a	20.83	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-3	1.2	n/a	3/25/2024	5.5	Yes	72	n/a	n/a	20.83	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-5	1.2	n/a	3/26/2024	6.3	Yes	72	n/a	n/a	20.83	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-6R	1.2	n/a	3/26/2024	13	Yes	72	n/a	n/a	20.83	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-7	1.2	n/a	3/26/2024	1.3	Yes	72	n/a	n/a	20.83	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-8	1.2	n/a	3/28/2024	21	Yes	72	n/a	n/a	20.83	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-9	1.2	n/a	3/28/2024	7.8	Yes	72	n/a	n/a	20.83	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-1R	130	n/a	3/25/2024	200	Yes	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-2	130	n/a	3/25/2024	360	Yes	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-3	130	n/a	3/25/2024	290	Yes	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-5	130	n/a	3/26/2024	250	Yes	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-6R	130	n/a	3/26/2024	340	Yes	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-8	130	n/a	3/28/2024	520	Yes	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-9	130	n/a	3/28/2024	290	Yes	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-3	5400	n/a	3/25/2024	9400	Yes	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-5	5400	n/a	3/26/2024	7100	Yes	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-10	0.54	n/a	3/29/2024	0.75	Yes	74	n/a	n/a	21.62	n/a	n/a	0.0003496	NP Inter (normality) 1 of 2
pH (SU)	APMW-10	6.737	5.829	3/29/2024	6.83	Yes	73	6.283	0.2277	0	None	No	0.0003761	Param Inter 1 of 2
pH (SU)	APMW-8	6.737	5.829	3/28/2024	6.78	Yes	73	6.283	0.2277	0	None	No	0.0003761	Param Inter 1 of 2
Sulfate (mg/L)	APMW-3	890	n/a	3/25/2024	980	Yes	71	n/a	n/a	12.68	n/a	n/a	0.0003759	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-3	9200	n/a	3/25/2024	16000	Yes	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-5	9200	n/a	3/26/2024	12000	Yes	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2

Appendix III - Interwell Prediction Limits - All Results

Plant Watson Data: Plant Watson AP CCR Printed 5/9/2024, 1:28 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	**APMW-10**	**1.2**	**n/a**	**3/29/2024**	**2.4**	**Yes**	**72**	**n/a**	**n/a**	**20.83**	**n/a**	**n/a**	**0.0003671**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**APMW-1R**	**1.2**	**n/a**	**3/25/2024**	**6.7**	**Yes**	**72**	**n/a**	**n/a**	**20.83**	**n/a**	**n/a**	**0.0003671**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**APMW-2**	**1.2**	**n/a**	**3/25/2024**	**3.7**	**Yes**	**72**	**n/a**	**n/a**	**20.83**	**n/a**	**n/a**	**0.0003671**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**APMW-3**	**1.2**	**n/a**	**3/25/2024**	**5.5**	**Yes**	**72**	**n/a**	**n/a**	**20.83**	**n/a**	**n/a**	**0.0003671**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	APMW-4	1.2	n/a	3/26/2024	0.92	No	72	n/a	n/a	20.83	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Boron (mg/L)	**APMW-5**	**1.2**	**n/a**	**3/26/2024**	**6.3**	**Yes**	**72**	**n/a**	**n/a**	**20.83**	**n/a**	**n/a**	**0.0003671**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**APMW-6R**	**1.2**	**n/a**	**3/26/2024**	**13**	**Yes**	**72**	**n/a**	**n/a**	**20.83**	**n/a**	**n/a**	**0.0003671**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**APMW-7**	**1.2**	**n/a**	**3/26/2024**	**1.3**	**Yes**	**72**	**n/a**	**n/a**	**20.83**	**n/a**	**n/a**	**0.0003671**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**APMW-8**	**1.2**	**n/a**	**3/28/2024**	**21**	**Yes**	**72**	**n/a**	**n/a**	**20.83**	**n/a**	**n/a**	**0.0003671**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**APMW-9**	**1.2**	**n/a**	**3/28/2024**	**7.8**	**Yes**	**72**	**n/a**	**n/a**	**20.83**	**n/a**	**n/a**	**0.0003671**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	APMW-10	130	n/a	3/29/2024	45	No	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Calcium (mg/L)	**APMW-1R**	**130**	**n/a**	**3/25/2024**	**200**	**Yes**	**72**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003671**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-2**	**130**	**n/a**	**3/25/2024**	**360**	**Yes**	**72**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003671**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-3**	**130**	**n/a**	**3/25/2024**	**290**	**Yes**	**72**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003671**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	APMW-4	130	n/a	3/26/2024	96	No	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Calcium (mg/L)	**APMW-5**	**130**	**n/a**	**3/26/2024**	**250**	**Yes**	**72**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003671**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-6R**	**130**	**n/a**	**3/26/2024**	**340**	**Yes**	**72**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003671**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	APMW-7	130	n/a	3/26/2024	100	No	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Calcium (mg/L)	**APMW-8**	**130**	**n/a**	**3/28/2024**	**520**	**Yes**	**72**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003671**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-9**	**130**	**n/a**	**3/28/2024**	**290**	**Yes**	**72**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003671**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	APMW-10	5400	n/a	3/29/2024	570	No	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-1R	5400	n/a	3/25/2024	2500	No	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-2	5400	n/a	3/25/2024	2500	No	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Chloride (mg/L)	**APMW-3**	**5400**	**n/a**	**3/25/2024**	**9400**	**Yes**	**72**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003671**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	APMW-4	5400	n/a	3/26/2024	2100	No	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Chloride (mg/L)	**APMW-5**	**5400**	**n/a**	**3/26/2024**	**7100**	**Yes**	**72**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003671**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	APMW-6R	5400	n/a	3/26/2024	3500	No	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-7	5400	n/a	3/26/2024	4100	No	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-8	5400	n/a	3/28/2024	3600	No	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-9	5400	n/a	3/28/2024	2800	No	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Fluoride (mg/L)	**APMW-10**	**0.54**	**n/a**	**3/29/2024**	**0.75**	**Yes**	**74**	**n/a**	**n/a**	**21.62**	**n/a**	**n/a**	**0.0003496**	**NP Inter (normality) 1 of 2**
Fluoride (mg/L)	APMW-1R	0.54	n/a	3/25/2024	0.16J	No	74	n/a	n/a	21.62	n/a	n/a	0.0003496	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-2	0.54	n/a	3/25/2024	0.082J	No	74	n/a	n/a	21.62	n/a	n/a	0.0003496	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-3	0.54	n/a	3/25/2024	0.39J	No	74	n/a	n/a	21.62	n/a	n/a	0.0003496	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-4	0.54	n/a	3/26/2024	0.44J	No	74	n/a	n/a	21.62	n/a	n/a	0.0003496	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-5	0.54	n/a	3/26/2024	0.28J	No	74	n/a	n/a	21.62	n/a	n/a	0.0003496	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-6R	0.54	n/a	3/26/2024	0.2ND	No	74	n/a	n/a	21.62	n/a	n/a	0.0003496	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-7	0.54	n/a	3/26/2024	0.13J	No	74	n/a	n/a	21.62	n/a	n/a	0.0003496	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-8	0.54	n/a	3/28/2024	0.97J	No	74	n/a	n/a	21.62	n/a	n/a	0.0003496	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-9	0.54	n/a	3/28/2024	0.13J	No	74	n/a	n/a	21.62	n/a	n/a	0.0003496	NP Inter (normality) 1 of 2
pH (SU)	**APMW-10**	**6.737**	**5.829**	**3/29/2024**	**6.83**	**Yes**	**73**	**6.283**	**0.2277**	**0**	**None**	**No**	**0.0003761**	**Param Inter 1 of 2**
pH (SU)	APMW-1R	6.737	5.829	3/25/2024	6.34	No	73	6.283	0.2277	0	None	No	0.0003761	Param Inter 1 of 2
pH (SU)	APMW-2	6.737	5.829	3/25/2024	5.86	No	73	6.283	0.2277	0	None	No	0.0003761	Param Inter 1 of 2
pH (SU)	APMW-3	6.737	5.829	3/25/2024	6.55	No	73	6.283	0.2277	0	None	No	0.0003761	Param Inter 1 of 2
pH (SU)	APMW-4	6.737	5.829	3/26/2024	6.33	No	73	6.283	0.2277	0	None	No	0.0003761	Param Inter 1 of 2
pH (SU)	APMW-5	6.737	5.829	3/26/2024	6.34	No	73	6.283	0.2277	0	None	No	0.0003761	Param Inter 1 of 2
pH (SU)	APMW-6R	6.737	5.829	3/26/2024	6.12	No	73	6.283	0.2277	0	None	No	0.0003761	Param Inter 1 of 2
pH (SU)	APMW-7	6.737	5.829	3/26/2024	6.42	No	73	6.283	0.2277	0	None	No	0.0003761	Param Inter 1 of 2
pH (SU)	**APMW-8**	**6.737**	**5.829**	**3/28/2024**	**6.78**	**Yes**	**73**	**6.283**	**0.2277**	**0**	**None**	**No**	**0.0003761**	**Param Inter 1 of 2**
pH (SU)	APMW-9	6.737	5.829	3/28/2024	6.3	No	73	6.283	0.2277	0	None	No	0.0003761	Param Inter 1 of 2
Sulfate (mg/L)	APMW-10	890	n/a	3/29/2024	0.5ND	No	71	n/a	n/a	12.68	n/a	n/a	0.0003759	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-1R	890	n/a	3/25/2024	6.3	No	71	n/a	n/a	12.68	n/a	n/a	0.0003759	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-2	890	n/a	3/25/2024	6	No	71	n/a	n/a	12.68	n/a	n/a	0.0003759	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**APMW-3**	**890**	**n/a**	**3/25/2024**	**980**	**Yes**	**71**	**n/a**	**n/a**	**12.68**	**n/a**	**n/a**	**0.0003759**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	APMW-4	890	n/a	3/26/2024	170	No	71	n/a	n/a	12.68	n/a	n/a	0.0003759	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-5	890	n/a	3/26/2024	610	No	71	n/a	n/a	12.68	n/a	n/a	0.0003759	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-6R	890	n/a	3/26/2024	770	No	71	n/a	n/a	12.68	n/a	n/a	0.0003759	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-7	890	n/a	3/26/2024	100	No	71	n/a	n/a	12.68	n/a	n/a	0.0003759	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-8	890	n/a	3/28/2024	630	No	71	n/a	n/a	12.68	n/a	n/a	0.0003759	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-9	890	n/a	3/28/2024	170	No	71	n/a	n/a	12.68	n/a	n/a	0.0003759	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-10	9200	n/a	3/29/2024	1400	No	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-1R	9200	n/a	3/25/2024	4600	No	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-2	9200	n/a	3/25/2024	4000	No	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**APMW-3**	**9200**	**n/a**	**3/25/2024**	**16000**	**Yes**	**72**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003671**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	APMW-4	9200	n/a	3/26/2024	3900	No	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**APMW-5**	**9200**	**n/a**	**3/26/2024**	**12000**	**Yes**	**72**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003671**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	APMW-6R	9200	n/a	3/26/2024	7300	No	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-7	9200	n/a	3/26/2024	7600	No	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2

Appendix III - Interwell Prediction Limits - All Results

Plant Watson Data: Plant Watson AP CCR Printed 5/9/2024, 1:28 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Total Dissolved Solids (mg/L)	APMW-8	9200	n/a	3/28/2024	7600	No	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-9	9200	n/a	3/28/2024	5100	No	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2

Appendix III - Trend Test Summary - Significant Results

Plant Watson Data: Plant Watson AP CCR Printed 5/9/2024, 1:32 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**APMW-10**	**0.08753**	**82**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**APMW-2**	**-0.1121**	**-84**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**APMW-6R**	**0.4948**	**81**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**APMW-15 (bg)**	**-5.314**	**-30**	**-25**	**Yes**	**9**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**APMW-1R**	**15.07**	**79**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**APMW-3**	**-365.4**	**-111**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**APMW-5**	**-188.6**	**-75**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	**APMW-10**	**0.05188**	**85**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	**APMW-11 (bg)**	**-0.1108**	**-123**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	**APMW-12 (bg)**	**-0.06322**	**-76**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**APMW-3**	**-34.76**	**-94**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III - Trend Test Summary - All Results

Plant Watson Data: Plant Watson AP CCR Printed 5/9/2024, 1:32 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**APMW-10**	**0.08753**	**82**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	APMW-11 (bg)	0	27	68	No	18	50	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-12 (bg)	0.007441	53	68	No	18	33.33	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-13 (bg)	-0.01043	-5	-25	No	9	0	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-14 (bg)	0.007122	1	25	No	9	0	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-15 (bg)	0.035	14	25	No	9	0	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-16 (bg)	0.03143	5	25	No	9	0	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-1R	0.3153	37	68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	**APMW-2**	**-0.1121**	**-84**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	APMW-3	0.08207	41	74	No	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-5	-0.04946	-26	-74	No	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	**APMW-6R**	**0.4948**	**81**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	APMW-7	0.03202	31	74	No	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-8	0	-21	-74	No	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-9	0.02536	11	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-11 (bg)	-0.9007	-64	-68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-12 (bg)	-0.2252	-56	-68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-13 (bg)	-2.036	-9	-25	No	9	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-14 (bg)	0	3	25	No	9	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**APMW-15 (bg)**	**-5.314**	**-30**	**-25**	**Yes**	**9**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	APMW-16 (bg)	-7.174	-11	-25	No	9	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**APMW-1R**	**15.07**	**79**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	APMW-2	4.029	29	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-3	-3.188	-30	-74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-5	-6.716	-61	-74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-6R	-14.98	-49	-68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-8	0	-8	-74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-9	-3.224	-40	-74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	APMW-11 (bg)	-0.06547	-20	-68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	APMW-12 (bg)	-0.2018	-48	-68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	APMW-13 (bg)	-104.3	-20	-25	No	9	0	n/a	n/a	0.01	NP
Chloride (mg/L)	APMW-14 (bg)	-4.451	-2	-25	No	9	0	n/a	n/a	0.01	NP
Chloride (mg/L)	APMW-15 (bg)	-79.39	-16	-25	No	9	0	n/a	n/a	0.01	NP
Chloride (mg/L)	APMW-16 (bg)	-34.7	-2	-25	No	9	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**APMW-3**	**-365.4**	**-111**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**APMW-5**	**-188.6**	**-75**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	APMW-10	-0.007055	-12	-81	No	20	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	APMW-11 (bg)	0	-3	-74	No	19	36.84	n/a	n/a	0.01	NP
Fluoride (mg/L)	APMW-12 (bg)	-0.001308	-8	-74	No	19	10.53	n/a	n/a	0.01	NP
Fluoride (mg/L)	APMW-13 (bg)	-0.01245	-4	-25	No	9	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	APMW-14 (bg)	0	0	25	No	9	55.56	n/a	n/a	0.01	NP
Fluoride (mg/L)	APMW-15 (bg)	0.003383	1	25	No	9	11.11	n/a	n/a	0.01	NP
Fluoride (mg/L)	APMW-16 (bg)	0.02155	2	25	No	9	11.11	n/a	n/a	0.01	NP
pH (SU)	**APMW-10**	**0.05188**	**85**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	**APMW-11 (bg)**	**-0.1108**	**-123**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	**APMW-12 (bg)**	**-0.06322**	**-76**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	APMW-13 (bg)	0.01128	6	25	No	9	0	n/a	n/a	0.01	NP
pH (SU)	APMW-14 (bg)	0.006908	3	25	No	9	0	n/a	n/a	0.01	NP
pH (SU)	APMW-15 (bg)	-0.01208	-8	-25	No	9	0	n/a	n/a	0.01	NP
pH (SU)	APMW-16 (bg)	-0.01951	-4	-25	No	9	0	n/a	n/a	0.01	NP
pH (SU)	APMW-8	0.00115	14	81	No	20	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	APMW-11 (bg)	-0.03959	-24	-68	No	18	27.78	n/a	n/a	0.01	NP
Sulfate (mg/L)	APMW-12 (bg)	-0.05901	-53	-68	No	18	22.22	n/a	n/a	0.01	NP
Sulfate (mg/L)	APMW-13 (bg)	19.35	11	21	No	8	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	APMW-14 (bg)	40.14	14	25	No	9	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	APMW-15 (bg)	-3.506	-3	-25	No	9	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	APMW-16 (bg)	12.81	10	25	No	9	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**APMW-3**	**-34.76**	**-94**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	APMW-11 (bg)	-4.501	-49	-68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-12 (bg)	-3.421	-38	-68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-13 (bg)	-69.86	-13	-25	No	9	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-14 (bg)	-152.5	-10	-25	No	9	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-15 (bg)	-195.6	-25	-25	No	9	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-16 (bg)	-61.28	-4	-25	No	9	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-3	-205.2	-25	-74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-5	-321	-50	-74	No	19	0	n/a	n/a	0.01	NP

Upper Tolerance Limits Summary Table

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 5/10/2024, 12:27 PM

Constituent	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	0.002	n/a	n/a	n/a	n/a	74	98.65	n/a	0.02247	NP Inter(NDs)
Arsenic (mg/L)	0.005	n/a	n/a	n/a	n/a	74	43.24	n/a	0.02247	NP Inter(normality)
Barium (mg/L)	0.25	n/a	n/a	n/a	n/a	74	0	n/a	0.02247	NP Inter(normality)
Beryllium (mg/L)	0.0025	n/a	n/a	n/a	n/a	74	95.95	n/a	0.02247	NP Inter(NDs)
Cadmium (mg/L)	0.0025	n/a	n/a	n/a	n/a	74	98.65	n/a	0.02247	NP Inter(NDs)
Chromium (mg/L)	0.0044	n/a	n/a	n/a	n/a	70	85.71	n/a	0.02758	NP Inter(NDs)
Cobalt (mg/L)	0.0025	n/a	n/a	n/a	n/a	74	89.19	n/a	0.02247	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	5.863	n/a	n/a	n/a	n/a	74	2.703	x^(1/3)	0.05	Inter
Fluoride (mg/L)	0.54	n/a	n/a	n/a	n/a	74	21.62	n/a	0.02247	NP Inter(normality)
Lead (mg/L)	0.001	n/a	n/a	n/a	n/a	74	97.3	n/a	0.02247	NP Inter(NDs)
Lithium (mg/L)	0.02285	n/a	n/a	n/a	n/a	74	6.757	sqrt(x)	0.05	Inter
Mercury (mg/L)	0.0002	n/a	n/a	n/a	n/a	70	97.14	n/a	0.02758	NP Inter(NDs)
Molybdenum (mg/L)	0.015	n/a	n/a	n/a	n/a	74	97.3	n/a	0.02247	NP Inter(NDs)
Selenium (mg/L)	0.005	n/a	n/a	n/a	n/a	74	100	n/a	0.02247	NP Inter(NDs)
Thallium (mg/L)	0.001	n/a	n/a	n/a	n/a	74	97.3	n/a	0.02247	NP Inter(NDs)

PLANT WATSON AP CCR GWPS TABLE				
Constituent Name	**MCL**	**CCR Rule-Specified**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.002	0.006
Arsenic, Total (mg/L)	0.01		0.005	0.01
Barium, Total (mg/L)	2		0.25	2
Beryllium, Total (mg/L)	0.004		0.0025	0.004
Cadmium, Total (mg/L)	0.005		0.0025	0.005
Chromium, Total (mg/L)	0.1		0.0044	0.1
Cobalt, Total (mg/L)		0.006	0.0025	0.006
Combined Radium, Total (pCi/L)	5		5.86	5.86
Fluoride, Total (mg/L)	4		0.54	4
Lead, Total (mg/L)		0.015	0.001	0.015
Lithium, Total (mg/L)		0.04	0.023	0.04
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)		0.1	0.015	0.1
Selenium, Total (mg/L)	0.05		0.005	0.05
Thallium, Total (mg/L)	0.002		0.001	0.002

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residuals*

**GWPS = Groundwater Protection Standard*

**Grey cell indicates background limit is higher than CCR Rule Specified or MCL*

Confidence Intervals Summary Table - Significant Results

Plant Watson Data: Plant Watson AP CCR Printed 5/13/2024, 4:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	**APMW-10**	**0.12**	**0.037**	**0.01**	**Yes**	**19**	**0.0381**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Arsenic (mg/L)	**APMW-3**	**0.08001**	**0.06131**	**0.01**	**Yes**	**19**	**0.01597**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**APMW-5**	**0.2352**	**0.2111**	**0.01**	**Yes**	**19**	**0.02056**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**APMW-5D**	**0.0186**	**0.0113**	**0.01**	**Yes**	**9**	**0.003781**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**APMW-6R**	**0.209**	**0.1435**	**0.01**	**Yes**	**19**	**0.05588**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**APMW-8**	**0.0678**	**0.03223**	**0.01**	**Yes**	**19**	**0.02982**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Barium (mg/L)	**APMW-2**	**3.504**	**3.065**	**2**	**Yes**	**19**	**0.3746**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-1R**	**11.6**	**7.64**	**5.86**	**Yes**	**19**	**3.383**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-2**	**20.26**	**18.12**	**5.86**	**Yes**	**19**	**1.827**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-4D**	**9.32**	**7.233**	**5.86**	**Yes**	**9**	**1.081**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-9**	**8.92**	**6.71**	**5.86**	**Yes**	**19**	**0.929**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Lithium (mg/L)	**APMW-3**	**0.08258**	**0.07013**	**0.04**	**Yes**	**19**	**0.01111**	**0**	**None**	**x^(1/3)**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-4**	**0.05966**	**0.04787**	**0.04**	**Yes**	**19**	**0.01045**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-4D**	**0.0872**	**0.04795**	**0.04**	**Yes**	**9**	**0.02033**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-6R**	**0.05775**	**0.05314**	**0.04**	**Yes**	**19**	**0.003933**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-8**	**0.095**	**0.071**	**0.04**	**Yes**	**19**	**0.02299**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Molybdenum (mg/L)	**APMW-4D**	**0.314**	**0.1698**	**0.1**	**Yes**	**9**	**0.07471**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	**APMW-6R**	**0.5071**	**0.3916**	**0.1**	**Yes**	**19**	**0.1032**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**

Confidence Intervals Summary Table - All Results

Plant Watson Data: Plant Watson AP CCR Printed 5/13/2024, 4:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	APMW-10D	0.002	0.00053	0.006	No	9	0.00049	88.89	None	No	0.002	NP (NDs)
Antimony (mg/L)	APMW-2	0.002	0.0014	0.006	No	19	0.0001376	94.74	None	No	0.01	NP (NDs)
Antimony (mg/L)	APMW-3	0.002	0.00059	0.006	No	19	0.0003235	94.74	None	No	0.01	NP (NDs)
Antimony (mg/L)	APMW-6D	0.002	0.00075	0.006	No	9	0.0004167	88.89	None	No	0.002	NP (NDs)
Antimony (mg/L)	APMW-8	0.002	0.00066	0.006	No	19	0.0003074	94.74	None	No	0.01	NP (NDs)
Arsenic (mg/L)	**APMW-10**	**0.12**	**0.037**	**0.01**	**Yes**	**19**	**0.0381**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Arsenic (mg/L)	APMW-10D	0.01496	0.004928	0.01	No	9	0.005195	11.11	None	No	0.01	Param.
Arsenic (mg/L)	APMW-1R	0.001529	0.0006402	0.01	No	19	0.00157	15.79	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	APMW-2	0.005	0.0012	0.01	No	19	0.001759	78.95	Kaplan-Meier	No	0.01	NP (NDs)
Arsenic (mg/L)	APMW-2D	0.003438	0.002638	0.01	No	9	0.0004145	0	None	No	0.01	Param.
Arsenic (mg/L)	**APMW-3**	**0.08001**	**0.06131**	**0.01**	**Yes**	**19**	**0.01597**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	APMW-3D	0.003797	0.002625	0.01	No	9	0.0006071	0	None	No	0.01	Param.
Arsenic (mg/L)	APMW-4	0.018	0.0076	0.01	No	19	0.004784	0	None	No	0.01	NP (normality)
Arsenic (mg/L)	APMW-4D	0.005939	0.002957	0.01	No	9	0.001544	0	None	No	0.01	Param.
Arsenic (mg/L)	**APMW-5**	**0.2352**	**0.2111**	**0.01**	**Yes**	**19**	**0.02056**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**APMW-5D**	**0.0186**	**0.0113**	**0.01**	**Yes**	**9**	**0.003781**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	APMW-6D	0.00536	0.0038	0.01	No	9	0.0008075	0	None	No	0.01	Param.
Arsenic (mg/L)	**APMW-6R**	**0.209**	**0.1435**	**0.01**	**Yes**	**19**	**0.05588**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	APMW-7	0.0015	0.00048	0.01	No	19	0.0008336	0	None	No	0.01	NP (normality)
Arsenic (mg/L)	**APMW-8**	**0.0678**	**0.03223**	**0.01**	**Yes**	**19**	**0.02982**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Arsenic (mg/L)	APMW-8D	0.004022	0.001932	0.01	No	9	0.001083	0	None	No	0.01	Param.
Arsenic (mg/L)	APMW-9	0.001393	0.001175	0.01	No	19	0.0001864	0	None	No	0.01	Param.
Barium (mg/L)	APMW-10	0.3172	0.2522	2	No	19	0.05551	0	None	No	0.01	Param.
Barium (mg/L)	APMW-10D	0.03234	0.01993	2	No	9	0.008485	11.11	None	x^2	0.01	Param.
Barium (mg/L)	APMW-1R	1.6	0.93	2	No	19	0.3387	0	None	No	0.01	NP (normality)
Barium (mg/L)	**APMW-2**	**3.504**	**3.065**	**2**	**Yes**	**19**	**0.3746**	**0**	**None**	**No**	**0.01**	**Param.**
Barium (mg/L)	APMW-2D	0.068	0.037	2	No	9	0.01332	0	None	No	0.002	NP (normality)
Barium (mg/L)	APMW-3	0.11	0.097	2	No	19	0.009411	0	None	No	0.01	NP (normality)
Barium (mg/L)	APMW-3D	0.1845	0.1478	2	No	9	0.019	0	None	No	0.01	Param.
Barium (mg/L)	APMW-4	0.5	0.21	2	No	19	0.1453	0	None	No	0.01	NP (normality)
Barium (mg/L)	APMW-4D	0.342	0.082	2	No	9	0.09258	0	None	No	0.002	NP (normality)
Barium (mg/L)	APMW-5	0.1066	0.09735	2	No	19	0.007898	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	APMW-5D	0.06288	0.04377	2	No	9	0.009896	0	None	No	0.01	Param.
Barium (mg/L)	APMW-6D	0.1586	0.0801	2	No	9	0.04064	0	None	No	0.01	Param.
Barium (mg/L)	APMW-6R	0.06148	0.04988	2	No	19	0.009905	0	None	No	0.01	Param.
Barium (mg/L)	APMW-7	0.8248	0.6342	2	No	19	0.1628	0	None	No	0.01	Param.
Barium (mg/L)	APMW-8	0.24	0.21	2	No	19	0.02888	0	None	No	0.01	NP (normality)
Barium (mg/L)	APMW-8D	0.1553	0.08449	2	No	9	0.03666	0	None	No	0.01	Param.
Barium (mg/L)	APMW-9	0.5	0.42	2	No	19	0.05776	0	None	No	0.01	NP (normality)
Beryllium (mg/L)	APMW-10	0.0025	0.00076	0.004	No	19	0.0006032	89.47	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-10D	0.0025	0.00057	0.004	No	9	0.0006433	88.89	None	No	0.002	NP (NDs)
Beryllium (mg/L)	APMW-1R	0.0025	0.00019	0.004	No	19	0.00053	94.74	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-2	0.0025	0.00061	0.004	No	19	0.0009123	78.95	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-3	0.0025	0.00018	0.004	No	19	0.0005322	94.74	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-6R	0.0025	0.00036	0.004	No	19	0.0004909	94.74	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-7	0.0025	0.00025	0.004	No	19	0.0005162	94.74	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-8	0.0025	0.00038	0.004	No	19	0.0006812	89.47	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-9	0.0025	0.00049	0.004	No	19	0.000813	84.21	None	No	0.01	NP (NDs)
Cadmium (mg/L)	APMW-10	0.0025	0.00025	0.005	No	19	0.0005162	94.74	None	No	0.01	NP (NDs)
Cadmium (mg/L)	APMW-10D	0.0025	0.00025	0.005	No	9	0.00075	88.89	None	No	0.002	NP (NDs)
Cadmium (mg/L)	APMW-1R	0.0025	0.00045	0.005	No	19	0.0004703	94.74	None	No	0.01	NP (NDs)
Cadmium (mg/L)	APMW-6R	0.0025	0.00026	0.005	No	19	0.0007255	89.47	None	No	0.01	NP (NDs)
Chromium (mg/L)	APMW-1R	0.0032	0.002	0.1	No	17	0.000291	94.12	None	No	0.01	NP (NDs)
Chromium (mg/L)	APMW-2D	0.002	0.00157	0.1	No	9	0.0001433	88.89	None	No	0.002	NP (NDs)
Chromium (mg/L)	APMW-3	0.002	0.0014	0.1	No	17	0.0001455	94.12	None	No	0.01	NP (NDs)
Chromium (mg/L)	APMW-4	0.002125	0.001513	0.1	No	17	0.0004093	41.18	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	APMW-4D	0.0066	0.002	0.1	No	9	0.001533	88.89	Kaplan-Meier	No	0.002	NP (NDs)
Chromium (mg/L)	APMW-5	0.0024	0.0014	0.1	No	17	0.0003545	64.71	Kaplan-Meier	No	0.01	NP (NDs)
Chromium (mg/L)	APMW-5D	0.00378	0.0019	0.1	No	9	0.0005984	77.78	Kaplan-Meier	No	0.002	NP (NDs)
Chromium (mg/L)	APMW-7	0.0022	0.0014	0.1	No	17	0.0003018	58.82	Kaplan-Meier	No	0.01	NP (NDs)
Chromium (mg/L)	APMW-8	0.0032	0.0014	0.1	No	17	0.0003334	88.24	Kaplan-Meier	No	0.01	NP (NDs)
Cobalt (mg/L)	APMW-10	0.0025	0.00033	0.006	No	19	0.0008713	84.21	None	No	0.01	NP (NDs)
Cobalt (mg/L)	APMW-10D	0.0025	0.00028	0.006	No	9	0.00074	88.89	None	No	0.002	NP (NDs)
Cobalt (mg/L)	APMW-1R	0.0025	0.0004	0.006	No	19	0.001083	57.89	None	No	0.01	NP (NDs)
Cobalt (mg/L)	APMW-3	0.00303	0.002412	0.006	No	19	0.0005277	0	None	No	0.01	Param.
Cobalt (mg/L)	APMW-3D	0.0025	0.00021	0.006	No	9	0.0007633	88.89	None	No	0.002	NP (NDs)
Cobalt (mg/L)	APMW-4	0.003645	0.002965	0.006	No	19	0.0005807	0	None	No	0.01	Param.
Cobalt (mg/L)	APMW-4D	0.006853	0.003194	0.006	No	9	0.001895	0	None	No	0.01	Param.

Confidence Intervals Summary Table - All Results

Plant Watson Data: Plant Watson AP CCR Printed 5/13/2024, 4:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	APMW-5	0.0025	0.000079	0.006	No	19	0.000764	89.47	None	No	0.01	NP (NDs)
Cobalt (mg/L)	APMW-5D	0.0011	0.00027	0.006	No	9	0.0002742	0	None	No	0.002	NP (normality)
Cobalt (mg/L)	APMW-6D	0.0025	0.00021	0.006	No	9	0.0007633	88.89	None	No	0.002	NP (NDs)
Cobalt (mg/L)	APMW-6R	0.003417	0.002235	0.006	No	19	0.001009	0	None	No	0.01	Param.
Cobalt (mg/L)	APMW-7	0.0025	0.00025	0.006	No	19	0.001138	52.63	None	No	0.01	NP (NDs)
Cobalt (mg/L)	APMW-8D	0.0025	0.00121	0.006	No	9	0.00043	88.89	None	No	0.002	NP (NDs)
Cobalt (mg/L)	APMW-9	0.0025	0.000089	0.006	No	19	0.000761	89.47	None	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	APMW-10	3.429	2.673	5.86	No	19	0.645	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-10D	0.7653	0.1647	5.86	No	9	0.311	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**APMW-1R**	**11.6**	**7.64**	**5.86**	**Yes**	**19**	**3.383**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-2**	**20.26**	**18.12**	**5.86**	**Yes**	**19**	**1.827**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	APMW-2D	0.9064	0.008157	5.86	No	9	0.5505	0	None	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-3	6.862	5.624	5.86	No	19	1.154	0	None	x^2	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-3D	1.132	0.5469	5.86	No	9	0.3333	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-4	2.453	1.817	5.86	No	19	0.5435	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**APMW-4D**	**9.32**	**7.233**	**5.86**	**Yes**	**9**	**1.081**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	APMW-5	4.571	3.714	5.86	No	19	0.7312	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-5D	0.7158	0.05668	5.86	No	9	0.3413	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-6D	1.01	0.3105	5.86	No	9	0.362	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-6R	3.295	2.805	5.86	No	19	0.7354	0	None	x^3	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-7	7.384	5.699	5.86	No	19	1.438	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-8	4.61	3.561	5.86	No	19	0.8956	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-8D	1.053	0.2451	5.86	No	9	0.4185	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**APMW-9**	**8.92**	**6.71**	**5.86**	**Yes**	**19**	**0.929**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Fluoride (mg/L)	APMW-10	0.7687	0.6263	4	No	20	0.1254	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-10D	0.2301	0.161	4	No	9	0.03575	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-1R	0.21	0.14	4	No	19	0.04303	47.37	None	No	0.01	NP (normality)
Fluoride (mg/L)	APMW-2	0.2	0.068	4	No	19	0.06544	31.58	None	No	0.01	NP (normality)
Fluoride (mg/L)	APMW-2D	0.2134	0.151	4	No	9	0.03232	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-3	0.4613	0.2401	4	No	20	0.2105	25	Kaplan-Meier	sqrt(x)	0.01	Param.
Fluoride (mg/L)	APMW-3D	0.18	0.12	4	No	9	0.02489	0	None	No	0.002	NP (normality)
Fluoride (mg/L)	APMW-4	0.5115	0.3811	4	No	20	0.1461	10	None	x^2	0.01	Param.
Fluoride (mg/L)	APMW-4D	0.1936	0.06904	4	No	9	0.06732	44.44	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	APMW-5	0.2	0.09	4	No	19	0.06336	47.37	None	No	0.01	NP (normality)
Fluoride (mg/L)	APMW-5D	0.2106	0.1087	4	No	9	0.05278	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-6D	0.2174	0.1337	4	No	9	0.04333	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-6R	0.27	0.11	4	No	19	1.42	68.42	None	No	0.01	NP (NDs)
Fluoride (mg/L)	APMW-7	0.22	0.12	4	No	20	0.3956	15	None	No	0.01	NP (normality)
Fluoride (mg/L)	APMW-8	1.1	0.73	4	No	20	3.384	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	APMW-8D	0.1779	0.08429	4	No	9	0.0485	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-9	0.2	0.06	4	No	19	0.1714	31.58	None	No	0.01	NP (normality)
Lead (mg/L)	APMW-10	0.0011	0.0006	0.015	No	19	0.000272	78.95	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-10D	0.0009303	0.0004267	0.015	No	9	0.000287	22.22	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	APMW-2	0.001	0.00022	0.015	No	19	0.0001789	94.74	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	APMW-2D	0.001	0.00016	0.015	No	9	0.000378	44.44	None	No	0.002	NP (normality)
Lead (mg/L)	APMW-3	0.001	0.00048	0.015	No	19	0.000172	89.47	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-4	0.001	0.00062	0.015	No	19	0.00008718	94.74	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-4D	0.001	0.00029	0.015	No	9	0.0002367	88.89	None	No	0.002	NP (NDs)
Lead (mg/L)	APMW-5	0.0011	0.00041	0.015	No	19	0.0001973	84.21	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-5D	0.00203	0.00018	0.015	No	9	0.0006235	22.22	None	No	0.002	NP (normality)
Lead (mg/L)	APMW-6R	0.001	0.00032	0.015	No	19	0.000156	94.74	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-7	0.0019	0.001	0.015	No	19	0.0002065	94.74	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-8	0.0013	0.00075	0.015	No	19	0.000165	84.21	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-9	0.001	0.00039	0.015	No	19	0.0002373	89.47	None	No	0.01	NP (NDs)
Lithium (mg/L)	APMW-10	0.01693	0.01034	0.04	No	19	0.006862	0	None	x^(1/3)	0.01	Param.
Lithium (mg/L)	APMW-10D	0.01814	0.007661	0.04	No	9	0.005426	11.11	None	No	0.01	Param.
Lithium (mg/L)	APMW-1R	0.01652	0.01235	0.04	No	19	0.004053	5.263	None	ln(x)	0.01	Param.
Lithium (mg/L)	APMW-2	0.03177	0.02507	0.04	No	19	0.005719	0	None	No	0.01	Param.
Lithium (mg/L)	APMW-2D	0.01098	0.008996	0.04	No	9	0.001029	0	None	No	0.01	Param.
Lithium (mg/L)	**APMW-3**	**0.08258**	**0.07013**	**0.04**	**Yes**	**19**	**0.01111**	**0**	**None**	**x^(1/3)**	**0.01**	**Param.**
Lithium (mg/L)	APMW-3D	0.01651	0.008284	0.04	No	9	0.004261	0	None	No	0.01	Param.
Lithium (mg/L)	**APMW-4**	**0.05966**	**0.04787**	**0.04**	**Yes**	**19**	**0.01045**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-4D**	**0.0872**	**0.04795**	**0.04**	**Yes**	**9**	**0.02033**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	APMW-5	0.049	0.04	0.04	No	19	0.009814	0	None	No	0.01	NP (normality)
Lithium (mg/L)	APMW-5D	0.008939	0.007041	0.04	No	9	0.0009828	0	None	No	0.01	Param.
Lithium (mg/L)	APMW-6D	0.01026	0.005993	0.04	No	9	0.002294	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	**APMW-6R**	**0.05775**	**0.05314**	**0.04**	**Yes**	**19**	**0.003933**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	APMW-7	0.004437	0.00283	0.04	No	18	0.001511	16.67	Kaplan-Meier	No	0.01	Param.

Confidence Intervals Summary Table - All Results

Plant Watson Data: Plant Watson AP CCR Printed 5/13/2024, 4:09 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lithium (mg/L)	**APMW-8**	**0.095**	**0.071**	**0.04**	**Yes**	**19**	**0.02299**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Lithium (mg/L)	APMW-8D	0.005511	0.002746	0.04	No	9	0.001438	22.22	Kaplan-Meier	No	0.01	Param.
Lithium (mg/L)	APMW-9	0.004947	0.003247	0.04	No	18	0.001531	16.67	Kaplan-Meier	sqrt(x)	0.01	Param.
Mercury (mg/L)	APMW-10	0.0002	0.000085	0.002	No	17	0.00002789	94.12	None	No	0.01	NP (NDs)
Mercury (mg/L)	APMW-1R	0.0002	0.00015	0.002	No	17	0.00001213	94.12	None	No	0.01	NP (NDs)
Mercury (mg/L)	APMW-5	0.0002	0.000093	0.002	No	17	0.00002595	94.12	None	No	0.01	NP (NDs)
Mercury (mg/L)	APMW-7	0.0002	0.00009	0.002	No	17	0.00002668	94.12	None	No	0.01	NP (NDs)
Mercury (mg/L)	APMW-8	0.0002	0.000077	0.002	No	17	0.00002983	94.12	None	No	0.01	NP (NDs)
Mercury (mg/L)	APMW-9	0.00035	0.0002	0.002	No	17	0.00003638	94.12	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	APMW-10	0.11	0.037	0.1	No	19	0.03223	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	APMW-10D	0.01191	0.00314	0.1	No	9	0.004543	11.11	None	No	0.01	Param.
Molybdenum (mg/L)	APMW-2	0.015	0.00079	0.1	No	19	0.00326	94.74	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	APMW-2D	0.00558	0.00099	0.1	No	9	0.001588	0	None	No	0.002	NP (normality)
Molybdenum (mg/L)	APMW-3	0.06991	0.06077	0.1	No	19	0.007807	0	None	No	0.01	Param.
Molybdenum (mg/L)	APMW-3D	0.015	0.0007	0.1	No	9	0.006172	22.22	None	No	0.002	NP (normality)
Molybdenum (mg/L)	APMW-4	0.009125	0.005959	0.1	No	19	0.002703	0	None	No	0.01	Param.
Molybdenum (mg/L)	**APMW-4D**	**0.314**	**0.1698**	**0.1**	**Yes**	**9**	**0.07471**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	APMW-5	0.114	0.0694	0.1	No	19	0.0405	0	None	sqrt(x)	0.01	Param.
Molybdenum (mg/L)	APMW-5D	0.0075	0.00078	0.1	No	9	0.002167	11.11	None	No	0.002	NP (normality)
Molybdenum (mg/L)	APMW-6D	0.003282	0.0009051	0.1	No	9	0.002064	11.11	None	ln(x)	0.01	Param.
Molybdenum (mg/L)	**APMW-6R**	**0.5071**	**0.3916**	**0.1**	**Yes**	**19**	**0.1032**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Molybdenum (mg/L)	APMW-7	0.015	0.0062	0.1	No	19	0.005384	63.16	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	APMW-8	0.1408	0.08352	0.1	No	19	0.04891	0	None	No	0.01	Param.
Molybdenum (mg/L)	APMW-8D	0.015	0.00067	0.1	No	9	0.007019	33.33	None	No	0.002	NP (normality)
Molybdenum (mg/L)	APMW-9	0.015	0.00093	0.1	No	19	0.004441	89.47	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-10	0.005	0.00061	0.05	No	19	0.001712	84.21	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-2	0.005	0.00072	0.05	No	19	0.001662	84.21	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-3	0.005	0.0011	0.05	No	19	0.001881	57.89	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-3D	0.005	0.0012	0.05	No	9	0.001267	88.89	None	No	0.002	NP (NDs)
Selenium (mg/L)	APMW-4	0.005	0.00068	0.05	No	19	0.001675	84.21	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-5	0.005	0.0016	0.05	No	19	0.001738	78.95	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-7	0.005	0.00046	0.05	No	19	0.001722	84.21	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-8	0.005	0.00076	0.05	No	19	0.001858	78.95	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-9	0.005	0.0012	0.05	No	19	0.001821	78.95	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-10	0.001	0.00068	0.002	No	19	0.0002196	84.21	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-10D	0.001	0.00057	0.002	No	9	0.0001433	88.89	None	No	0.002	NP (NDs)
Thallium (mg/L)	APMW-1R	0.001	0.00019	0.002	No	19	0.0001858	94.74	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-2	0.001	0.00084	0.002	No	19	0.00003671	94.74	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-3	0.001	0.00012	0.002	No	19	0.0002019	94.74	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-8	0.0013	0.00025	0.002	No	19	0.0002641	84.21	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-9	0.0016	0.00024	0.002	No	19	0.0002281	89.47	None	No	0.01	NP (NDs)

Appendix IV - Trend Test Summary - Significant Results

Plant Watson Data: Plant Watson AP CCR Printed 5/9/2024, 2:15 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Arsenic (mg/L)	**APMW-10**	**-0.01841**	**-135**	**-58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-5D**	**0.002681**	**30**	**20**	**Yes**	**9**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-6R**	**0.03058**	**142**	**58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-8**	**-0.01549**	**-157**	**-58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-11 (bg)**	**-0.01193**	**-130**	**-58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-12 (bg)**	**-0.003367**	**-82**	**-58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-15 (bg)**	**-0.004534**	**-25**	**-20**	**Yes**	**9**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-2**	**0.136**	**95**	**58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	**APMW-1R**	**1.921**	**133**	**58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	**APMW-9**	**0.3958**	**99**	**58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**APMW-12 (bg)**	**0.001052**	**90**	**58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**APMW-3**	**-0.002188**	**-59**	**-58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**APMW-4**	**-0.002992**	**-127**	**-58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**APMW-8**	**-0.004384**	**-104**	**-58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**APMW-4D**	**-0.04174**	**-25**	**-20**	**Yes**	**9**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**APMW-6R**	**0.05564**	**115**	**58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**

Appendix IV - Trend Test Summary - All Results

Plant Watson Data: Plant Watson AP CCR Printed 5/9/2024, 2:15 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Arsenic (mg/L)	**APMW-10**	**-0.01841**	**-135**	**-58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	APMW-11 (bg)	0	27	58	No	19	84.21	n/a	n/a	0.05	NP
Arsenic (mg/L)	APMW-12 (bg)	-0.00007871	-31	-58	No	19	21.05	n/a	n/a	0.05	NP
Arsenic (mg/L)	APMW-13 (bg)	0	6	20	No	9	88.89	n/a	n/a	0.05	NP
Arsenic (mg/L)	APMW-14 (bg)	-0.0001448	-12	-20	No	9	44.44	n/a	n/a	0.05	NP
Arsenic (mg/L)	APMW-15 (bg)	-0.00008023	-7	-20	No	9	0	n/a	n/a	0.05	NP
Arsenic (mg/L)	APMW-16 (bg)	-0.00004359	-2	-20	No	9	0	n/a	n/a	0.05	NP
Arsenic (mg/L)	APMW-3	-0.00485	-52	-58	No	19	0	n/a	n/a	0.05	NP
Arsenic (mg/L)	APMW-5	-0.002622	-36	-58	No	19	0	n/a	n/a	0.05	NP
Arsenic (mg/L)	**APMW-5D**	**0.002681**	**30**	**20**	**Yes**	**9**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-6R**	**0.03058**	**142**	**58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-8**	**-0.01549**	**-157**	**-58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-11 (bg)**	**-0.01193**	**-130**	**-58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-12 (bg)**	**-0.003367**	**-82**	**-58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	APMW-13 (bg)	-0.01073	-9	-20	No	9	0	n/a	n/a	0.05	NP
Barium (mg/L)	APMW-14 (bg)	-0.005835	-7	-20	No	9	0	n/a	n/a	0.05	NP
Barium (mg/L)	**APMW-15 (bg)**	**-0.004534**	**-25**	**-20**	**Yes**	**9**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	APMW-16 (bg)	0.000476	5	20	No	9	0	n/a	n/a	0.05	NP
Barium (mg/L)	**APMW-2**	**0.136**	**95**	**58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	APMW-11 (bg)	-0.03413	-31	-58	No	19	5.263	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-12 (bg)	-0.02263	-17	-58	No	19	5.263	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-13 (bg)	0.2911	16	20	No	9	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-14 (bg)	0.5054	16	20	No	9	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-15 (bg)	-0.2195	-7	-20	No	9	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-16 (bg)	-0.2354	-12	-20	No	9	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	**APMW-1R**	**1.921**	**133**	**58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	APMW-2	0.05464	4	58	No	19	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-4D	0.1793	8	20	No	9	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	**APMW-9**	**0.3958**	**99**	**58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	APMW-11 (bg)	0.0003306	38	58	No	19	0	n/a	n/a	0.05	NP
Lithium (mg/L)	**APMW-12 (bg)**	**0.001052**	**90**	**58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	APMW-13 (bg)	-0.0002839	-4	-20	No	9	0	n/a	n/a	0.05	NP
Lithium (mg/L)	APMW-14 (bg)	-0.004948	-14	-20	No	9	55.56	n/a	n/a	0.05	NP
Lithium (mg/L)	APMW-15 (bg)	0.0003571	5	20	No	9	0	n/a	n/a	0.05	NP
Lithium (mg/L)	APMW-16 (bg)	-0.0003207	-8	-20	No	9	0	n/a	n/a	0.05	NP
Lithium (mg/L)	**APMW-3**	**-0.002188**	**-59**	**-58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**APMW-4**	**-0.002992**	**-127**	**-58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	APMW-4D	0.006329	13	20	No	9	0	n/a	n/a	0.05	NP
Lithium (mg/L)	APMW-6R	0.000486	20	58	No	19	0	n/a	n/a	0.05	NP
Lithium (mg/L)	**APMW-8**	**-0.004384**	**-104**	**-58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	APMW-11 (bg)	0	0	58	No	19	100	n/a	n/a	0.05	NP
Molybdenum (mg/L)	APMW-12 (bg)	0	0	58	No	19	100	n/a	n/a	0.05	NP
Molybdenum (mg/L)	APMW-13 (bg)	0	0	20	No	9	100	n/a	n/a	0.05	NP
Molybdenum (mg/L)	APMW-14 (bg)	0	0	20	No	9	100	n/a	n/a	0.05	NP
Molybdenum (mg/L)	APMW-15 (bg)	0	6	20	No	9	88.89	n/a	n/a	0.05	NP
Molybdenum (mg/L)	APMW-16 (bg)	0	6	20	No	9	88.89	n/a	n/a	0.05	NP
Molybdenum (mg/L)	**APMW-4D**	**-0.04174**	**-25**	**-20**	**Yes**	**9**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**APMW-6R**	**0.05564**	**115**	**58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**

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FIGURE A.

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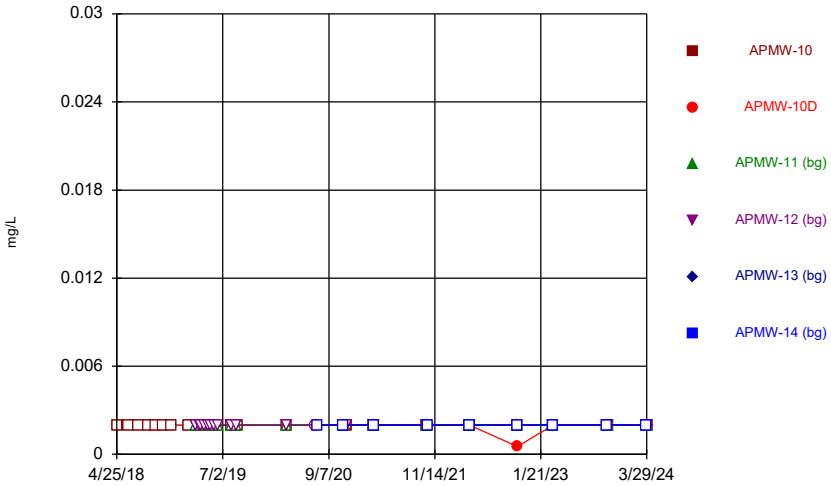
Hollow symbols indicate censored values.

Time Series



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Plant Watson Data: Plant Watson AP CCR

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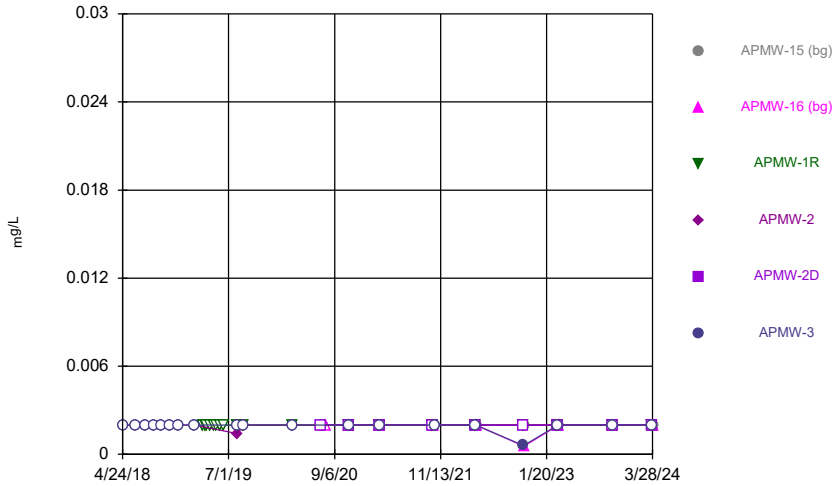

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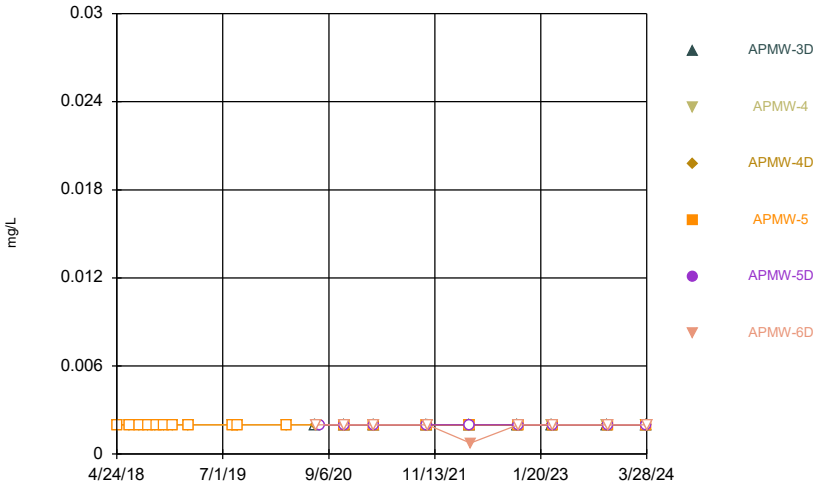

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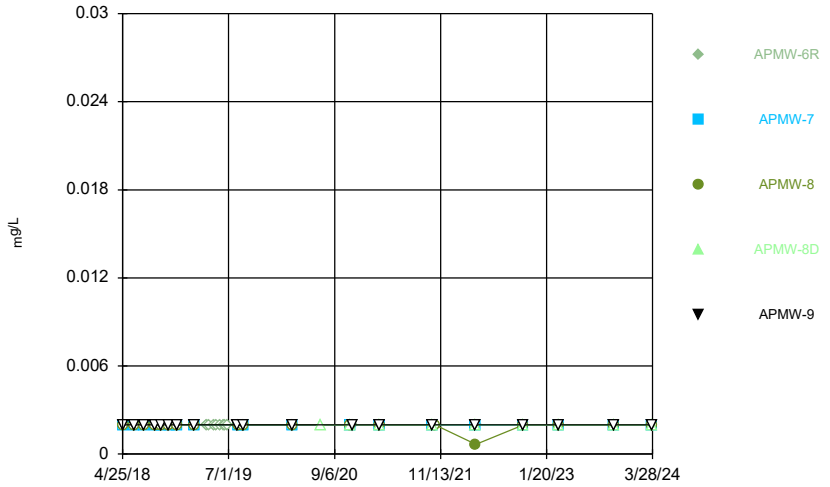

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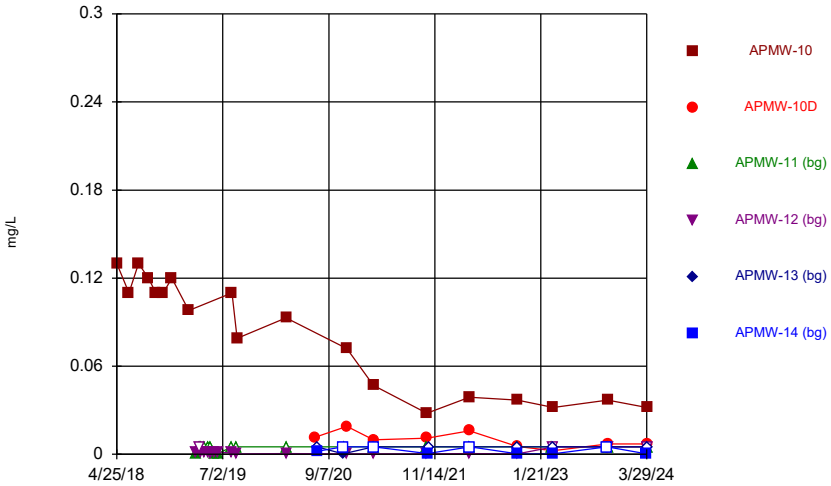

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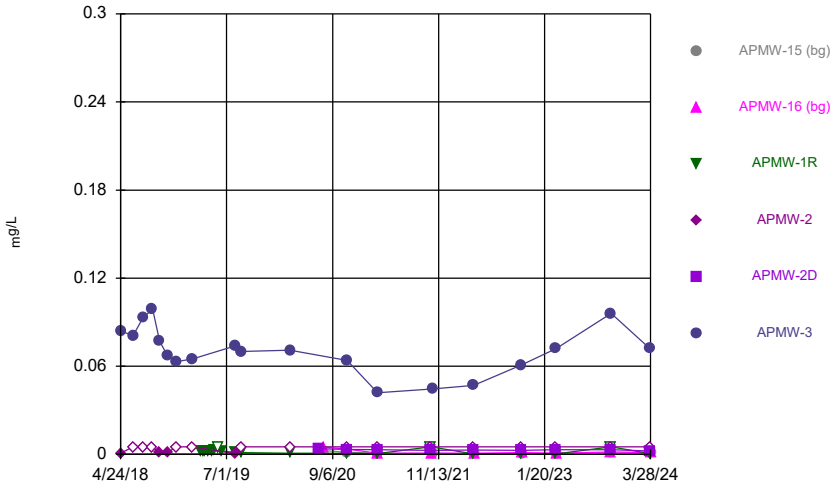

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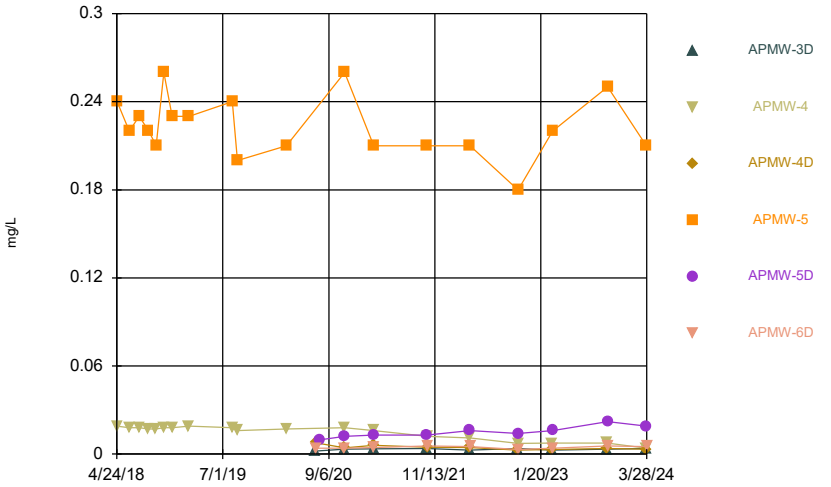

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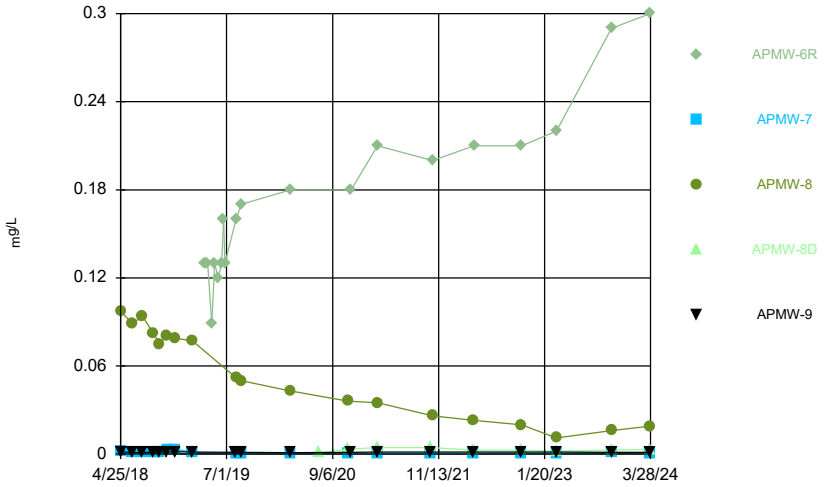

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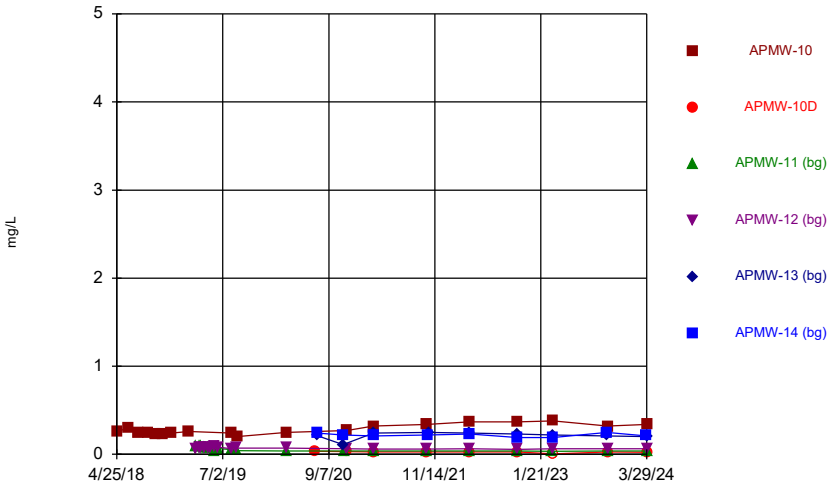

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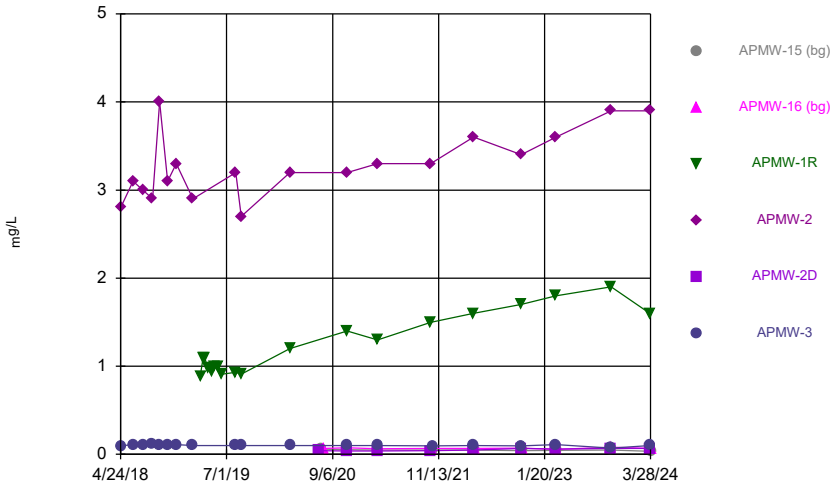

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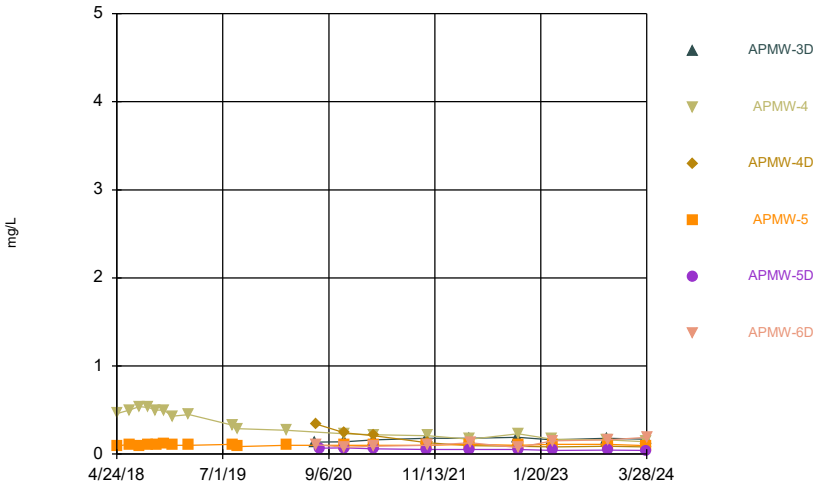
Time Series



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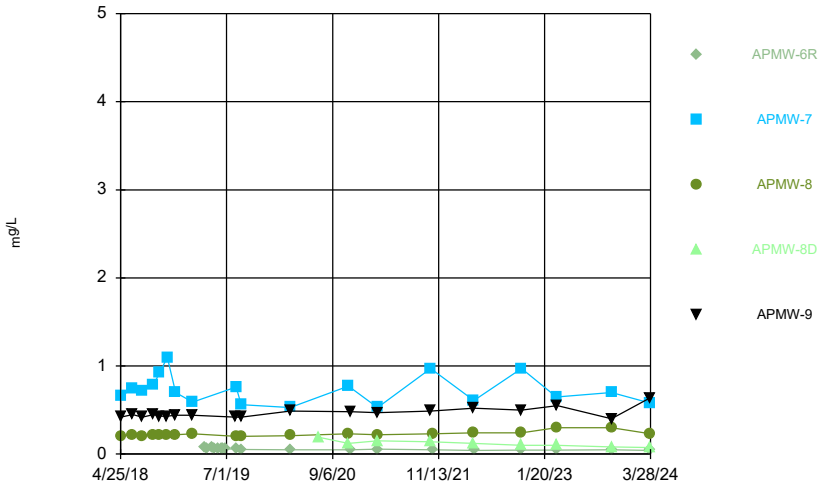

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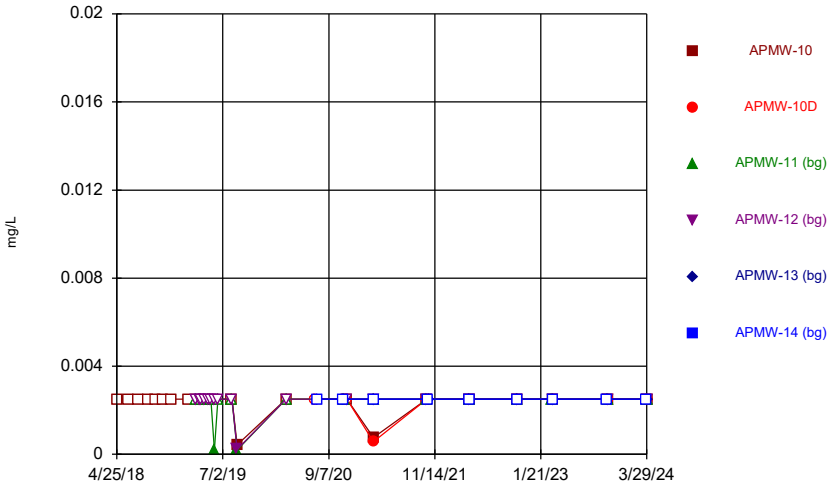

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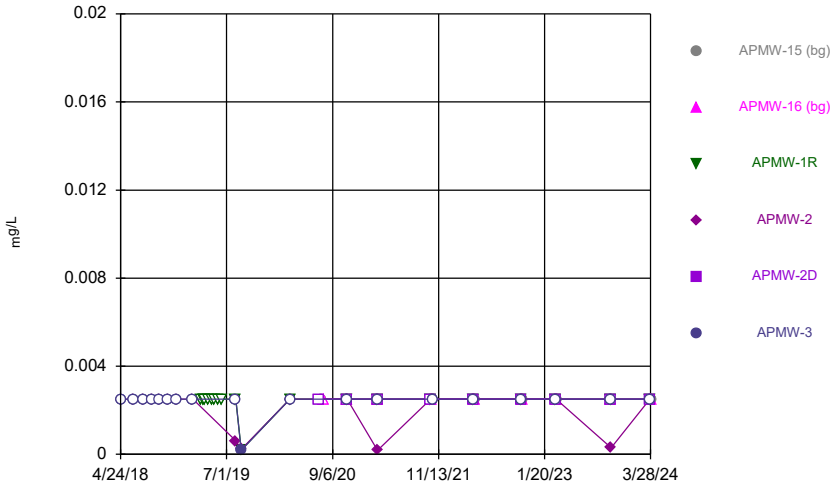
Hollow symbols indicate censored values.

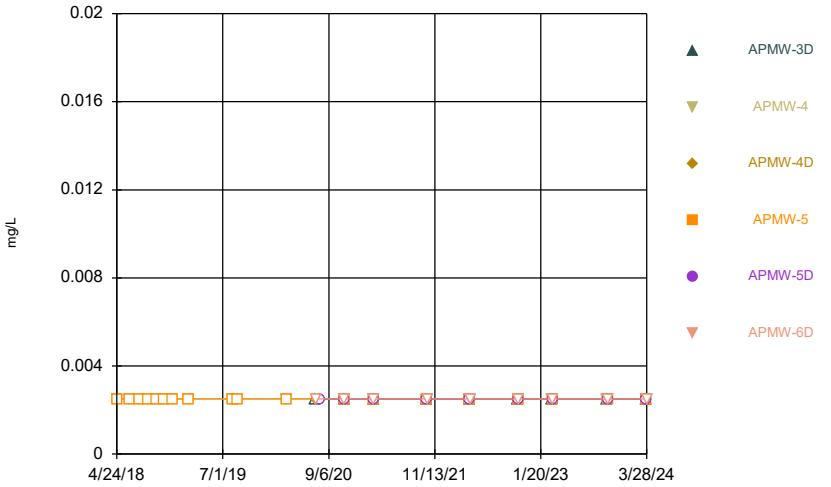
Time Series



Constituent: Beryllium Analysis Run 5/9/2024 1:00 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

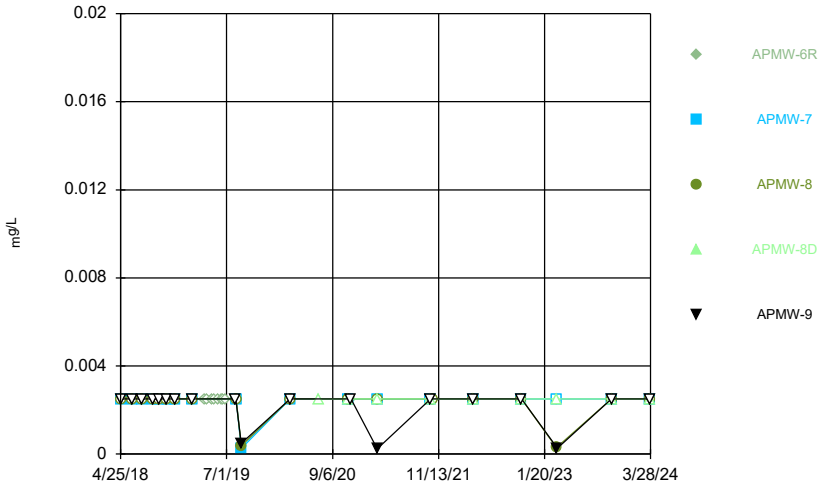
Time Series



Constituent: Beryllium Analysis Run 5/9/2024 1:00 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

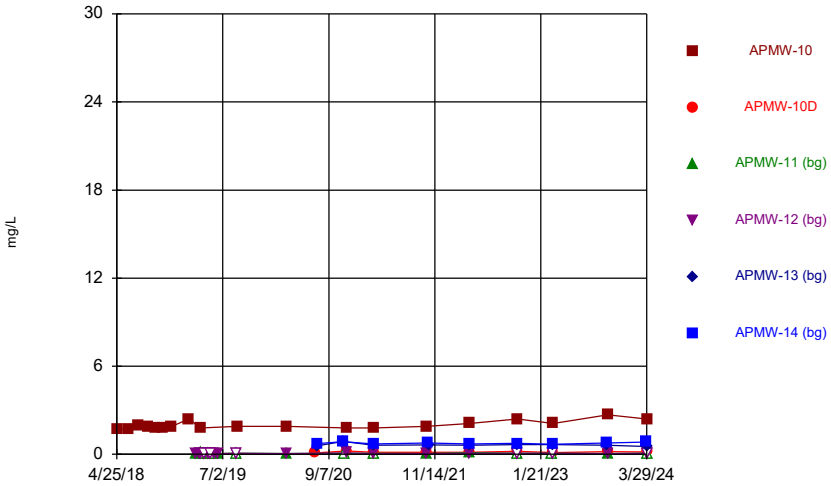
Time Series



Constituent: Beryllium Analysis Run 5/9/2024 1:00 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

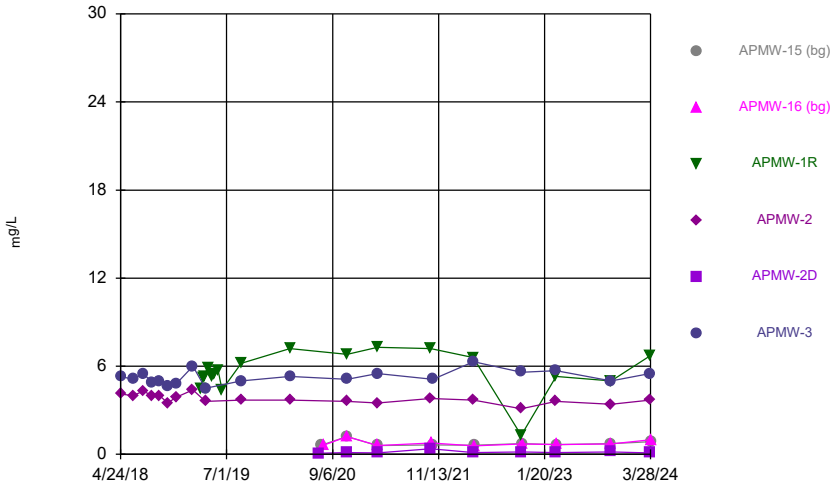
Time Series



Constituent: Boron Analysis Run 5/9/2024 1:00 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

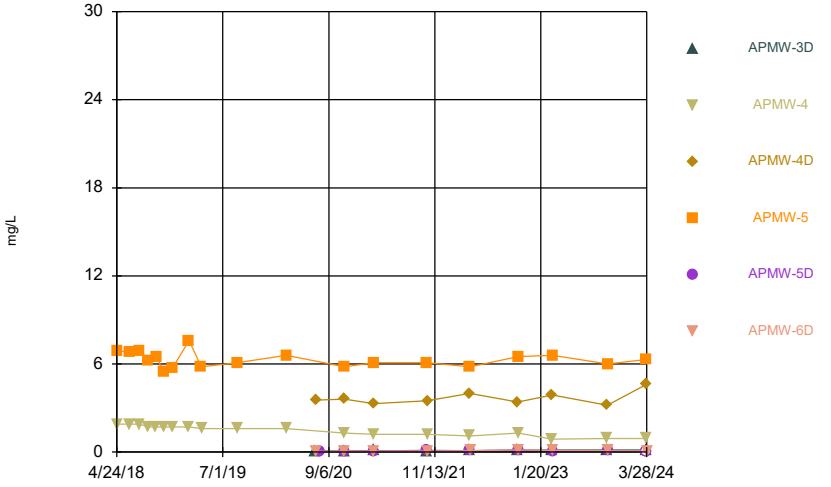
Time Series



Constituent: Boron Analysis Run 5/9/2024 1:00 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

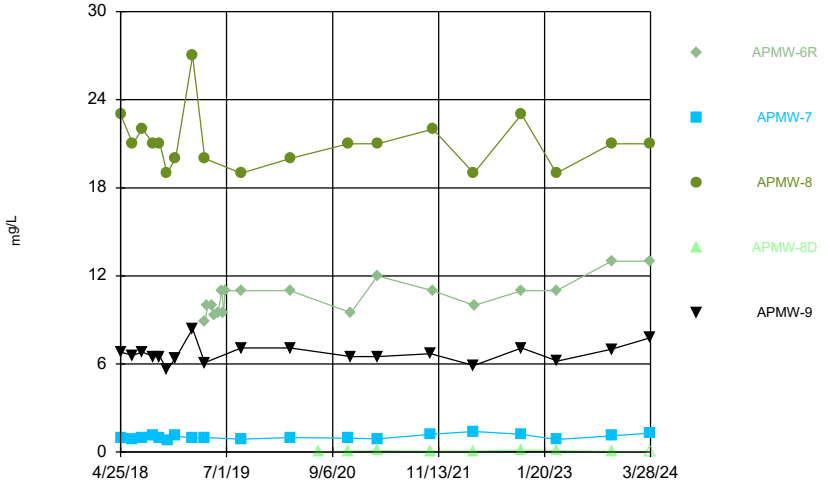
Time Series



Constituent: Boron Analysis Run 5/9/2024 1:00 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

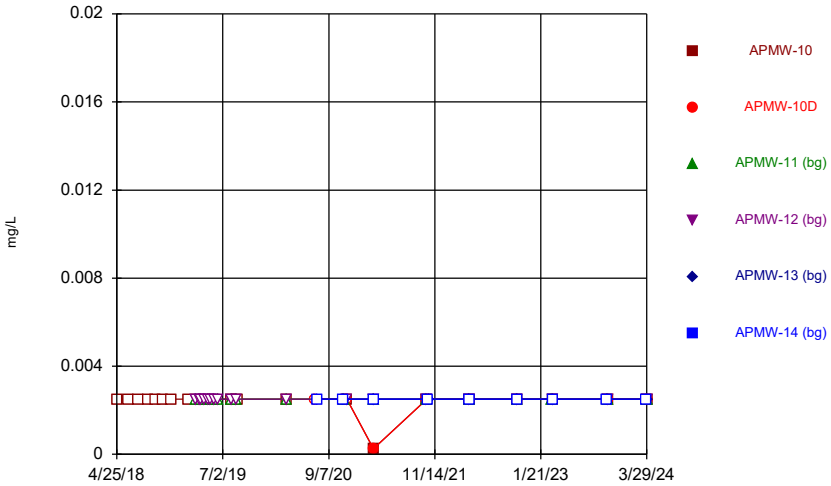
Time Series



Constituent: Boron Analysis Run 5/9/2024 1:00 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

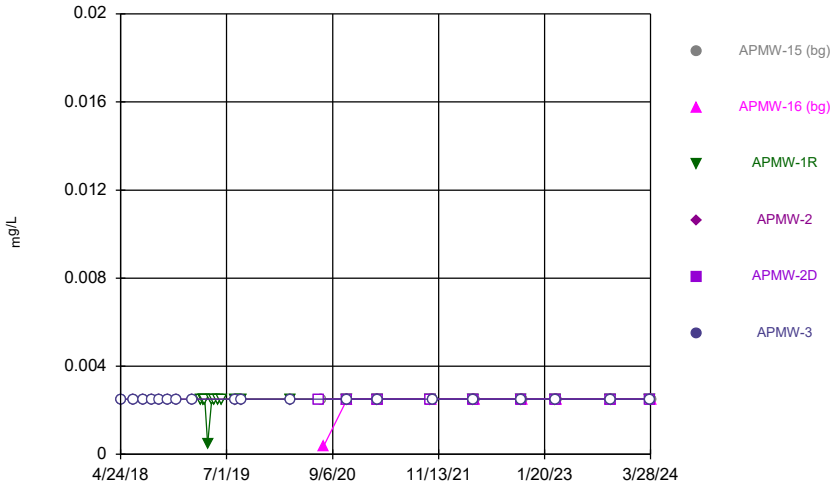
Time Series



Constituent: Cadmium Analysis Run 5/9/2024 1:00 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

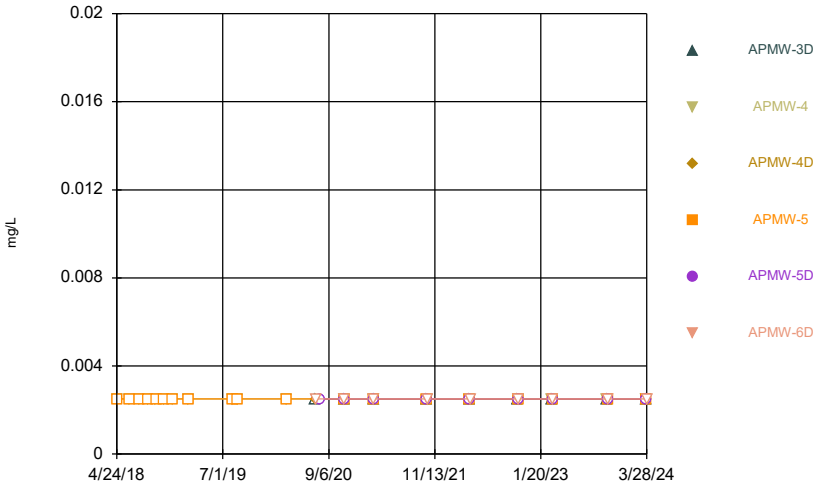
Time Series



Constituent: Cadmium Analysis Run 5/9/2024 1:00 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

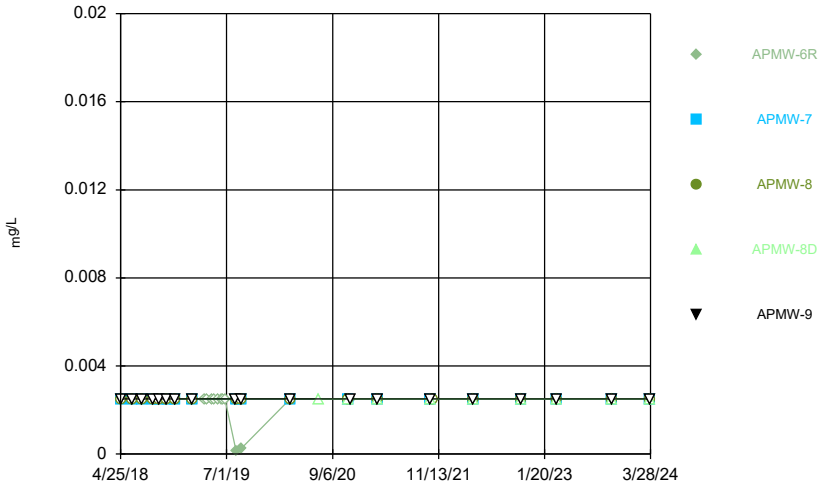
Time Series



Constituent: Cadmium Analysis Run 5/9/2024 1:00 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

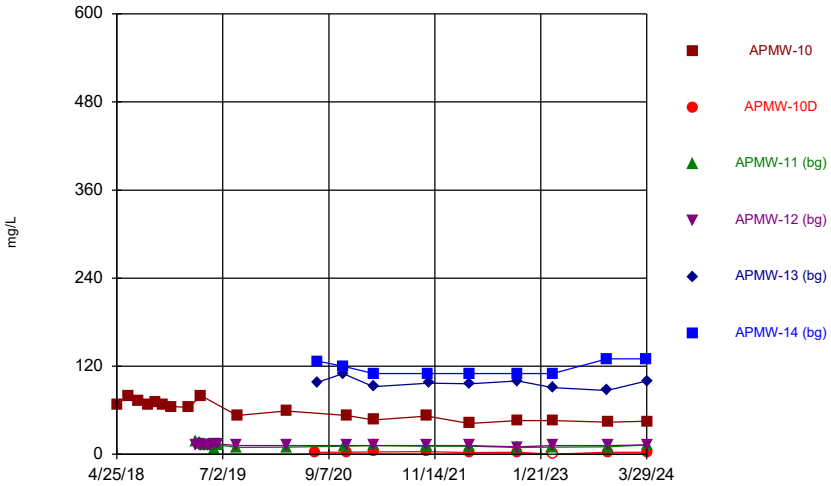
Time Series



Constituent: Cadmium Analysis Run 5/9/2024 1:00 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

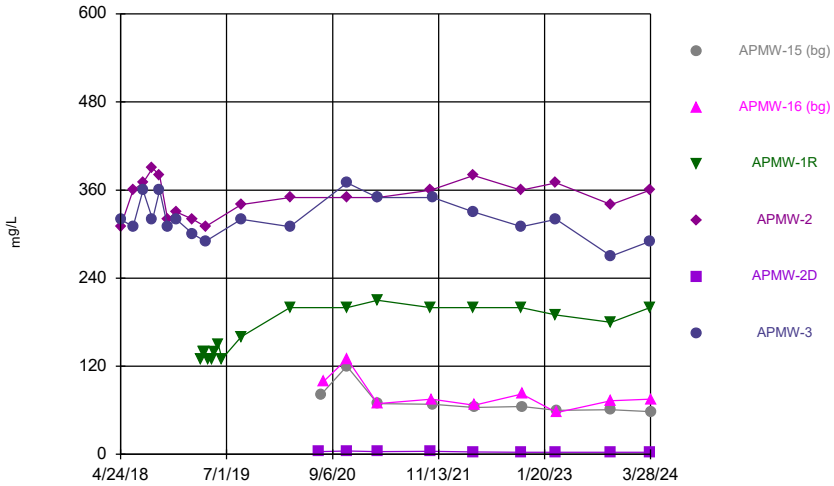
Time Series



Constituent: Calcium Analysis Run 5/9/2024 1:00 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

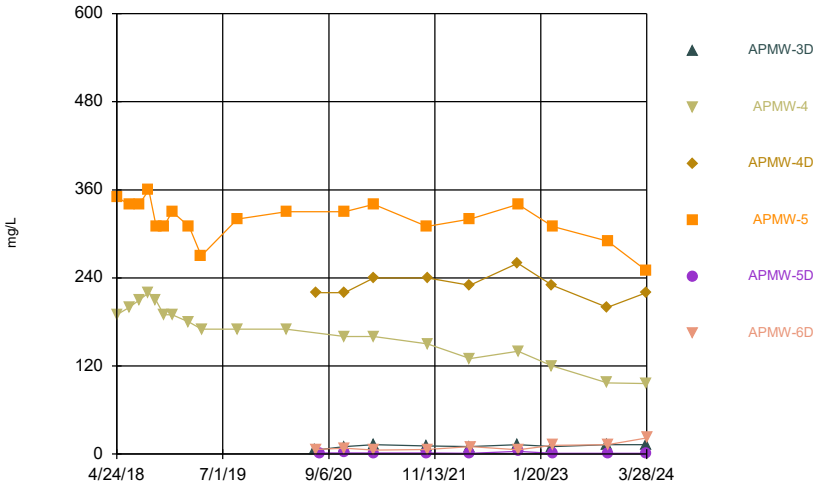
Time Series



Constituent: Calcium Analysis Run 5/9/2024 1:00 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

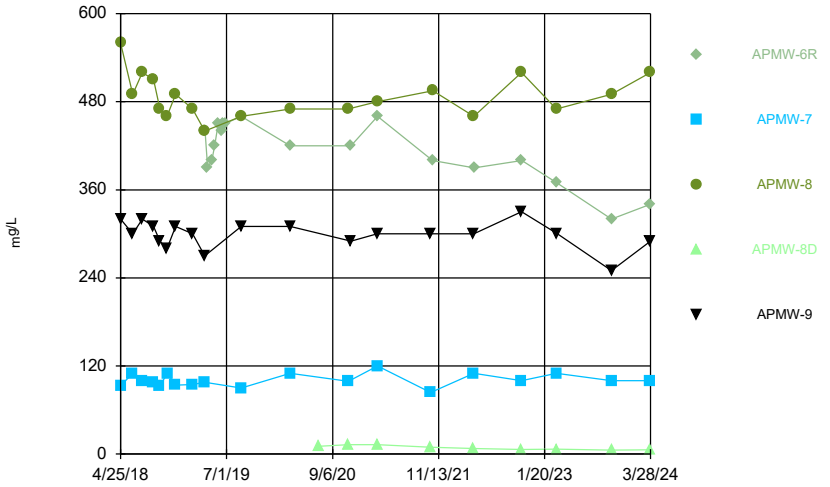
Time Series



Constituent: Calcium Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

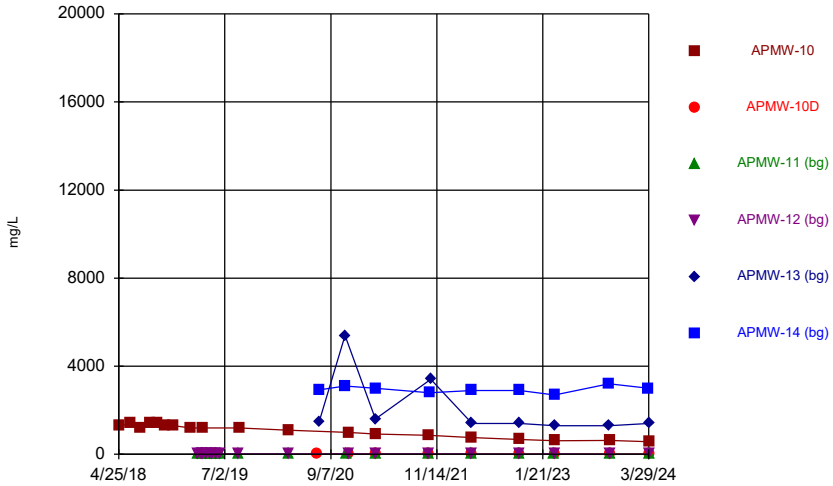
Time Series



Constituent: Calcium Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

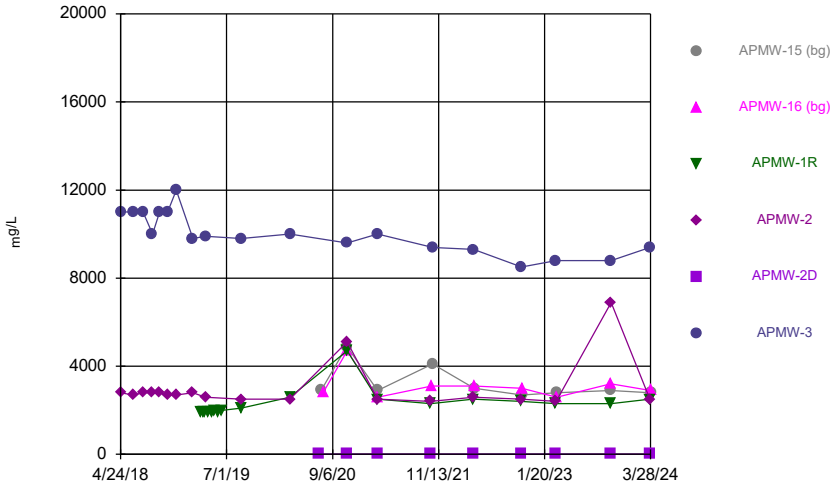
Time Series



Constituent: Chloride Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

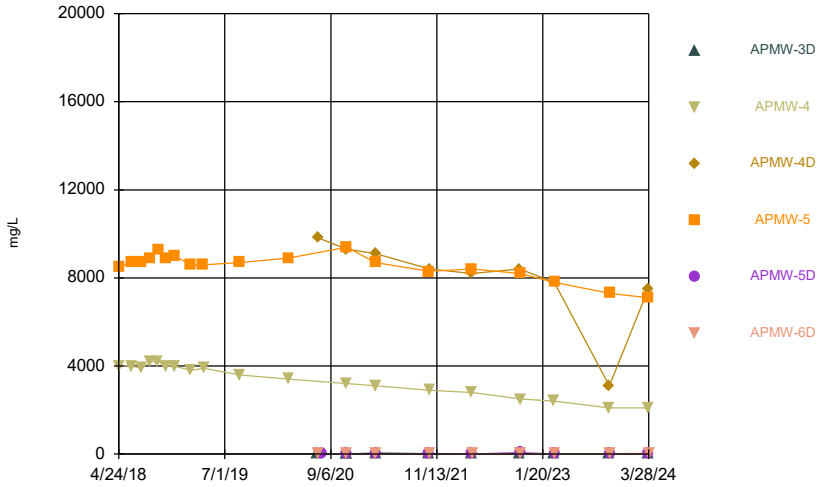
Time Series



Constituent: Chloride Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

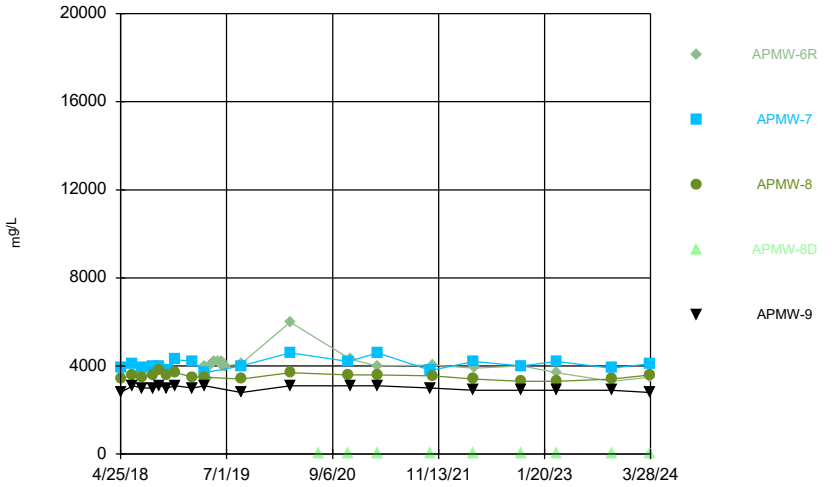
Time Series



Constituent: Chloride Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

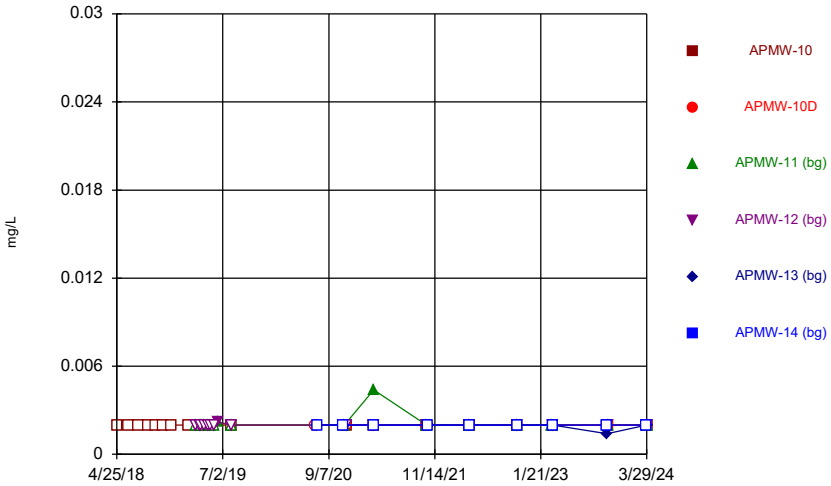
Time Series



Constituent: Chloride Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

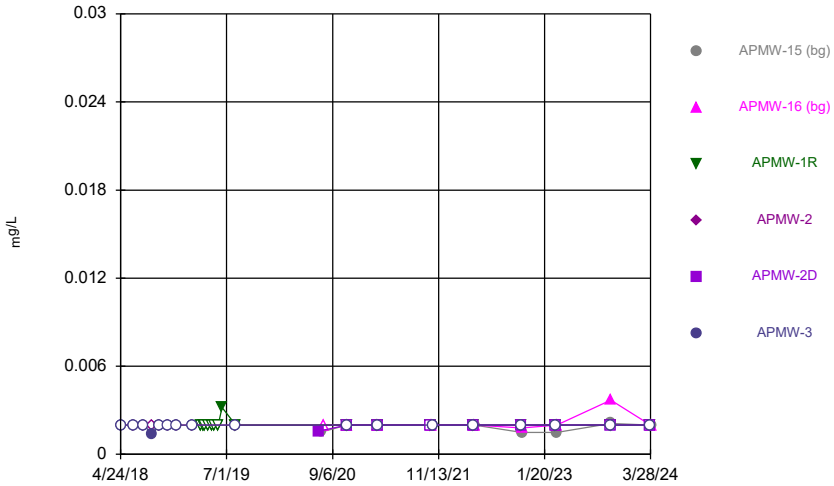
Time Series



Constituent: Chromium Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

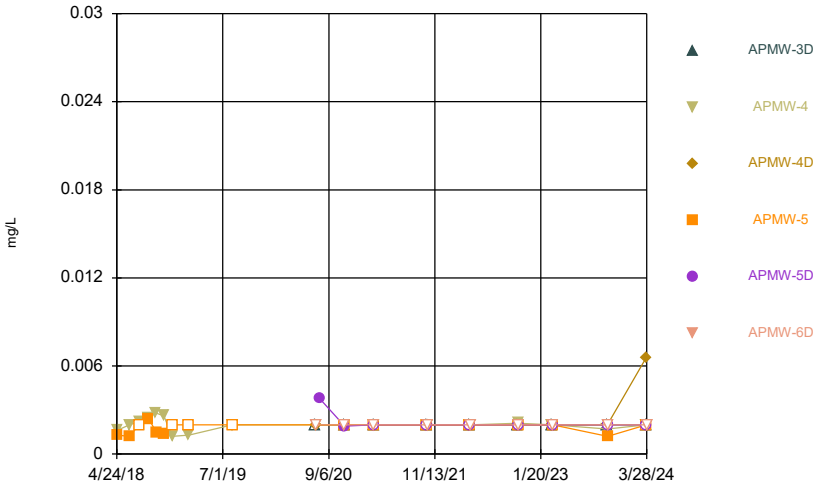
Time Series



Constituent: Chromium Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

Time Series



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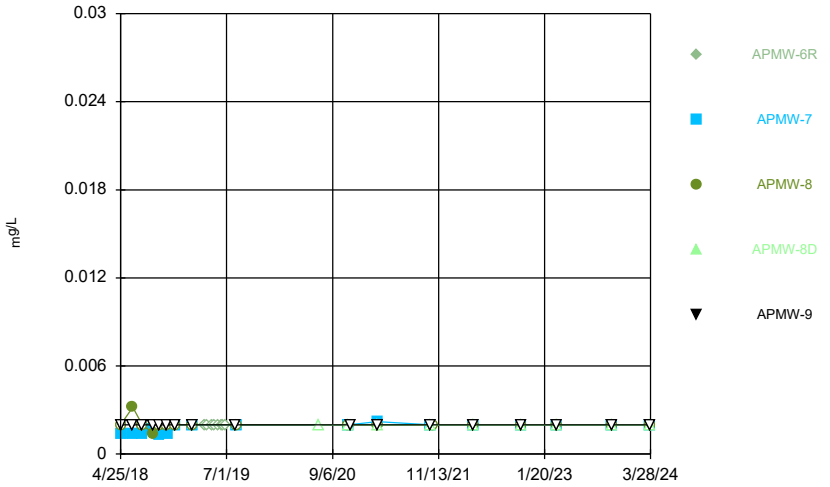
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

Time Series



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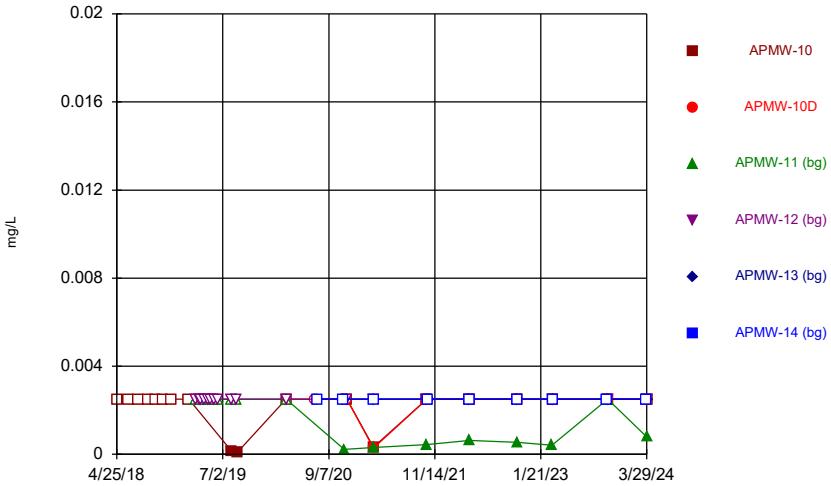
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

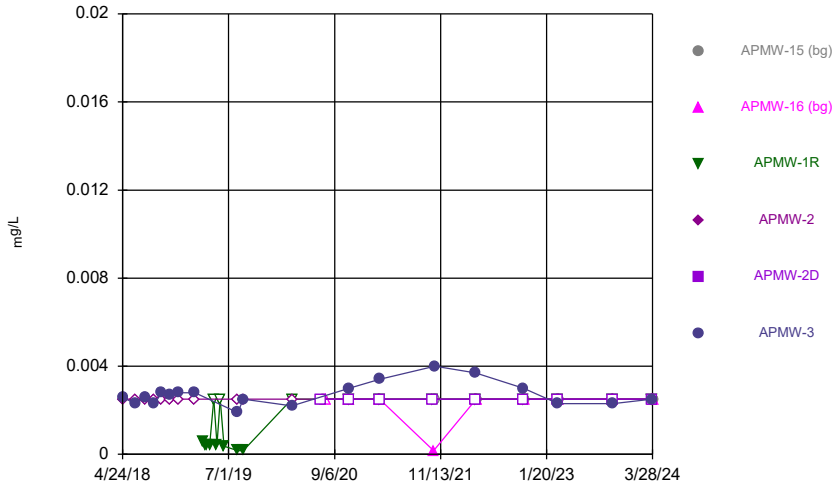
Time Series



Constituent: Cobalt Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

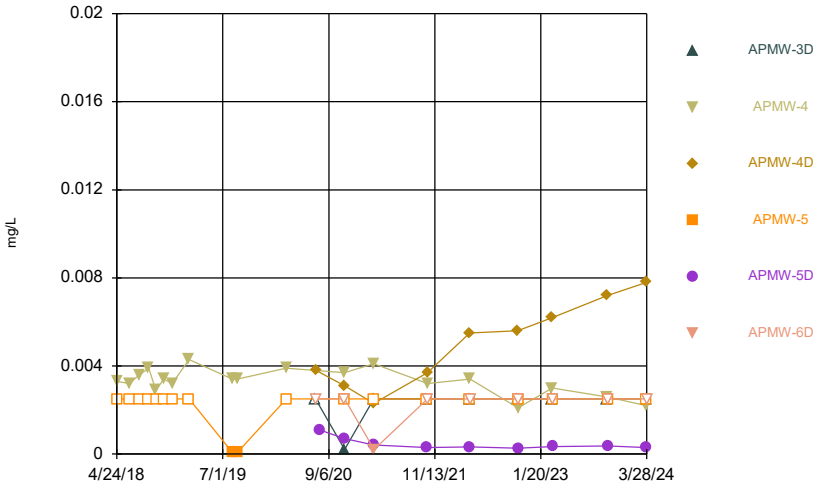
Time Series



Constituent: Cobalt Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

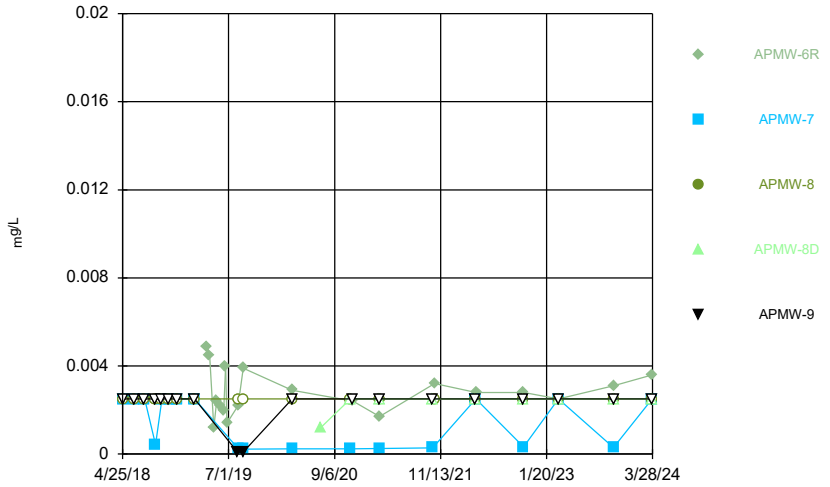
Time Series



Constituent: Cobalt Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

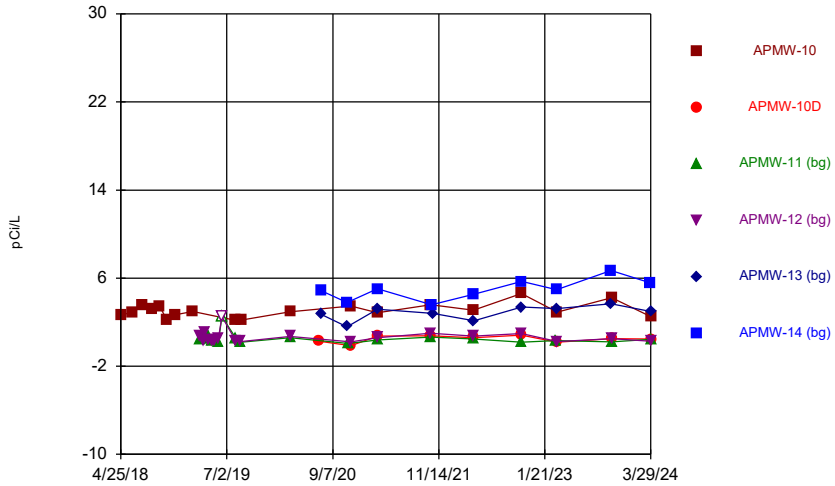
Time Series



Constituent: Cobalt Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

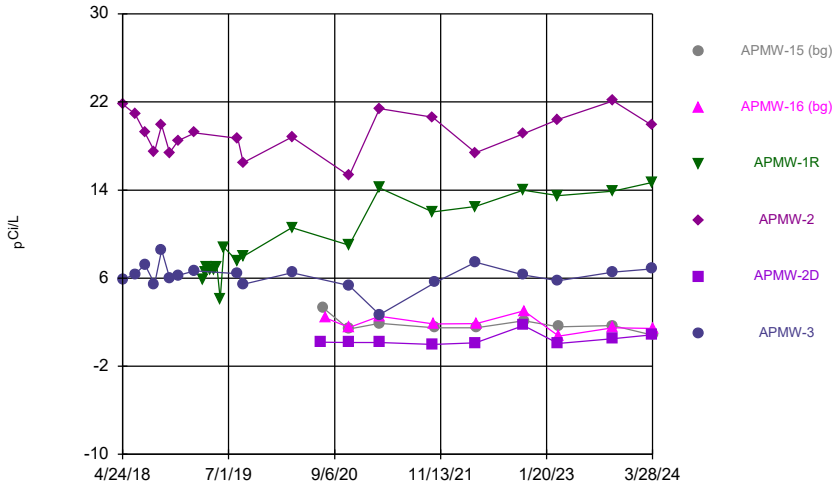
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

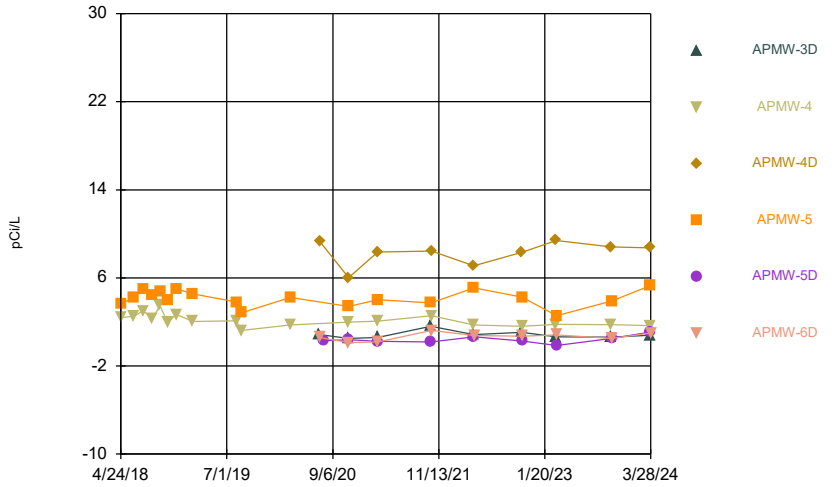
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

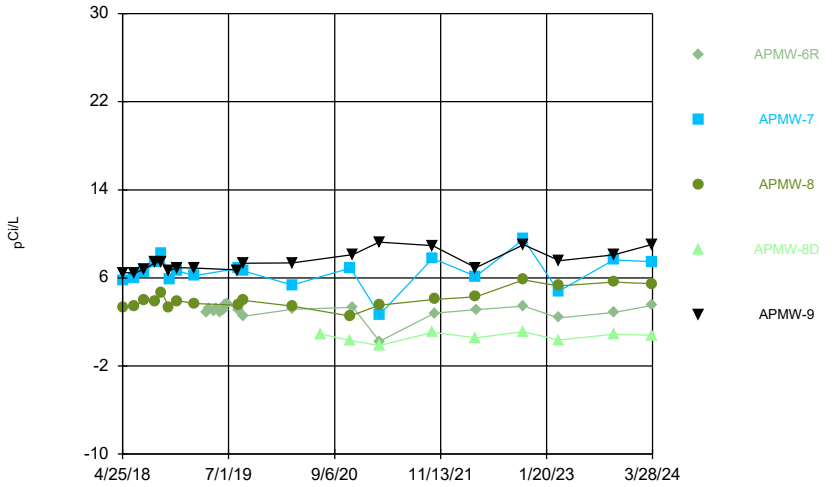
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

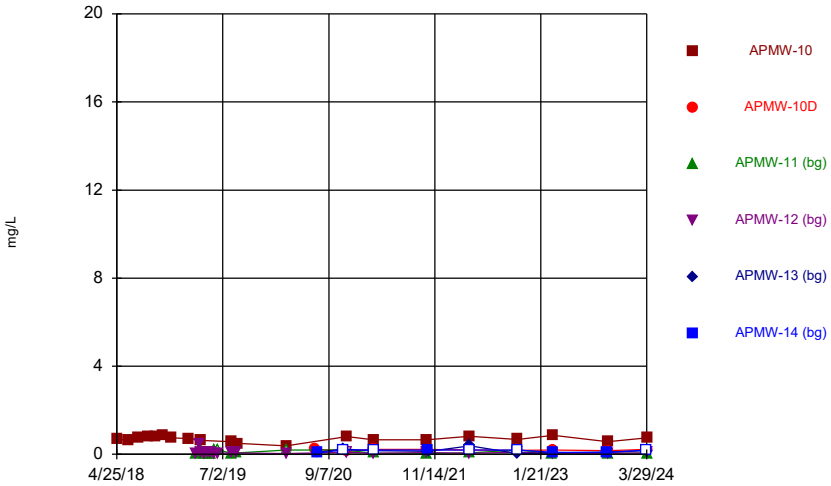
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

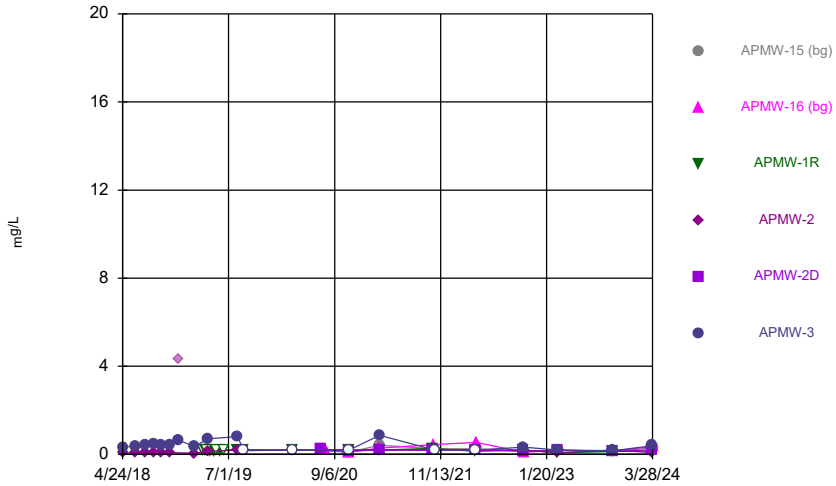
Time Series



Constituent: Fluoride Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

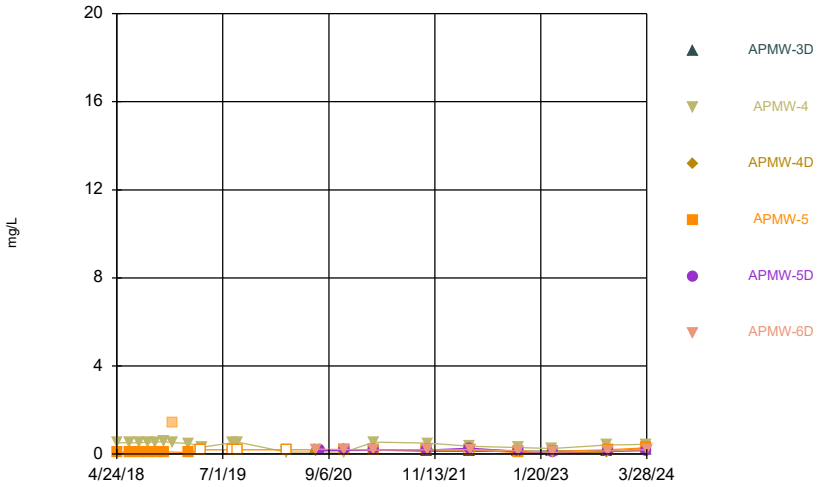
Time Series



Constituent: Fluoride Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

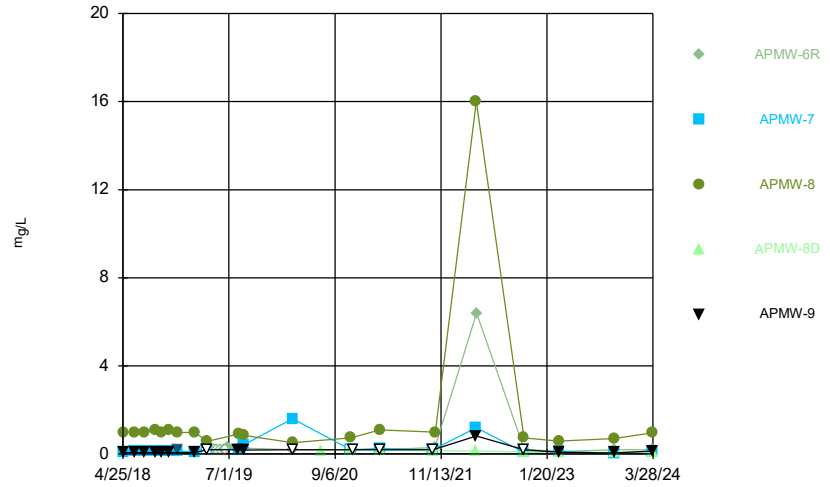
Time Series



Constituent: Fluoride Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

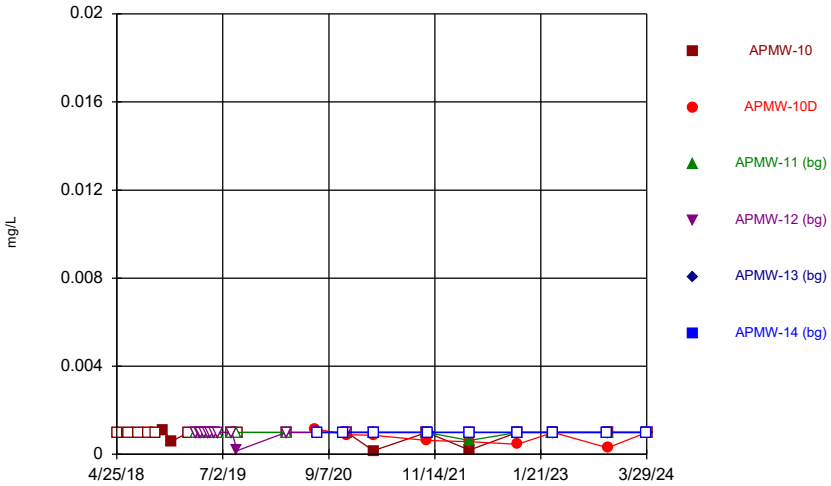
Time Series



Constituent: Fluoride Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

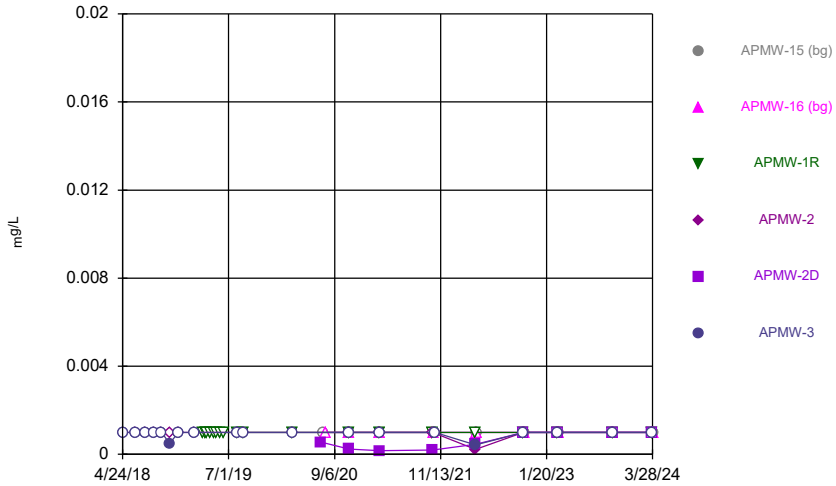
Time Series



Constituent: Lead Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

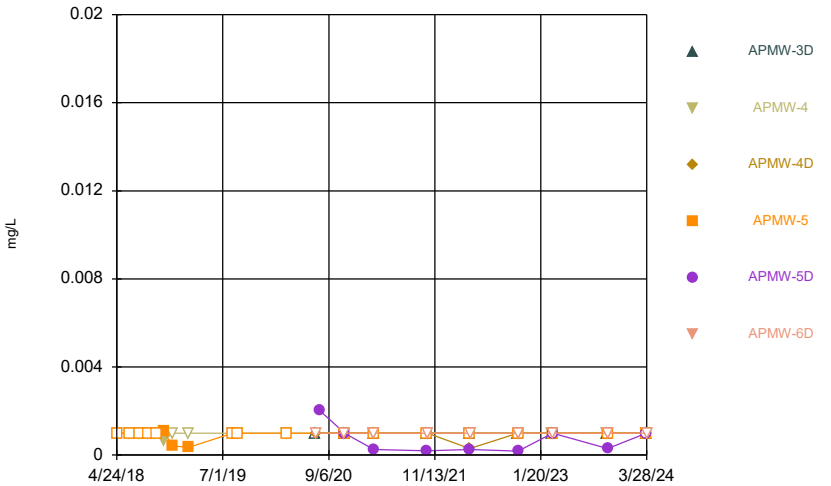
Time Series



Constituent: Lead Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

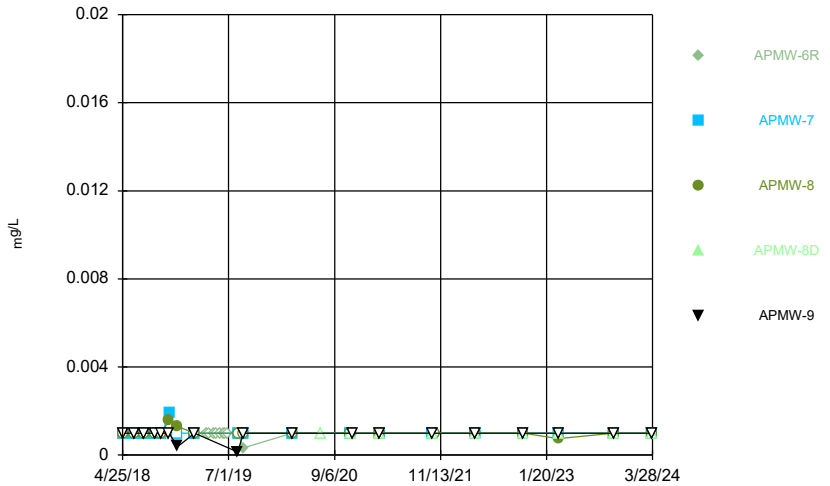
Time Series



Constituent: Lead Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

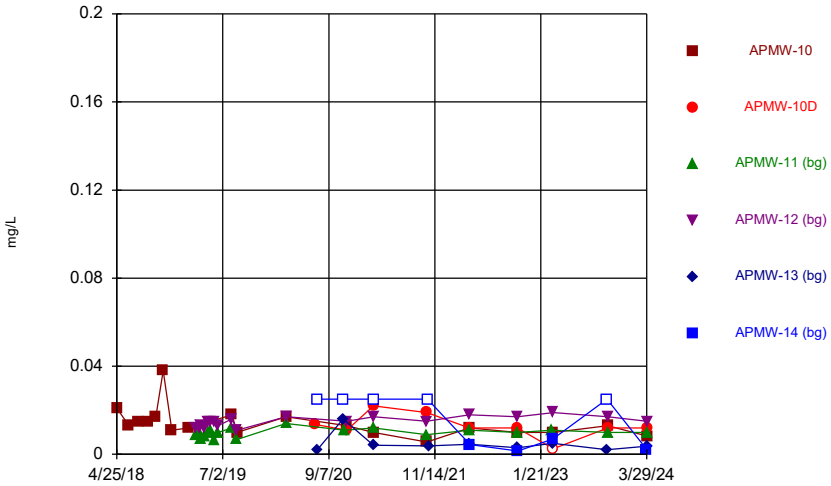
Time Series



Constituent: Lead Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

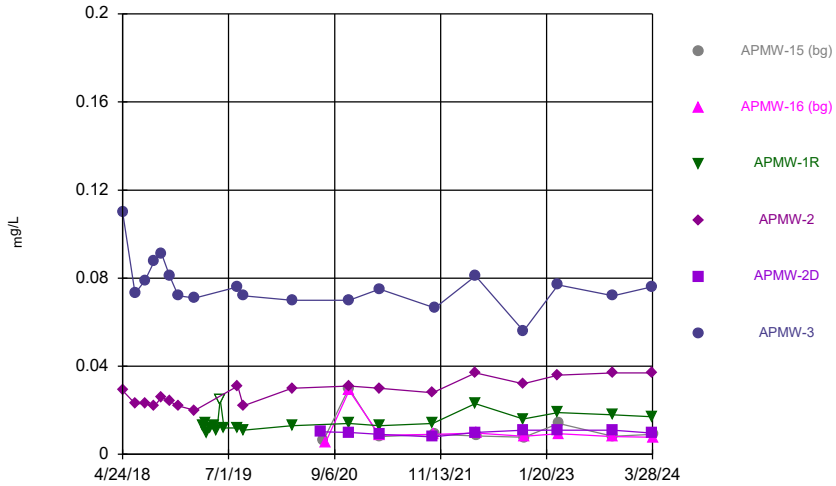
Time Series



Constituent: Lithium Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

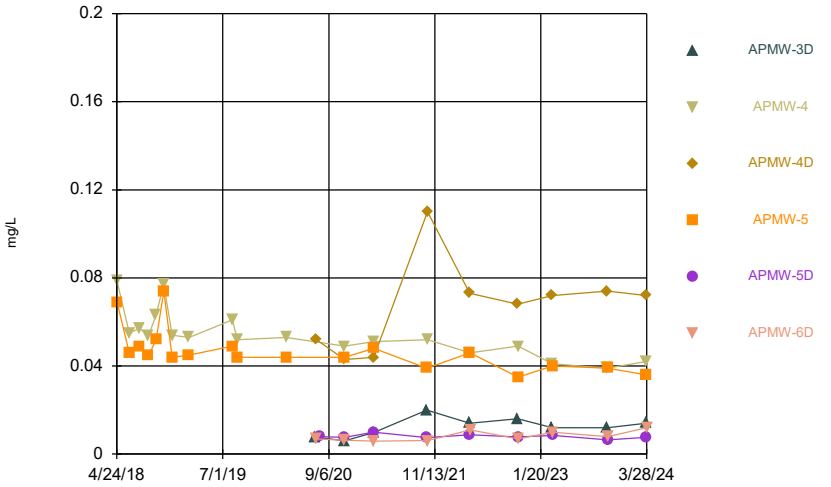
Time Series



Constituent: Lithium Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

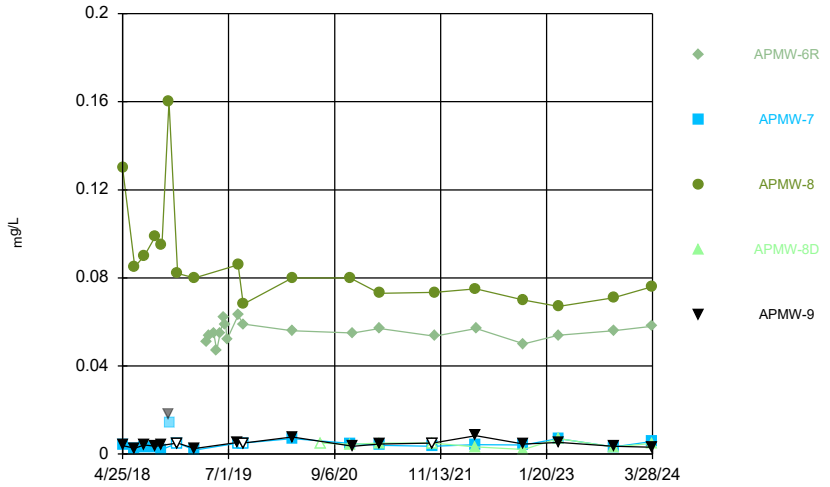
Time Series



Constituent: Lithium Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

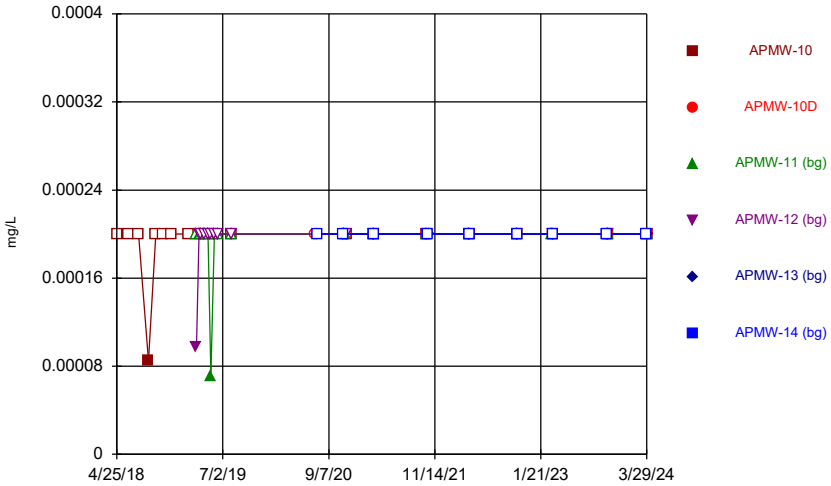
Time Series



Constituent: Lithium Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

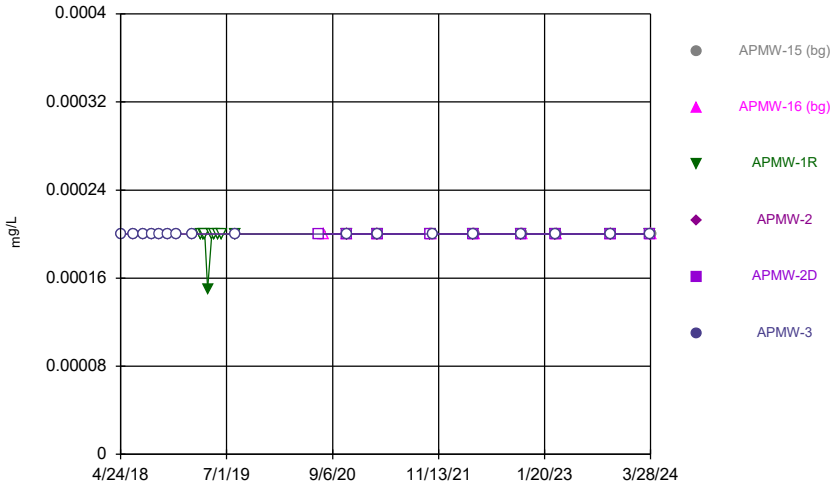
Time Series



Constituent: Mercury Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

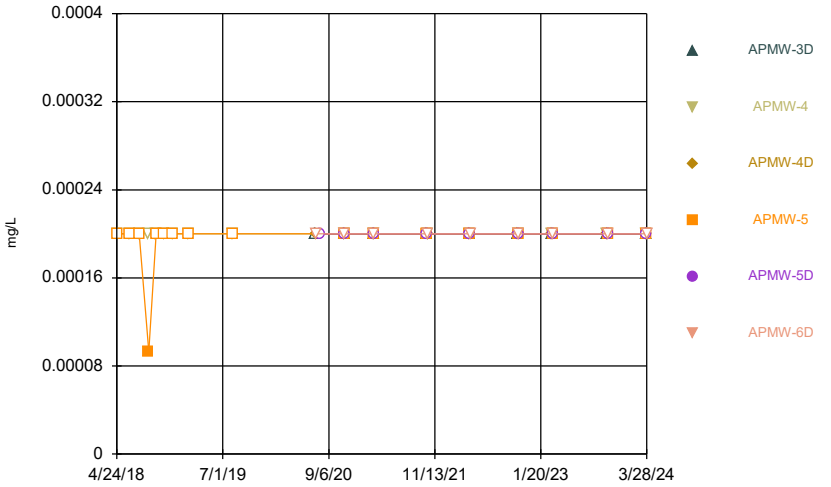
Time Series



Constituent: Mercury Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

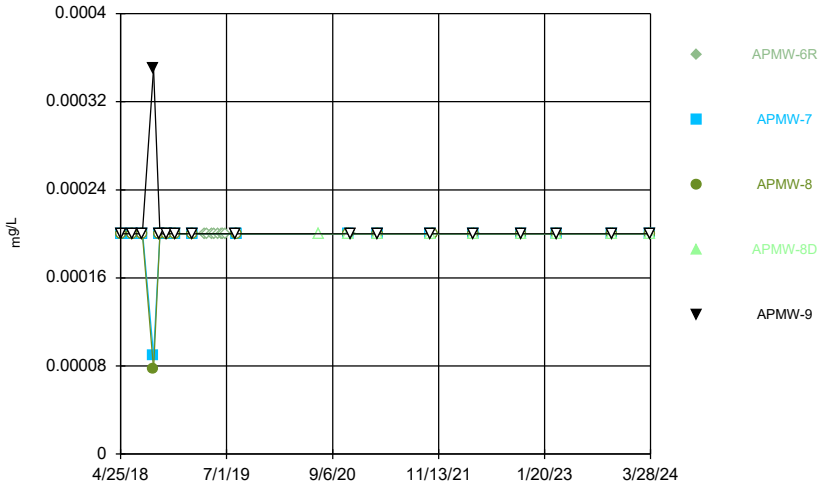
Time Series



Constituent: Mercury Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

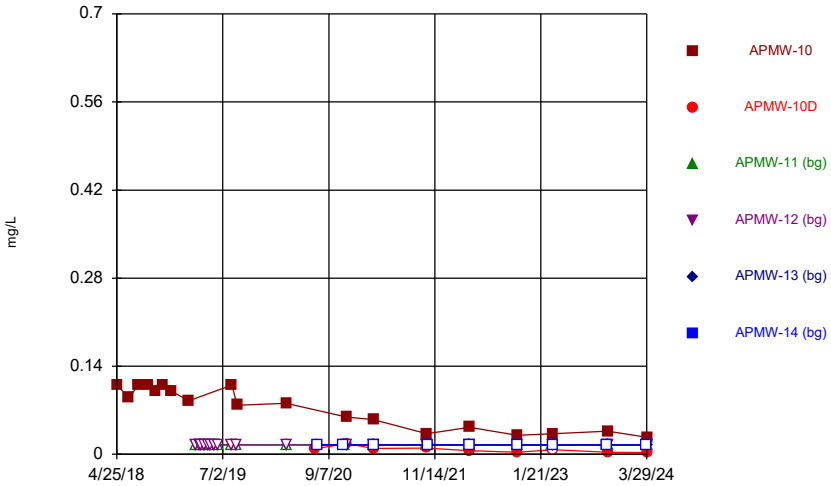
Time Series



Constituent: Mercury Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

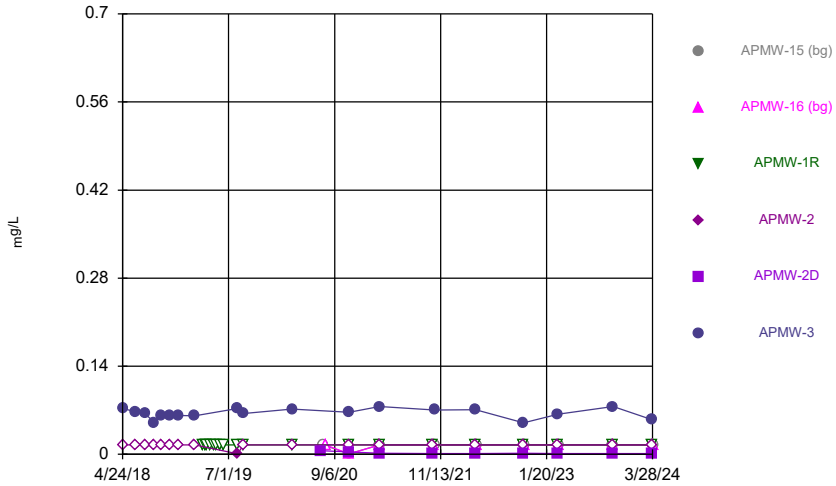
Time Series



Constituent: Molybdenum Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

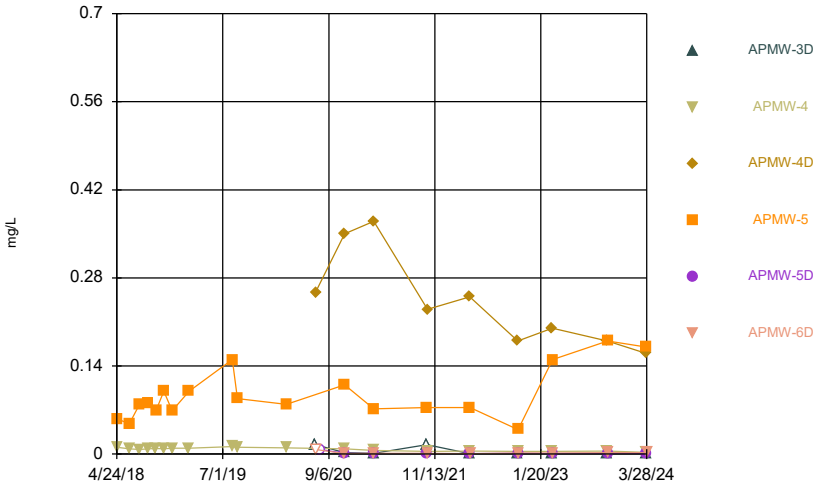
Time Series



Constituent: Molybdenum Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

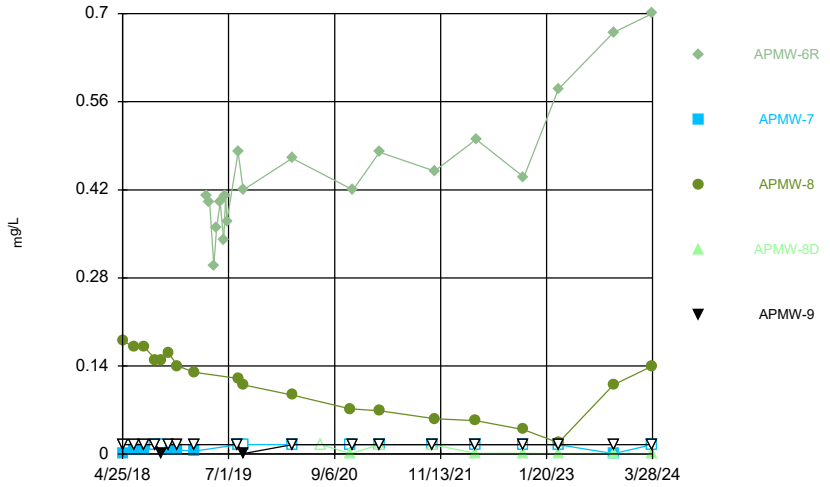
Time Series



Constituent: Molybdenum Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

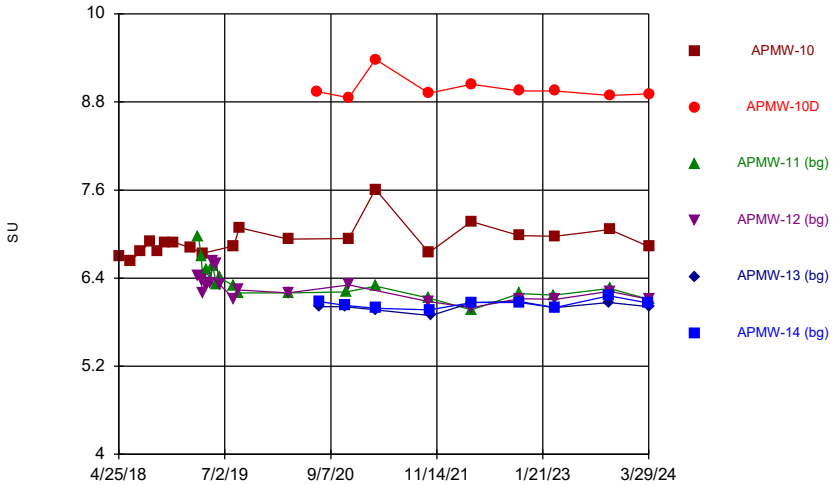
Time Series



Constituent: Molybdenum Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

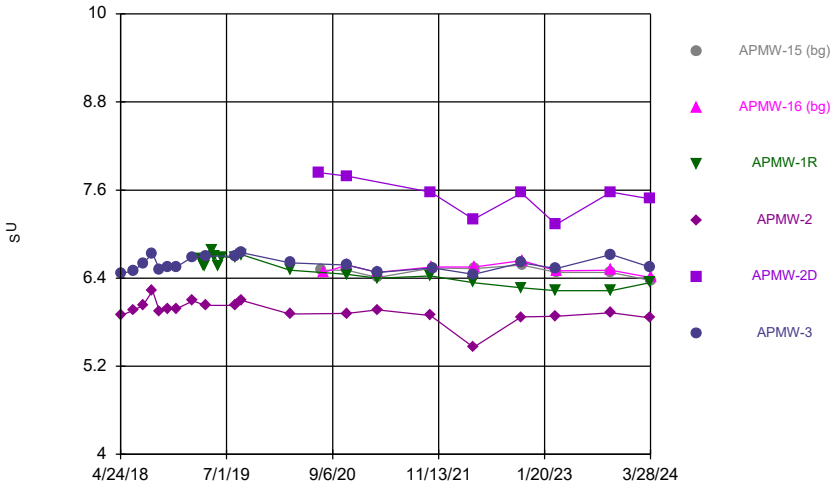
Time Series



Constituent: pH Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

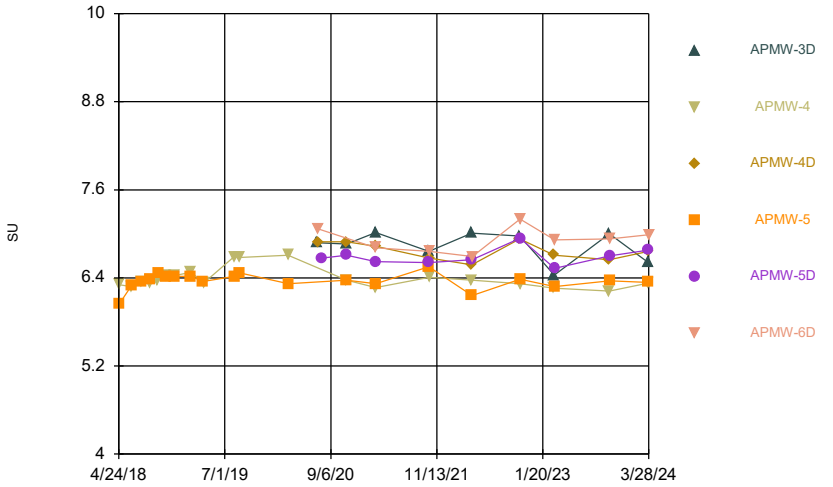
Time Series



Constituent: pH Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

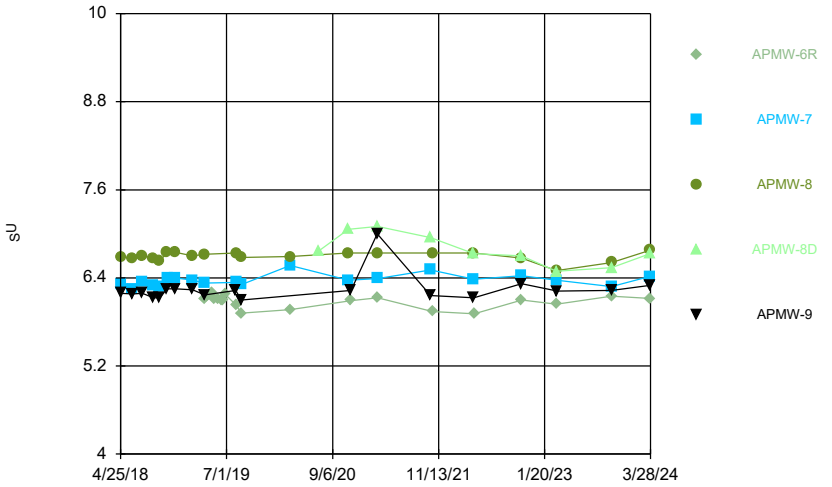
Time Series



Constituent: pH Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

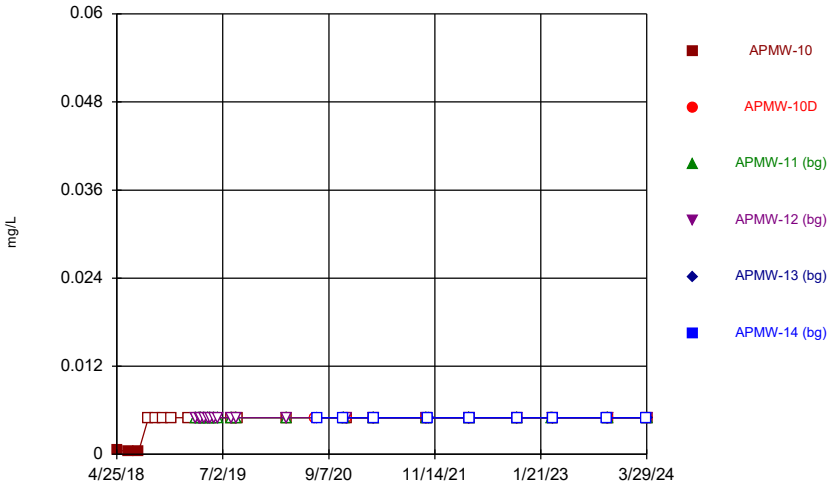
Time Series



Constituent: pH Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

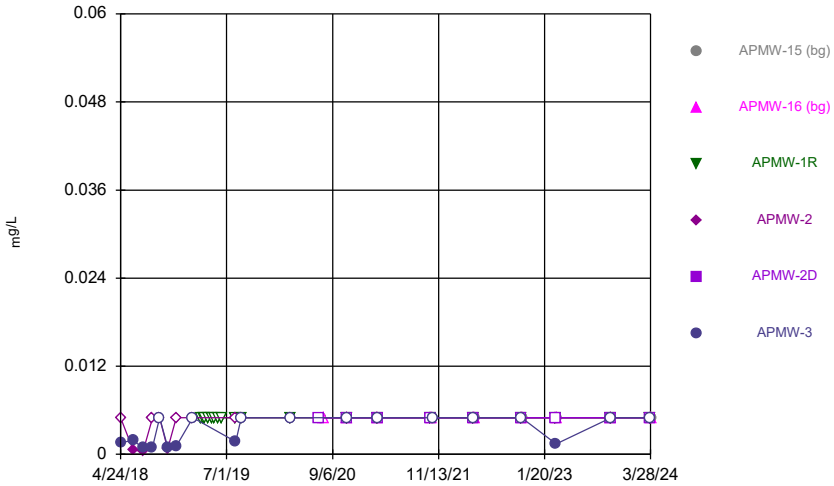
Time Series



Constituent: Selenium Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

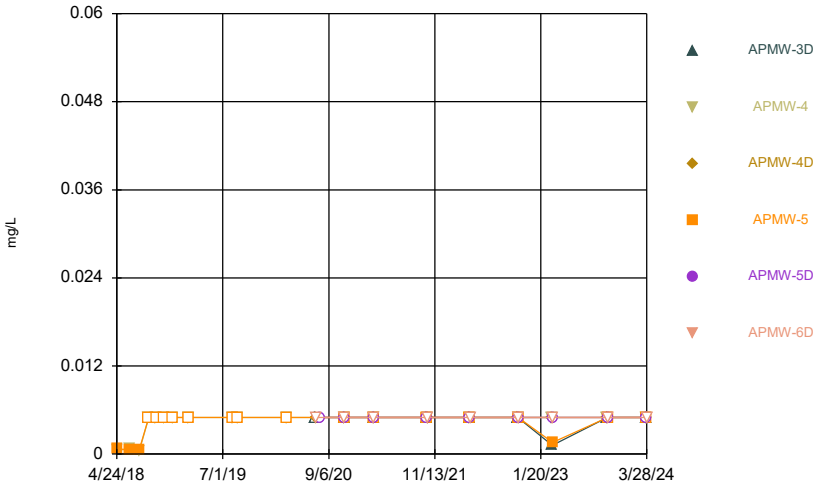
Time Series



Constituent: Selenium Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

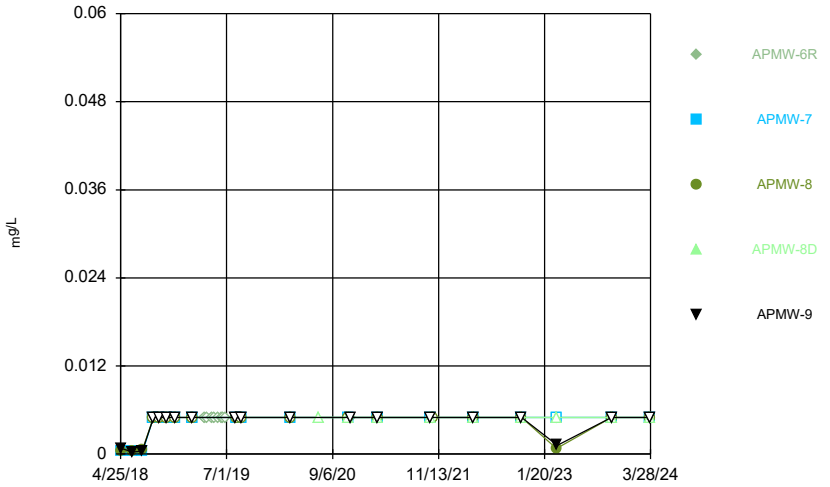
Time Series



Constituent: Selenium Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

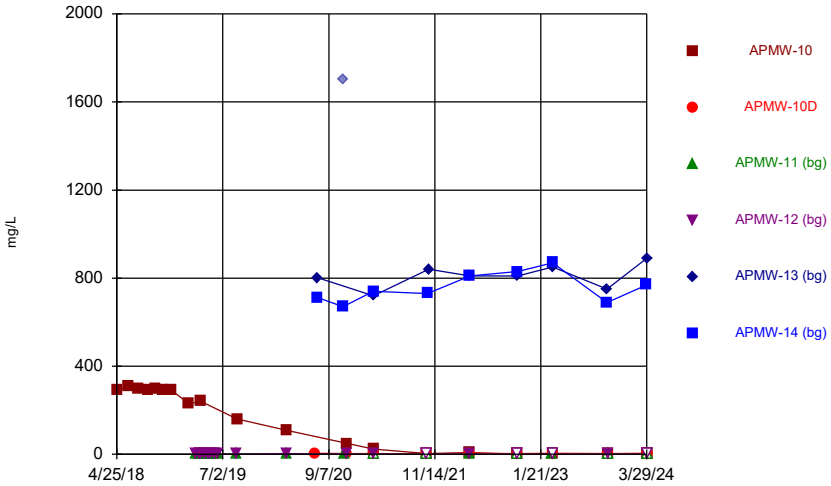
Time Series



Constituent: Selenium Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

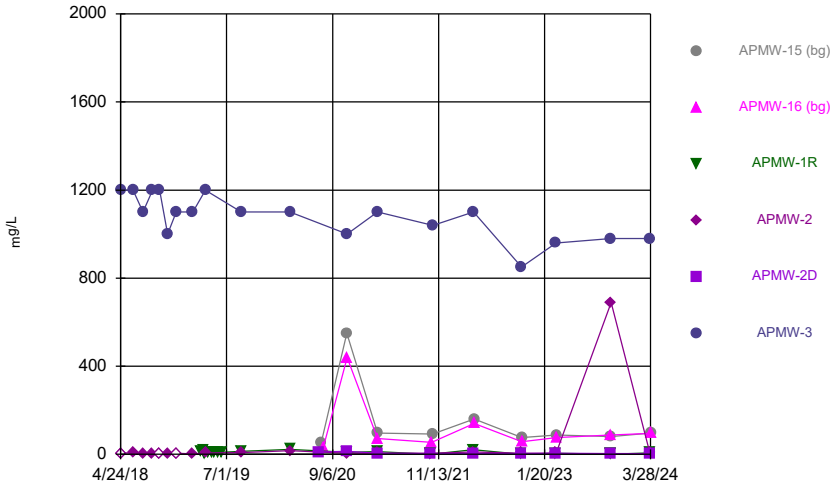
Time Series



Constituent: Sulfate Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

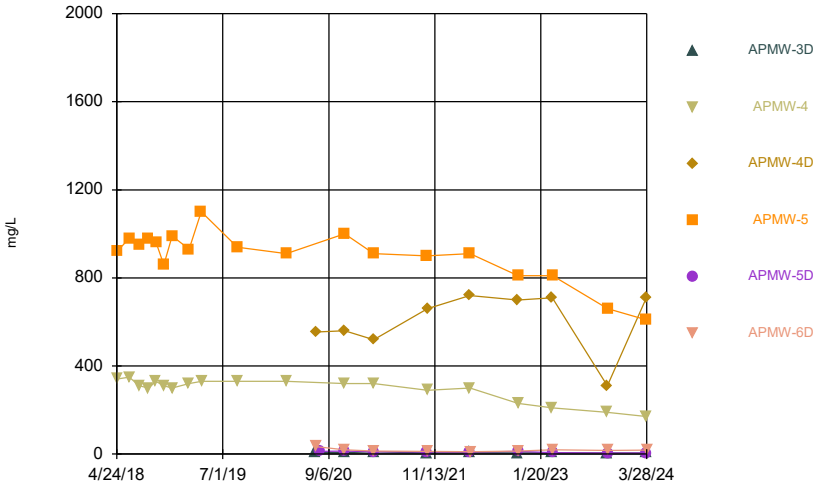
Time Series



Constituent: Sulfate Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

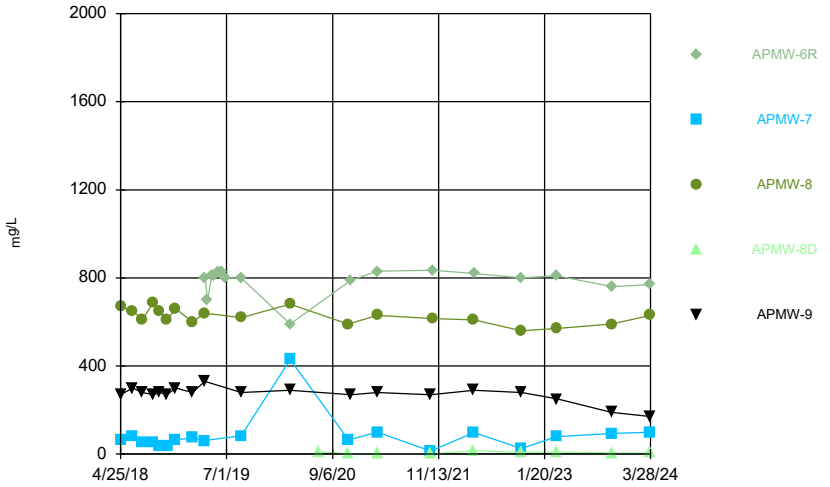
Time Series



Constituent: Sulfate Analysis Run 5/9/2024 1:01 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

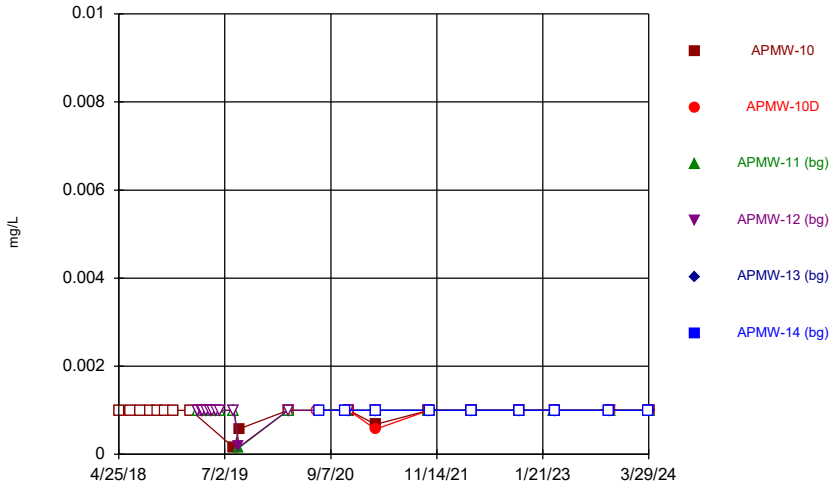
Time Series



Constituent: Sulfate Analysis Run 5/9/2024 1:02 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

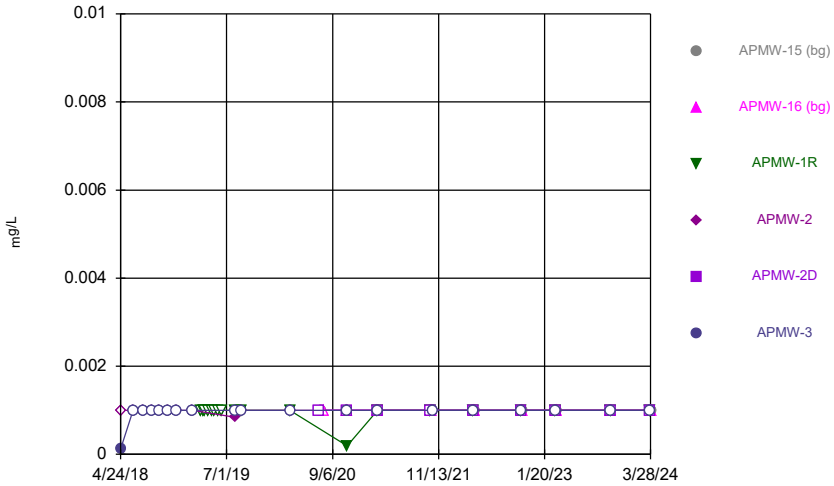
Time Series



Constituent: Thallium Analysis Run 5/9/2024 1:02 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

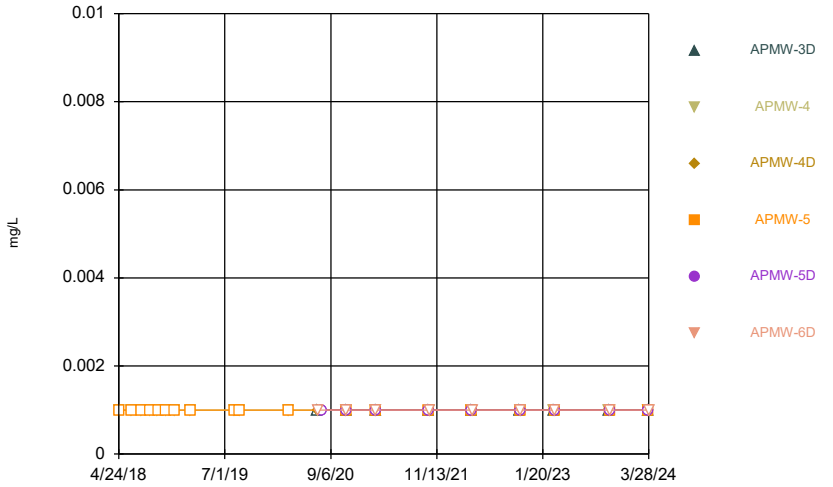
Time Series



Constituent: Thallium Analysis Run 5/9/2024 1:02 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

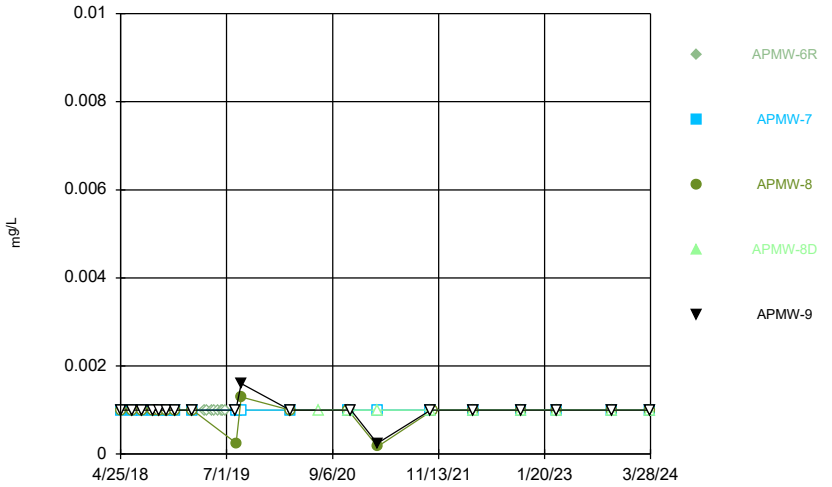
Time Series



Constituent: Thallium Analysis Run 5/9/2024 1:02 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

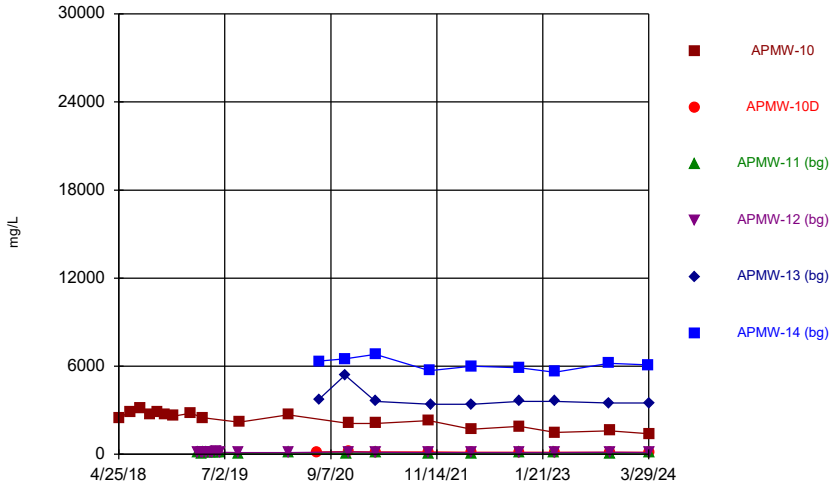
Time Series



Constituent: Thallium Analysis Run 5/9/2024 1:02 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Time Series

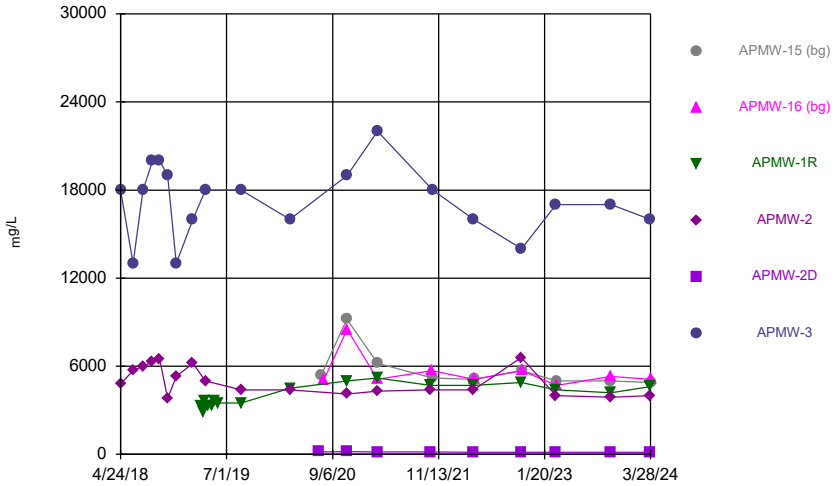


Constituent: Total Dissolved Solids Analysis Run 5/9/2024 1:02 PM

Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Time Series

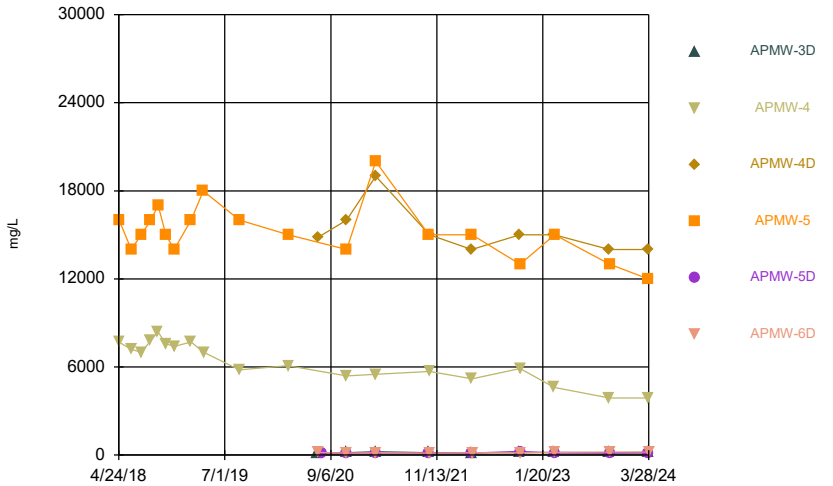


Constituent: Total Dissolved Solids Analysis Run 5/9/2024 1:02 PM

Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Time Series

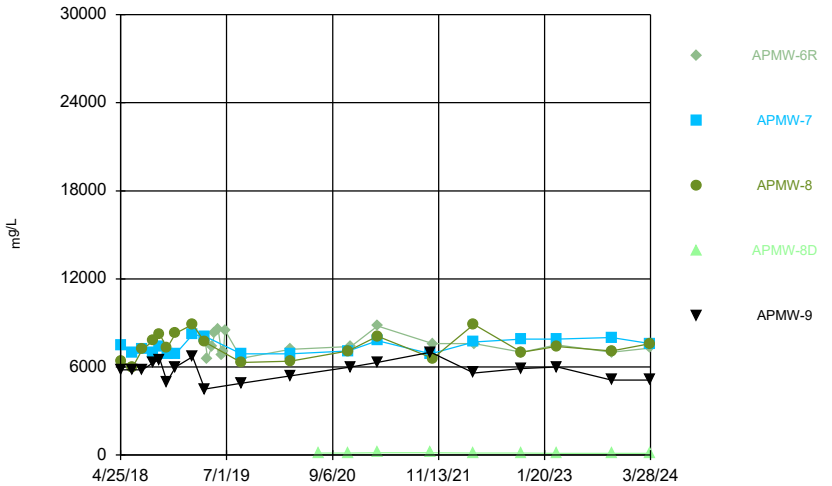


Constituent: Total Dissolved Solids Analysis Run 5/9/2024 1:02 PM

Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Time Series



Constituent: Total Dissolved Solids Analysis Run 5/9/2024 1:02 PM

Plant Watson Data: Plant Watson AP CCR

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	<0.002					
6/13/2018	<0.002					
7/23/2018	<0.002					
9/1/2018	<0.002					
10/2/2018	<0.002					
11/1/2018	<0.002					
12/6/2018	<0.002					
2/13/2019	<0.002					
3/16/2019			<0.002	<0.002		
3/27/2019			<0.002 (D)	<0.002 (D)		
4/3/2019			<0.002 (D)	<0.002 (D)		
4/16/2019			<0.002	<0.002		
5/3/2019			<0.002	<0.002		
5/14/2019			<0.002	<0.002		
5/29/2019			<0.002	<0.002		
6/12/2019			<0.002	<0.002		
8/8/2019	<0.002		<0.002	<0.002		
8/29/2019			<0.002	<0.002		
8/30/2019	<0.002					
3/17/2020	<0.002		<0.002	<0.002		
7/13/2020		<0.002				
7/21/2020					<0.002	<0.002
11/4/2020					<0.002	<0.002
11/9/2020			<0.002			
11/20/2020	<0.002	<0.002		<0.002		
3/8/2021	<0.002	<0.002			<0.002	<0.002
3/10/2021			<0.002	<0.002		
10/11/2021			<0.002	<0.002		
10/12/2021	<0.002	<0.002				
10/15/2021						<0.002
10/20/2021					<0.002	
4/4/2022			<0.002	<0.002		
4/5/2022	<0.002	<0.002				
4/7/2022					<0.002	<0.002
10/17/2022			<0.002	<0.002		
10/18/2022	<0.002	0.00053 (J)				
10/19/2022					<0.002	<0.002
3/7/2023			<0.002			
3/10/2023					<0.002	<0.002
3/13/2023	<0.002	<0.002				
3/14/2023				<0.002		
10/18/2023					<0.002	<0.002
10/21/2023	<0.002	<0.002	<0.002	<0.002		
3/28/2024						<0.002
3/29/2024	<0.002	<0.002	<0.002	<0.002	<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<0.002		<0.002
6/14/2018				<0.002		<0.002
7/24/2018				<0.002		<0.002
9/1/2018				<0.002		<0.002
10/1/2018				<0.002		<0.002
11/2/2018				<0.002		<0.002
12/7/2018				<0.002		<0.002
2/13/2019				<0.002		<0.002
3/16/2019			<0.002			
3/27/2019			<0.002			
4/3/2019			<0.002			
4/15/2019			<0.002			
5/2/2019			<0.002			
5/14/2019			<0.002			
5/28/2019			<0.002			
6/12/2019			<0.002			
8/8/2019			<0.002	0.0014 (J)		<0.002
8/30/2019			<0.002	<0.002		<0.002
3/16/2020			<0.002	<0.002		<0.002
7/11/2020					<0.002	
7/21/2020	<0.002					
7/30/2020		<0.002				
11/3/2020	<0.002					
11/4/2020		<0.002	<0.002			
11/5/2020				<0.002	<0.002	<0.002
3/8/2021	<0.002	<0.002	<0.002	<0.002	<0.002	
3/9/2021						<0.002
10/12/2021			<0.002	<0.002	<0.002	
10/15/2021		<0.002				
10/20/2021	<0.002					
10/21/2021						<0.002
4/4/2022			<0.002			
4/5/2022				<0.002	<0.002	<0.002
4/7/2022	<0.002	<0.002				
10/17/2022			<0.002	<0.002		
10/18/2022					<0.002	0.00059 (J)
10/19/2022	<0.002	0.00055 (J)				
3/8/2023			<0.002	<0.002	<0.002	<0.002
3/10/2023	<0.002	<0.002				
10/18/2023	<0.002	<0.002				
10/19/2023			<0.002	<0.002	<0.002	<0.002
3/25/2024			<0.002	<0.002	<0.002	<0.002
3/28/2024	<0.002	<0.002				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		<0.002				
4/25/2018				<0.002		
6/14/2018		<0.002		<0.002		
7/24/2018		<0.002		<0.002		
9/1/2018		<0.002		<0.002		
10/1/2018		<0.002				
10/2/2018				<0.002		
11/2/2018		<0.002		<0.002		
12/6/2018		<0.002		<0.002		
2/13/2019		<0.002		<0.002		
8/9/2019		<0.002		<0.002		
8/30/2019		<0.002		<0.002		
3/16/2020		<0.002				
3/17/2020				<0.002		
7/13/2020	<0.002					
7/14/2020			<0.002			<0.002
7/30/2020					<0.002	
11/9/2020	<0.002	<0.002	<0.002	<0.002	<0.002	
11/10/2020						<0.002
3/9/2021	<0.002	<0.002	<0.002	<0.002	<0.002	
3/10/2021						<0.002
10/11/2021	<0.002				<0.002	
10/12/2021				<0.002		
10/14/2021		<0.002	<0.002			<0.002
4/5/2022	<0.002		<0.002			
4/6/2022		<0.002		<0.002	<0.002	
4/7/2022						0.00075 (J)
10/18/2022	<0.002		<0.002			
10/19/2022		<0.002		<0.002	<0.002	<0.002
3/8/2023	<0.002	<0.002	<0.002			
3/9/2023				<0.002	<0.002	<0.002
10/19/2023	<0.002	<0.002	<0.002			
10/20/2023				<0.002	<0.002	<0.002
3/26/2024	<0.002	<0.002	<0.002	<0.002	<0.002	
3/28/2024						<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		<0.002	<0.002		<0.002
6/13/2018					<0.002
6/14/2018		<0.002	<0.002		
7/23/2018			<0.002		<0.002
7/24/2018		<0.002			
9/6/2018		<0.002	<0.002		<0.002
10/2/2018		<0.002	<0.002		<0.002
11/1/2018			<0.002		<0.002
11/2/2018		<0.002			
12/6/2018		<0.002	<0.002		<0.002
2/13/2019		<0.002	<0.002		<0.002
4/5/2019	<0.002 (D)				
4/15/2019	<0.002				
5/2/2019	<0.002				
5/14/2019	<0.002				
5/29/2019	<0.002				
6/12/2019	<0.002				
6/19/2019	<0.002				
6/25/2019	<0.002				
8/8/2019					<0.002
8/9/2019	<0.002	<0.002	<0.002		
8/30/2019	<0.002	<0.002	<0.002		<0.002
3/17/2020	<0.002	<0.002	<0.002		<0.002
7/13/2020				<0.002	
11/9/2020			<0.002		
11/10/2020		<0.002		<0.002	
11/20/2020	<0.002				<0.002
3/8/2021					<0.002
3/9/2021	<0.002	<0.002	<0.002	<0.002	
10/12/2021		<0.002		<0.002	<0.002
10/20/2021	<0.002				
10/21/2021			<0.002		
4/6/2022		<0.002	0.00066 (J)	<0.002	<0.002
4/7/2022	<0.002				
10/18/2022		<0.002	<0.002	<0.002	<0.002
10/19/2022	<0.002				
3/9/2023	<0.002	<0.002	<0.002	<0.002	
3/13/2023					<0.002
10/20/2023	<0.002	<0.002	<0.002	<0.002	<0.002
3/26/2024	<0.002	<0.002		<0.002	
3/28/2024			<0.002		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	0.13					
6/13/2018	0.11					
7/23/2018	0.13					
9/1/2018	0.12					
10/2/2018	0.11					
11/1/2018	0.11					
12/6/2018	0.12					
2/13/2019	0.098					
3/16/2019			0.00062 (J)	0.00084 (J)		
3/27/2019			<0.005 (D)	<0.005 (D)		
4/3/2019			<0.005 (D)	0.0013 (D)		
4/16/2019			<0.005	0.0013		
5/3/2019			<0.005	0.0011 (J)		
5/14/2019			<0.005	0.00061 (J)		
5/29/2019			0.00037 (J)	0.0011		
6/12/2019			0.00056 (J)	0.0013		
8/8/2019	0.11		<0.005	0.001		
8/29/2019			<0.005	0.00041 (J)		
8/30/2019	0.079					
3/17/2020	0.093		<0.005	0.00043 (J)		
7/13/2020		0.0116				
7/21/2020					<0.005	0.00215
11/4/2020					0.00032 (J)	<0.005
11/9/2020			<0.005			
11/20/2020	0.072	0.019		0.00042 (J)		
3/8/2021	0.047	0.01			<0.005	<0.005
3/10/2021			<0.005	0.00039 (J)		
10/11/2021			<0.005	0.00031 (J)		
10/12/2021	0.028	0.011				
10/15/2021						0.00058 (J)
10/20/2021					<0.005	
4/4/2022			<0.005	0.00044 (J)		
4/5/2022	0.039	0.016				
4/7/2022					<0.005	<0.005
10/17/2022			<0.005	0.00034 (J)		
10/18/2022	0.037	0.0054				
10/19/2022					<0.005	0.00033 (J)
3/7/2023			<0.005			
3/10/2023					<0.005	0.00034 (J)
3/13/2023	0.032	<0.005				
3/14/2023				<0.005		
10/18/2023					<0.005	<0.005
10/21/2023	0.037	0.007 (J)	<0.005	<0.005		
3/28/2024						0.00029 (J)
3/29/2024	0.032	0.007	<0.005	<0.005	<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				0.00077 (J)		0.084
6/14/2018				<0.005		0.081
7/24/2018				<0.005		0.093
9/1/2018				<0.005		0.099
10/1/2018				0.00094 (J)		0.077
11/2/2018				0.0012 (J)		0.067
12/7/2018				<0.005		0.063
2/13/2019				<0.005		0.065
3/16/2019			0.0021			
3/27/2019			0.0019			
4/3/2019			0.0019			
4/15/2019			0.0025			
5/2/2019			0.0019			
5/14/2019			0.0027			
5/28/2019			<0.005			
6/12/2019			0.0023			
8/8/2019			0.0012	0.00035 (J)		0.074
8/30/2019			0.0011	<0.005		0.07
3/16/2020			0.00085 (J)	<0.005		0.071
7/11/2020					0.00374	
7/21/2020	0.00277					
7/30/2020		0.00496				
11/3/2020	0.0013					
11/4/2020		0.0036	0.00069 (J)			
11/5/2020				<0.005	0.0033	0.064
3/8/2021	0.00073 (J)	0.00072 (J)	0.0005 (J)	<0.005	0.0032	
3/9/2021						0.042
10/12/2021			<0.005	<0.005	0.0027	
10/15/2021		0.0007 (J)				
10/20/2021	0.00079 (JD)					
10/21/2021						0.0445 (D)
4/4/2022			0.0004 (J)			
4/5/2022				<0.005	0.0029	0.047
4/7/2022	0.00063 (J)	0.00078 (J)				
10/17/2022			0.00031 (J)	<0.005		
10/18/2022					0.0028	0.061
10/19/2022	0.00062 (J)	0.0011				
3/8/2023			0.0004 (J)	<0.005	0.0032	0.072
3/10/2023	0.00078 (J)	0.00073 (J)				
10/18/2023	0.00094 (J)	0.0016 (J)				
10/19/2023			<0.005	<0.005	0.0032 (J)	0.096
3/25/2024			0.00062 (J)	<0.005	0.0023	0.072
3/28/2024	0.00094 (J)	0.0012				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		0.019				
4/25/2018				0.24		
6/14/2018		0.018		0.22		
7/24/2018		0.018		0.23		
9/1/2018		0.017		0.22		
10/1/2018		0.017				
10/2/2018				0.21		
11/2/2018		0.018		0.26		
12/6/2018		0.018		0.23		
2/13/2019		0.019		0.23		
8/9/2019		0.018		0.24		
8/30/2019		0.016		0.2		
3/16/2020		0.017				
3/17/2020				0.21		
7/13/2020	0.002					
7/14/2020			0.00773			0.00412
7/30/2020					0.00958	
11/9/2020	0.0033	0.018	0.0043	0.26	0.012	
11/10/2020						0.0041
3/9/2021	0.0035	0.016	0.0059	0.21	0.013	
3/10/2021						0.0045
10/11/2021	0.0037				0.013	
10/12/2021				0.21		
10/14/2021		0.012	0.0046			0.0055
4/5/2022	0.0028		0.0044			
4/6/2022		0.011		0.21	0.016	
4/7/2022						0.0052
10/18/2022	0.0037		0.0028			
10/19/2022		0.0073		0.18	0.014	0.0031
3/8/2023	0.0027	0.0075	0.0031			
3/9/2023				0.22	0.016	0.0041
10/19/2023	0.0033 (J)	0.0076 (J)	0.0039 (J)			
10/20/2023				0.25	0.022	0.0055 (J)
3/26/2024	0.0039	0.0041	0.0033	0.21	0.019	
3/28/2024						0.0051

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		0.0021	0.097		0.0016
6/13/2018					0.001 (J)
6/14/2018		0.0015	0.089		
7/23/2018			0.094		0.0011 (J)
7/24/2018		0.0015			
9/6/2018		0.0013	0.082		0.0011 (J)
10/2/2018		0.0014	0.075		0.0015
11/1/2018			0.081		0.0014
11/2/2018		0.0028			
12/6/2018		0.0033	0.079		0.0016
2/13/2019		0.0012 (J)	0.077		0.0013
4/5/2019	0.13 (D)				
4/15/2019	0.13				
5/2/2019	0.089				
5/14/2019	0.13				
5/29/2019	0.12				
6/12/2019	0.13				
6/19/2019	0.16				
6/25/2019	0.13				
8/8/2019					0.0012
8/9/2019	0.16	0.00053 (J)	0.052		
8/30/2019	0.17	0.00044 (J)	0.05		0.0011
3/17/2020	0.18	0.00053 (J)	0.043		0.001
7/13/2020				0.000995 (J)	
11/9/2020			0.036		
11/10/2020		0.00058 (J)		0.0034	
11/20/2020	0.18				0.0012
3/8/2021					0.0015
3/9/2021	0.21	0.00045 (J)	0.035	0.0045	
10/12/2021		0.00044 (J)		0.0044	0.0013
10/20/2021	0.2 (D)				
10/21/2021			0.026 (D)		
4/6/2022		0.00048 (J)	0.023	0.0028	0.0013
4/7/2022	0.21				
10/18/2022		0.00066 (J)	0.02	0.0027	0.0014
10/19/2022	0.21				
3/9/2023	0.22	0.00051 (J)	0.011	0.0021	
3/13/2023					0.0014
10/20/2023	0.29	0.00098 (J)	0.016	0.0028 (J)	0.0012 (J)
3/26/2024	0.3	0.00068 (J)		0.0031	
3/28/2024			0.019		0.0012

Time Series

Constituent: Barium (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	0.26					
6/13/2018	0.3					
7/23/2018	0.24					
9/1/2018	0.25					
10/2/2018	0.23					
11/1/2018	0.23					
12/6/2018	0.24					
2/13/2019	0.26					
3/16/2019			0.09	0.069		
3/27/2019			0.095 (D)	0.079 (D)		
4/3/2019			0.085 (D)	0.075 (D)		
4/16/2019			0.081	0.072		
5/3/2019			0.074	0.076		
5/14/2019			0.083	0.076		
5/29/2019			0.04	0.091		
6/12/2019			0.066	0.083		
8/8/2019	0.24		0.053	0.065		
8/29/2019			0.043	0.071		
8/30/2019	0.2					
3/17/2020	0.25		0.037	0.07		
7/13/2020		0.0358				
7/21/2020					0.212	0.243
11/4/2020					0.11	0.22
11/9/2020			0.038			
11/20/2020	0.27	0.032		0.065		
3/8/2021	0.32	0.026			0.24	0.21
3/10/2021			0.038	0.06		
10/11/2021			0.037	0.06		
10/12/2021	0.34	0.027				
10/15/2021						0.22
10/20/2021					0.25	
4/4/2022			0.037	0.062		
4/5/2022	0.37	0.027				
4/7/2022					0.24	0.23
10/17/2022			0.037	0.057		
10/18/2022	0.37	0.027				
10/19/2022					0.23	0.19
3/7/2023			0.034			
3/10/2023					0.22	0.19
3/13/2023	0.38	<0.01				
3/14/2023				0.062		
10/18/2023					0.21	0.25
10/21/2023	0.32	0.026	0.038	0.065		
3/28/2024						0.21
3/29/2024	0.34	0.025	0.037	0.065	0.2	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Barium (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				2.8		0.097
6/14/2018				3.1		0.11
7/24/2018				3		0.1
9/1/2018				2.9		0.12
10/1/2018				4		0.1
11/2/2018				3.1		0.1
12/7/2018				3.3		0.11
2/13/2019				2.9		0.1
3/16/2019			0.89			
3/27/2019			1.1			
4/3/2019			1.1			
4/15/2019			0.98			
5/2/2019			0.94			
5/14/2019			1			
5/28/2019			1			
6/12/2019			0.91			
8/8/2019			0.93	3.2		0.1
8/30/2019			0.91	2.7		0.1
3/16/2020			1.2	3.2		0.1
7/11/2020					0.0418	
7/21/2020	0.059					
7/30/2020		0.0659				
11/3/2020	0.054					
11/4/2020		0.076	1.4			
11/5/2020				3.2	0.038	0.1
3/8/2021	0.048	0.063	1.3	3.3	0.037	
3/9/2021						0.1
10/12/2021			1.5	3.3	0.04	
10/15/2021		0.067				
10/20/2021	0.049					
10/21/2021						0.095
4/4/2022			1.6			
4/5/2022				3.6	0.049	0.098
4/7/2022	0.048	0.067				
10/17/2022			1.7	3.4		
10/18/2022					0.067	0.096
10/19/2022	0.043	0.069				
3/8/2023			1.8	3.6	0.06	0.11
3/10/2023	0.045	0.055				
10/18/2023	0.048	0.082				
10/19/2023			1.9	3.9	0.068	0.071
3/25/2024			1.6	3.9	0.066	0.099
3/28/2024	0.036	0.067				

Time Series

Constituent: Barium (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		0.46				
4/25/2018				0.093		
6/14/2018		0.5		0.11		
7/24/2018		0.54		0.093		
9/1/2018		0.53		0.1		
10/1/2018		0.5				
10/2/2018				0.1		
11/2/2018		0.5		0.12		
12/6/2018		0.43		0.1		
2/13/2019		0.45		0.1		
8/9/2019		0.33		0.11		
8/30/2019		0.29		0.086		
3/16/2020		0.27				
3/17/2020				0.1		
7/13/2020	0.135					
7/14/2020			0.342			0.107
7/30/2020					0.0659	
11/9/2020	0.14	0.23	0.24	0.1	0.069	
11/10/2020						0.077
3/9/2021	0.16	0.22	0.21	0.1	0.059	
3/10/2021						0.087
10/11/2021	0.18				0.052	
10/12/2021				0.1		
10/14/2021		0.21	0.13			0.1
4/5/2022	0.18		0.097			
4/6/2022		0.17		0.11	0.053	
4/7/2022						0.13
10/18/2022	0.19		0.088			
10/19/2022		0.23		0.1	0.053	0.073
3/8/2023	0.16	0.17	0.083			
3/9/2023				0.11	0.043	0.15
10/19/2023	0.18	0.16	0.088			
10/20/2023				0.11	0.044	0.16
3/26/2024	0.17	0.14	0.082	0.097	0.041	
3/28/2024						0.19

Time Series

Constituent: Barium (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		0.66	0.2		0.42
6/13/2018					0.45
6/14/2018		0.74	0.22		
7/23/2018			0.2		0.42
7/24/2018		0.72			
9/6/2018		0.79	0.22		0.45
10/2/2018		0.93	0.21		0.43
11/1/2018			0.21		0.43
11/2/2018		1.1			
12/6/2018		0.7	0.22		0.44
2/13/2019		0.59	0.23		0.44
4/5/2019	0.071 (D)				
4/15/2019	0.067				
5/2/2019	0.071				
5/14/2019	0.068				
5/29/2019	0.067 (J)				
6/12/2019	0.064 (J)				
6/19/2019	0.059 (J)				
6/25/2019	0.057 (J)				
8/8/2019					0.42
8/9/2019	0.058	0.76	0.2		
8/30/2019	0.052	0.56	0.2		0.42
3/17/2020	0.05	0.53	0.21		0.49
7/13/2020				0.192	
11/9/2020			0.23		
11/10/2020		0.77		0.12	
11/20/2020	0.048				0.48
3/8/2021					0.47
3/9/2021	0.055	0.53	0.22	0.15	
10/12/2021		0.97		0.14	0.49
10/20/2021	0.048				
10/21/2021			0.23		
4/6/2022		0.61	0.24	0.12	0.52
4/7/2022	0.043 (J)				
10/18/2022		0.97	0.24	0.1	0.5
10/19/2022	0.044				
3/9/2023	0.046	0.65	0.3	0.1	
3/13/2023					0.55
10/20/2023	0.048	0.7	0.3	0.082	0.4
3/26/2024	0.042	0.58		0.075	
3/28/2024			0.23		0.64

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	<0.0025					
6/13/2018	<0.0025					
7/23/2018	<0.0025					
9/1/2018	<0.0025					
10/2/2018	<0.0025					
11/1/2018	<0.0025					
12/6/2018	<0.0025					
2/13/2019	<0.0025					
3/16/2019			<0.0025	<0.0025		
3/27/2019			<0.0025 (D)	<0.0025 (D)		
4/3/2019			<0.0025 (D)	<0.0025 (D)		
4/16/2019			<0.0025	<0.0025		
5/3/2019			<0.0025	<0.0025		
5/14/2019			<0.0025	<0.0025		
5/29/2019			0.00019 (J)	<0.0025		
6/12/2019			<0.0025	<0.0025		
8/8/2019	<0.0025		<0.0025	<0.0025		
8/29/2019			0.0002 (J)	0.00023 (J)		
8/30/2019	0.00043 (J)					
3/17/2020	<0.0025		<0.0025	<0.0025		
7/13/2020		<0.0025				
7/21/2020					<0.0025	<0.0025
11/4/2020					<0.0025	<0.0025
11/9/2020			<0.0025			
11/20/2020	<0.0025	<0.0025		<0.0025		
3/8/2021	0.00076 (J)	0.00057 (J)			<0.0025	<0.0025
3/10/2021			<0.0025	<0.0025		
10/11/2021			<0.0025	<0.0025		
10/12/2021	<0.0025	<0.0025				
10/15/2021						<0.0025
10/20/2021					<0.0025	
4/4/2022			<0.0025	<0.0025		
4/5/2022	<0.0025	<0.0025				
4/7/2022					<0.0025	<0.0025
10/17/2022			<0.0025	<0.0025		
10/18/2022	<0.0025	<0.0025				
10/19/2022					<0.0025	<0.0025
3/7/2023			<0.0025			
3/10/2023					<0.0025	<0.0025
3/13/2023	<0.0025	<0.0025				
3/14/2023				<0.0025		
10/18/2023					<0.0025	<0.0025
10/21/2023	<0.0025	<0.0025	<0.0025	<0.0025		
3/28/2024						<0.0025
3/29/2024	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<0.0025		<0.0025
6/14/2018				<0.0025		<0.0025
7/24/2018				<0.0025		<0.0025
9/1/2018				<0.0025		<0.0025
10/1/2018				<0.0025		<0.0025
11/2/2018				<0.0025		<0.0025
12/7/2018				<0.0025		<0.0025
2/13/2019				<0.0025		<0.0025
3/16/2019			<0.0025			
3/27/2019			<0.0025			
4/3/2019			<0.0025			
4/15/2019			<0.0025			
5/2/2019			<0.0025			
5/14/2019			<0.0025			
5/28/2019			<0.0025			
6/12/2019			<0.0025			
8/8/2019			<0.0025	0.00061 (J)		<0.0025
8/30/2019			0.00019 (J)	0.00023 (J)		0.00018 (J)
3/16/2020			<0.0025	<0.0025		<0.0025
7/11/2020					<0.0025	
7/21/2020	<0.0025					
7/30/2020		<0.0025				
11/3/2020	<0.0025					
11/4/2020		<0.0025	<0.0025			
11/5/2020				<0.0025	<0.0025	<0.0025
3/8/2021	<0.0025	<0.0025	<0.0025	0.00018 (J)	<0.0025	
3/9/2021						<0.0025
10/12/2021			<0.0025	<0.0025	<0.0025	
10/15/2021		<0.0025				
10/20/2021	<0.0025					
10/21/2021						<0.0025
4/4/2022			<0.0025			
4/5/2022				<0.0025	<0.0025	<0.0025
4/7/2022	<0.0025	<0.0025				
10/17/2022			<0.0025	<0.0025		
10/18/2022					<0.0025	<0.0025
10/19/2022	<0.0025	<0.0025				
3/8/2023			<0.0025	<0.0025	<0.0025	<0.0025
3/10/2023	<0.0025	<0.0025				
10/18/2023	<0.0025	<0.0025				
10/19/2023			<0.0025	0.0003 (J)	<0.0025	<0.0025
3/25/2024			<0.0025	<0.0025	<0.0025	<0.0025
3/28/2024	<0.0025	<0.0025				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		<0.0025				
4/25/2018				<0.0025		
6/14/2018		<0.0025		<0.0025		
7/24/2018		<0.0025		<0.0025		
9/1/2018		<0.0025		<0.0025		
10/1/2018		<0.0025				
10/2/2018				<0.0025		
11/2/2018		<0.0025		<0.0025		
12/6/2018		<0.0025		<0.0025		
2/13/2019		<0.0025		<0.0025		
8/9/2019		<0.0025		<0.0025		
8/30/2019		<0.0025		<0.0025		
3/16/2020		<0.0025				
3/17/2020				<0.0025		
7/13/2020	<0.0025					
7/14/2020			<0.0025			<0.0025
7/30/2020					<0.0025	
11/9/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
11/10/2020						<0.0025
3/9/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
3/10/2021						<0.0025
10/11/2021	<0.0025				<0.0025	
10/12/2021				<0.0025		
10/14/2021		<0.0025	<0.0025			<0.0025
4/5/2022	<0.0025		<0.0025			
4/6/2022		<0.0025		<0.0025	<0.0025	
4/7/2022						<0.0025
10/18/2022	<0.0025		<0.0025			
10/19/2022		<0.0025		<0.0025	<0.0025	<0.0025
3/8/2023	<0.0025	<0.0025	<0.0025			
3/9/2023				<0.0025	<0.0025	<0.0025
10/19/2023	<0.0025	<0.0025	<0.0025			
10/20/2023				<0.0025	<0.0025	<0.0025
3/26/2024	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
3/28/2024						<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		<0.0025	<0.0025		<0.0025
6/13/2018					<0.0025
6/14/2018		<0.0025	<0.0025		
7/23/2018			<0.0025		<0.0025
7/24/2018		<0.0025			
9/6/2018		<0.0025	<0.0025		<0.0025
10/2/2018		<0.0025	<0.0025		<0.0025
11/1/2018			<0.0025		<0.0025
11/2/2018		<0.0025			
12/6/2018		<0.0025	<0.0025		<0.0025
2/13/2019		<0.0025	<0.0025		<0.0025
4/5/2019	<0.0025 (D)				
4/15/2019	<0.0025				
5/2/2019	<0.0025				
5/14/2019	<0.0025				
5/29/2019	<0.0025				
6/12/2019	<0.0025				
6/19/2019	<0.0025				
6/25/2019	<0.0025				
8/8/2019					<0.0025
8/9/2019	<0.0025	<0.0025	<0.0025		
8/30/2019	0.00036 (J)	0.00025 (J)	0.00038 (J)		0.00049 (J)
3/17/2020	<0.0025	<0.0025	<0.0025		<0.0025
7/13/2020				<0.0025	
11/9/2020			<0.0025		
11/10/2020		<0.0025		<0.0025	
11/20/2020	<0.0025				<0.0025
3/8/2021					0.00024 (J)
3/9/2021	<0.0025	<0.0025	<0.0025	<0.0025	
10/12/2021		<0.0025		<0.0025	<0.0025
10/20/2021	<0.0025				
10/21/2021			<0.0025		
4/6/2022		<0.0025	<0.0025	<0.0025	<0.0025
4/7/2022	<0.0025				
10/18/2022		<0.0025	<0.0025	<0.0025	<0.0025
10/19/2022	<0.0025				
3/9/2023	<0.0025	<0.0025	0.0003 (J)	<0.0025	
3/13/2023					0.00027 (J)
10/20/2023	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/26/2024	<0.0025	<0.0025		<0.0025	
3/28/2024			<0.0025		<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	1.7					
6/13/2018	1.7					
7/23/2018	2					
9/1/2018	1.9					
10/2/2018	1.8					
11/1/2018	1.8					
12/6/2018	1.9					
2/13/2019	2.4					
3/16/2019			0.028 (J)	0.035 (J)		
3/27/2019			0.027 (JD)	0.033 (JD)		
4/3/2019			0.089 (D)	0.023 (JD)		
4/4/2019	1.8					
4/16/2019			<0.08	<0.08		
5/3/2019			<0.08	0.021 (J)		
5/14/2019			<0.08	<0.08		
5/29/2019			0.034 (J)	0.044 (J)		
6/12/2019			0.05 (J)	0.047 (J)		
8/29/2019			<0.08	<0.08		
8/30/2019	1.9					
3/17/2020	1.9		0.057 (J)	0.057 (J)		
7/13/2020		0.105				
7/21/2020					0.58	0.718
11/4/2020					0.88	0.85
11/9/2020			<0.08			
11/20/2020	1.8	0.22		0.098		
3/8/2021	1.8	0.14			0.63	0.71
3/10/2021			<0.08	0.046 (J)		
10/11/2021			0.053 (J)	0.045 (J)		
10/12/2021	1.9	0.14				
10/15/2021						0.78
10/20/2021					0.64	
4/4/2022			0.11	0.082		
4/5/2022	2.1	0.15				
4/7/2022					0.61	0.71
10/17/2022			<0.08	<0.08		
10/18/2022	2.4	0.21				
10/19/2022					0.66	0.75
3/7/2023			<0.08			
3/10/2023					0.66	0.69
3/13/2023	2.1	0.11				
3/14/2023				<0.08		
10/18/2023					0.62	0.77
10/21/2023	2.7	0.19 (J)	0.056 (J)	0.047 (J)		
3/28/2024						0.84
3/29/2024	2.4	0.17	<0.08	<0.08	0.54	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				4.1		5.3
6/14/2018				4		5.1
7/24/2018				4.3		5.5
9/1/2018				4		4.9
10/1/2018				4		5
11/2/2018				3.5		4.6
12/7/2018				3.9		4.8
2/13/2019				4.4		6
3/16/2019			4.5			
3/27/2019			5.2			
4/3/2019			5.3			
4/5/2019				3.6		4.5
4/15/2019			5.9			
5/2/2019			5.3			
5/14/2019			5.5			
5/28/2019			5.7			
6/12/2019			4.4			
8/30/2019			6.2	3.7		5
3/16/2020			7.2	3.7		5.3
7/11/2020					0.0771	
7/21/2020	0.609					
7/30/2020		0.62				
11/3/2020	1.2					
11/4/2020		1.2	6.8			
11/5/2020				3.6	0.12	5.1
3/8/2021	0.59	0.6	7.3	3.5	0.094	
3/9/2021						5.5
10/12/2021			7.2	3.8	0.37	
10/15/2021		0.77				
10/20/2021	0.65					
10/21/2021						5.1
4/4/2022			6.6			
4/5/2022				3.7	0.11	6.3
4/7/2022	0.61	0.58				
10/17/2022			1.3	3.1		
10/18/2022					0.16	5.6
10/19/2022	0.73	0.71				
3/8/2023			5.3	3.6	0.11	5.7
3/10/2023	0.66	0.67				
10/18/2023	0.72	0.71				
10/19/2023			5	3.4	0.17 (J)	5
3/25/2024			6.7	3.7	0.09	5.5
3/28/2024	0.86	1				

Time Series

Constituent: Boron (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		1.9				
4/25/2018				6.9		
6/14/2018		1.9		6.8		
7/24/2018		1.9		6.9		
9/1/2018		1.7		6.2		
10/1/2018		1.7				
10/2/2018				6.5		
11/2/2018		1.7		5.5		
12/6/2018		1.7		5.7		
2/13/2019		1.7		7.6		
4/4/2019				5.8		
4/5/2019		1.6				
8/30/2019		1.6		6.1		
3/16/2020		1.6				
3/17/2020				6.6		
7/13/2020	0.0613					
7/14/2020			3.55			0.0574
7/30/2020					0.0792	
11/9/2020	0.072 (J)	1.3	3.6	5.8	0.062 (J)	
11/10/2020						0.068 (J)
3/9/2021	0.099	1.2	3.3	6.1	0.083	
3/10/2021						0.076 (J)
10/11/2021	0.073 (J)				0.11	
10/12/2021				6.1		
10/14/2021		1.2	3.5			0.077
4/5/2022	0.091		4			
4/6/2022		1.1		5.8	0.086	
4/7/2022						0.089
10/18/2022	0.11		3.4			
10/19/2022		1.3		6.5	0.14	0.13
3/8/2023	0.13	0.89	3.9			
3/9/2023				6.6	0.083	0.11
10/19/2023	0.15 (J)	0.93	3.2			
10/20/2023				6	0.086 (J)	0.088 (J)
3/26/2024	0.14	0.92	4.6	6.3	<0.08	
3/28/2024						0.076 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		1	23		6.8
6/13/2018					6.6
6/14/2018		0.91	21		
7/23/2018			22		6.8
7/24/2018		1			
9/6/2018		1.1	21		6.5
10/2/2018		0.95	21		6.5
11/1/2018			19		5.6
11/2/2018		0.82			
12/6/2018		1.1	20		6.4
2/13/2019		0.95	27		8.4
4/4/2019		0.98	20		6.1
4/5/2019	8.9 (D)				
4/15/2019	10				
5/2/2019	10				
5/14/2019	9.3				
5/29/2019	9.5				
6/12/2019	11				
6/19/2019	9.5				
6/25/2019	11				
8/30/2019	11	0.88	19		7.1
3/17/2020	11	0.98	20		7.1
7/13/2020				0.042 (J)	
11/9/2020			21		
11/10/2020		0.94		0.076 (J)	
11/20/2020	9.5				6.5
3/8/2021					6.5
3/9/2021	12	0.91	21	0.095	
10/12/2021		1.2		0.077 (J)	6.7
10/20/2021	11				
10/21/2021			22		
4/6/2022		1.4	19	0.066 (J)	5.9
4/7/2022	10				
10/18/2022		1.2	23	0.14	7.1
10/19/2022	11				
3/9/2023	11	0.87	19	0.091	
3/13/2023					6.2
10/20/2023	13	1.1	21	0.049 (J)	7
3/26/2024	13	1.3		<0.08	
3/28/2024			21		7.8

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	<0.0025					
6/13/2018	<0.0025					
7/23/2018	<0.0025					
9/1/2018	<0.0025					
10/2/2018	<0.0025					
11/1/2018	<0.0025					
12/6/2018	<0.0025					
2/13/2019	<0.0025					
3/16/2019			<0.0025	<0.0025		
3/27/2019			<0.0025 (D)	<0.0025 (D)		
4/3/2019			<0.0025 (D)	<0.0025 (D)		
4/16/2019			<0.0025	<0.0025		
5/3/2019			<0.0025	<0.0025		
5/14/2019			<0.0025	<0.0025		
5/29/2019			<0.0025	<0.0025		
6/12/2019			<0.0025	<0.0025		
8/8/2019	<0.0025		<0.0025	<0.0025		
8/29/2019			<0.0025	<0.0025		
8/30/2019	<0.0025					
3/17/2020	<0.0025		<0.0025	<0.0025		
7/13/2020		<0.0025				
7/21/2020					<0.0025	<0.0025
11/4/2020					<0.0025	<0.0025
11/9/2020			<0.0025			
11/20/2020	<0.0025	<0.0025		<0.0025		
3/8/2021	0.00025 (J)	0.00025 (J)			<0.0025	<0.0025
3/10/2021			<0.0025	<0.0025		
10/11/2021			<0.0025	<0.0025		
10/12/2021	<0.0025	<0.0025				
10/15/2021						<0.0025
10/20/2021					<0.0025	
4/4/2022			<0.0025	<0.0025		
4/5/2022	<0.0025	<0.0025				
4/7/2022					<0.0025	<0.0025
10/17/2022			<0.0025	<0.0025		
10/18/2022	<0.0025	<0.0025				
10/19/2022					<0.0025	<0.0025
3/7/2023			<0.0025			
3/10/2023					<0.0025	<0.0025
3/13/2023	<0.0025	<0.0025				
3/14/2023				<0.0025		
10/18/2023					<0.0025	<0.0025
10/21/2023	<0.0025	<0.0025	<0.0025	<0.0025		
3/28/2024						<0.0025
3/29/2024	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<0.0025		<0.0025
6/14/2018				<0.0025		<0.0025
7/24/2018				<0.0025		<0.0025
9/1/2018				<0.0025		<0.0025
10/1/2018				<0.0025		<0.0025
11/2/2018				<0.0025		<0.0025
12/7/2018				<0.0025		<0.0025
2/13/2019				<0.0025		<0.0025
3/16/2019			<0.0025			
3/27/2019			<0.0025			
4/3/2019			<0.0025			
4/15/2019			0.00045 (J)			
5/2/2019			<0.0025			
5/14/2019			<0.0025			
5/28/2019			<0.0025			
6/12/2019			<0.0025			
8/8/2019			<0.0025	<0.0025		<0.0025
8/30/2019			<0.0025	<0.0025		<0.0025
3/16/2020			<0.0025	<0.0025		<0.0025
7/11/2020					<0.0025	
7/21/2020	<0.0025					
7/30/2020		0.000355 (J)				
11/3/2020	<0.0025					
11/4/2020		<0.0025	<0.0025			
11/5/2020				<0.0025	<0.0025	<0.0025
3/8/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
3/9/2021						<0.0025
10/12/2021			<0.0025	<0.0025	<0.0025	
10/15/2021		<0.0025				
10/20/2021	<0.0025					
10/21/2021						<0.0025
4/4/2022			<0.0025			
4/5/2022				<0.0025	<0.0025	<0.0025
4/7/2022	<0.0025	<0.0025				
10/17/2022			<0.0025	<0.0025		
10/18/2022					<0.0025	<0.0025
10/19/2022	<0.0025	<0.0025				
3/8/2023			<0.0025	<0.0025	<0.0025	<0.0025
3/10/2023	<0.0025	<0.0025				
10/18/2023	<0.0025	<0.0025				
10/19/2023			<0.0025	<0.0025	<0.0025	<0.0025
3/25/2024			<0.0025	<0.0025	<0.0025	<0.0025
3/28/2024	<0.0025	<0.0025				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		<0.0025				
4/25/2018				<0.0025		
6/14/2018		<0.0025		<0.0025		
7/24/2018		<0.0025		<0.0025		
9/1/2018		<0.0025		<0.0025		
10/1/2018		<0.0025				
10/2/2018				<0.0025		
11/2/2018		<0.0025		<0.0025		
12/6/2018		<0.0025		<0.0025		
2/13/2019		<0.0025		<0.0025		
8/9/2019		<0.0025		<0.0025		
8/30/2019		<0.0025		<0.0025		
3/16/2020		<0.0025				
3/17/2020				<0.0025		
7/13/2020	<0.0025					
7/14/2020			<0.0025			<0.0025
7/30/2020					<0.0025	
11/9/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
11/10/2020						<0.0025
3/9/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
3/10/2021						<0.0025
10/11/2021	<0.0025				<0.0025	
10/12/2021				<0.0025		
10/14/2021		<0.0025	<0.0025			<0.0025
4/5/2022	<0.0025		<0.0025			
4/6/2022		<0.0025		<0.0025	<0.0025	
4/7/2022						<0.0025
10/18/2022	<0.0025		<0.0025			
10/19/2022		<0.0025		<0.0025	<0.0025	<0.0025
3/8/2023	<0.0025	<0.0025	<0.0025			
3/9/2023				<0.0025	<0.0025	<0.0025
10/19/2023	<0.0025	<0.0025	<0.0025			
10/20/2023				<0.0025	<0.0025	<0.0025
3/26/2024	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
3/28/2024						<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		<0.0025	<0.0025		<0.0025
6/13/2018					<0.0025
6/14/2018		<0.0025	<0.0025		
7/23/2018			<0.0025		<0.0025
7/24/2018		<0.0025			
9/6/2018		<0.0025	<0.0025		<0.0025
10/2/2018		<0.0025	<0.0025		<0.0025
11/1/2018			<0.0025		<0.0025
11/2/2018		<0.0025			
12/6/2018		<0.0025	<0.0025		<0.0025
2/13/2019		<0.0025	<0.0025		<0.0025
4/5/2019	<0.0025 (D)				
4/15/2019	<0.0025				
5/2/2019	<0.0025				
5/14/2019	<0.0025				
5/29/2019	<0.0025				
6/12/2019	<0.0025				
6/19/2019	<0.0025				
6/25/2019	<0.0025				
8/8/2019					<0.0025
8/9/2019	0.00014 (J)	<0.0025	<0.0025		
8/30/2019	0.00026 (J)	<0.0025	<0.0025		<0.0025
3/17/2020	<0.0025	<0.0025	<0.0025		<0.0025
7/13/2020				<0.0025	
11/9/2020			<0.0025		
11/10/2020		<0.0025		<0.0025	
11/20/2020	<0.0025				<0.0025
3/8/2021					<0.0025
3/9/2021	<0.0025	<0.0025	<0.0025	<0.0025	
10/12/2021		<0.0025		<0.0025	<0.0025
10/20/2021	<0.0025				
10/21/2021			<0.0025		
4/6/2022		<0.0025	<0.0025	<0.0025	<0.0025
4/7/2022	<0.0025				
10/18/2022		<0.0025	<0.0025	<0.0025	<0.0025
10/19/2022	<0.0025				
3/9/2023	<0.0025	<0.0025	<0.0025	<0.0025	
3/13/2023					<0.0025
10/20/2023	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/26/2024	<0.0025	<0.0025		<0.0025	
3/28/2024			<0.0025		<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	68					
6/13/2018	79					
7/23/2018	73					
9/1/2018	68					
10/2/2018	71					
11/1/2018	67					
12/6/2018	65					
2/13/2019	64					
3/16/2019			17	13		
3/27/2019			16 (D)	15 (D)		
4/3/2019			15 (D)	13 (D)		
4/4/2019	80					
4/16/2019			13	12		
5/3/2019			12	13		
5/14/2019			14	13		
5/29/2019			7	15		
6/12/2019			13	14		
8/29/2019			9.4	12		
8/30/2019	53					
3/17/2020	59		9.8	12		
7/13/2020		2.62				
7/21/2020					97.7	127
11/4/2020					110	120
11/9/2020			11			
11/20/2020	53	2.9		12		
3/8/2021	47	3.4			92	110
3/10/2021			12	12		
10/11/2021			11	12		
10/12/2021	52	3.6				
10/15/2021						110
10/20/2021					97	
4/4/2022			11	12		
4/5/2022	42	2.5				
4/7/2022					96	110
10/17/2022			9.5	10		
10/18/2022	46	2.7				
10/19/2022					100	110
3/7/2023			9.7			
3/10/2023					91	110
3/13/2023	46	<0.5				
3/14/2023				12		
10/18/2023					87	130
10/21/2023	44	2.7	10	12		
3/28/2024						130
3/29/2024	45	2.6	13	13	100	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				310		320
6/14/2018				360		310
7/24/2018				370		360
9/1/2018				390		320
10/1/2018				380		360
11/2/2018				320		310
12/7/2018				330		320
2/13/2019				320		300
3/16/2019			130			
3/27/2019			140			
4/3/2019			140			
4/5/2019				310		290
4/15/2019			130			
5/2/2019			130			
5/14/2019			140			
5/28/2019			150			
6/12/2019			130			
8/30/2019			160	340		320
3/16/2020			200	350		310
7/11/2020					3.66	
7/21/2020	81.7					
7/30/2020		99.2				
11/3/2020	120					
11/4/2020		130	200			
11/5/2020				350	4.6	370
3/8/2021	69	69	210	350	3.6	
3/9/2021						350
10/12/2021			200	360	4.1	
10/15/2021		75				
10/20/2021	68 (D)					
10/21/2021						350 (D)
4/4/2022			200			
4/5/2022				380	3.3	330
4/7/2022	64	67				
10/17/2022			200	360		
10/18/2022					2.6	310
10/19/2022	65	82				
3/8/2023			190	370	2.8	320
3/10/2023	60	57				
10/18/2023	61	73				
10/19/2023			180	340	2.8	270
3/25/2024			200	360	2.7	290
3/28/2024	58	75				

Time Series

Constituent: Calcium (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		190				
4/25/2018				350		
6/14/2018		200		340		
7/24/2018		210		340		
9/1/2018		220		360		
10/1/2018		210				
10/2/2018				310		
11/2/2018		190		310		
12/6/2018		190		330		
2/13/2019		180		310		
4/4/2019				270		
4/5/2019		170				
8/30/2019		170		320		
3/16/2020		170				
3/17/2020				330		
7/13/2020	5.41					
7/14/2020			220			6.42
7/30/2020					1.34	
11/9/2020	10	160	220	330	1.7	
11/10/2020						8.1
3/9/2021	13	160	240	340	1.5	
3/10/2021						5.3
10/11/2021	11				1.3	
10/12/2021				310		
10/14/2021		150	240			6.1
4/5/2022	10		230			
4/6/2022		130		320	1.2	
4/7/2022						10
10/18/2022	13		260			
10/19/2022		140		340	3.5	6
3/8/2023	10	120	230			
3/9/2023				310	1.1	12
10/19/2023	13	97	200			
10/20/2023				290	1.1 (J)	13
3/26/2024	13	96	220	250	1.1	
3/28/2024						22

Time Series

Constituent: Calcium (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		93	560		320
6/13/2018					300
6/14/2018		110	490		
7/23/2018			520		320
7/24/2018		100			
9/6/2018		98	510		310
10/2/2018		93	470		290
11/1/2018			460		280
11/2/2018		110			
12/6/2018		94	490		310
2/13/2019		95	470		300
4/4/2019		98	440		270
4/5/2019	440 (D)				
4/15/2019	390				
5/2/2019	400				
5/14/2019	420				
5/29/2019	450				
6/12/2019	440				
6/19/2019	450				
6/25/2019	450				
8/30/2019	460	90	460		310
3/17/2020	420	110	470		310
7/13/2020				10.5	
11/9/2020			470		
11/10/2020		99		13	
11/20/2020	420				290
3/8/2021					300
3/9/2021	460	120	480	13	
10/12/2021		84		9.4	300
10/20/2021	400 (D)				
10/21/2021			495 (D)		
4/6/2022		110	460	7.7	300
4/7/2022	390				
10/18/2022		100	520	6.1	330
10/19/2022	400				
3/9/2023	370	110	470	6.6	
3/13/2023					300
10/20/2023	320	100	490	5.4	250
3/26/2024	340	100		5.9	
3/28/2024			520		290

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	1300					
6/13/2018	1400					
7/23/2018	1200					
9/1/2018	1400					
10/2/2018	1400					
11/1/2018	1300					
12/6/2018	1300					
2/13/2019	1200					
3/16/2019			9.3	14		
3/27/2019			8.2 (D)	15 (D)		
4/3/2019			8.7 (D)	15 (D)		
4/4/2019	1200					
4/16/2019			8.7	14		
5/3/2019			9.3	15		
5/14/2019			8.8	15		
5/29/2019			8.8	14		
6/12/2019			8.8	15		
8/29/2019			8.1	14		
8/30/2019	1200					
3/17/2020	1100		8.2	14		
7/13/2020		4.73				
7/21/2020					1470	2920
11/4/2020					5400	3100
11/9/2020			9.1			
11/20/2020	1000	4.6		16		
3/8/2021	920	4.3			1600	3000
3/10/2021			8.9	15		
10/11/2021			8.9	15		
10/12/2021	860	4.2				
10/15/2021						2800
10/20/2021					3400	
4/4/2022			8.4	14		
4/5/2022	760	4.1				
4/7/2022					1400	2900
10/17/2022			7.5	13		
10/18/2022	680	4.3				
10/19/2022					1400	2900
3/7/2023			7.7			
3/10/2023					1300	2700
3/13/2023	620	5				
3/14/2023				14		
10/18/2023					1300	3200
10/21/2023	630	4	9	13		
3/28/2024						3000
3/29/2024	570	4.2	8.7	13	1400	

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				2800		11000
6/14/2018				2700		11000
7/24/2018				2800		11000
9/1/2018				2800		10000
10/1/2018				2800		11000
11/2/2018				2700		11000
12/7/2018				2700		12000
2/13/2019				2800		9800
3/16/2019			1900			
3/27/2019			1900			
4/3/2019			1900			
4/5/2019				2600		9900
4/15/2019			1900			
5/2/2019			1900			
5/14/2019			2000			
5/28/2019			1900			
6/12/2019			2000			
8/30/2019			2100	2500		9800
3/16/2020			2600	2500		10000
7/11/2020					5.74	
7/21/2020	2910					
7/30/2020		2830				
11/3/2020	4900					
11/4/2020		4700	4700			
11/5/2020				5100	5.4	9600
3/8/2021	2900	2600	2500	2500	5.1	
3/9/2021						10000
10/12/2021			2300	2400	4.6	
10/15/2021		3100				
10/20/2021	4100 (D)					
10/21/2021						9400 (D)
4/4/2022			2500			
4/5/2022				2600	4.9	9300
4/7/2022	3000	3100				
10/17/2022			2400	2500		
10/18/2022					4.4	8500
10/19/2022	2700	3000				
3/8/2023			2300	2400	4.7	8800
3/10/2023	2800	2600				
10/18/2023	2900	3200				
10/19/2023			2300	6900	5.2	8800
3/25/2024			2500	2500	4.6	9400
3/28/2024	2800	2900				

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		4000				
4/25/2018				8500		
6/14/2018		4000		8700		
7/24/2018		3900		8700		
9/1/2018		4200		8900		
10/1/2018		4200				
10/2/2018				9300		
11/2/2018		4000		8900		
12/6/2018		4000		9000		
2/13/2019		3800		8600		
4/4/2019				8600		
4/5/2019		3900				
8/30/2019		3600		8700		
3/16/2020		3400				
3/17/2020				8900		
7/13/2020	6.04					
7/14/2020			9830			10.5
7/30/2020					10.2	
11/9/2020	<1	3200	9300	9400	9.4	
11/10/2020						10
3/9/2021	49	3100	9100	8700	8.5	
3/10/2021						8.6
10/11/2021	17				7.5	
10/12/2021				8300		
10/14/2021		2900	8400			10
4/5/2022	15		8200			
4/6/2022		2800		8400	8.2	
4/7/2022						19
10/18/2022	23		8400			
10/19/2022		2500		8200	64	11
3/8/2023	16	2400	7800			
3/9/2023				7800	7.4	20
10/19/2023	24	2100	3100			
10/20/2023				7300	7.2	26
3/26/2024	22	2100	7500	7100	6.7	
3/28/2024						42

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		3900	3400		2800
6/13/2018					3100
6/14/2018		4100	3600		
7/23/2018			3500		3000
7/24/2018		3900			
9/6/2018		4000	3600		3000
10/2/2018		4000	3800		3100
11/1/2018			3600		3000
11/2/2018		3800			
12/6/2018		4300	3700		3100
2/13/2019		4200	3500		3000
4/4/2019		3700	3500		3100
4/5/2019	4000 (D)				
4/15/2019	3400				
5/2/2019	4100				
5/14/2019	4200				
5/29/2019	4200				
6/12/2019	4200				
6/19/2019	4000				
6/25/2019	4000				
8/30/2019	4100	4000	3400		2800
3/17/2020	6000	4600	3700		3100
7/13/2020				9.1	
11/9/2020			3600		
11/10/2020		4200		9	
11/20/2020	4300				3100
3/8/2021					3100
3/9/2021	4000	4600	3600	8.2	
10/12/2021		3800		10	3000
10/20/2021	4050 (D)				
10/21/2021			3550 (D)		
4/6/2022		4200	3400	7.3	2900
4/7/2022	3900				
10/18/2022		4000	3300	6.1	2900
10/19/2022	4000				
3/9/2023	3700	4200	3300	6.7	
3/13/2023					2900
10/20/2023	3300	3900	3400	7.2	2900
3/26/2024	3500	4100		7.9	
3/28/2024			3600		2800

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	<0.002					
6/13/2018	<0.002					
7/23/2018	<0.002					
9/1/2018	<0.002					
10/2/2018	<0.002					
11/1/2018	<0.002					
12/6/2018	<0.002					
2/13/2019	<0.002					
3/16/2019			<0.002	<0.002		
3/27/2019			<0.002 (D)	<0.002 (D)		
4/3/2019			<0.002 (D)	<0.002 (D)		
4/16/2019			<0.002	<0.002		
5/3/2019			<0.002	<0.002		
5/14/2019			<0.002	<0.002		
5/29/2019			<0.002	<0.002		
6/12/2019			0.0022	0.0022		
8/8/2019	<0.002		<0.002	<0.002		
7/13/2020		<0.002				
7/21/2020					<0.002	<0.002
11/4/2020					<0.002	<0.002
11/9/2020			<0.002			
11/20/2020	<0.002	<0.002		<0.002		
3/8/2021	<0.002	<0.002			<0.002	<0.002
3/10/2021			0.0044	<0.002		
10/11/2021			<0.002	<0.002		
10/12/2021	<0.002	<0.002				
10/15/2021						<0.002
10/20/2021					<0.002	
4/4/2022			<0.002	<0.002		
4/5/2022	<0.002	<0.002				
4/7/2022					<0.002	<0.002
10/17/2022			<0.002	<0.002		
10/18/2022	<0.002	<0.002				
10/19/2022					<0.002	<0.002
3/7/2023			<0.002			
3/10/2023					<0.002	<0.002
3/13/2023	<0.002	<0.002				
3/14/2023				<0.002		
10/18/2023					0.0014 (J)	<0.002
10/21/2023	<0.002	<0.002	<0.002	<0.002		
3/28/2024						<0.002
3/29/2024	<0.002	<0.002	<0.002	<0.002	<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<0.002		<0.002
6/14/2018				<0.002		<0.002
7/24/2018				<0.002		<0.002
9/1/2018				<0.002		0.0014 (J)
10/1/2018				<0.002		<0.002
11/2/2018				<0.002		<0.002
12/7/2018				<0.002		<0.002
2/13/2019				<0.002		<0.002
3/16/2019			<0.002			
3/27/2019			<0.002			
4/3/2019			<0.002			
4/15/2019			<0.002			
5/2/2019			<0.002			
5/14/2019			<0.002			
5/28/2019			<0.002			
6/12/2019			0.0032			
8/8/2019			<0.002	<0.002		<0.002
7/11/2020					0.00157 (J)	
7/21/2020	0.00152 (J)					
7/30/2020		<0.002				
11/3/2020	<0.002					
11/4/2020		<0.002	<0.002			
11/5/2020				<0.002	<0.002	<0.002
3/8/2021	<0.002	<0.002	<0.002	<0.002	<0.002	
3/9/2021						<0.002
10/12/2021			<0.002	<0.002	<0.002	
10/15/2021		<0.002				
10/20/2021	<0.002					
10/21/2021						<0.002
4/4/2022			<0.002			
4/5/2022				<0.002	<0.002	<0.002
4/7/2022	<0.002	<0.002				
10/17/2022			<0.002	<0.002		
10/18/2022					<0.002	<0.002
10/19/2022	0.0015 (J)	0.0018 (J)				
3/8/2023			<0.002	<0.002	<0.002	<0.002
3/10/2023	0.0015 (J)	<0.002				
10/18/2023	0.0021 (J)	0.0037 (J)				
10/19/2023			<0.002	<0.002	<0.002	<0.002
3/25/2024			<0.002	<0.002	<0.002	<0.002
3/28/2024	<0.002	<0.002				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		0.0016 (J)				
4/25/2018				0.0013 (J)		
6/14/2018		0.002 (J)		0.0012 (J)		
7/24/2018		0.0022 (J)		<0.002		
9/1/2018		0.0025		0.0024 (J)		
10/1/2018		0.0028				
10/2/2018				0.0015 (J)		
11/2/2018		0.0026		0.0014 (J)		
12/6/2018		0.0012 (J)		<0.002		
2/13/2019		0.0013 (J)		<0.002		
8/9/2019		<0.002		<0.002		
7/13/2020	<0.002					
7/14/2020			<0.002			<0.002
7/30/2020					0.00378	
11/9/2020	<0.002	<0.002	<0.002	<0.002	0.0019 (J)	
11/10/2020						<0.002
3/9/2021	<0.002	<0.002	<0.002	<0.002	<0.002	
3/10/2021						<0.002
10/11/2021	<0.002				<0.002	
10/12/2021				<0.002		
10/14/2021		<0.002	<0.002			<0.002
4/5/2022	<0.002		<0.002			
4/6/2022		<0.002		<0.002	<0.002	
4/7/2022						<0.002
10/18/2022	<0.002		<0.002			
10/19/2022		0.0021		<0.002	<0.002	<0.002
3/8/2023	<0.002	<0.002	<0.002			
3/9/2023				<0.002	<0.002	<0.002
10/19/2023	<0.002	0.0017 (J)	<0.002			
10/20/2023				0.0012 (J)	<0.002	<0.002
3/26/2024	<0.002	<0.002	0.0066	<0.002	<0.002	
3/28/2024						<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		0.0014 (J)	<0.002		<0.002
6/13/2018					<0.002
6/14/2018		0.0014 (J)	0.0032		
7/23/2018			<0.002		<0.002
7/24/2018		0.0014 (J)			
9/6/2018		0.0017 (J)	0.0014 (J)		<0.002
10/2/2018		0.0013 (J)	<0.002		<0.002
11/1/2018			<0.002		<0.002
11/2/2018		0.0014 (J)			
12/6/2018		<0.002	<0.002		<0.002
2/13/2019		<0.002	<0.002		<0.002
4/5/2019	<0.002 (D)				
4/15/2019	<0.002				
5/2/2019	<0.002				
5/14/2019	<0.002				
5/29/2019	<0.002				
6/12/2019	<0.002				
6/19/2019	<0.002				
6/25/2019	<0.002				
8/8/2019					<0.002
8/9/2019	<0.002	<0.002	<0.002		
7/13/2020				<0.002	
11/9/2020			<0.002		
11/10/2020		<0.002		<0.002	
11/20/2020	<0.002				<0.002
3/8/2021					<0.002
3/9/2021	<0.002	0.0022	<0.002	<0.002	
10/12/2021		<0.002		<0.002	<0.002
10/20/2021	<0.002				
10/21/2021			<0.002		
4/6/2022		<0.002	<0.002	<0.002	<0.002
4/7/2022	<0.002				
10/18/2022		<0.002	<0.002	<0.002	<0.002
10/19/2022	<0.002				
3/9/2023	<0.002	<0.002	<0.002	<0.002	
3/13/2023					<0.002
10/20/2023	<0.002	<0.002	<0.002	<0.002	<0.002
3/26/2024	<0.002	<0.002		<0.002	
3/28/2024			<0.002		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	<0.0025					
6/13/2018	<0.0025					
7/23/2018	<0.0025					
9/1/2018	<0.0025					
10/2/2018	<0.0025					
11/1/2018	<0.0025					
12/6/2018	<0.0025					
2/13/2019	<0.0025					
3/16/2019			<0.0025	<0.0025		
3/27/2019			<0.0025 (D)	<0.0025 (D)		
4/3/2019			<0.0025 (D)	<0.0025 (D)		
4/16/2019			<0.0025	<0.0025		
5/3/2019			<0.0025	<0.0025		
5/14/2019			<0.0025	<0.0025		
5/29/2019			<0.0025	<0.0025		
6/12/2019			<0.0025	<0.0025		
8/8/2019	0.00012 (J)		<0.0025	<0.0025		
8/29/2019			<0.0025	<0.0025		
8/30/2019	8.2E-05 (J)					
3/17/2020	<0.0025		<0.0025	<0.0025		
7/13/2020		<0.0025				
7/21/2020					<0.0025	<0.0025
11/4/2020					<0.0025	<0.0025
11/9/2020			0.00022 (J)			
11/20/2020	<0.0025	<0.0025		<0.0025		
3/8/2021	0.00033 (J)	0.00028 (J)			<0.0025	<0.0025
3/10/2021			0.00031 (J)	<0.0025		
10/11/2021			0.00044 (J)	<0.0025		
10/12/2021	<0.0025	<0.0025				
10/15/2021						<0.0025
10/20/2021					<0.0025	
4/4/2022			0.00063 (J)	<0.0025		
4/5/2022	<0.0025	<0.0025				
4/7/2022					<0.0025	<0.0025
10/17/2022			0.00055 (J)	<0.0025		
10/18/2022	<0.0025	<0.0025				
10/19/2022					<0.0025	<0.0025
3/7/2023			0.00041 (J)			
3/10/2023					<0.0025	<0.0025
3/13/2023	<0.0025	<0.0025				
3/14/2023				<0.0025		
10/18/2023					<0.0025	<0.0025
10/21/2023	<0.0025	<0.0025	<0.0025	<0.0025		
3/28/2024						<0.0025
3/29/2024	<0.0025	<0.0025	0.00079 (J)	<0.0025	<0.0025	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<0.0025		0.0026
6/14/2018				<0.0025		0.0023 (J)
7/24/2018				<0.0025		0.0026
9/1/2018				<0.0025		0.0023 (J)
10/1/2018				<0.0025		0.0028
11/2/2018				<0.0025		0.0027
12/7/2018				<0.0025		0.0028
2/13/2019				<0.0025		0.0028
3/16/2019			0.00057 (J)			
3/27/2019			0.00044 (J)			
4/3/2019			0.0004 (J)			
4/15/2019			0.00042 (J)			
5/2/2019			<0.0025			
5/14/2019			0.00044 (J)			
5/28/2019			<0.0025			
6/12/2019			0.00037 (J)			
8/8/2019			0.00017 (J)	<0.0025		0.0019
8/30/2019			0.00017 (J)	<0.0025		0.0025
3/16/2020			<0.0025	<0.0025		0.0022
7/11/2020					<0.0025	
7/21/2020	<0.0025					
7/30/2020		<0.0025				
11/3/2020	<0.0025					
11/4/2020		<0.0025	<0.0025			
11/5/2020				<0.0025	<0.0025	0.003
3/8/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
3/9/2021						0.0034
10/12/2021			<0.0025	<0.0025	<0.0025	
10/15/2021		0.00016 (J)				
10/20/2021	<0.0025					
10/21/2021						0.004
4/4/2022			<0.0025			
4/5/2022				<0.0025	<0.0025	0.0037
4/7/2022	<0.0025	<0.0025				
10/17/2022			<0.0025	<0.0025		
10/18/2022					<0.0025	0.003
10/19/2022	<0.0025	<0.0025				
3/8/2023			<0.0025	<0.0025	<0.0025	0.0023 (J)
3/10/2023	<0.0025	<0.0025				
10/18/2023	<0.0025	<0.0025				
10/19/2023			<0.0025	<0.0025	<0.0025	0.0023 (J)
3/25/2024			<0.0025	<0.0025	<0.0025	0.0025
3/28/2024	<0.0025	<0.0025				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		0.0033				
4/25/2018				<0.0025		
6/14/2018		0.0032		<0.0025		
7/24/2018		0.0036		<0.0025		
9/1/2018		0.0039		<0.0025		
10/1/2018		0.0029				
10/2/2018				<0.0025		
11/2/2018		0.0034		<0.0025		
12/6/2018		0.0032		<0.0025		
2/13/2019		0.0043		<0.0025		
8/9/2019		0.0034		7.5E-05 (J)		
8/30/2019		0.0034		7.9E-05 (J)		
3/16/2020		0.0039				
3/17/2020				<0.0025		
7/13/2020	<0.0025					
7/14/2020			0.00381			<0.0025
7/30/2020					0.0011 (J)	
11/9/2020	0.00021 (J)	0.0037	0.0031	<0.0025	0.00071 (J)	
11/10/2020						<0.0025
3/9/2021	<0.0025	0.0041	0.0023 (J)	<0.0025	0.00041 (J)	
3/10/2021						0.00021 (J)
10/11/2021	<0.0025				0.0003 (J)	
10/12/2021				<0.0025		
10/14/2021		0.0032	0.0037			<0.0025
4/5/2022	<0.0025		0.0055			
4/6/2022		0.0034		<0.0025	0.00033 (J)	
4/7/2022						<0.0025
10/18/2022	<0.0025		0.0056			
10/19/2022		0.0021 (J)		<0.0025	0.00027 (J)	<0.0025
3/8/2023	<0.0025	0.003	0.0062			
3/9/2023				<0.0025	0.00034 (J)	<0.0025
10/19/2023	<0.0025	0.0026 (J)	0.0072 (J)			
10/20/2023				<0.0025	0.00037 (J)	<0.0025
3/26/2024	<0.0025	0.0022 (J)	0.0078	<0.0025	0.0003 (J)	
3/28/2024						<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		<0.0025	<0.0025		<0.0025
6/13/2018					<0.0025
6/14/2018		<0.0025	<0.0025		
7/23/2018			<0.0025		<0.0025
7/24/2018		<0.0025			
9/6/2018		0.00043 (J)	<0.0025		<0.0025
10/2/2018		<0.0025	<0.0025		<0.0025
11/1/2018			<0.0025		<0.0025
11/2/2018		<0.0025			
12/6/2018		<0.0025	<0.0025		<0.0025
2/13/2019		<0.0025	<0.0025		<0.0025
4/5/2019	0.0049 (D)				
4/15/2019	0.0045				
5/2/2019	0.0012 (J)				
5/14/2019	0.0024 (J)				
5/29/2019	0.0022 (J)				
6/12/2019	0.002 (J)				
6/19/2019	0.004 (J)				
6/25/2019	0.0014 (J)				
8/8/2019					8.4E-05 (J)
8/9/2019	0.0022	0.00025 (J)	<0.0025		
8/30/2019	0.0039	0.00023 (J)	<0.0025		8.9E-05 (J)
3/17/2020	0.0029	0.00024 (J)	<0.0025		<0.0025
7/13/2020				0.00121 (J)	
11/9/2020			<0.0025		
11/10/2020		0.00024 (J)		<0.0025	
11/20/2020	0.0024 (J)				<0.0025
3/8/2021					<0.0025
3/9/2021	0.0017 (J)	0.00025 (J)	<0.0025	<0.0025	
10/12/2021		0.00028 (J)		<0.0025	<0.0025
10/20/2021	0.0032				
10/21/2021			<0.0025		
4/6/2022		<0.0025	<0.0025	<0.0025	<0.0025
4/7/2022	0.0028				
10/18/2022		0.00033 (J)	<0.0025	<0.0025	<0.0025
10/19/2022	0.0028				
3/9/2023	0.0025	<0.0025	<0.0025	<0.0025	
3/13/2023					<0.0025
10/20/2023	0.0031 (J)	0.00029 (J)	<0.0025	<0.0025	<0.0025
3/26/2024	0.0036	<0.0025		<0.0025	
3/28/2024			<0.0025		<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	2.66					
6/13/2018	2.91					
7/23/2018	3.49					
9/1/2018	3.15					
10/2/2018	3.38					
11/1/2018	2.19					
12/6/2018	2.69					
2/13/2019	2.97					
3/16/2019			0.421	0.765		
3/27/2019			0.499	0.306 (U)		
4/3/2019			0.526	1.12		
4/16/2019			0.73	0.447		
5/3/2019			0.32 (U)	0.357		
5/14/2019			0.431 (U)	0.342 (U)		
5/29/2019			0.205 (U)	0.519 (U)		
6/12/2019			<5	<5		
8/8/2019	2.16		0.535	0.262 (U)		
8/29/2019			0.19 (U)	0.253 (U)		
8/30/2019	2.19					
3/17/2020	2.94		0.596	0.703		
7/13/2020		0.272 (U)				
7/21/2020					2.72	4.86
11/4/2020					1.59	3.79
11/9/2020			0.0786 (U)			
11/20/2020	3.47	-0.129 (U)		0.199 (U)		
3/8/2021	2.86	0.73			3.18	5.04
3/10/2021			0.389	0.594		
10/11/2021			0.645	0.994		
10/12/2021	3.57	0.769				
10/15/2021						3.57
10/20/2021					2.8	
4/4/2022			0.478	0.74		
4/5/2022	3.1	0.594				
4/7/2022					2.12	4.53
10/17/2022			0.184 (U)	0.971		
10/18/2022	4.61	0.815				
10/19/2022					3.37	5.71
3/7/2023			0.316 (U)			
3/10/2023					3.24	4.94
3/13/2023	2.92	0.18 (U)				
3/14/2023				0.228 (U)		
10/18/2023					3.67	6.7
10/21/2023	4.21	0.491 (U)	0.22 (U)	0.502		
3/28/2024						5.56
3/29/2024	2.5	0.463 (U)	0.446 (U)	0.274 (U)	2.98	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				21.8		5.84
6/14/2018				20.9		6.37
7/24/2018				19.2		7.22
9/1/2018				17.5		5.46
10/1/2018				19.9		8.54
11/2/2018				17.4		6.02
12/7/2018				18.5		6.26
2/13/2019				19.2		6.67
3/16/2019			5.87			
3/27/2019			6.56			
4/3/2019			7.03			
4/15/2019			6.75			
5/2/2019			6.82			
5/14/2019			6.96			
5/28/2019			4.12			
6/12/2019			8.8			
8/8/2019			7.52	18.7		6.41
8/30/2019			7.98	16.5		5.45
3/16/2020			10.6	18.8		6.5
7/11/2020					0.179 (U)	
7/21/2020	3.28					
7/30/2020		2.38				
11/3/2020	1.39					
11/4/2020		1.53	8.99			
11/5/2020				15.3	0.158 (U)	5.33
3/8/2021	1.91	2.54	14.2	21.4	0.164 (U)	
3/9/2021						2.68
10/12/2021			12	20.6	-0.0129 (U)	
10/15/2021		1.83				
10/20/2021	1.49					
10/21/2021						5.6
4/4/2022			12.5			
4/5/2022				17.4	0.117 (U)	7.45
4/7/2022	1.49	1.88				
10/17/2022			14	19.1		
10/18/2022					1.7	6.3
10/19/2022	2.13	3.02				
3/8/2023			13.5	20.4	0.0718 (U)	5.77
3/10/2023	1.59	0.722 (U)				
10/18/2023	1.69	1.5				
10/19/2023			13.9	22.1	0.508	6.55
3/25/2024			14.7	19.9	0.851	6.85
3/28/2024	0.825	1.44				

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		2.4				
4/25/2018				3.67		
6/14/2018		2.5		4.18		
7/24/2018		3.01		4.95		
9/1/2018		2.3		4.44		
10/1/2018		3.49				
10/2/2018				4.79		
11/2/2018		1.94		4		
12/6/2018		2.68		5.01		
2/13/2019		2.05		4.53		
8/9/2019		2.09		3.81		
8/30/2019		1.24		2.82		
3/16/2020		1.71				
3/17/2020				4.23		
7/13/2020	0.857					
7/14/2020			9.33			0.591
7/30/2020					0.29 (UD)	
11/9/2020	0.501	2	6.03	3.42	0.381 (U)	
11/10/2020						0.113 (U)
3/9/2021	0.605	2.08	8.34	4.01	0.24 (U)	
3/10/2021						0.186 (U)
10/11/2021	1.6				0.194 (U)	
10/12/2021				3.74		
10/14/2021		2.56	8.45			1.24
4/5/2022	0.853		7.09			
4/6/2022		1.71		5.09	0.644	
4/7/2022						0.752
10/18/2022	1.07		8.32			
10/19/2022		1.61		4.24	0.259 (U)	0.7
3/8/2023	0.636	1.78	9.4			
3/9/2023				2.58	-0.134 (U)	0.833
10/19/2023	0.63	1.75	8.81			
10/20/2023				3.9	0.512 (U)	0.515
3/26/2024	0.794	1.66	8.72	5.3	1.09	
3/28/2024						1.01

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		5.8	3.26		6.49
6/13/2018					6.43
6/14/2018		5.94	3.41		
7/23/2018			4.02		6.82
7/24/2018		6.56			
9/6/2018		7.39	3.86		7.4
10/2/2018		8.19	4.63		7.43
11/1/2018			3.37		6.67
11/2/2018		5.87			
12/6/2018		6.64	3.92		6.92
2/13/2019		6.19	3.66		6.91
4/5/2019	2.85				
4/15/2019	3.24				
5/2/2019	3				
5/14/2019	3.2				
5/29/2019	2.88				
6/12/2019	3.04				
6/19/2019	3.59				
6/25/2019	3.61				
8/8/2019					6.71
8/9/2019	3.14	6.86	3.52		
8/30/2019	2.52	6.63	3.96		7.32
3/17/2020	3.16	5.37	3.43		7.36
7/13/2020				0.898	
11/9/2020			2.55		
11/10/2020		6.91		0.293 (U)	
11/20/2020	3.32				8.11
3/8/2021					9.26
3/9/2021	0.234 (U)	2.66	3.52	-0.149 (U)	
10/12/2021		7.77		1.07	8.92
10/20/2021	2.8				
10/21/2021			4.05		
4/6/2022		6.15	4.27	0.565	6.93
4/7/2022	3.12				
10/18/2022		9.51	5.83	1.12	9.03
10/19/2022	3.45				
3/9/2023	2.37	4.77	5.27	0.353 (U)	
3/13/2023					7.57
10/20/2023	2.85	7.61	5.63	0.891	8.1
3/26/2024	3.49	7.47		0.801	
3/28/2024			5.47		9.04

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	0.69					
6/13/2018	0.64					
7/23/2018	0.76					
9/1/2018	0.81					
10/2/2018	0.78					
11/1/2018	0.88					
12/6/2018	0.75					
2/13/2019	0.72					
3/16/2019			0.047 (J)	0.041 (J)		
3/27/2019			<0.2 (D)	0.49 (D)		
4/3/2019			<0.2 (D)	0.086 (JD)		
4/4/2019	0.63					
4/16/2019			0.034 (J)	0.055 (J)		
5/3/2019			0.042 (J)	0.058 (J)		
5/14/2019			0.039 (J)	0.071 (J)		
5/29/2019			<0.2	0.042 (J)		
6/12/2019			<0.2	0.037 (J)		
8/8/2019	0.58		0.051 (J)	0.072 (J)		
8/29/2019			0.061 (J)	0.065 (J)		
8/30/2019	0.5					
3/17/2020	0.38		<0.2	0.036 (J)		
7/13/2020		0.24				
7/21/2020					0.09 (J)	0.07 (J)
11/4/2020					0.24 (J)	<0.2
11/9/2020			<0.2			
11/20/2020	0.81	0.13 (J)		<0.2		
3/8/2021	0.66	0.23			0.17 (J)	<0.2
3/10/2021			0.056 (J)	0.052 (J)		
10/11/2021			0.041 (J)	0.079 (J)		
10/12/2021	0.66	0.22				
10/15/2021						0.19 (J)
10/20/2021					0.14 (J)	
4/4/2022			0.062 (J)	0.051 (J)		
4/5/2022	0.82	0.19 (J)				
4/7/2022					0.39 (J)	<0.2
10/17/2022			<0.2	<0.2		
10/18/2022	0.68	0.18 (J)				
10/19/2022					0.034 (J)	<0.2
3/7/2023			0.051 (J)			
3/10/2023					0.064 (J)	0.094 (J)
3/13/2023	0.87	0.19 (J)				
3/14/2023				0.045 (J)		
10/18/2023					0.11 (J)	0.076 (J)
10/21/2023	0.58	0.16 (J)	0.048 (J)	0.048 (J)		
3/28/2024						<0.2
3/29/2024	0.75	0.22	0.049 (J)	0.07 (J)	0.16 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				0.06 (J)		0.33
6/14/2018				0.06 (J)		0.37
7/24/2018				0.07 (J)		0.42
9/1/2018				0.08 (J)		0.45
10/1/2018				0.07 (J)		0.39
11/2/2018				0.08 (J)		0.42
12/7/2018				4.3 (o)		0.64
2/13/2019				0.05 (J)		0.35
3/16/2019			<0.2			
3/27/2019			<0.2			
4/3/2019			<0.2			
4/5/2019				0.14 (J)		0.7 (J)
4/15/2019			0.14 (J)			
5/2/2019			0.13 (J)			
5/14/2019			<0.2			
5/28/2019			0.16 (J)			
6/12/2019			<0.2			
8/8/2019			0.21 (J)	0.19 (J)		0.8 (J)
8/30/2019			0.21 (J)	0.17 (J)		<0.2
3/16/2020			<0.2	<0.2		<0.2
7/11/2020					0.24	
7/21/2020	0.17					
7/30/2020		0.19				
11/3/2020	<0.2					
11/4/2020		<0.2	<0.2			
11/5/2020				<0.2	0.15 (J)	<0.2
3/8/2021	0.41 (J)	0.28 (J)	<0.2	<0.2	0.2	
3/9/2021						0.87 (J)
10/12/2021			0.27 (J)	0.22 (J)	0.18 (J)	
10/15/2021		0.44 (J)				
10/20/2021	0.25 (J)					
10/21/2021						<0.2
4/4/2022			0.13 (J)			
4/5/2022				<0.2	0.21	<0.2
4/7/2022	0.25 (J)	0.54 (J)				
10/17/2022			<0.2	<0.2		
10/18/2022					0.14 (J)	0.32 (J)
10/19/2022	0.13 (J)	0.094 (J)				
3/8/2023			0.086 (J)	0.068 (J)	0.18 (J)	0.19 (J)
3/10/2023	0.19 (J)	0.18 (J)				
10/18/2023	0.12 (J)	0.15 (J)				
10/19/2023			0.12 (J)	<0.2	0.15 (J)	0.17 (J)
3/25/2024			0.16 (J)	0.082 (J)	0.19 (J)	0.39 (J)
3/28/2024	0.29 (J)	0.36 (J)				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		0.52				
4/25/2018				0.09 (J)		
6/14/2018		0.51		0.09 (J)		
7/24/2018		0.52		0.09 (J)		
9/1/2018		0.54		0.1		
10/1/2018		0.54				
10/2/2018				0.09 (J)		
11/2/2018		0.58		0.11		
12/6/2018		0.51		1.4 (o)		
2/13/2019		0.48		0.07 (J)		
4/4/2019				<0.2		
4/5/2019		0.31 (J)				
8/9/2019		0.51		<0.2		
8/30/2019		0.54 (J)		<0.2		
3/16/2020		<0.2				
3/17/2020				<0.2		
7/13/2020	0.17					
7/14/2020			0.14			0.22
7/30/2020					0.17	
11/9/2020	0.18 (J)	<0.2	<0.2	<0.2	0.17 (J)	
11/10/2020						0.21
3/9/2021	0.18 (J)	0.55 (J)	<0.2	<0.2	0.17 (J)	
3/10/2021						0.18 (J)
10/11/2021	0.14 (J)				0.18 (J)	
10/12/2021				<0.2		
10/14/2021		0.5 (J)	<0.2			0.19 (J)
4/5/2022	0.13 (J)		<0.2			
4/6/2022		0.36 (J)		<0.2	0.27	
4/7/2022						0.2
10/18/2022	0.12 (J)		0.15 (J)			
10/19/2022		0.29		0.065 (J)	0.12 (J)	0.15 (J)
3/8/2023	0.14 (J)	0.25	0.074 (J)			
3/9/2023				0.12 (J)	0.077 (J)	0.08 (J)
10/19/2023	0.13 (J)	0.41	0.082 (J)			
10/20/2023				<0.2	0.13 (J)	0.15 (J)
3/26/2024	0.18 (J)	0.44 (J)	0.29 (J)	0.28 (J)	0.15 (J)	
3/28/2024						0.2

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		0.11	1		0.06 (J)
6/13/2018					0.06 (J)
6/14/2018		0.12	1		
7/23/2018			1		0.06 (J)
7/24/2018		0.12			
9/6/2018		0.13	1.1		0.06 (J)
10/2/2018		0.13	1		0.07 (J)
11/1/2018			1.1		0.07 (J)
11/2/2018		0.14			
12/6/2018		0.13	0.98		0.21 (o)
2/13/2019		0.1	0.98		0.07 (J)
4/4/2019		<0.2	0.58 (J)		<0.2
4/5/2019	<0.2 (D)				
4/15/2019	<0.2				
5/2/2019	<0.2				
5/14/2019	<0.2				
5/29/2019	<0.2				
6/12/2019	<0.2				
6/19/2019	<0.2				
6/25/2019	0.32 (J)				
8/8/2019					0.2 (J)
8/9/2019	<0.2	0.22 (J)	0.9 (J)		
8/30/2019	0.27 (J)	0.41 (J)	0.85 (J)		0.18 (J)
3/17/2020	<0.2	1.6	0.52 (J)		<0.2
7/13/2020				0.15	
11/9/2020			0.74 (J)		
11/10/2020		<0.2		0.22	
11/20/2020	<0.2				<0.2
3/8/2021					<0.2
3/9/2021	<0.2	0.26 (J)	1.1 (J)	0.17 (J)	
10/12/2021		<0.2		0.15 (J)	<0.2
10/20/2021	0.29 (J)				
10/21/2021			1 (J)		
4/6/2022		1.2 (J)	16	0.14 (J)	0.82 (J)
4/7/2022	6.4				
10/18/2022		0.084 (J)	0.73	0.091 (J)	<0.2
10/19/2022	0.22				
3/9/2023	0.11 (J)	0.14 (J)	0.59	0.066 (J)	
3/13/2023					0.081 (J)
10/20/2023	<0.2	0.026 (J)	0.7	0.083 (J)	0.057 (J)
3/26/2024	<0.2	0.13 (J)		0.11 (J)	
3/28/2024			0.97 (J)		0.13 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	<0.001					
6/13/2018	<0.001					
7/23/2018	<0.001					
9/1/2018	<0.001					
10/2/2018	<0.001					
11/1/2018	0.0011 (J)					
12/6/2018	0.0006 (J)					
2/13/2019	<0.001					
3/16/2019			<0.001	<0.001		
3/27/2019			<0.001 (D)	<0.001 (D)		
4/3/2019			<0.001 (D)	<0.001 (D)		
4/16/2019			<0.001	<0.001		
5/3/2019			<0.001	<0.001		
5/14/2019			<0.001	<0.001		
5/29/2019			<0.001	<0.001		
6/12/2019			<0.001	<0.001		
8/8/2019	<0.001		<0.001	<0.001		
8/29/2019			<0.001	0.00017 (J)		
8/30/2019	<0.001					
3/17/2020	<0.001		<0.001	<0.001		
7/13/2020		0.00116 (J)				
7/21/2020					<0.001	<0.001
11/4/2020					<0.001	<0.001
11/9/2020			<0.001			
11/20/2020	<0.001	0.00089 (J)		<0.001		
3/8/2021	0.00016 (J)	0.00086 (J)			<0.001	<0.001
3/10/2021			<0.001	<0.001		
10/11/2021			<0.001	<0.001		
10/12/2021	<0.001	0.00063 (J)				
10/15/2021						<0.001
10/20/2021					<0.001	
4/4/2022			0.00063 (J)	<0.001		
4/5/2022	0.00019 (J)	0.00058 (J)				
4/7/2022					<0.001	<0.001
10/17/2022			<0.001	<0.001		
10/18/2022	<0.001	0.00045 (J)				
10/19/2022					<0.001	<0.001
3/7/2023			<0.001			
3/10/2023					<0.001	<0.001
3/13/2023	<0.001	<0.001				
3/14/2023				<0.001		
10/18/2023					<0.001	<0.001
10/21/2023	<0.001	0.0003 (J)	<0.001	<0.001		
3/28/2024						<0.001
3/29/2024	<0.001	<0.001	<0.001	<0.001	<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<0.001		<0.001
6/14/2018				<0.001		<0.001
7/24/2018				<0.001		<0.001
9/1/2018				<0.001		<0.001
10/1/2018				<0.001		<0.001
11/2/2018				<0.001		0.00048 (J)
12/7/2018				<0.001		<0.001
2/13/2019				<0.001		<0.001
3/16/2019			<0.001			
3/27/2019			<0.001			
4/3/2019			<0.001			
4/15/2019			<0.001			
5/2/2019			<0.001			
5/14/2019			<0.001			
5/28/2019			<0.001			
6/12/2019			<0.001			
8/8/2019			<0.001	<0.001		<0.001
8/30/2019			<0.001	<0.001		<0.001
3/16/2020			<0.001	<0.001		<0.001
7/11/2020					0.000555 (J)	
7/21/2020	<0.001					
7/30/2020		<0.001				
11/3/2020	<0.001					
11/4/2020		<0.001	<0.001			
11/5/2020				<0.001	0.00024 (J)	<0.001
3/8/2021	<0.001	<0.001	<0.001	<0.001	0.00016 (J)	
3/9/2021						<0.001
10/12/2021			<0.001	<0.001	0.0002 (J)	
10/15/2021		<0.001				
10/20/2021	<0.001					
10/21/2021						<0.001
4/4/2022			<0.001			
4/5/2022				0.00022 (J)	0.00045 (J)	0.00043 (J)
4/7/2022	<0.001	<0.001				
10/17/2022			<0.001	<0.001		
10/18/2022					<0.001	<0.001
10/19/2022	<0.001	<0.001				
3/8/2023			<0.001	<0.001	<0.001	<0.001
3/10/2023	<0.001	<0.001				
10/18/2023	<0.001	<0.001				
10/19/2023			<0.001	<0.001	<0.001	<0.001
3/25/2024			<0.001	<0.001	<0.001	<0.001
3/28/2024	<0.001	<0.001				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		<0.001				
4/25/2018				<0.001		
6/14/2018		<0.001		<0.001		
7/24/2018		<0.001		<0.001		
9/1/2018		<0.001		<0.001		
10/1/2018		<0.001				
10/2/2018				<0.001		
11/2/2018		0.00062 (J)		0.0011 (J)		
12/6/2018		<0.001		0.00041 (J)		
2/13/2019		<0.001		0.00036 (J)		
8/9/2019		<0.001		<0.001		
8/30/2019		<0.001		<0.001		
3/16/2020		<0.001				
3/17/2020				<0.001		
7/13/2020	<0.001					
7/14/2020			<0.001			<0.001
7/30/2020					0.00203	
11/9/2020	<0.001	<0.001	<0.001	<0.001	0.00099 (J)	
11/10/2020						<0.001
3/9/2021	<0.001	<0.001	<0.001	<0.001	0.00026 (J)	
3/10/2021						<0.001
10/11/2021	<0.001				0.00019 (J)	
10/12/2021				<0.001		
10/14/2021		<0.001	<0.001			<0.001
4/5/2022	<0.001		0.00029 (J)			
4/6/2022		<0.001		<0.001	0.00026 (J)	
4/7/2022						<0.001
10/18/2022	<0.001		<0.001			
10/19/2022		<0.001		<0.001	0.00018 (J)	<0.001
3/8/2023	<0.001	<0.001	<0.001			
3/9/2023				<0.001	<0.001	<0.001
10/19/2023	<0.001	<0.001	<0.001			
10/20/2023				<0.001	0.0003 (J)	<0.001
3/26/2024	<0.001	<0.001	<0.001	<0.001	<0.001	
3/28/2024						<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		<0.001	<0.001		<0.001
6/13/2018					<0.001
6/14/2018		<0.001	<0.001		
7/23/2018			<0.001		<0.001
7/24/2018		<0.001			
9/6/2018		<0.001	<0.001		<0.001
10/2/2018		<0.001	<0.001		<0.001
11/1/2018			0.0016		<0.001
11/2/2018		0.0019			
12/6/2018		<0.001	0.0013		0.00039 (J)
2/13/2019		<0.001	<0.001		<0.001
4/5/2019	<0.001 (D)				
4/15/2019	<0.001				
5/2/2019	<0.001				
5/14/2019	<0.001				
5/29/2019	<0.001				
6/12/2019	<0.001				
6/19/2019	<0.001				
6/25/2019	<0.001				
8/8/2019					0.00013 (J)
8/9/2019	<0.001	<0.001	<0.001		
8/30/2019	0.00032 (J)	<0.001	<0.001		<0.001
3/17/2020	<0.001	<0.001	<0.001		<0.001
7/13/2020				<0.001	
11/9/2020			<0.001		
11/10/2020		<0.001		<0.001	
11/20/2020	<0.001				<0.001
3/8/2021					<0.001
3/9/2021	<0.001	<0.001	<0.001	<0.001	
10/12/2021		<0.001		<0.001	<0.001
10/20/2021	<0.001				
10/21/2021			<0.001		
4/6/2022		<0.001	<0.001	<0.001	<0.001
4/7/2022	<0.001				
10/18/2022		<0.001	<0.001	<0.001	<0.001
10/19/2022	<0.001				
3/9/2023	<0.001	<0.001	0.00075 (J)	<0.001	
3/13/2023					<0.001
10/20/2023	<0.001	<0.001	<0.001	<0.001	<0.001
3/26/2024	<0.001	<0.001		<0.001	
3/28/2024			<0.001		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	0.021					
6/13/2018	0.013					
7/23/2018	0.015					
9/1/2018	0.015					
10/2/2018	0.017					
11/1/2018	0.038					
12/6/2018	0.011					
2/13/2019	0.012					
3/16/2019			0.0088	0.012		
3/27/2019			0.01 (D)	0.012 (D)		
4/3/2019			0.0068 (D)	0.013 (D)		
4/16/2019			0.0081	0.012		
5/3/2019			0.01	0.015		
5/14/2019			0.011	0.015		
5/29/2019			0.0062	0.015		
6/12/2019			0.0099	0.013		
8/8/2019	0.018		0.012	0.016		
8/29/2019			0.0067	0.011		
8/30/2019	0.01					
3/17/2020	0.017		0.014	0.017		
7/13/2020		0.0136				
7/21/2020					0.00196 (J)	<0.025
11/4/2020					0.016	<0.025
11/9/2020			0.011			
11/20/2020	0.013	0.011		0.015		
3/8/2021	0.01	0.022			0.0042 (J)	<0.025
3/10/2021			0.012	0.017		
10/11/2021			0.0089	0.015		
10/12/2021	0.0056	0.019				
10/15/2021						<0.025
10/20/2021					0.0038 (J)	
4/4/2022			0.011	0.018		
4/5/2022	0.012	0.012				
4/7/2022					0.0045 (J)	0.0044 (J)
10/17/2022			0.01	0.017		
10/18/2022	0.01	0.012				
10/19/2022					0.0029 (J)	0.0015 (J)
3/7/2023			0.011			
3/10/2023					0.005	0.0069
3/13/2023	0.01	<0.005				
3/14/2023				0.019		
10/18/2023					0.0021 (J)	<0.025
10/21/2023	0.013 (J)	0.012 (J)	0.01 (J)	0.017 (J)		
3/28/2024						0.0022 (J)
3/29/2024	0.0083	0.012	0.01	0.015	0.0037 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				0.029		0.11
6/14/2018				0.023		0.073
7/24/2018				0.023		0.079
9/1/2018				0.022		0.088
10/1/2018				0.026		0.091
11/2/2018				0.024 (J)		0.081
12/7/2018				0.022		0.072
2/13/2019				0.02		0.071
3/16/2019			0.013			
3/27/2019			0.014			
4/3/2019			0.01			
4/15/2019			0.012			
5/2/2019			0.013			
5/14/2019			0.011			
5/28/2019			<0.05			
6/12/2019			0.012			
8/8/2019			0.012	0.031		0.076
8/30/2019			0.011	0.022		0.072
3/16/2020			0.013	0.03		0.07
7/11/2020					0.0103	
7/21/2020	0.00623					
7/30/2020		0.00523				
11/3/2020	0.03					
11/4/2020		0.029	0.014			
11/5/2020				0.031	0.01	0.07
3/8/2021	0.008	0.0086	0.013	0.03	0.0091	
3/9/2021						0.075
10/12/2021			0.014	0.028	0.0079	
10/15/2021		0.009				
10/20/2021	0.0091 (D)					
10/21/2021						0.0665 (D)
4/4/2022			0.023 (J)			
4/5/2022				0.037	0.01	0.081
4/7/2022	0.0084	0.0097				
10/17/2022			0.016	0.032		
10/18/2022					0.011	0.056
10/19/2022	0.0077	0.0082				
3/8/2023			0.019	0.036	0.011	0.077
3/10/2023	0.014	0.0093				
10/18/2023	0.0082 (J)	0.0081 (J)				
10/19/2023			0.018 (J)	0.037	0.011 (J)	0.072
3/25/2024			0.017	0.037	0.0096	0.076
3/28/2024	0.0091	0.0077				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		0.079				
4/25/2018				0.069		
6/14/2018		0.055		0.046		
7/24/2018		0.057		0.049		
9/1/2018		0.054		0.045		
10/1/2018		0.063				
10/2/2018				0.052		
11/2/2018		0.077		0.074		
12/6/2018		0.054		0.044		
2/13/2019		0.053		0.045		
8/9/2019		0.061		0.049		
8/30/2019		0.052		0.044		
3/16/2020		0.053				
3/17/2020				0.044		
7/13/2020	0.00778					
7/14/2020			0.0522			0.00696
7/30/2020					0.00791	
11/9/2020	0.006	0.049	0.043	0.044	0.0076	
11/10/2020						0.0063
3/9/2021	0.0098	0.051	0.044	0.048	0.0099	
3/10/2021						0.0059
10/11/2021	0.02				0.0075	
10/12/2021				0.039		
10/14/2021		0.052	0.11			0.0061
4/5/2022	0.014		0.073			
4/6/2022		0.046		0.046	0.0088	
4/7/2022						0.011
10/18/2022	0.016		0.068			
10/19/2022		0.049		0.035	0.0077	0.0069
3/8/2023	0.012	0.041	0.072			
3/9/2023				0.04	0.0085	0.01
10/19/2023	0.012 (J)	0.039	0.074			
10/20/2023				0.039	0.0064 (J)	0.0079 (J)
3/26/2024	0.014	0.042	0.072	0.036	0.0076	
3/28/2024						0.012

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		0.004 (J)	0.13		0.0039 (J)
6/13/2018					0.0027 (J)
6/14/2018		0.0026 (J)	0.085		
7/23/2018			0.09		0.0041 (J)
7/24/2018		0.003 (J)			
9/6/2018		0.0029 (J)	0.099		0.0035 (J)
10/2/2018		0.0021 (J)	0.095		0.004 (J)
11/1/2018			0.16		0.018 (o)
11/2/2018		0.014 (o)			
12/6/2018		<0.005	0.082		<0.005
2/13/2019		0.0018 (J)	0.08		0.0026 (J)
4/5/2019	0.051 (D)				
4/15/2019	0.054				
5/2/2019	0.055				
5/14/2019	0.047				
5/29/2019	0.055				
6/12/2019	0.062				
6/19/2019	0.059				
6/25/2019	0.052				
8/8/2019					0.0053
8/9/2019	0.063	<0.005	0.086		
8/30/2019	0.059	<0.005	0.068		<0.005
3/17/2020	0.056	0.0071	0.08		0.0077
7/13/2020				<0.005	
11/9/2020			0.08		
11/10/2020		0.0048 (J)		0.0044 (J)	
11/20/2020	0.055				0.0035 (J)
3/8/2021					0.0045 (J)
3/9/2021	0.057	0.004 (J)	0.073	0.005	
10/12/2021		0.0036 (J)		<0.005	<0.005
10/20/2021	0.0535 (D)				
10/21/2021			0.0735 (D)		
4/6/2022		0.0043 (J)	0.075	0.0032 (J)	0.0084
4/7/2022	0.057				
10/18/2022		0.0041 (J)	0.07	0.0021 (J)	0.0046 (J)
10/19/2022	0.05				
3/9/2023	0.054	0.0071	0.067	0.0071	
3/13/2023					0.0053
10/20/2023	0.056	0.0033 (J)	0.071	0.0033 (J)	0.0036 (J)
3/26/2024	0.058	0.0058		0.0049 (J)	
3/28/2024			0.076		0.0031 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	<0.0002					
6/13/2018	<0.0002					
7/23/2018	<0.0002					
9/1/2018	8.5E-05 (J)					
10/2/2018	<0.0002					
11/1/2018	<0.0002					
12/6/2018	<0.0002					
2/13/2019	<0.0002					
3/16/2019			<0.0002	9.7E-05 (J)		
3/27/2019			<0.0002 (D)	<0.0002 (D)		
4/3/2019			<0.0002 (D)	<0.0002 (D)		
4/16/2019			<0.0002	<0.0002		
5/3/2019			<0.0002	<0.0002		
5/14/2019			7.1E-05 (J)	<0.0002		
5/29/2019			<0.0002	<0.0002		
6/12/2019			<0.0002	<0.0002		
8/8/2019	<0.0002		<0.0002	<0.0002		
7/13/2020		<0.0002				
7/21/2020					<0.0002	<0.0002
11/4/2020					<0.0002	<0.0002
11/9/2020			<0.0002			
11/20/2020	<0.0002	<0.0002		<0.0002		
3/8/2021	<0.0002	<0.0002			<0.0002	<0.0002
3/10/2021			<0.0002	<0.0002		
10/11/2021			<0.0002	<0.0002		
10/12/2021	<0.0002	<0.0002				
10/15/2021						<0.0002
10/20/2021					<0.0002	
4/4/2022			<0.0002	<0.0002		
4/5/2022	<0.0002	<0.0002				
4/7/2022					<0.0002	<0.0002
10/17/2022			<0.0002	<0.0002		
10/18/2022	<0.0002	<0.0002				
10/19/2022					<0.0002	<0.0002
3/7/2023			<0.0002			
3/10/2023					<0.0002	<0.0002
3/13/2023	<0.0002	<0.0002				
3/14/2023				<0.0002		
10/18/2023					<0.0002	<0.0002
10/21/2023	<0.0002	<0.0002	<0.0002	<0.0002		
3/28/2024						<0.0002
3/29/2024	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<0.0002		<0.0002
6/14/2018				<0.0002		<0.0002
7/24/2018				<0.0002		<0.0002
9/1/2018				<0.0002		<0.0002
10/1/2018				<0.0002		<0.0002
11/2/2018				<0.0002		<0.0002
12/7/2018				<0.0002		<0.0002
2/13/2019				<0.0002		<0.0002
3/16/2019			<0.0002			
3/27/2019			<0.0002			
4/3/2019			<0.0002			
4/15/2019			0.00015 (J)			
5/2/2019			<0.0002			
5/14/2019			<0.0002			
5/28/2019			<0.0002			
6/12/2019			<0.0002			
8/8/2019			<0.0002	<0.0002		<0.0002
7/11/2020					<0.0002	
7/21/2020	<0.0002					
7/30/2020		<0.0002				
11/3/2020	<0.0002					
11/4/2020		<0.0002	<0.0002			
11/5/2020				<0.0002	<0.0002	<0.0002
3/8/2021	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
3/9/2021						<0.0002
10/12/2021			<0.0002	<0.0002	<0.0002	
10/15/2021		<0.0002				
10/20/2021	<0.0002					
10/21/2021						<0.0002
4/4/2022			<0.0002			
4/5/2022				<0.0002	<0.0002	<0.0002
4/7/2022	<0.0002	<0.0002				
10/17/2022			<0.0002	<0.0002		
10/18/2022					<0.0002	<0.0002
10/19/2022	<0.0002	<0.0002				
3/8/2023			<0.0002	<0.0002	<0.0002	<0.0002
3/10/2023	<0.0002	<0.0002				
10/18/2023	<0.0002	<0.0002				
10/19/2023			<0.0002	<0.0002	<0.0002	<0.0002
3/25/2024			<0.0002	<0.0002	<0.0002	<0.0002
3/28/2024	<0.0002	<0.0002				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		<0.0002				
4/25/2018				<0.0002		
6/14/2018		<0.0002		<0.0002		
7/24/2018		<0.0002		<0.0002		
9/1/2018		<0.0002		9.3E-05 (J)		
10/1/2018		<0.0002				
10/2/2018				<0.0002		
11/2/2018		<0.0002		<0.0002		
12/6/2018		<0.0002		<0.0002		
2/13/2019		<0.0002		<0.0002		
8/9/2019		<0.0002		<0.0002		
7/13/2020	<0.0002					
7/14/2020			<0.0002			<0.0002
7/30/2020					<0.0002	
11/9/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
11/10/2020						<0.0002
3/9/2021	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
3/10/2021						<0.0002
10/11/2021	<0.0002				<0.0002	
10/12/2021				<0.0002		
10/14/2021		<0.0002	<0.0002			<0.0002
4/5/2022	<0.0002		<0.0002			
4/6/2022		<0.0002		<0.0002	<0.0002	
4/7/2022						<0.0002
10/18/2022	<0.0002		<0.0002			
10/19/2022		<0.0002		<0.0002	<0.0002	<0.0002
3/8/2023	<0.0002	<0.0002	<0.0002			
3/9/2023				<0.0002	<0.0002	<0.0002
10/19/2023	<0.0002	<0.0002	<0.0002			
10/20/2023				<0.0002	<0.0002	<0.0002
3/26/2024	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
3/28/2024						<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		<0.0002	<0.0002		<0.0002
6/13/2018					<0.0002
6/14/2018		<0.0002	<0.0002		
7/23/2018			<0.0002		<0.0002
7/24/2018		<0.0002			
9/6/2018		9E-05 (J)	7.7E-05 (J)		0.00035
10/2/2018		<0.0002	<0.0002		<0.0002
11/1/2018			<0.0002		<0.0002
11/2/2018		<0.0002			
12/6/2018		<0.0002	<0.0002		<0.0002
2/13/2019		<0.0002	<0.0002		<0.0002
4/5/2019	<0.0002 (D)				
4/15/2019	<0.0002				
5/2/2019	<0.0002				
5/14/2019	<0.0002				
5/29/2019	<0.0002				
6/12/2019	<0.0002				
6/19/2019	<0.0002				
6/25/2019	<0.0002				
8/8/2019					<0.0002
8/9/2019	<0.0002	<0.0002	<0.0002		
7/13/2020				<0.0002	
11/9/2020			<0.0002		
11/10/2020		<0.0002		<0.0002	
11/20/2020	<0.0002				<0.0002
3/8/2021					<0.0002
3/9/2021	<0.0002	<0.0002	<0.0002	<0.0002	
10/12/2021		<0.0002		<0.0002	<0.0002
10/20/2021	<0.0002				
10/21/2021			<0.0002		
4/6/2022		<0.0002	<0.0002	<0.0002	<0.0002
4/7/2022	<0.0002				
10/18/2022		<0.0002	<0.0002	<0.0002	<0.0002
10/19/2022	<0.0002				
3/9/2023	<0.0002	<0.0002	<0.0002	<0.0002	
3/13/2023					<0.0002
10/20/2023	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
3/26/2024	<0.0002	<0.0002		<0.0002	
3/28/2024			<0.0002		<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	0.11					
6/13/2018	0.09					
7/23/2018	0.11					
9/1/2018	0.11					
10/2/2018	0.1					
11/1/2018	0.11					
12/6/2018	0.1					
2/13/2019	0.085					
3/16/2019			<0.015	<0.015		
3/27/2019			<0.015 (D)	<0.015 (D)		
4/3/2019			<0.015 (D)	<0.015 (D)		
4/16/2019			<0.015	<0.015		
5/3/2019			<0.015	<0.015		
5/14/2019			<0.015	<0.015		
5/29/2019			<0.015	<0.015		
6/12/2019			<0.015	<0.015		
8/8/2019	0.11		<0.015	<0.015		
8/29/2019			<0.015	<0.015		
8/30/2019	0.078					
3/17/2020	0.081		<0.015	<0.015		
7/13/2020		0.00884 (J)				
7/21/2020					<0.015	<0.015
11/4/2020					<0.015	<0.015
11/9/2020			<0.015			
11/20/2020	0.059	0.017		<0.015		
3/8/2021	0.055	0.0096 (J)			<0.015	<0.015
3/10/2021			<0.015	<0.015		
10/11/2021			<0.015	<0.015		
10/12/2021	0.033	0.0099 (J)				
10/15/2021						<0.015
10/20/2021					<0.015	
4/4/2022			<0.015	<0.015		
4/5/2022	0.043	0.0058 (J)				
4/7/2022					<0.015	<0.015
10/17/2022			<0.015	<0.015		
10/18/2022	0.03	0.0033 (J)				
10/19/2022					<0.015	<0.015
3/7/2023			<0.015			
3/10/2023					<0.015	<0.015
3/13/2023	0.033	<0.015				
3/14/2023				<0.015		
10/18/2023					<0.015	<0.015
10/21/2023	0.037 (J)	0.0031 (J)	<0.015	<0.015		
3/28/2024						<0.015
3/29/2024	0.027	0.0027 (J)	<0.015	<0.015	<0.015	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<0.015		0.073
6/14/2018				<0.015		0.068
7/24/2018				<0.015		0.065
9/1/2018				<0.015		0.05
10/1/2018				<0.015		0.061
11/2/2018				<0.015		0.062
12/7/2018				<0.015		0.062
2/13/2019				<0.015		0.061
3/16/2019			<0.015			
3/27/2019			<0.015			
4/3/2019			<0.015			
4/15/2019			<0.015			
5/2/2019			<0.015			
5/14/2019			<0.015			
5/28/2019			<0.015			
6/12/2019			<0.015			
8/8/2019			<0.015	0.00079 (J)		0.073
8/30/2019			<0.015	<0.015		0.065
3/16/2020			<0.015	<0.015		0.072
7/11/2020					0.00558 (J)	
7/21/2020	<0.015					
7/30/2020		<0.015				
11/3/2020	0.00082 (J)					
11/4/2020		0.0009 (J)	<0.015			
11/5/2020				<0.015	0.0038 (J)	0.067
3/8/2021	<0.015	<0.015	<0.015	<0.015	0.0018 (J)	
3/9/2021						0.076
10/12/2021			<0.015	<0.015	0.0011 (J)	
10/15/2021		<0.015				
10/20/2021	<0.015 (D)					
10/21/2021						0.0705 (D)
4/4/2022			<0.015			
4/5/2022				<0.015	0.0011 (J)	0.071
4/7/2022	<0.015	<0.015				
10/17/2022			<0.015	<0.015		
10/18/2022					0.0016 (J)	0.05
10/19/2022	<0.015	<0.015				
3/8/2023			<0.015	<0.015	0.0011 (J)	0.064
3/10/2023	<0.015	<0.015				
10/18/2023	<0.015	<0.015				
10/19/2023			<0.015	<0.015	0.0013 (J)	0.076
3/25/2024			<0.015	<0.015	0.00099 (J)	0.055
3/28/2024	<0.015	<0.015				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		0.011 (J)				
4/25/2018				0.056		
6/14/2018		0.0083 (J)		0.048		
7/24/2018		0.0075 (J)		0.078		
9/1/2018		0.0082 (J)		0.081		
10/1/2018		0.0088 (J)				
10/2/2018				0.07		
11/2/2018		0.0083 (J)		0.1		
12/6/2018		0.0093 (J)		0.069		
2/13/2019		0.0093 (J)		0.1		
8/9/2019		0.012		0.15		
8/30/2019		0.011		0.088		
3/16/2020		0.01				
3/17/2020				0.079		
7/13/2020	<0.015					
7/14/2020			0.257			<0.015
7/30/2020					<0.015	
11/9/2020	0.0022 (J)	0.0084 (J)	0.35	0.11	0.0012 (J)	
11/10/2020						0.00081 (J)
3/9/2021	0.0012 (J)	0.0059 (J)	0.37	0.072	0.00091 (J)	
3/10/2021						0.0011 (J)
10/11/2021	<0.015				0.0008 (J)	
10/12/2021				0.074		
10/14/2021		0.0042 (J)	0.23			0.0012 (J)
4/5/2022	0.0007 (J)		0.25			
4/6/2022		0.005 (J)		0.074	0.00078 (J)	
4/7/2022						0.00098 (J)
10/18/2022	0.00072 (J)		0.18			
10/19/2022		0.0043 (J)		0.039	0.0014 (J)	0.0019 (J)
3/8/2023	0.00074 (J)	0.0042 (J)	0.2			
3/9/2023				0.15	0.00085 (J)	0.0017 (J)
10/19/2023	0.00096 (J)	0.0047 (J)	0.18			
10/20/2023				0.18	0.0012 (J)	0.0023 (J)
3/26/2024	0.00078 (J)	0.0029 (J)	0.16	0.17	0.0011 (J)	
3/28/2024						0.0023 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		0.00096 (J)	0.18		<0.015
6/13/2018					<0.015
6/14/2018		0.0062 (J)	0.17		
7/23/2018			0.17		<0.015
7/24/2018		0.0063 (J)			
9/6/2018		<0.015	0.15		<0.015
10/2/2018		<0.015	0.15		0.0009 (J)
11/1/2018			0.16		<0.015
11/2/2018		0.0066 (J)			
12/6/2018		0.0062 (J)	0.14		<0.015
2/13/2019		0.0047 (J)	0.13		<0.015
4/5/2019	0.41 (D)				
4/15/2019	0.4				
5/2/2019	0.3				
5/14/2019	0.36				
5/29/2019	0.4				
6/12/2019	0.34				
6/19/2019	0.41				
6/25/2019	0.37				
8/8/2019					<0.015
8/9/2019	0.48	<0.015	0.12		
8/30/2019	0.42	<0.015	0.11		0.00093 (J)
3/17/2020	0.47	<0.015	0.094		<0.015
7/13/2020				<0.015	
11/9/2020			0.072		
11/10/2020		<0.015		0.00067 (J)	
11/20/2020	0.42				<0.015
3/8/2021					<0.015
3/9/2021	0.48	<0.015	0.069	<0.015	
10/12/2021		<0.015		<0.015	<0.015
10/20/2021	0.45 (D)				
10/21/2021			0.056 (D)		
4/6/2022		<0.015	0.053	0.0011 (J)	<0.015
4/7/2022	0.5				
10/18/2022		<0.015	0.039	0.0012 (J)	<0.015
10/19/2022	0.44				
3/9/2023	0.58	<0.015	0.018	0.00086 (J)	
3/13/2023					<0.015
10/20/2023	0.67	0.00089 (J)	0.11	0.0011 (J)	<0.015
3/26/2024	0.7	<0.015		0.00086 (J)	
3/28/2024			0.14		<0.015

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: pH (SU) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	6.7					
6/13/2018	6.64					
7/23/2018	6.76					
9/1/2018	6.9					
10/2/2018	6.77					
11/1/2018	6.89					
12/6/2018	6.89					
2/13/2019	6.81					
3/16/2019			6.97	6.44		
3/27/2019			6.7	6.38		
4/3/2019			6.45	6.19		
4/4/2019	6.74					
4/16/2019			6.52	6.3		
5/3/2019			6.37	6.33		
5/14/2019			6.57	6.64		
5/29/2019			6.31	6.6		
6/12/2019			6.41	6.31		
8/8/2019	6.84		6.29	6.12		
8/29/2019			6.2	6.24		
8/30/2019	7.09					
3/17/2020	6.93		6.2	6.2		
7/13/2020		8.94				
7/21/2020					6.01	6.08
11/4/2020					6.01	6.03
11/9/2020			6.21			
11/20/2020	6.94	8.86		6.31		
3/8/2021	7.61	9.38			5.97	5.99
3/10/2021			6.29			
10/11/2021			6.13	6.08		
10/12/2021	6.75	8.92				
10/15/2021						5.97
10/20/2021					5.89	
4/4/2022			5.97	6		
4/5/2022	7.17	9.04				
4/7/2022					6.07	6.07
10/17/2022			6.19	6.12		
10/18/2022	6.98	8.95				
10/19/2022					6.08	6.07
3/7/2023			6.17			
3/10/2023					6	6
3/13/2023	6.97	8.95				
3/14/2023				6.11		
10/18/2023					6.07	6.16
10/21/2023	7.06	8.89	6.26	6.22		
3/28/2024						6.06
3/29/2024	6.83	8.91	6.11	6.11	6.01	

Time Series

Constituent: pH (SU) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				5.89		6.46
6/14/2018				5.96		6.5
7/24/2018				6.03		6.6
9/1/2018				6.23		6.74
10/1/2018				5.94		6.51
11/2/2018				5.98		6.55
12/7/2018				5.98		6.55
2/13/2019				6.09		6.69
3/16/2019			6.67			
3/27/2019			6.59			
4/3/2019			6.56			
4/5/2019				6.03		6.7
4/15/2019			6.68			
5/2/2019			6.78			
5/14/2019			6.7			
5/28/2019			6.56			
6/12/2019			6.69			
8/8/2019			6.68	6.03		6.7
8/30/2019			6.72	6.1		6.75
3/16/2020			6.51	5.91		6.61
7/11/2020					7.84	
7/21/2020	6.51					
7/30/2020		6.48				
11/3/2020	6.51					
11/4/2020		6.58	6.45			
11/5/2020				5.92	7.79	6.58
3/8/2021	6.41	6.48	6.4	5.97		
3/9/2021						6.48
10/12/2021			6.43	5.89	7.57	
10/15/2021		6.55				
10/20/2021	6.54					
10/21/2021						6.54
4/4/2022			6.34			
4/5/2022				5.46	7.2	6.45
4/7/2022	6.53	6.55				
10/17/2022			6.27	5.87		
10/18/2022					7.56	6.61
10/19/2022	6.58	6.64				
3/8/2023			6.23	5.88	7.13	6.53
3/10/2023	6.48	6.5				
10/18/2023	6.48	6.51				
10/19/2023			6.23	5.93	7.57	6.72
3/25/2024			6.34	5.86	7.48	6.55
3/28/2024	6.37	6.41				

Time Series

Constituent: pH (SU) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		6.31				
4/25/2018				6.04		
6/14/2018		6.28		6.29		
7/24/2018		6.34		6.35		
9/1/2018		6.33		6.38		
10/1/2018		6.36				
10/2/2018				6.47		
11/2/2018		6.43		6.42		
12/6/2018		6.43		6.42		
2/13/2019		6.48		6.42		
4/4/2019				6.35		
4/5/2019		6.33				
8/9/2019		6.69		6.42		
8/30/2019		6.68		6.47		
3/16/2020		6.71				
3/17/2020				6.32		
7/13/2020	6.88					
7/14/2020			6.89			7.07
7/30/2020					6.67	
11/9/2020	6.86	6.37	6.89	6.37	6.71	
3/9/2021	7.02	6.27	6.83	6.32	6.62	
3/10/2021						6.81
10/11/2021	6.76				6.61	
10/12/2021				6.55		
10/14/2021		6.41	6.67			6.76
4/5/2022	7.01		6.58			
4/6/2022		6.37		6.16	6.65	
4/7/2022						6.69
10/18/2022	6.97		6.93			
10/19/2022		6.32		6.38	6.94	7.2
3/8/2023	6.44	6.26	6.71			
3/9/2023				6.28	6.53	6.92
10/19/2023	7	6.22	6.65			
10/20/2023				6.36	6.7	6.93
3/26/2024	6.61	6.33	6.76	6.34	6.78	
3/28/2024						6.99

Time Series

Constituent: pH (SU) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		6.31	6.69		6.19
6/13/2018					6.18
6/14/2018		6.25	6.66		
7/23/2018			6.7		6.19
7/24/2018		6.34			
9/6/2018		6.29	6.66		6.13
10/2/2018		6.28	6.63		6.13
11/1/2018			6.75		6.25
11/2/2018		6.4			
12/6/2018		6.4	6.75		6.25
2/13/2019		6.37	6.7		6.24
4/4/2019		6.33	6.72		6.17
4/5/2019	6.12				
4/15/2019	6.14				
5/2/2019	6.19				
5/14/2019	6.12				
5/29/2019	6.11				
6/12/2019	6.09				
6/19/2019	6.1				
6/25/2019	6.18				
8/8/2019					6.23
8/9/2019	6.03	6.34	6.74		
8/30/2019	5.92	6.31	6.68		6.1
3/17/2020	5.97	6.57	6.69		
7/13/2020				6.77	
11/9/2020			6.74		
11/10/2020		6.37		7.06	
11/20/2020	6.09				6.23
3/8/2021					7
3/9/2021	6.13	6.39	6.74	7.1	
10/12/2021		6.51		6.95	6.16
10/20/2021	5.94				
10/21/2021			6.74		
4/6/2022		6.38	6.74	6.73	6.13
4/7/2022	5.91				
10/18/2022		6.43	6.67	6.7	6.32
10/19/2022	6.1				
3/9/2023	6.04	6.37	6.5	6.49	
3/13/2023					6.22
10/20/2023	6.15	6.28	6.61	6.54	6.23
3/26/2024	6.12	6.42		6.73	
3/28/2024			6.78		6.3

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	0.00061 (J)					
6/13/2018	0.00034 (J)					
7/23/2018	0.00035 (J)					
9/1/2018	<0.005					
10/2/2018	<0.005					
11/1/2018	<0.005					
12/6/2018	<0.005					
2/13/2019	<0.005					
3/16/2019			<0.005	<0.005		
3/27/2019			<0.005 (D)	<0.005 (D)		
4/3/2019			<0.005 (D)	<0.005 (D)		
4/16/2019			<0.005	<0.005		
5/3/2019			<0.005	<0.005		
5/14/2019			<0.005	<0.005		
5/29/2019			<0.005	<0.005		
6/12/2019			<0.005	<0.005		
8/8/2019	<0.005		<0.005	<0.005		
8/29/2019			<0.005	<0.005		
8/30/2019	<0.005					
3/17/2020	<0.005		<0.005	<0.005		
7/13/2020		<0.005				
7/21/2020					<0.005	<0.005
11/4/2020					<0.005	<0.005
11/9/2020			<0.005			
11/20/2020	<0.005	<0.005		<0.005		
3/8/2021	<0.005	<0.005			<0.005	<0.005
3/10/2021			<0.005	<0.005		
10/11/2021			<0.005	<0.005		
10/12/2021	<0.005	<0.005				
10/15/2021						<0.005
10/20/2021					<0.005	
4/4/2022			<0.005	<0.005		
4/5/2022	<0.005	<0.005				
4/7/2022					<0.005	<0.005
10/17/2022			<0.005	<0.005		
10/18/2022	<0.005	<0.005				
10/19/2022					<0.005	<0.005
3/7/2023			<0.005			
3/10/2023					<0.005	<0.005
3/13/2023	<0.005	<0.005				
3/14/2023				<0.005		
10/18/2023					<0.005	<0.005
10/21/2023	<0.005	<0.005	<0.005	<0.005		
3/28/2024						<0.005
3/29/2024	<0.005	<0.005	<0.005	<0.005	<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<0.005		0.0016
6/14/2018				0.00061 (J)		0.0019
7/24/2018				0.00037 (J)		0.00087 (J)
9/1/2018				<0.005		0.001 (J)
10/1/2018				<0.005		<0.005
11/2/2018				0.00072 (J)		0.001 (J)
12/7/2018				<0.005		0.0011 (J)
2/13/2019				<0.005		<0.005
3/16/2019			<0.005			
3/27/2019			<0.005			
4/3/2019			<0.005			
4/15/2019			<0.005			
5/2/2019			<0.005			
5/14/2019			<0.005			
5/28/2019			<0.005			
6/12/2019			<0.005			
8/8/2019			<0.005	<0.005		0.0017 (J)
8/30/2019			<0.005	<0.005		<0.005
3/16/2020			<0.005	<0.005		<0.005
7/11/2020					<0.005	
7/21/2020	<0.005					
7/30/2020		<0.005				
11/3/2020	<0.005					
11/4/2020		<0.005	<0.005			
11/5/2020				<0.005	<0.005	<0.005
3/8/2021	<0.005	<0.005	<0.005	<0.005	<0.005	
3/9/2021						<0.005
10/12/2021			<0.005	<0.005	<0.005	
10/15/2021		<0.005				
10/20/2021	<0.005					
10/21/2021						<0.005
4/4/2022			<0.005			
4/5/2022				<0.005	<0.005	<0.005
4/7/2022	<0.005	<0.005				
10/17/2022			<0.005	<0.005		
10/18/2022					<0.005	<0.005
10/19/2022	<0.005	<0.005				
3/8/2023			<0.005	<0.005	<0.005	0.0014 (J)
3/10/2023	<0.005	<0.005				
10/18/2023	<0.005	<0.005				
10/19/2023			<0.005	<0.005	<0.005	<0.005
3/25/2024			<0.005	<0.005	<0.005	<0.005
3/28/2024	<0.005	<0.005				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		0.00055 (J)				
4/25/2018				0.00071 (J)		
6/14/2018		0.00068 (J)		0.0006 (J)		
7/24/2018		0.00036 (J)		0.0006 (J)		
9/1/2018		<0.005		<0.005		
10/1/2018		<0.005				
10/2/2018				<0.005		
11/2/2018		<0.005		<0.005		
12/6/2018		<0.005		<0.005		
2/13/2019		<0.005		<0.005		
8/9/2019		<0.005		<0.005		
8/30/2019		<0.005		<0.005		
3/16/2020		<0.005				
3/17/2020				<0.005		
7/13/2020	<0.005					
7/14/2020			<0.005			<0.005
7/30/2020					<0.005	
11/9/2020	<0.005	<0.005	<0.005	<0.005	<0.005	
11/10/2020						<0.005
3/9/2021	<0.005	<0.005	<0.005	<0.005	<0.005	
3/10/2021						<0.005
10/11/2021	<0.005				<0.005	
10/12/2021				<0.005		
10/14/2021		<0.005	<0.005			<0.005
4/5/2022	<0.005		<0.005			
4/6/2022		<0.005		<0.005	<0.005	
4/7/2022						<0.005
10/18/2022	<0.005		<0.005			
10/19/2022		<0.005		<0.005	<0.005	<0.005
3/8/2023	0.0012 (J)	<0.005	<0.005			
3/9/2023				0.0016 (J)	<0.005	<0.005
10/19/2023	<0.005	<0.005	<0.005			
10/20/2023				<0.005	<0.005	<0.005
3/26/2024	<0.005	<0.005	<0.005	<0.005	<0.005	
3/28/2024						<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		0.00046 (J)	0.00042 (J)		0.00081 (J)
6/13/2018					0.00027 (J)
6/14/2018		0.00039 (J)	0.00049 (J)		
7/23/2018			0.0006 (J)		0.00041 (J)
7/24/2018		0.00036 (J)			
9/6/2018		<0.005	<0.005		<0.005
10/2/2018		<0.005	<0.005		<0.005
11/1/2018			<0.005		<0.005
11/2/2018		<0.005			
12/6/2018		<0.005	<0.005		<0.005
2/13/2019		<0.005	<0.005		<0.005
4/5/2019	<0.005 (D)				
4/15/2019	<0.005				
5/2/2019	<0.005				
5/14/2019	<0.005				
5/29/2019	<0.005				
6/12/2019	<0.005				
6/19/2019	<0.005				
6/25/2019	<0.005				
8/8/2019					<0.005
8/9/2019	<0.005	<0.005	<0.005		
8/30/2019	<0.005	<0.005	<0.005		<0.005
3/17/2020	<0.005	<0.005	<0.005		<0.005
7/13/2020				<0.005	
11/9/2020			<0.005		
11/10/2020		<0.005		<0.005	
11/20/2020	<0.005				<0.005
3/8/2021					<0.005
3/9/2021	<0.005	<0.005	<0.005	<0.005	
10/12/2021		<0.005		<0.005	<0.005
10/20/2021	<0.005				
10/21/2021			<0.005		
4/6/2022		<0.005	<0.005	<0.005	<0.005
4/7/2022	<0.005				
10/18/2022		<0.005	<0.005	<0.005	<0.005
10/19/2022	<0.005				
3/9/2023	<0.005	<0.005	0.00076 (J)	<0.005	
3/13/2023					0.0012 (J)
10/20/2023	<0.005	<0.005	<0.005	<0.005	<0.005
3/26/2024	<0.005	<0.005		<0.005	
3/28/2024			<0.005		<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	290					
6/13/2018	310					
7/23/2018	300					
9/1/2018	290					
10/2/2018	300					
11/1/2018	290					
12/6/2018	290					
2/13/2019	230					
3/16/2019			3.6	0.88 (J)		
3/27/2019			0.81 (JD)	1.3 (D)		
4/3/2019			1.1 (D)	1.9 (D)		
4/4/2019	240					
4/16/2019			0.68 (J)	2.5		
5/3/2019			1.1	1.3		
5/14/2019			1.3	2.2		
5/29/2019			2.1	1.2		
6/12/2019			1.9	1.1		
8/29/2019			2.3	1.1		
8/30/2019	160					
3/17/2020	110		3.7	3.2		
7/13/2020		5.31				
7/21/2020					802	713
11/4/2020					1700 (o)	670
11/9/2020			0.51 (J)			
11/20/2020	50	2.9		0.79 (J)		
3/8/2021	24	3			720	740
3/10/2021			<1	1.1		
10/11/2021			<1	<1		
10/12/2021	4	2.4				
10/15/2021						730
10/20/2021					840	
4/4/2022			0.91 (J)	1.3		
4/5/2022	7.5	5.2				
4/7/2022					810	810
10/17/2022			<1	<1		
10/18/2022	<1	3.7				
10/19/2022					810	830
3/7/2023			0.82 (J)			
3/10/2023					850	870
3/13/2023	2.5	5.3				
3/14/2023				<1		
10/18/2023					750	690
10/21/2023	2.4 (J)	4.2	<1	1		
3/28/2024						770
3/29/2024	<1	4.6	<1	<1	890	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<5		1200
6/14/2018				7.2		1200
7/24/2018				2.7 (J)		1100
9/1/2018				1.5 (J)		1200
10/1/2018				<5		1200
11/2/2018				1.9 (J)		1000
12/7/2018				<5		1100
2/13/2019				1.5 (J)		1100
3/16/2019			14			
3/27/2019			19			
4/3/2019			4.6 (J)			
4/5/2019				7		1200
4/15/2019			8.6			
5/2/2019			6			
5/14/2019			5.8			
5/28/2019			9.4			
6/12/2019			8.8			
8/30/2019			13	8.4		1100
3/16/2020			23	16		1100
7/11/2020					10.6	
7/21/2020	52.9					
7/30/2020		33.4				
11/3/2020	550					
11/4/2020		440	10			
11/5/2020				4.4 (J)	13	1000
3/8/2021	97	72	12	5.7	4.6	
3/9/2021						1100
10/12/2021			<1	<5	3.1	
10/15/2021		55				
10/20/2021	91.5 (D)					
10/21/2021						1040 (D)
4/4/2022			21			
4/5/2022				11	3.9	1100
4/7/2022	160	140				
10/17/2022			1.2	5.6		
10/18/2022					3	850
10/19/2022	76	57				
3/8/2023			5	5.6	4.3	960
3/10/2023	88	76				
10/18/2023	80	88				
10/19/2023			<1	690	3.8	980
3/25/2024			6.3	6	3.7	980
3/28/2024	97	95				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		340				
4/25/2018				920		
6/14/2018		350		980		
7/24/2018		310		950		
9/1/2018		300		980		
10/1/2018		330				
10/2/2018				960		
11/2/2018		310		860		
12/6/2018		300		990		
2/13/2019		320		930		
4/4/2019				1100		
4/5/2019		330				
8/30/2019		330		940		
3/16/2020		330				
3/17/2020				910		
7/13/2020	8.05					
7/14/2020			554			33.5
7/30/2020					12.7	
11/9/2020	5.8	320	560	1000	13	
11/10/2020						20
3/9/2021	11	320	520	910	11	
3/10/2021						14
10/11/2021	4.8				8.9	
10/12/2021				900		
10/14/2021		290	660			12
4/5/2022	6.6		720			
4/6/2022		300		910	10	
4/7/2022						11
10/18/2022	5.3		700			
10/19/2022		230		810	12	13
3/8/2023	6.2	210	710			
3/9/2023				810	6.3	19
10/19/2023	5.4	190	310			
10/20/2023				660	4.6	17
3/26/2024	5.6	170	710	610	4.8	
3/28/2024						18

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		65	670		270
6/13/2018					300
6/14/2018		81	650		
7/23/2018			610		280
7/24/2018		52			
9/6/2018		53	690		270
10/2/2018		34	650		280
11/1/2018			610		270
11/2/2018		35			
12/6/2018		65	660		300
2/13/2019		74	600		280
4/4/2019		61	640		330
4/5/2019	800 (D)				
4/15/2019	700				
5/2/2019	810				
5/14/2019	810				
5/29/2019	830				
6/12/2019	830				
6/19/2019	810				
6/25/2019	800				
8/30/2019	800	83	620		280
3/17/2020	590	430	680		290
7/13/2020				10.5	
11/9/2020			590		
11/10/2020		64		1.8	
11/20/2020	790				270
3/8/2021					280
3/9/2021	830	100	630	0.84 (J)	
10/12/2021		13		0.83 (J)	270
10/20/2021	835 (D)				
10/21/2021			615 (D)		
4/6/2022		98	610	15	290
4/7/2022	820				
10/18/2022		25	560	7.6	280
10/19/2022	800				
3/9/2023	810	79	570	9.3	
3/13/2023					250
10/20/2023	760	93	590	4.3	190
3/26/2024	770	100		5.7	
3/28/2024			630		170

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	<0.001					
6/13/2018	<0.001					
7/23/2018	<0.001					
9/1/2018	<0.001					
10/2/2018	<0.001					
11/1/2018	<0.001					
12/6/2018	<0.001					
2/13/2019	<0.001					
3/16/2019			<0.001	<0.001		
3/27/2019			<0.001 (D)	<0.001 (D)		
4/3/2019			<0.001 (D)	<0.001 (D)		
4/16/2019			<0.001	<0.001		
5/3/2019			<0.001	<0.001		
5/14/2019			<0.001	<0.001		
5/29/2019			<0.001	<0.001		
6/12/2019			<0.001	<0.001		
8/8/2019	0.00015 (J)		<0.001	<0.001		
8/29/2019			0.00015 (J)	0.00017 (J)		
8/30/2019	0.00058 (J)					
3/17/2020	<0.001		<0.001	<0.001		
7/13/2020		<0.001				
7/21/2020					<0.001	<0.001
11/4/2020					<0.001	<0.001
11/9/2020			<0.001			
11/20/2020	<0.001	<0.001		<0.001		
3/8/2021	0.00068 (J)	0.00057 (J)			<0.001	<0.001
3/10/2021			<0.001	<0.001		
10/11/2021			<0.001	<0.001		
10/12/2021	<0.001	<0.001				
10/15/2021						<0.001
10/20/2021					<0.001	
4/4/2022			<0.001	<0.001		
4/5/2022	<0.001	<0.001				
4/7/2022					<0.001	<0.001
10/17/2022			<0.001	<0.001		
10/18/2022	<0.001	<0.001				
10/19/2022					<0.001	<0.001
3/7/2023			<0.001			
3/10/2023					<0.001	<0.001
3/13/2023	<0.001	<0.001				
3/14/2023				<0.001		
10/18/2023					<0.001	<0.001
10/21/2023	<0.001	<0.001	<0.001	<0.001		
3/28/2024						<0.001
3/29/2024	<0.001	<0.001	<0.001	<0.001	<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				<0.001		0.00012 (J)
6/14/2018				<0.001		<0.001
7/24/2018				<0.001		<0.001
9/1/2018				<0.001		<0.001
10/1/2018				<0.001		<0.001
11/2/2018				<0.001		<0.001
12/7/2018				<0.001		<0.001
2/13/2019				<0.001		<0.001
3/16/2019			<0.001			
3/27/2019			<0.001			
4/3/2019			<0.001			
4/15/2019			<0.001			
5/2/2019			<0.001			
5/14/2019			<0.001			
5/28/2019			<0.001			
6/12/2019			<0.001			
8/8/2019			<0.001	0.00084 (J)		<0.001
8/30/2019			<0.001	<0.001		<0.001
3/16/2020			<0.001	<0.001		<0.001
7/11/2020					<0.001	
7/21/2020	<0.001					
7/30/2020		<0.001				
11/3/2020	<0.001					
11/4/2020		<0.001	0.00019 (J)			
11/5/2020				<0.001	<0.001	<0.001
3/8/2021	<0.001	<0.001	<0.001	<0.001	<0.001	
3/9/2021						<0.001
10/12/2021			<0.001	<0.001	<0.001	
10/15/2021		<0.001				
10/20/2021	<0.001					
10/21/2021						<0.001
4/4/2022			<0.001			
4/5/2022				<0.001	<0.001	<0.001
4/7/2022	<0.001	<0.001				
10/17/2022			<0.001	<0.001		
10/18/2022					<0.001	<0.001
10/19/2022	<0.001	<0.001				
3/8/2023			<0.001	<0.001	<0.001	<0.001
3/10/2023	<0.001	<0.001				
10/18/2023	<0.001	<0.001				
10/19/2023			<0.001	<0.001	<0.001	<0.001
3/25/2024			<0.001	<0.001	<0.001	<0.001
3/28/2024	<0.001	<0.001				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		<0.001				
4/25/2018				<0.001		
6/14/2018		<0.001		<0.001		
7/24/2018		<0.001		<0.001		
9/1/2018		<0.001		<0.001		
10/1/2018		<0.001				
10/2/2018				<0.001		
11/2/2018		<0.001		<0.001		
12/6/2018		<0.001		<0.001		
2/13/2019		<0.001		<0.001		
8/9/2019		<0.001		<0.001		
8/30/2019		<0.001		<0.001		
3/16/2020		<0.001				
3/17/2020				<0.001		
7/13/2020	<0.001					
7/14/2020			<0.001			<0.001
7/30/2020					<0.001	
11/9/2020	<0.001	<0.001	<0.001	<0.001	<0.001	
11/10/2020						<0.001
3/9/2021	<0.001	<0.001	<0.001	<0.001	<0.001	
3/10/2021						<0.001
10/11/2021	<0.001				<0.001	
10/12/2021				<0.001		
10/14/2021		<0.001	<0.001			<0.001
4/5/2022	<0.001		<0.001			
4/6/2022		<0.001		<0.001	<0.001	
4/7/2022						<0.001
10/18/2022	<0.001		<0.001			
10/19/2022		<0.001		<0.001	<0.001	<0.001
3/8/2023	<0.001	<0.001	<0.001			
3/9/2023				<0.001	<0.001	<0.001
10/19/2023	<0.001	<0.001	<0.001			
10/20/2023				<0.001	<0.001	<0.001
3/26/2024	<0.001	<0.001	<0.001	<0.001	<0.001	
3/28/2024						<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		<0.001	<0.001		<0.001
6/13/2018					<0.001
6/14/2018		<0.001	<0.001		
7/23/2018			<0.001		<0.001
7/24/2018		<0.001			
9/6/2018		<0.001	<0.001		<0.001
10/2/2018		<0.001	<0.001		<0.001
11/1/2018			<0.001		<0.001
11/2/2018		<0.001			
12/6/2018		<0.001	<0.001		<0.001
2/13/2019		<0.001	<0.001		<0.001
4/5/2019	<0.001 (D)				
4/15/2019	<0.001				
5/2/2019	<0.001				
5/14/2019	<0.001				
5/29/2019	<0.001				
6/12/2019	<0.001				
6/19/2019	<0.001				
6/25/2019	<0.001				
8/8/2019					<0.001
8/9/2019	<0.001	<0.001	0.00025 (J)		
8/30/2019	<0.001	<0.001	0.0013		0.0016
3/17/2020	<0.001	<0.001	<0.001		<0.001
7/13/2020				<0.001	
11/9/2020			<0.001		
11/10/2020		<0.001		<0.001	
11/20/2020	<0.001				<0.001
3/8/2021					0.00024 (J)
3/9/2021	<0.001	<0.001	0.00017 (J)	<0.001	
10/12/2021		<0.001		<0.001	<0.001
10/20/2021	<0.001				
10/21/2021			<0.001		
4/6/2022		<0.001	<0.001	<0.001	<0.001
4/7/2022	<0.001				
10/18/2022		<0.001	<0.001	<0.001	<0.001
10/19/2022	<0.001				
3/9/2023	<0.001	<0.001	<0.001	<0.001	
3/13/2023					<0.001
10/20/2023	<0.001	<0.001	<0.001	<0.001	<0.001
3/26/2024	<0.001	<0.001		<0.001	
3/28/2024			<0.001		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-11 (bg)	APMW-12 (bg)	APMW-13 (bg)	APMW-14 (bg)
4/25/2018	2500					
6/13/2018	2900					
7/23/2018	3100					
9/1/2018	2700					
10/2/2018	2900					
11/1/2018	2700					
12/6/2018	2600					
2/13/2019	2800					
3/16/2019			120	150		
3/27/2019			63 (D)	110 (D)		
4/3/2019			100 (D)	150 (D)		
4/4/2019	2500					
4/16/2019			110	150		
5/3/2019			91	130		
5/14/2019			120	150		
5/29/2019			140	180		
6/12/2019			100	130		
8/29/2019			73	110		
8/30/2019	2200					
3/17/2020	2700		95	120		
7/13/2020		152				
7/21/2020					3760	6350
11/4/2020					5400	6500
11/9/2020			68			
11/20/2020	2100	180		160		
3/8/2021	2100	160			3600	6800
3/10/2021			89	140		
10/11/2021			80	120		
10/12/2021	2300	160				
10/15/2021						5700
10/20/2021					3400	
4/4/2022			78	120		
4/5/2022	1700	140				
4/7/2022					3400	6000
10/17/2022			86	120		
10/18/2022	1900	130				
10/19/2022					3600	5900
3/7/2023			86			
3/10/2023					3600	5600
3/13/2023	1500	150				
3/14/2023				120		
10/18/2023					3500	6200
10/21/2023	1600	150	73	130		
3/28/2024						6100
3/29/2024	1400	130	87	120	3500	

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-15 (bg)	APMW-16 (bg)	APMW-1R	APMW-2	APMW-2D	APMW-3
4/24/2018				4800		18000
6/14/2018				5700		13000
7/24/2018				6000		18000
9/1/2018				6300		20000
10/1/2018				6500		20000
11/2/2018				3800		19000
12/7/2018				5300		13000
2/13/2019				6200		16000
3/16/2019			3300			
3/27/2019			2900			
4/3/2019			3600			
4/5/2019				5000		18000
4/15/2019			3300			
5/2/2019			3300			
5/14/2019			3600			
5/28/2019			3500			
8/30/2019			3500	4400		18000
3/16/2020			4500	4400		16000
7/11/2020					170	
7/21/2020	5400					
7/30/2020		5020				
11/3/2020	9200					
11/4/2020		8500	5000			
11/5/2020				4100	190	19000
3/8/2021	6200	5100	5200	4300	160	
3/9/2021						22000
10/12/2021			4700	4400	160	
10/15/2021		5700				
10/20/2021	5200					
10/21/2021						18000
4/4/2022			4700			
4/5/2022				4400	140	16000
4/7/2022	5100	5100				
10/17/2022			4900	6600		
10/18/2022					150	14000
10/19/2022	5700	5700				
3/8/2023			4400	4000	150	17000
3/10/2023	5000	4700				
10/18/2023	5000	5300				
10/19/2023			4200	3900	140	17000
3/25/2024			4600	4000	140	16000
3/28/2024	4900	5100				

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/9/2024 1:03 PM

Plant Watson Data: Plant Watson AP CCR

	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-6D
4/24/2018		7700				
4/25/2018				16000		
6/14/2018		7200		14000		
7/24/2018		7000		15000		
9/1/2018		7800		16000		
10/1/2018		8400				
10/2/2018				17000		
11/2/2018		7600		15000		
12/6/2018		7400		14000		
2/13/2019		7700		16000		
4/4/2019				18000		
4/5/2019		7000				
8/30/2019		5800		16000		
3/16/2020		6100				
3/17/2020				15000		
7/13/2020	152					
7/14/2020			14800			184
7/30/2020					133 (D)	
11/9/2020	170	5400	16000	14000	130	
11/10/2020						150
3/9/2021	230	5500	19000	20000	150	
3/10/2021						160
10/11/2021	170				140	
10/12/2021				15000		
10/14/2021		5700	15000			150
4/5/2022	160		14000			
4/6/2022		5200		15000	130	
4/7/2022						160
10/18/2022	170		15000			
10/19/2022		5900		13000	240	160
3/8/2023	180	4600	15000			
3/9/2023				15000	150	190
10/19/2023	170	3900	14000			
10/20/2023				13000	130	200
3/26/2024	180	3900	14000	12000	140	
3/28/2024						210

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/9/2024 1:03 PM

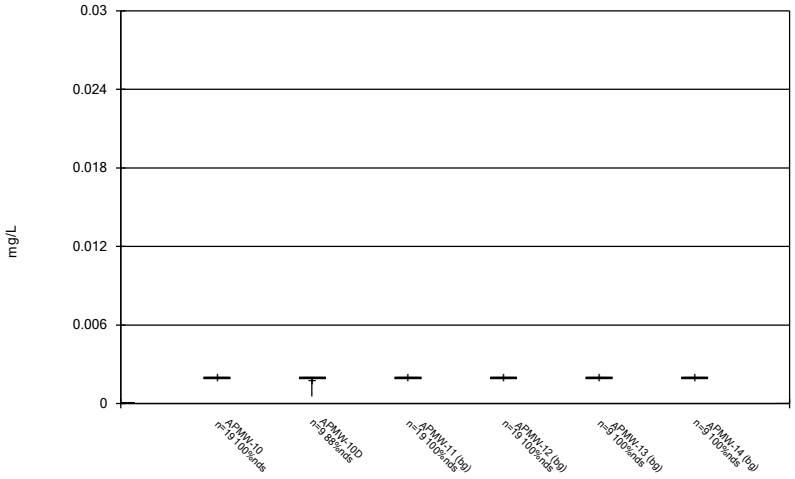
Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/25/2018		7500	6400		5800
6/13/2018					5800
6/14/2018		7000	6000		
7/23/2018			7200		5800
7/24/2018		7200			
9/6/2018		7000	7800		6300
10/2/2018		7400	8200		6500
11/1/2018			7300		5000
11/2/2018		6900			
12/6/2018		6900	8300		6000
2/13/2019		8200	8900		6700
4/4/2019		8100	7700		4500
4/5/2019	7800 (D)				
4/15/2019	6600				
5/2/2019	7400				
5/14/2019	8300				
5/29/2019	8600				
6/12/2019	6800				
6/19/2019	7100				
6/25/2019	8500				
8/30/2019	6600	6900	6300		4900
3/17/2020	7200	6900	6400		5400
7/13/2020				148	
11/9/2020			7100		
11/10/2020		7100		150	
11/20/2020	7400				6000
3/8/2021					6300
3/9/2021	8800	7800	8100	170	
10/12/2021		6900		170	7000
10/20/2021	7600				
10/21/2021			6600		
4/6/2022		7700	8900	130	5600
4/7/2022	7600				
10/18/2022		7900	7000	140	5900
10/19/2022	7000				
3/9/2023	7500	7900	7400	110	
3/13/2023					6000
10/20/2023	7000	8000	7100	110	5100
3/26/2024	7300	7600		120	
3/28/2024			7600		5100

FIGURE B.

Sanitas™ v.10.0.16 . UG

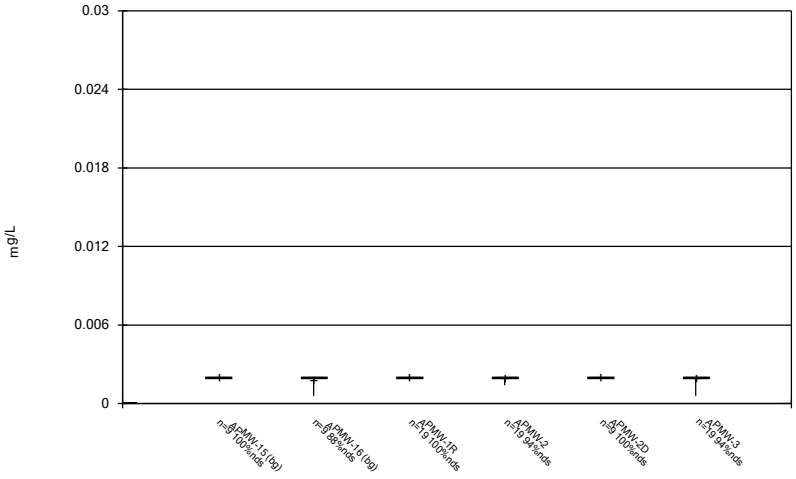
Box & Whiskers Plot



Constituent: Antimony Analysis Run 5/9/2024 1:15 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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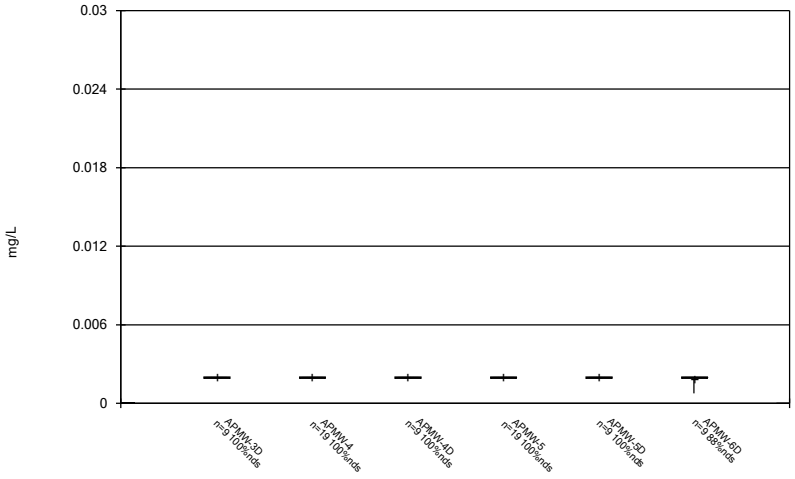
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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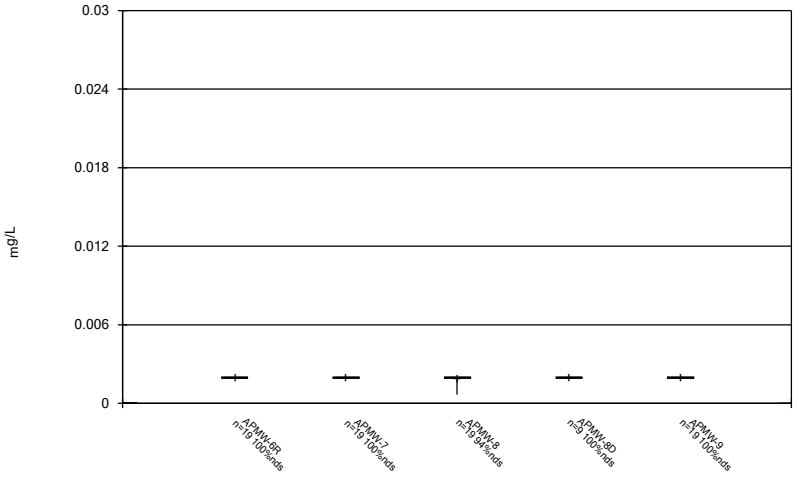
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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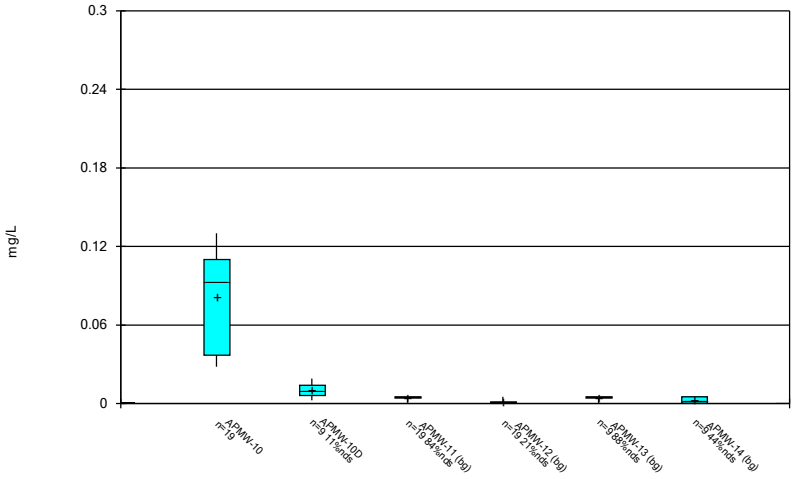
Plant Watson Data: Plant Watson AP CCR

Box & Whiskers Plot



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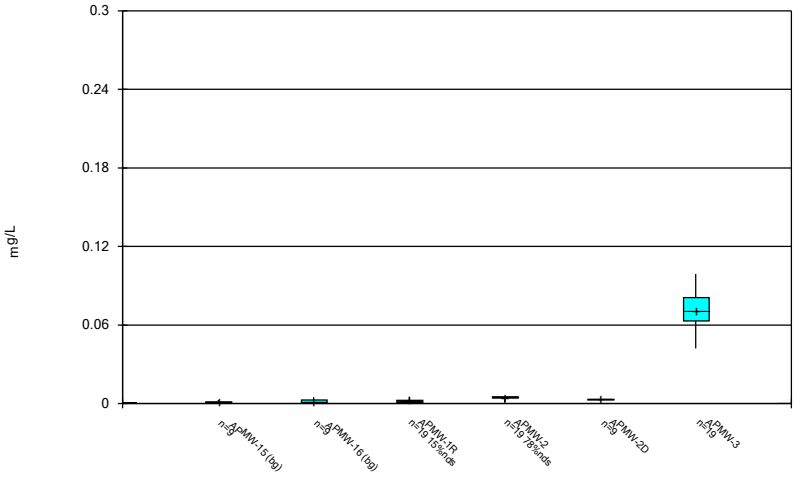
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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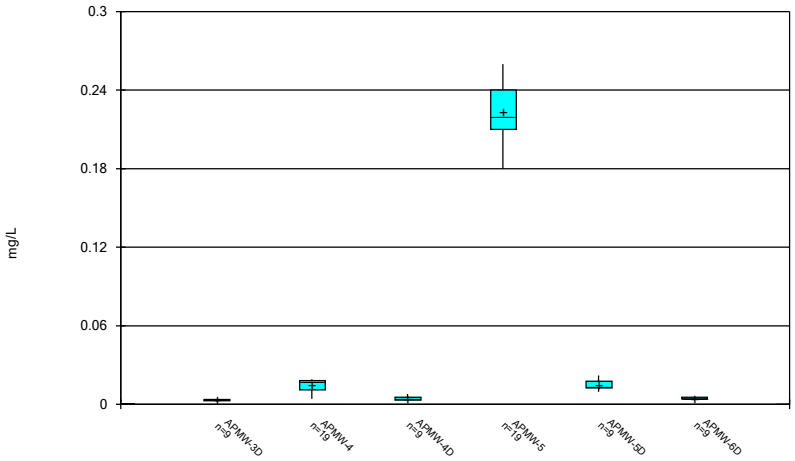
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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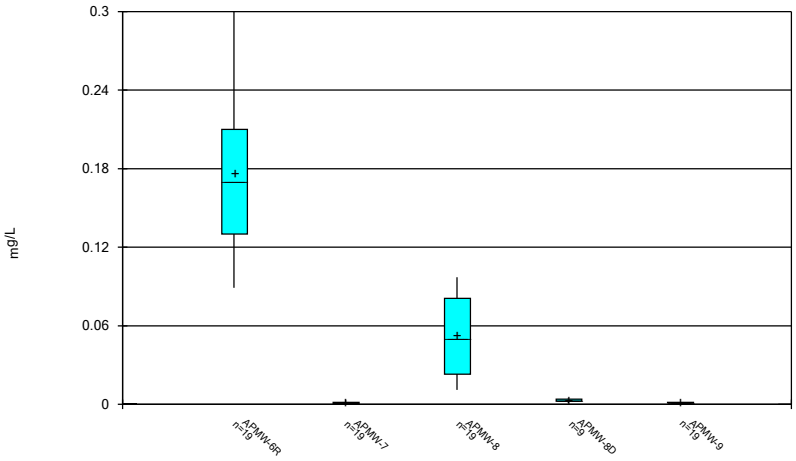
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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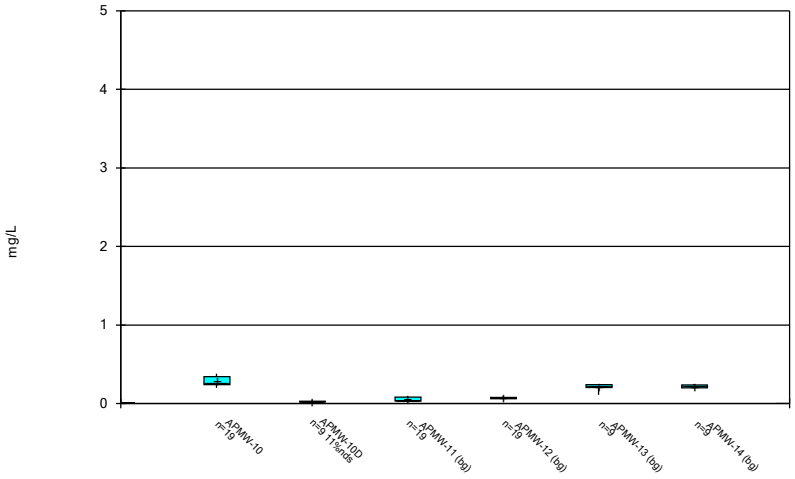
Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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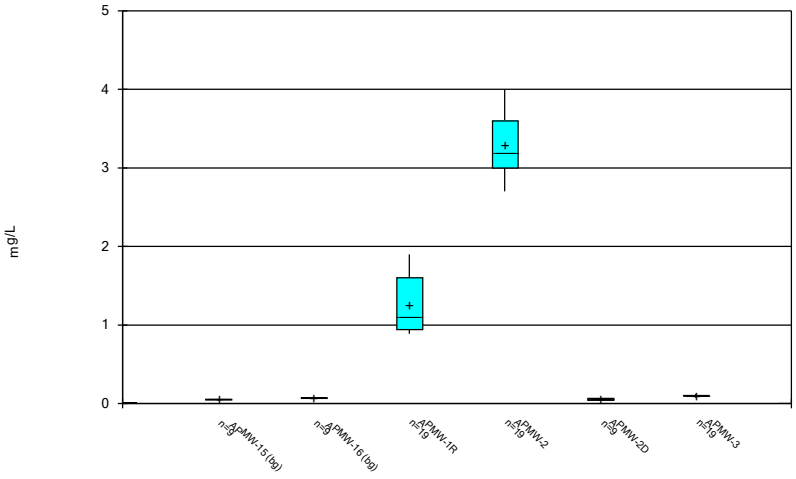
Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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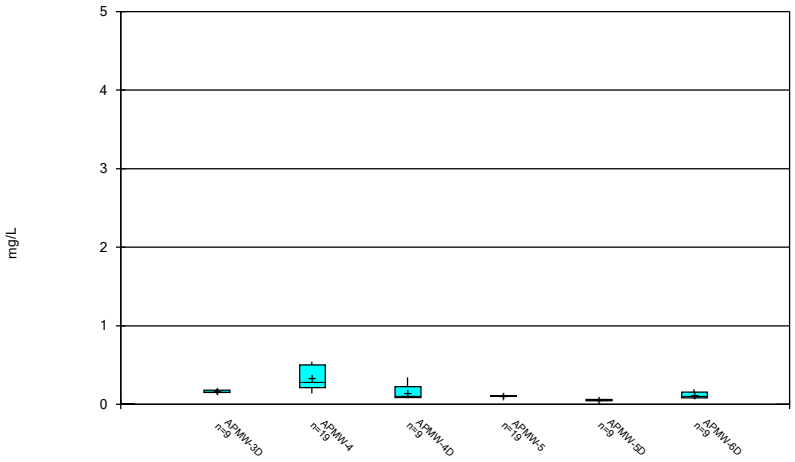
Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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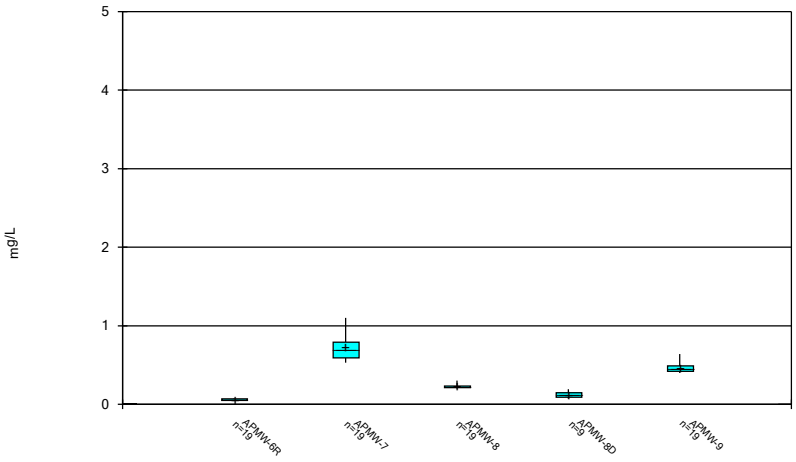
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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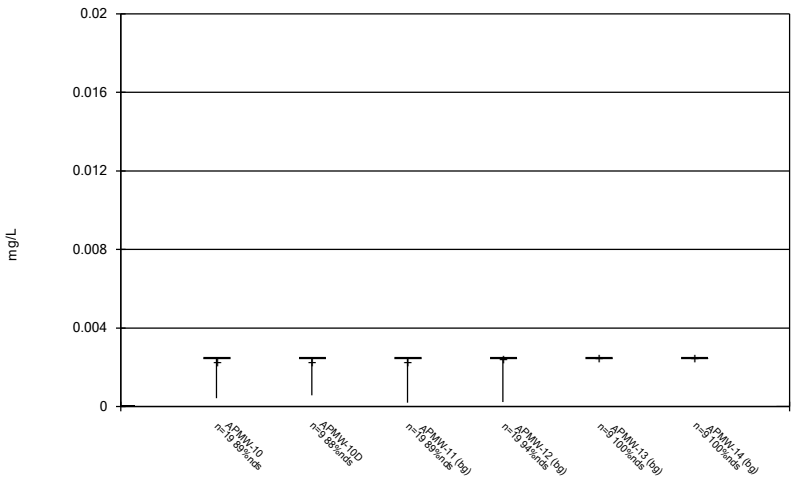
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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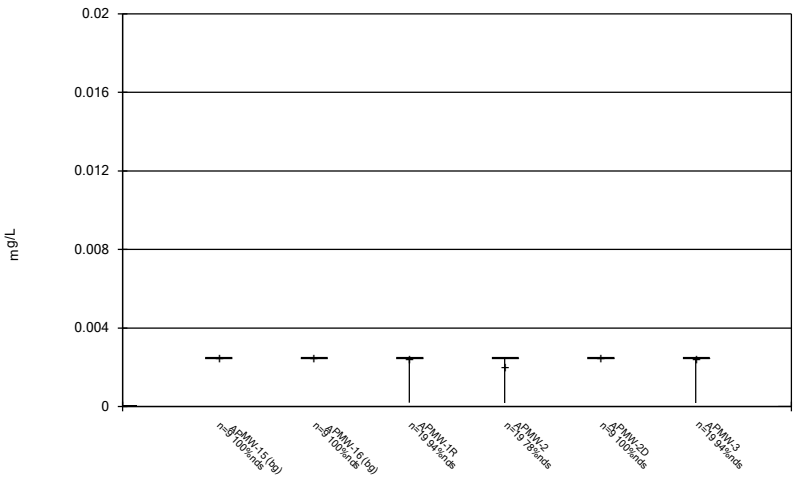
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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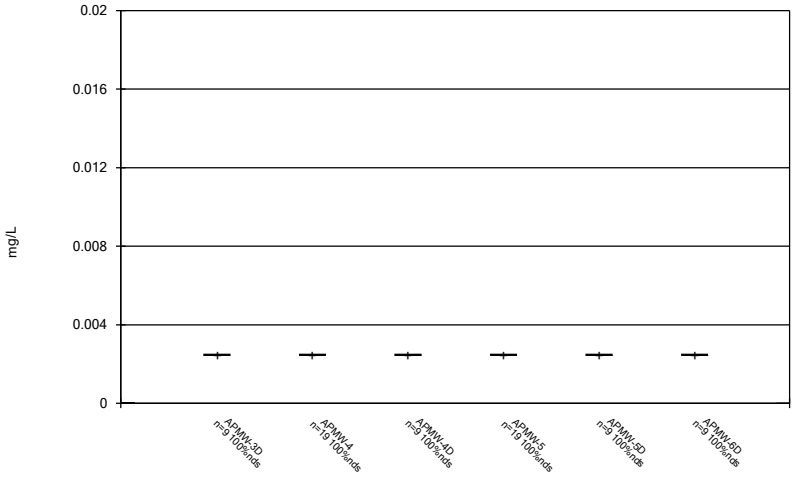
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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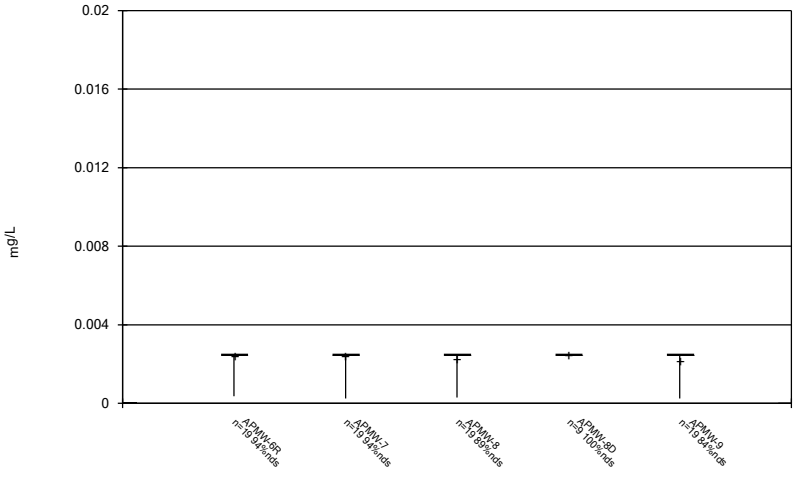
Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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Plant Watson Data: Plant Watson AP CCR

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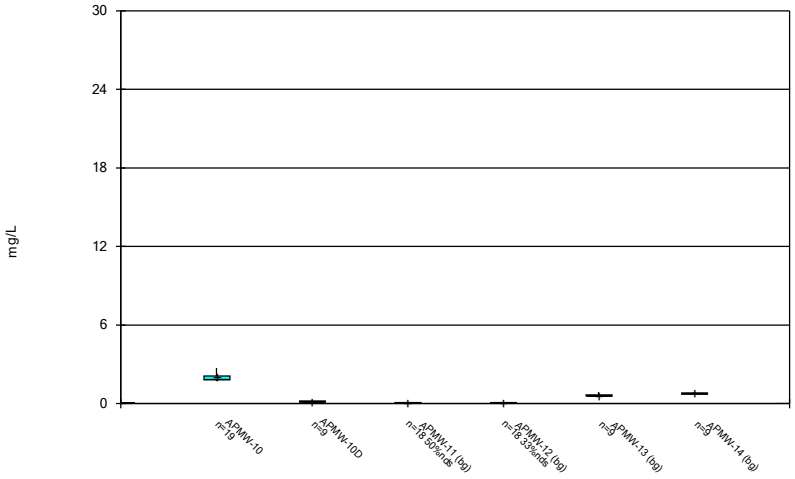
Box & Whiskers Plot



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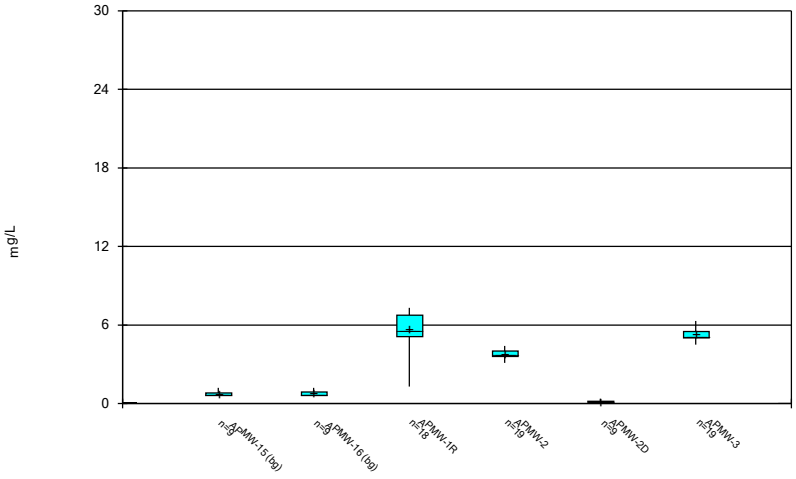
Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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Plant Watson Data: Plant Watson AP CCR

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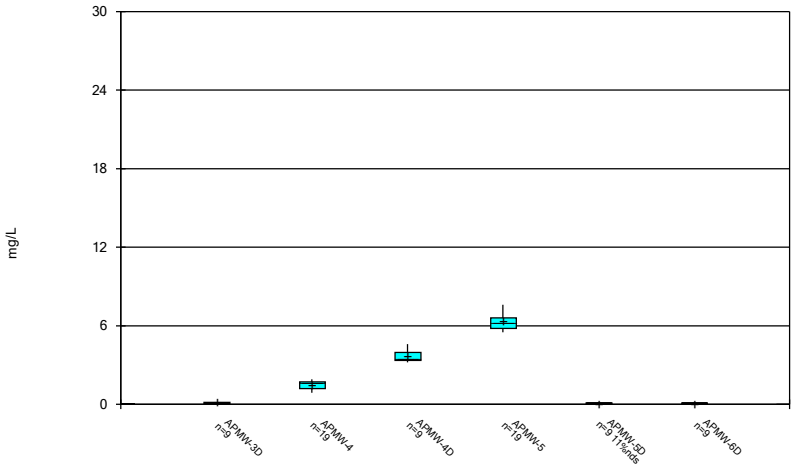
Box & Whiskers Plot



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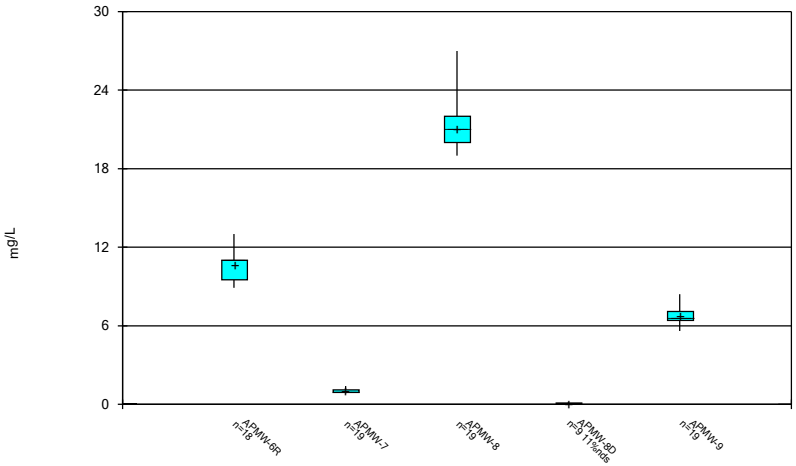
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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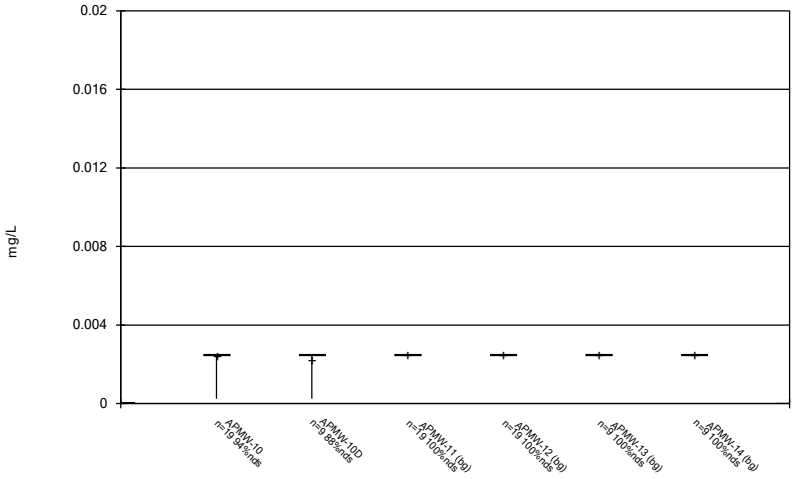
Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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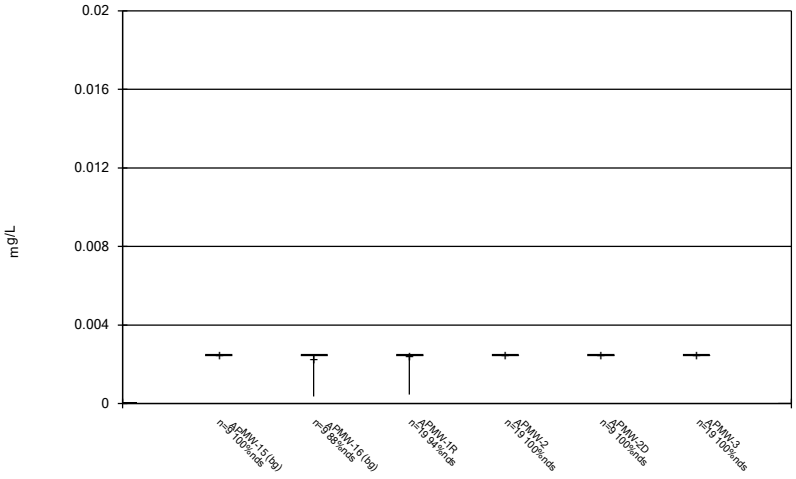
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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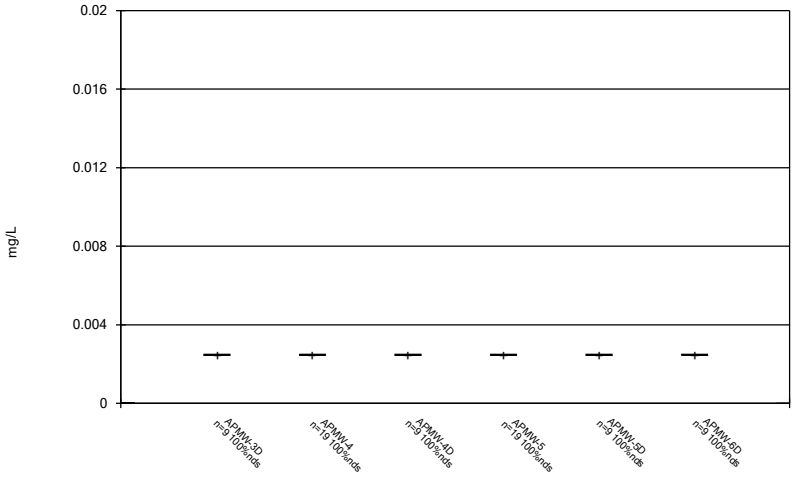
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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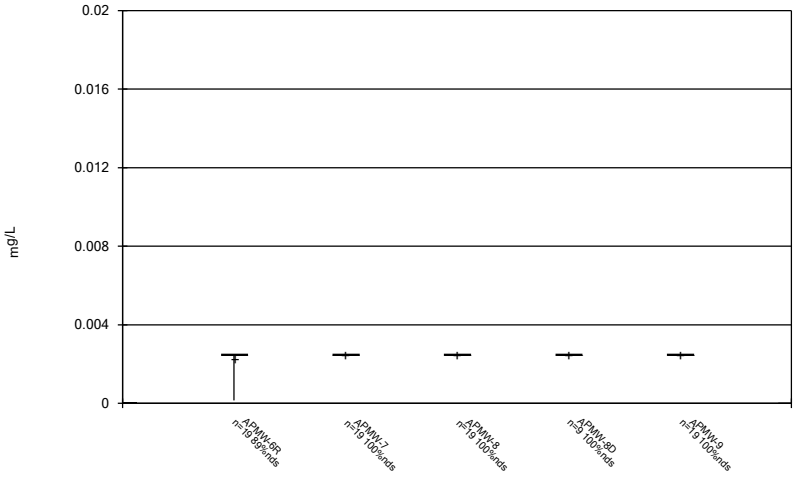
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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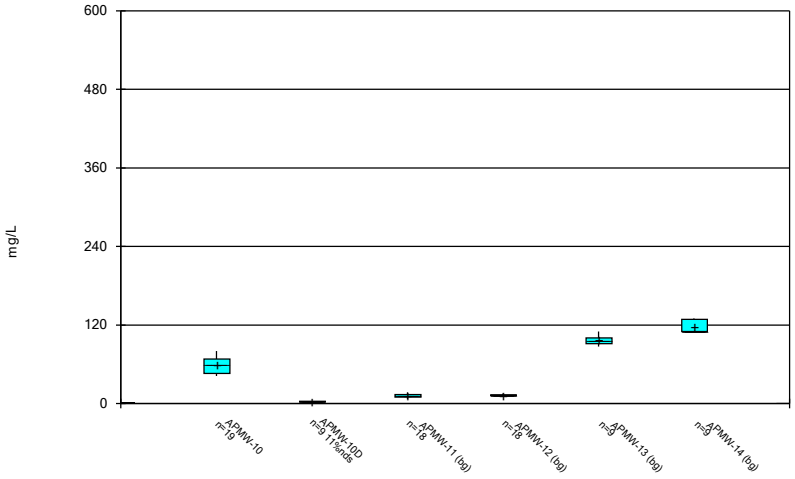
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

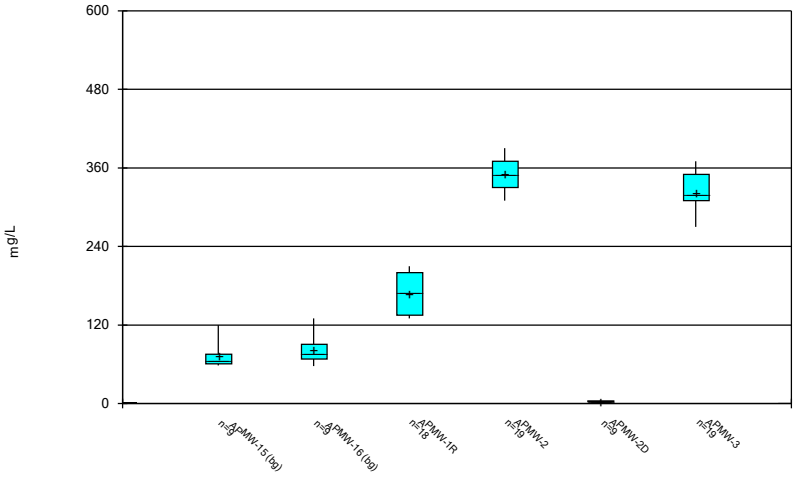
Box & Whiskers Plot



Constituent: Calcium Analysis Run 5/9/2024 1:15 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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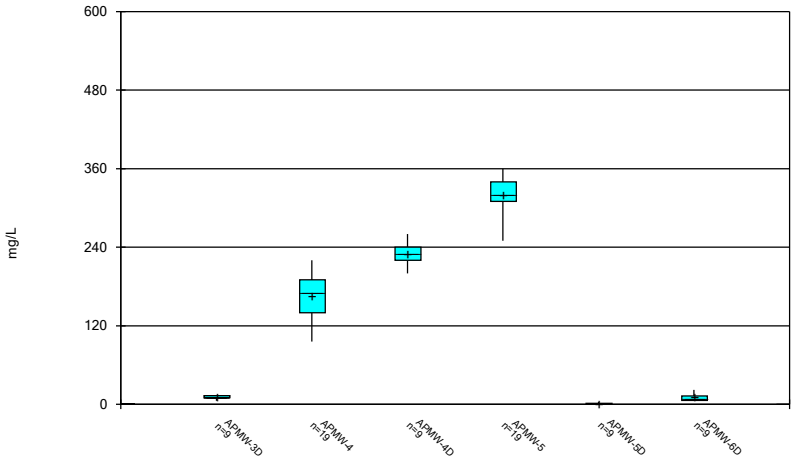
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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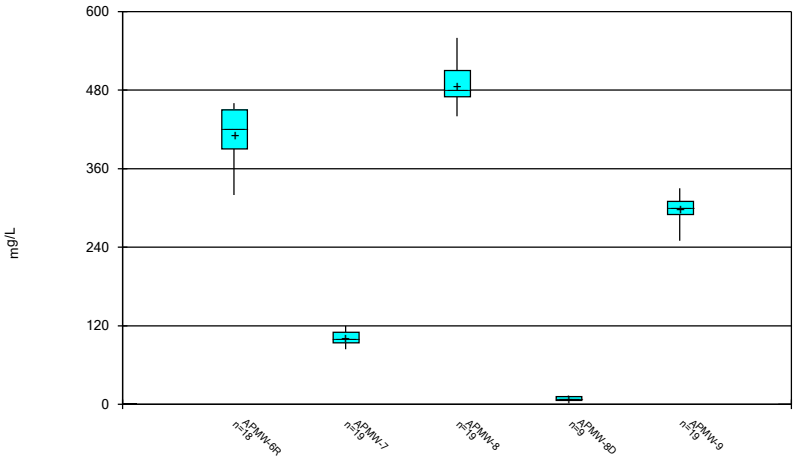
Box & Whiskers Plot



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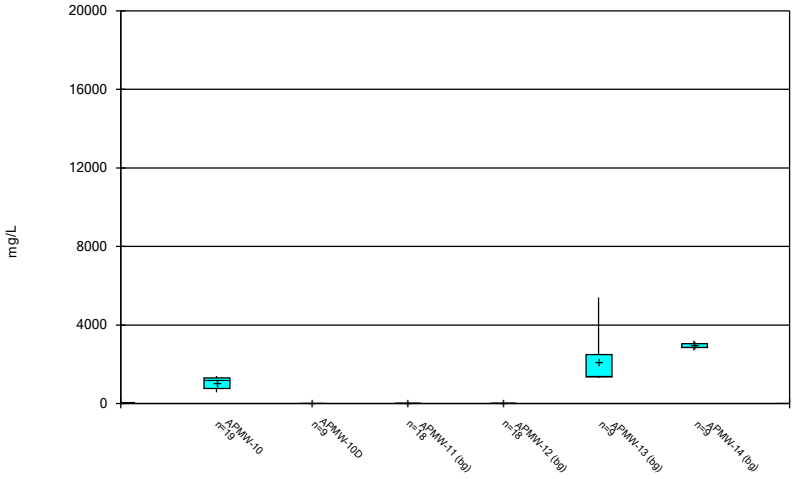
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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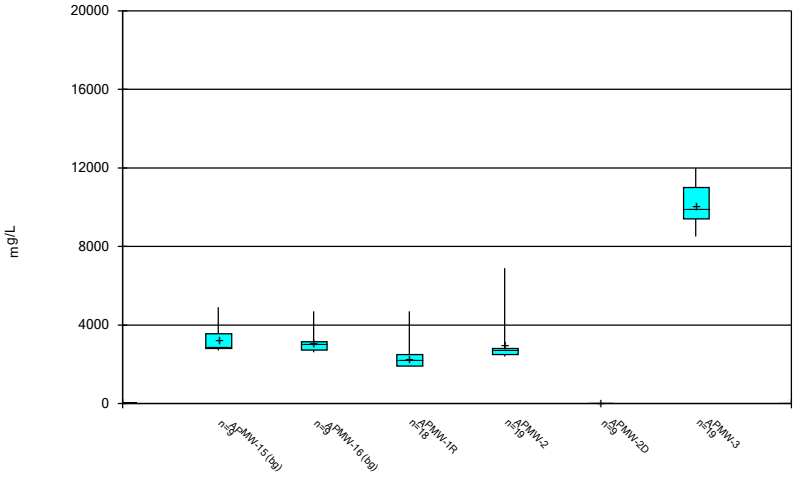
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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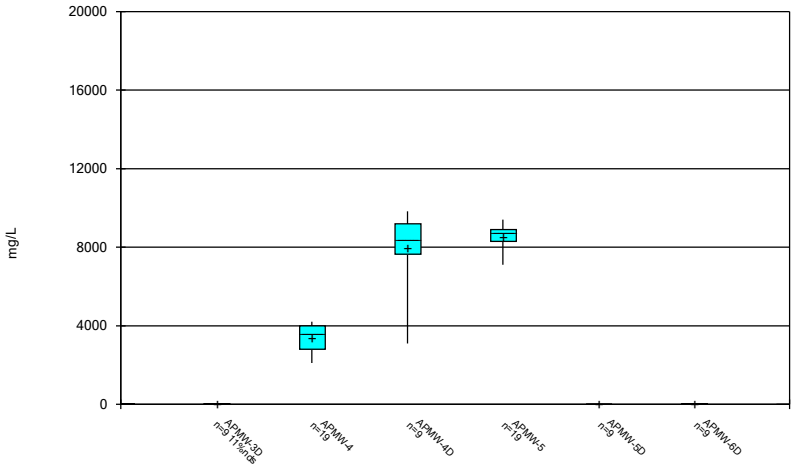
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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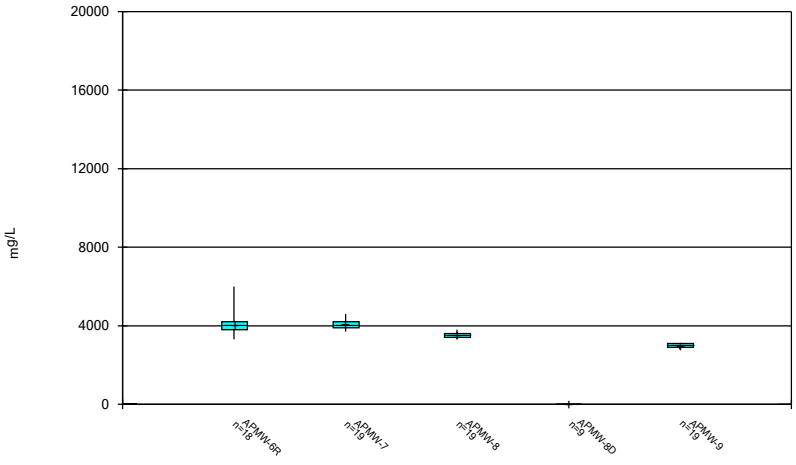
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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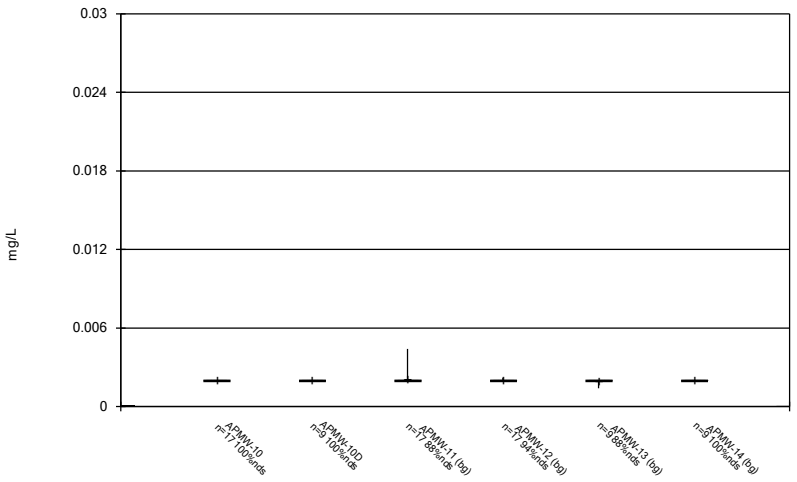
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot

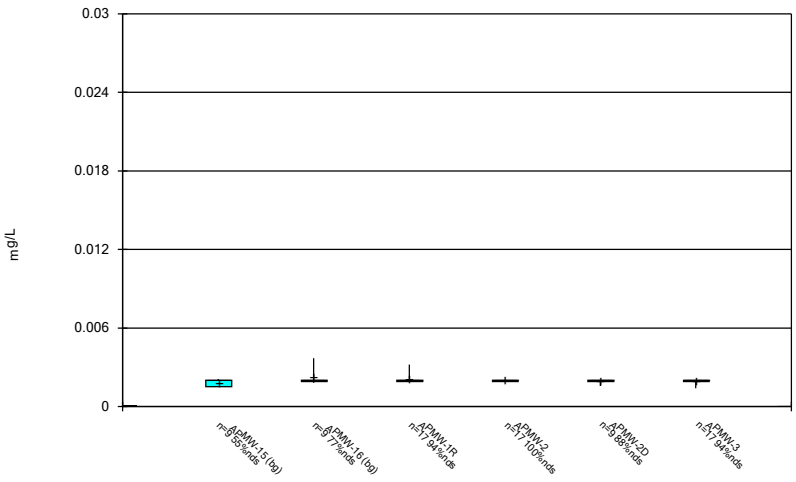


Constituent: Chromium Analysis Run 5/9/2024 1:15 PM

Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot

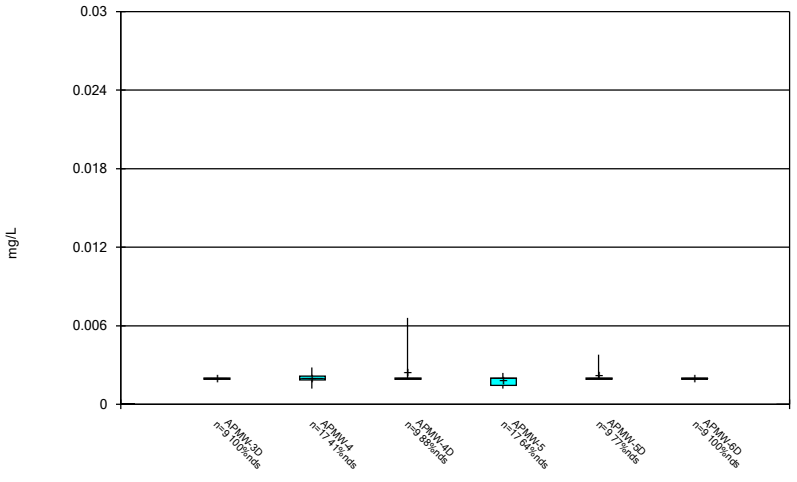


Constituent: Chromium Analysis Run 5/9/2024 1:15 PM

Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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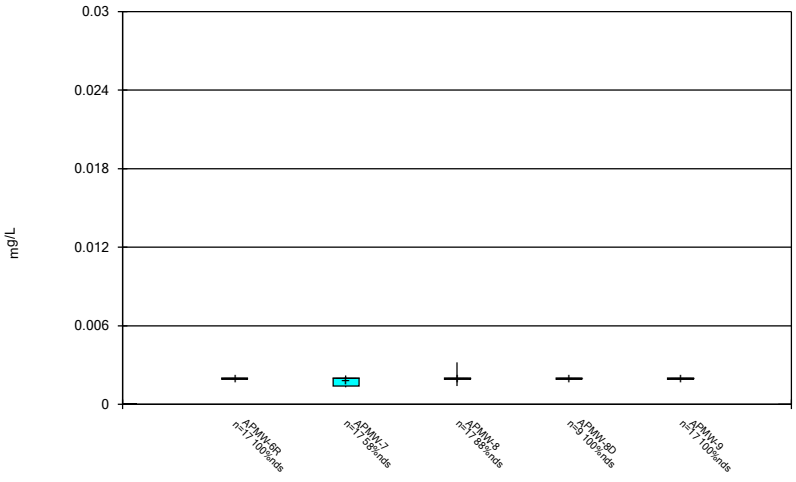
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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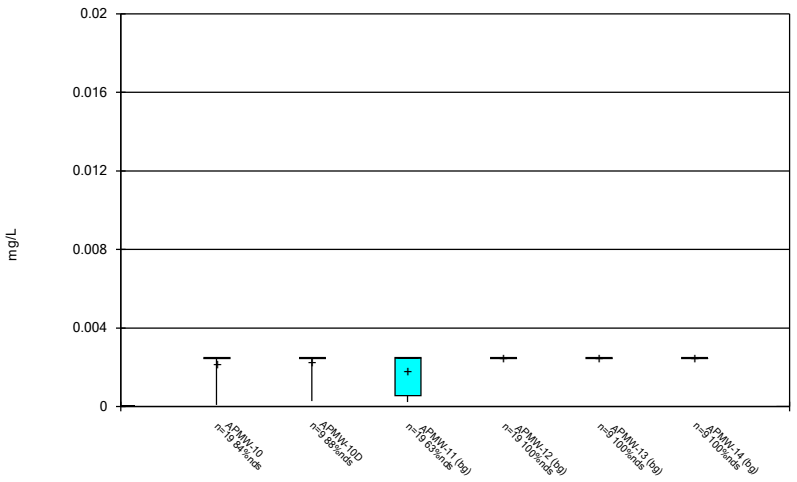
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

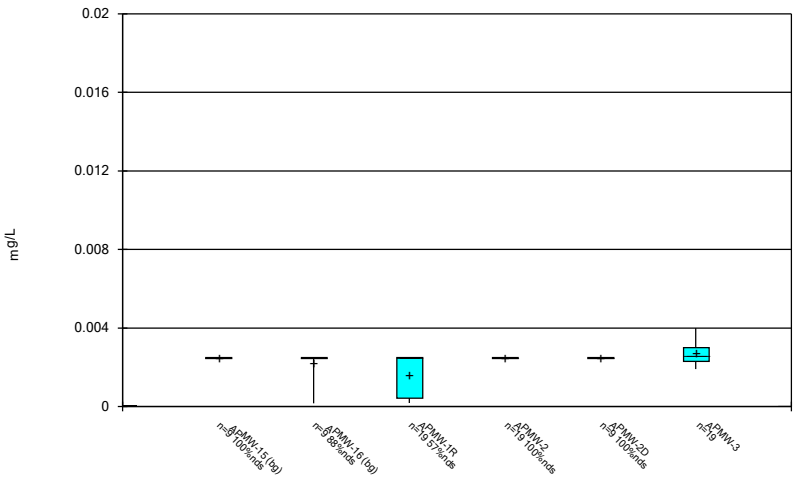
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 5/9/2024 1:15 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

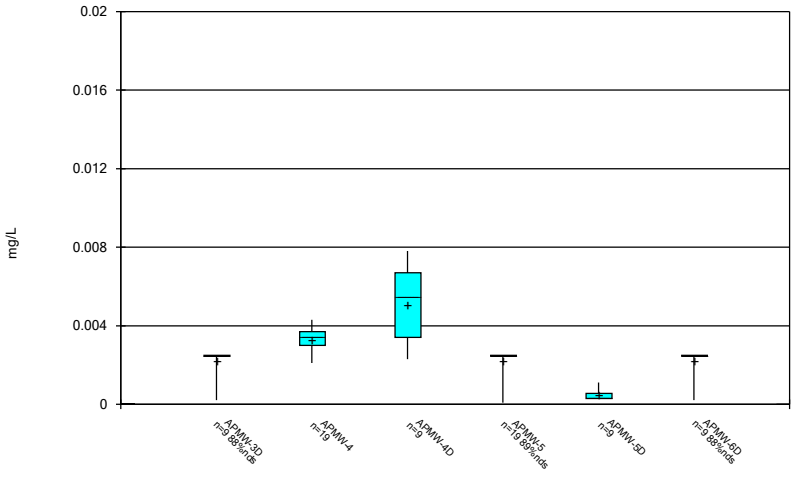
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 5/9/2024 1:15 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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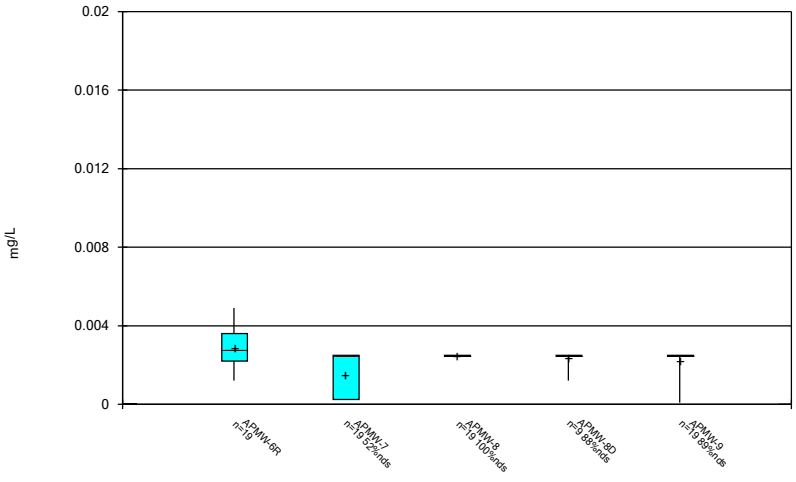
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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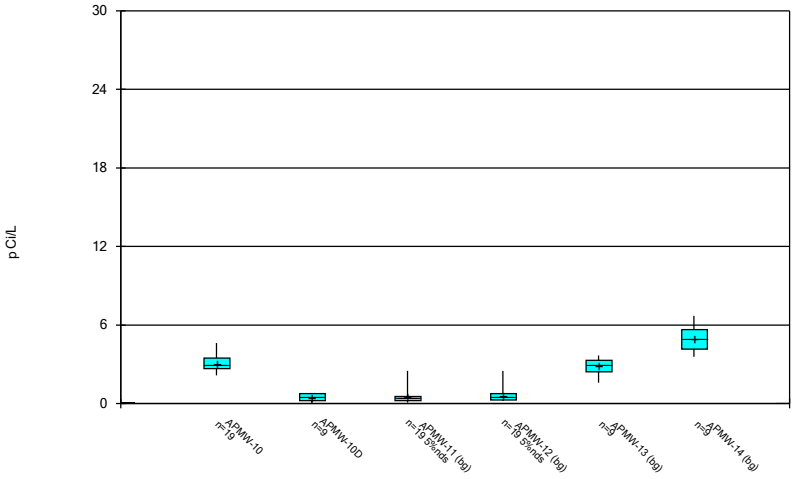
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot

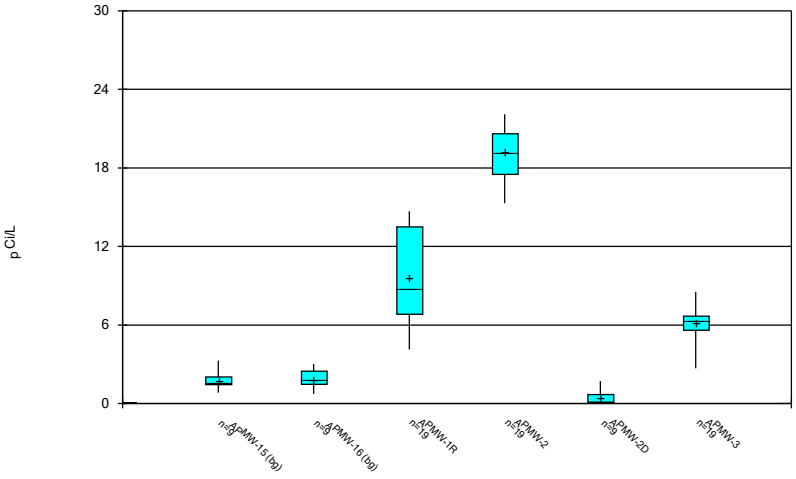


Constituent: Combined Radium 226 + 228 Analysis Run 5/9/2024 1:15 PM

Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot

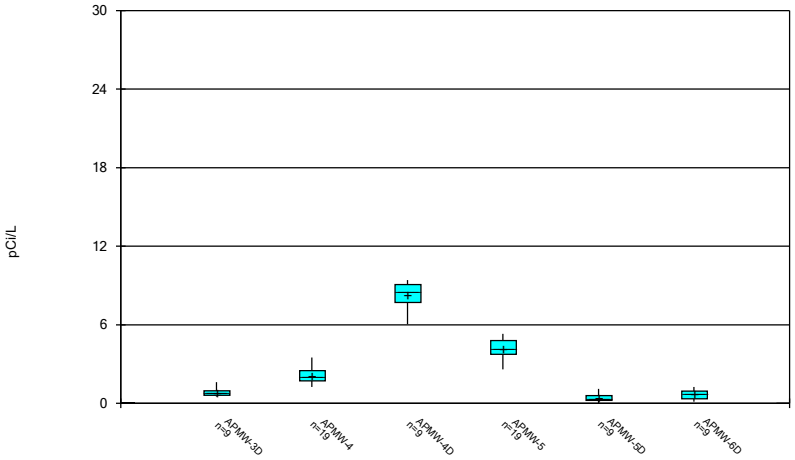


Constituent: Combined Radium 226 + 228 Analysis Run 5/9/2024 1:15 PM

Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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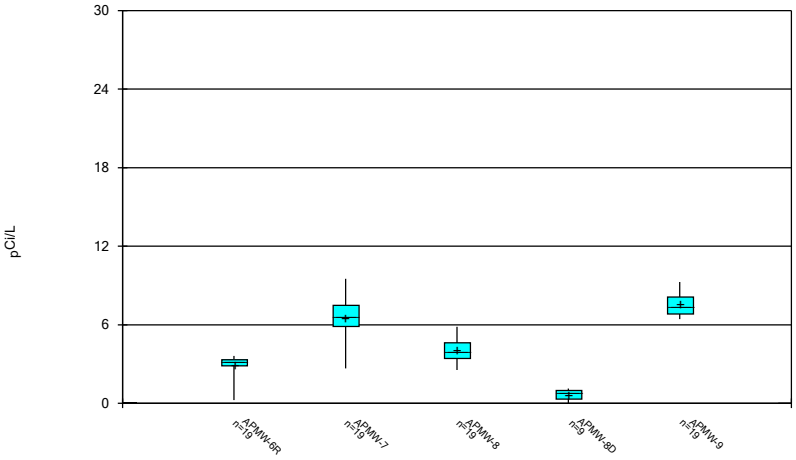
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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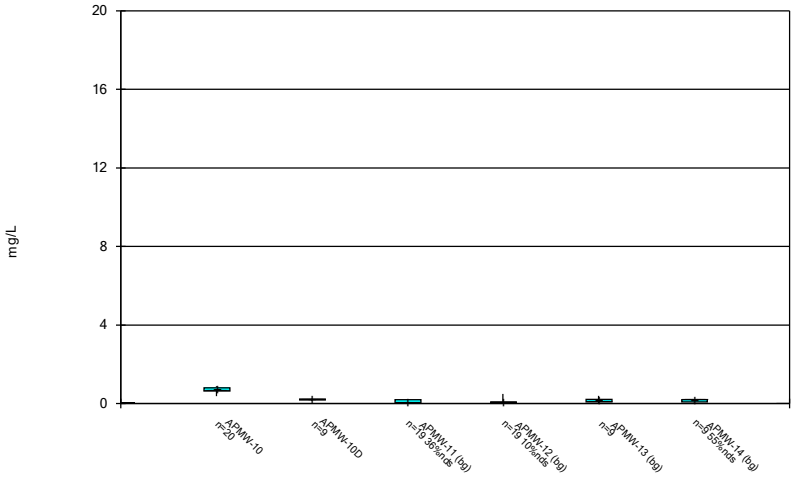
Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot

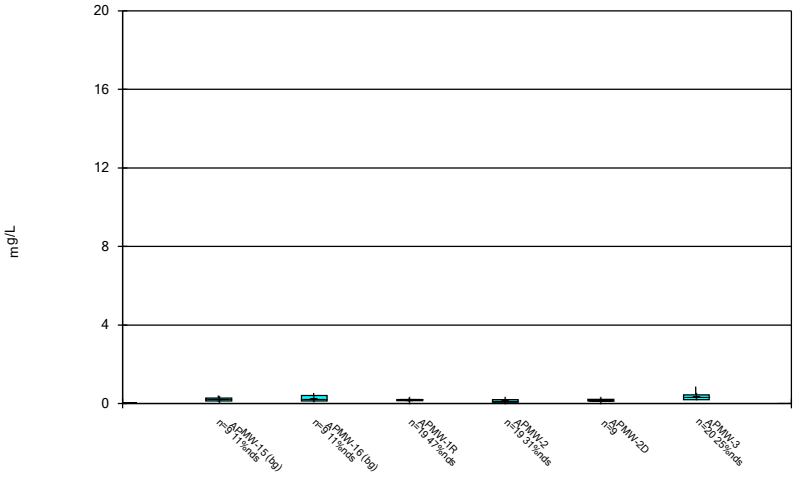


Constituent: Fluoride Analysis Run 5/9/2024 1:15 PM

Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot

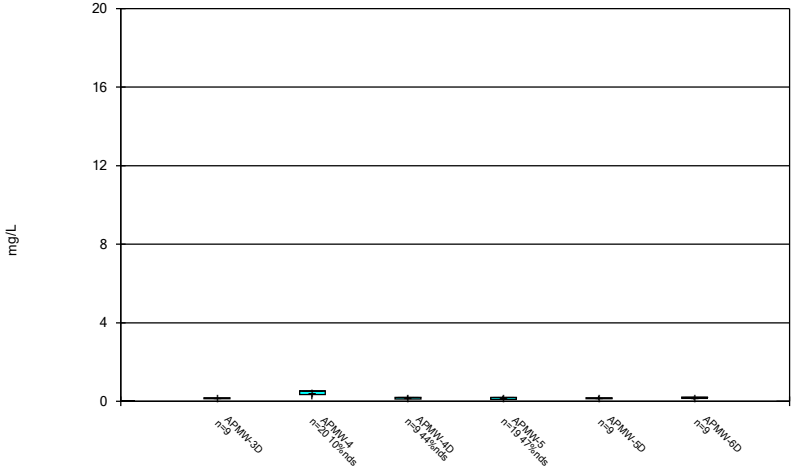


Constituent: Fluoride Analysis Run 5/9/2024 1:15 PM

Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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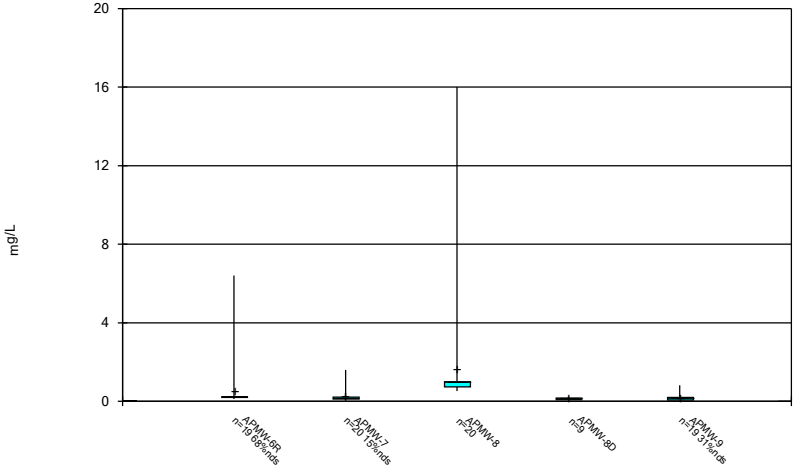
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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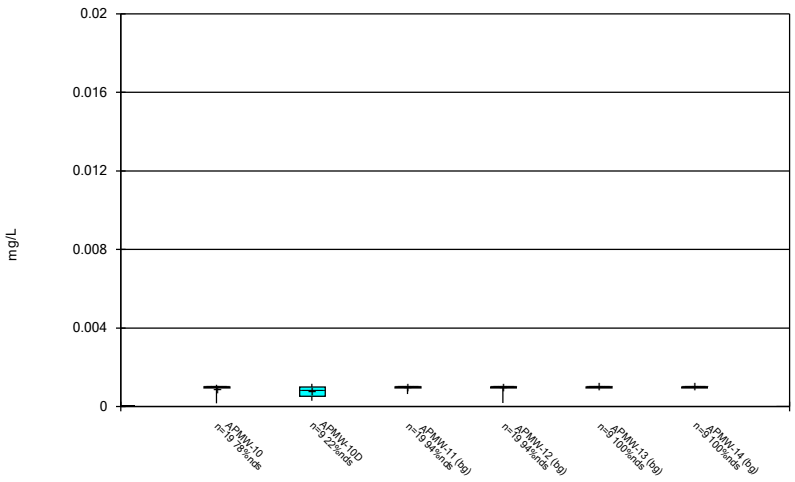
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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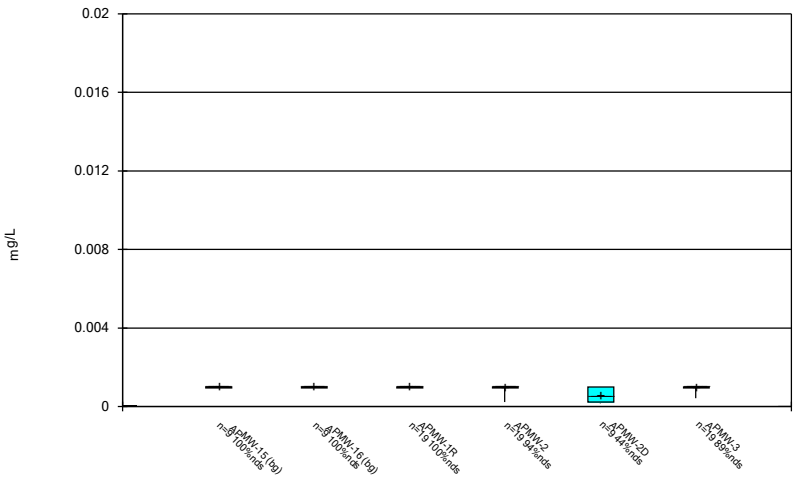
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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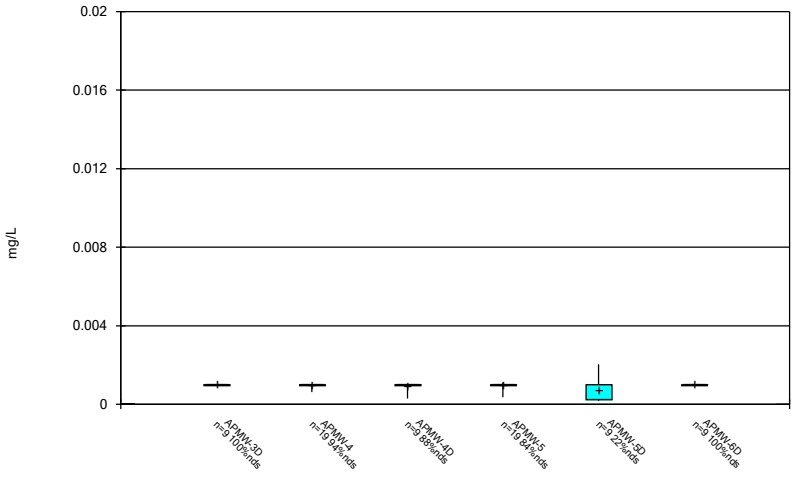
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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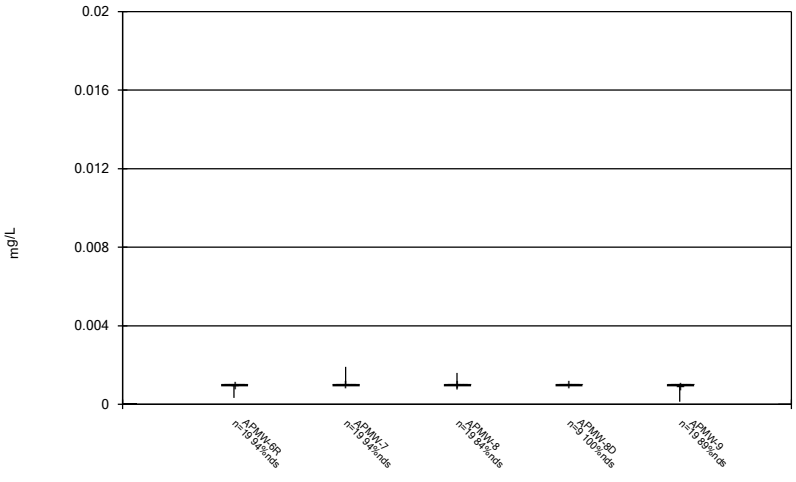
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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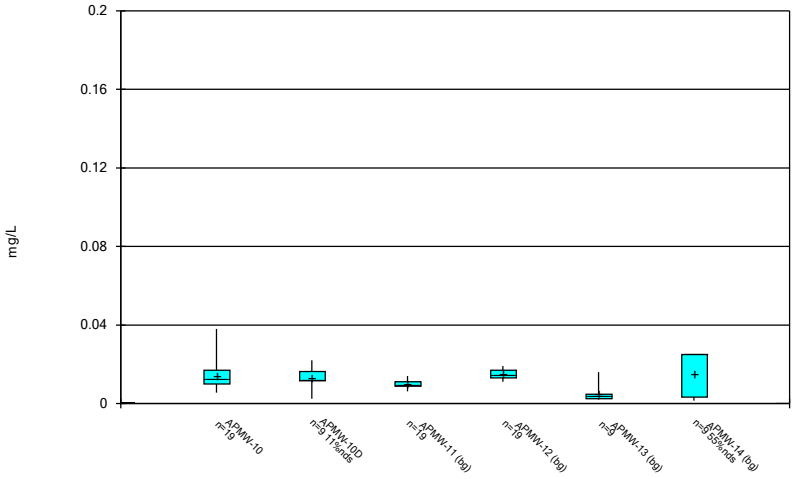
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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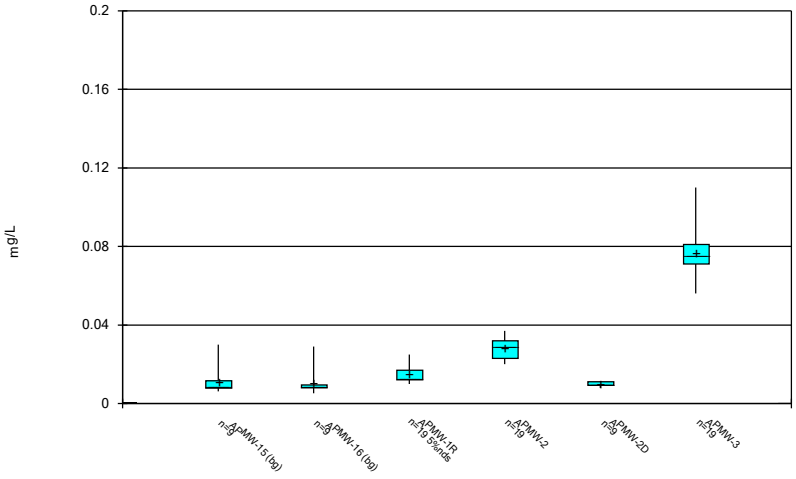
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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Plant Watson Data: Plant Watson AP CCR

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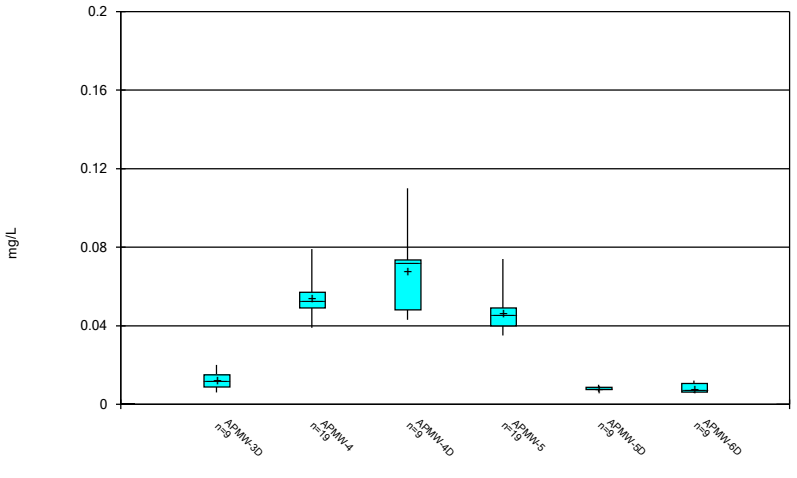
Box & Whiskers Plot



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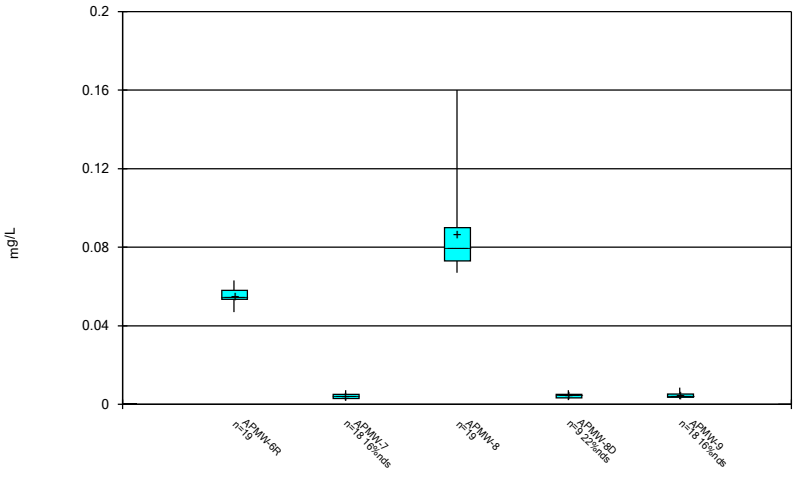
Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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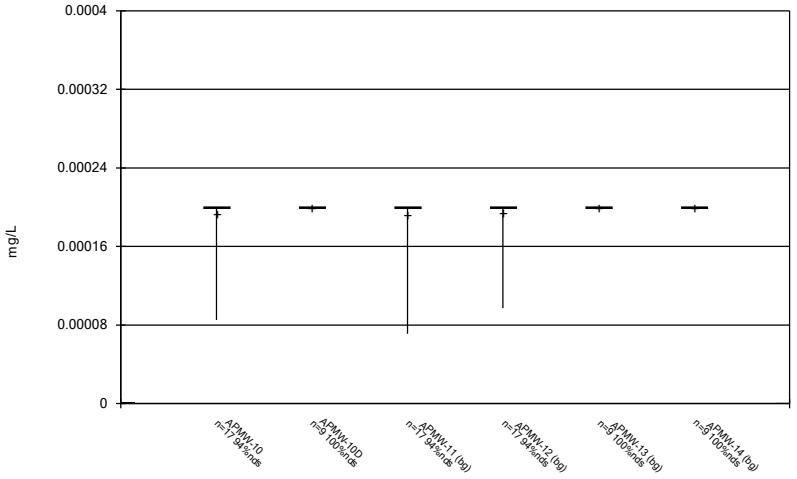
Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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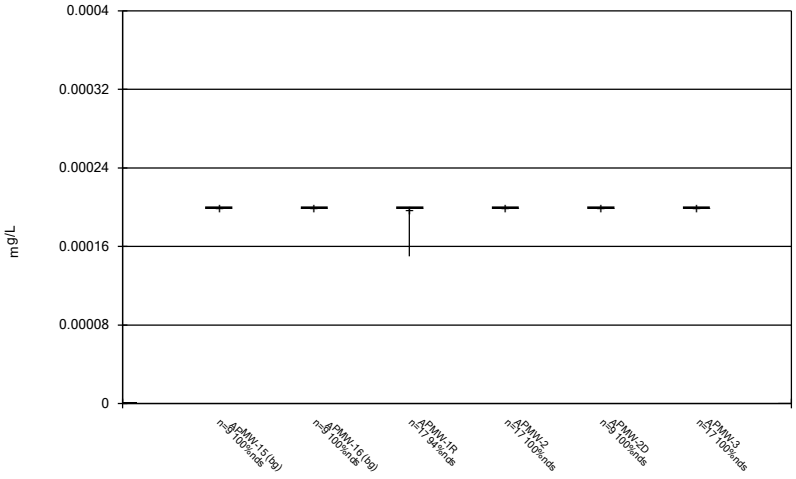
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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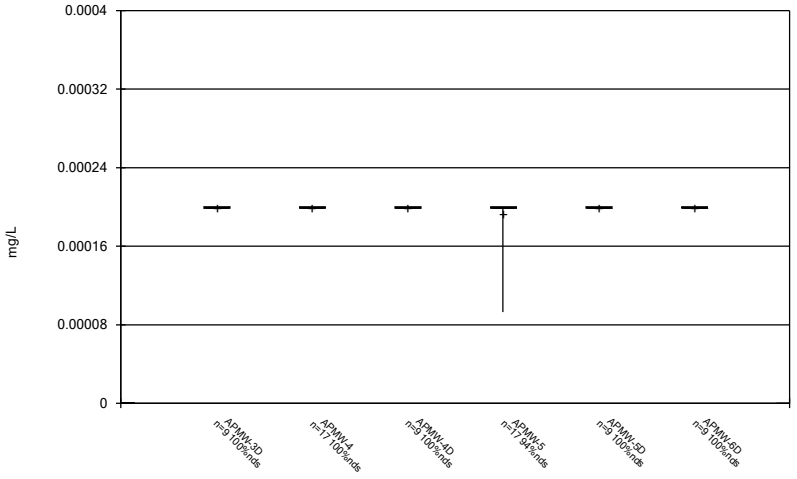
Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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Plant Watson Data: Plant Watson AP CCR

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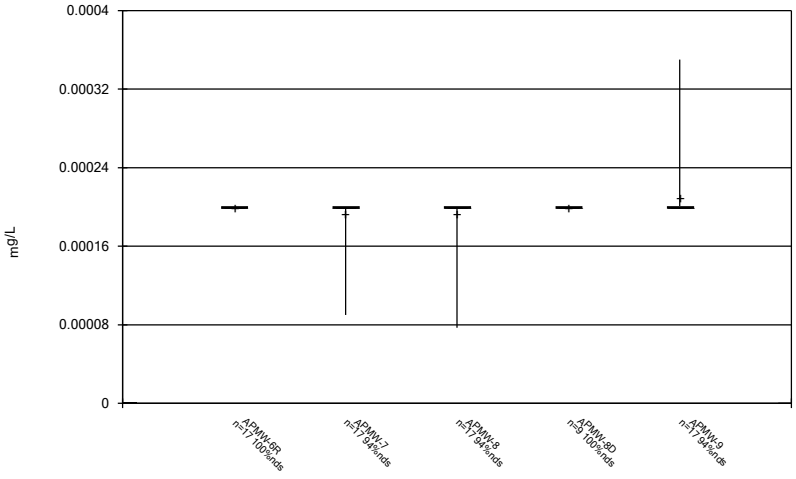
Box & Whiskers Plot



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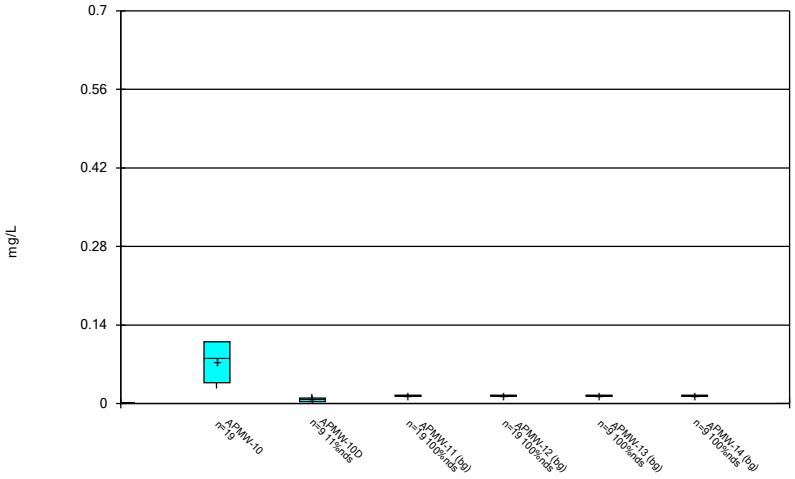
Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot

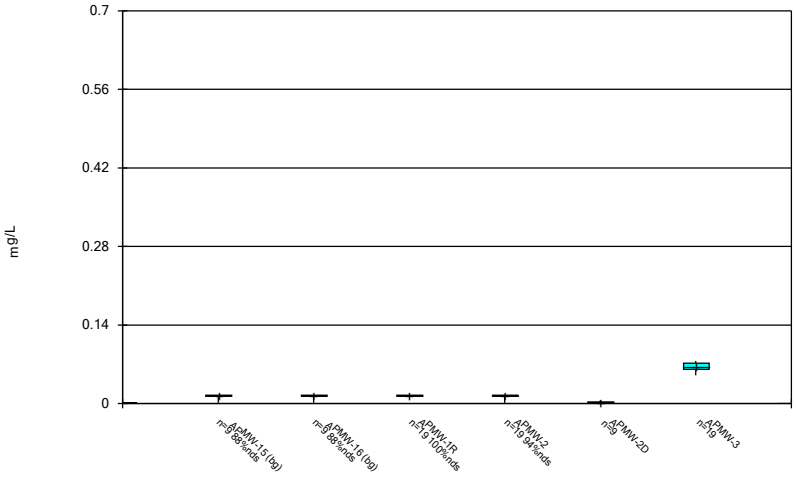


Constituent: Molybdenum Analysis Run 5/9/2024 1:16 PM

Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot

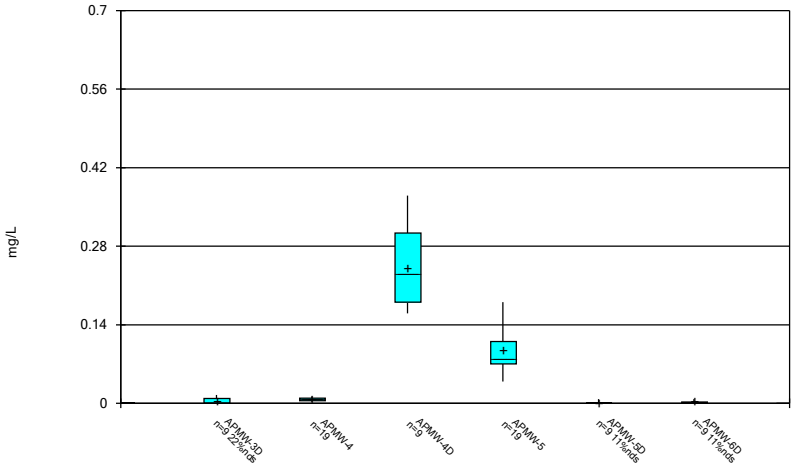


Constituent: Molybdenum Analysis Run 5/9/2024 1:16 PM

Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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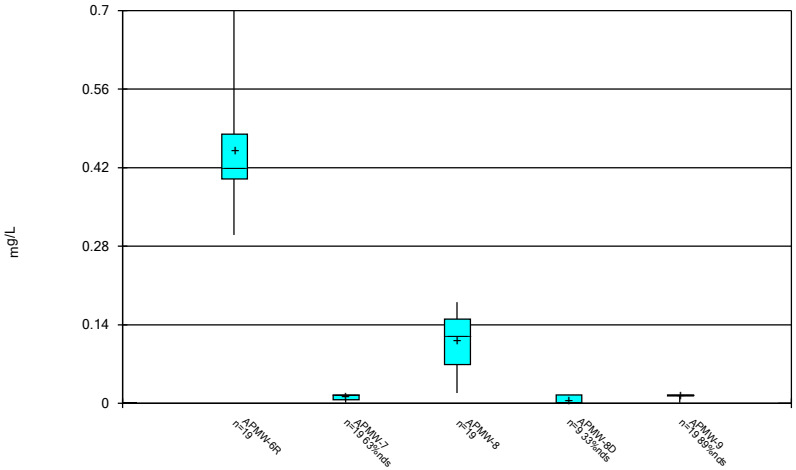
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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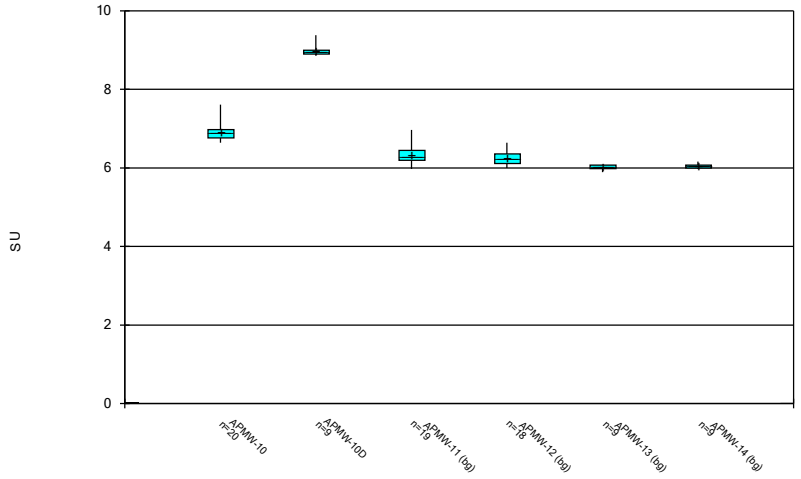
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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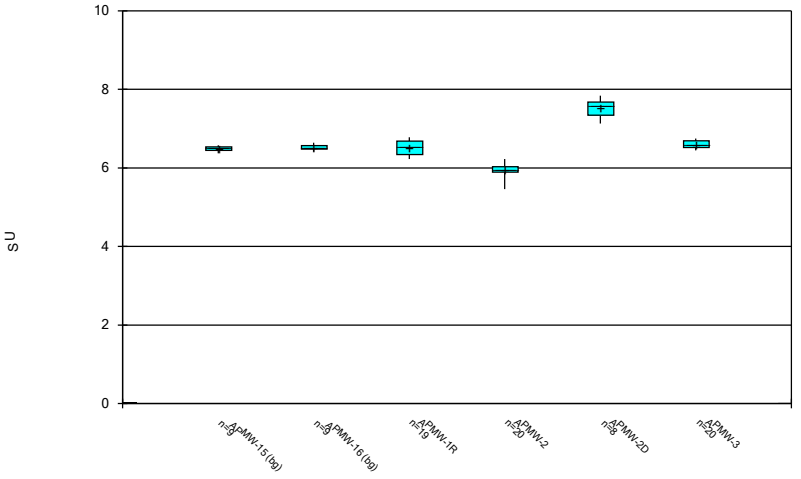
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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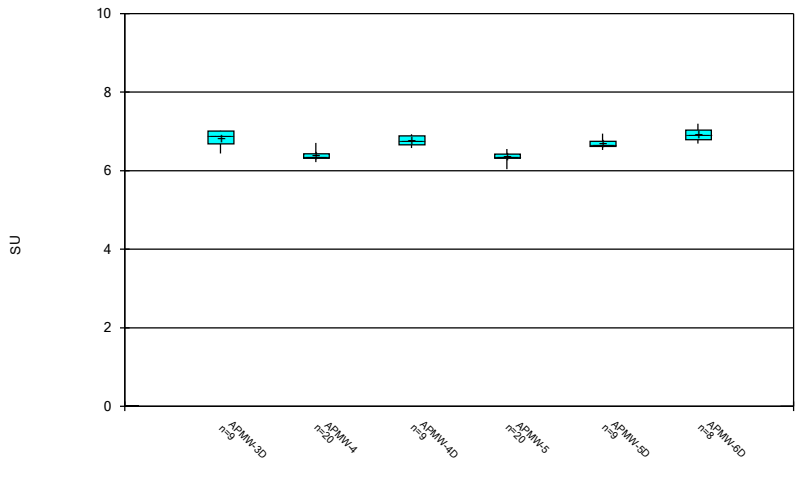
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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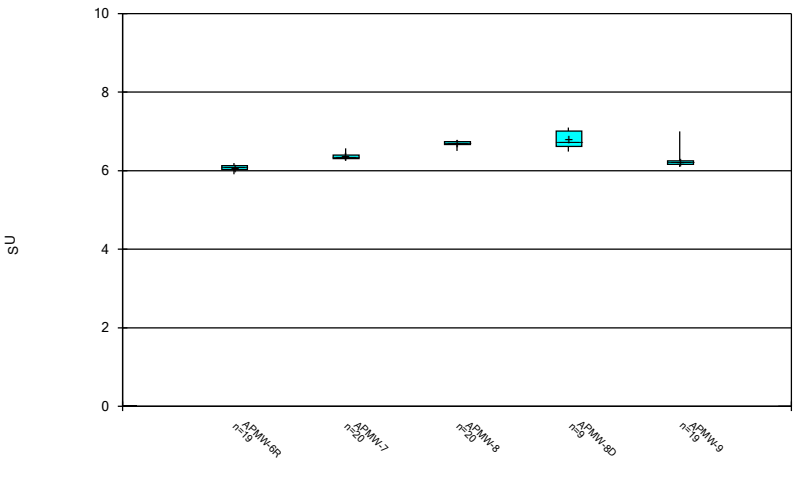
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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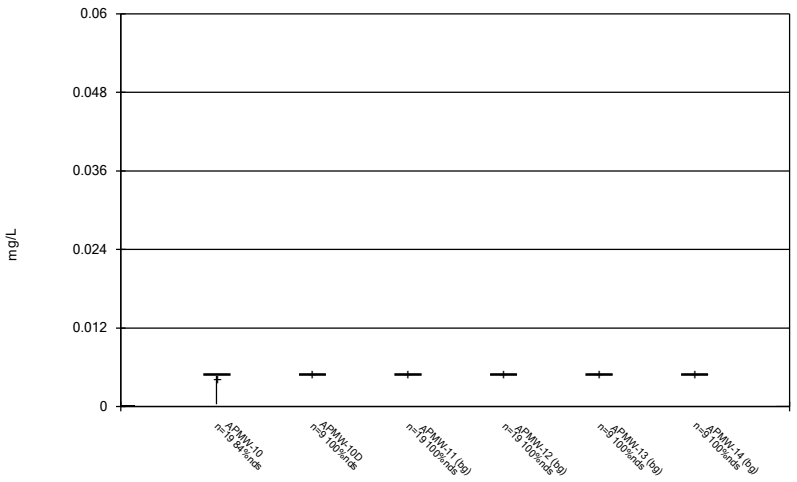
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot

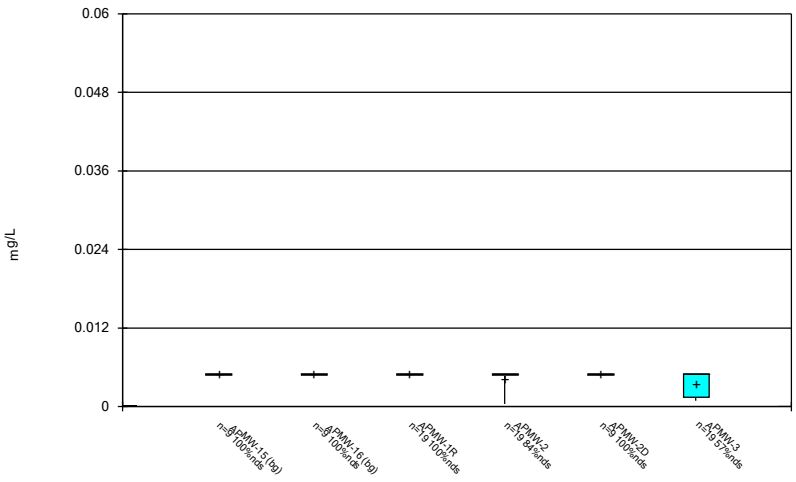


Constituent: Selenium Analysis Run 5/9/2024 1:16 PM

Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot

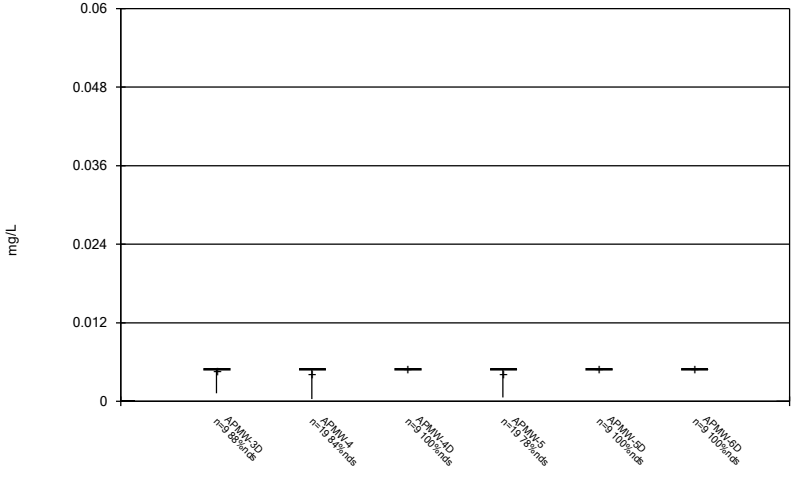


Constituent: Selenium Analysis Run 5/9/2024 1:16 PM

Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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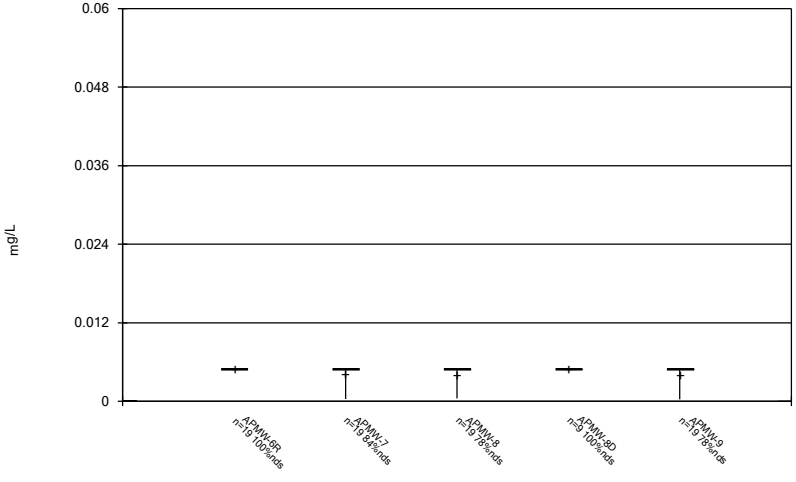
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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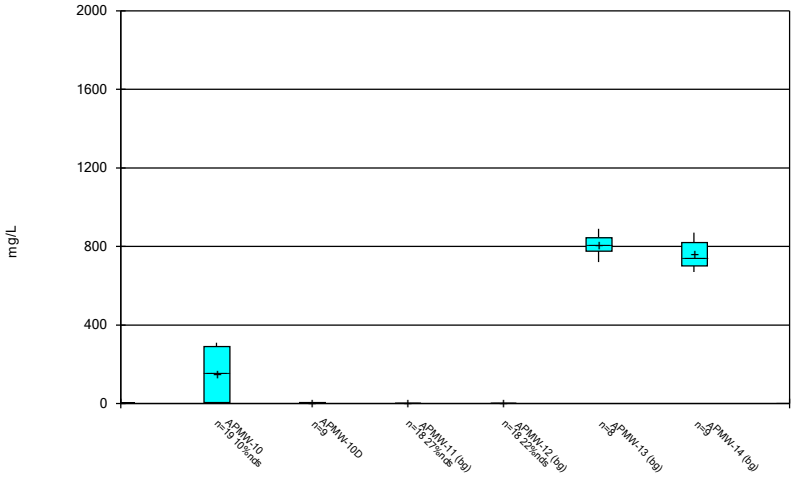
Plant Watson Data: Plant Watson AP CCR

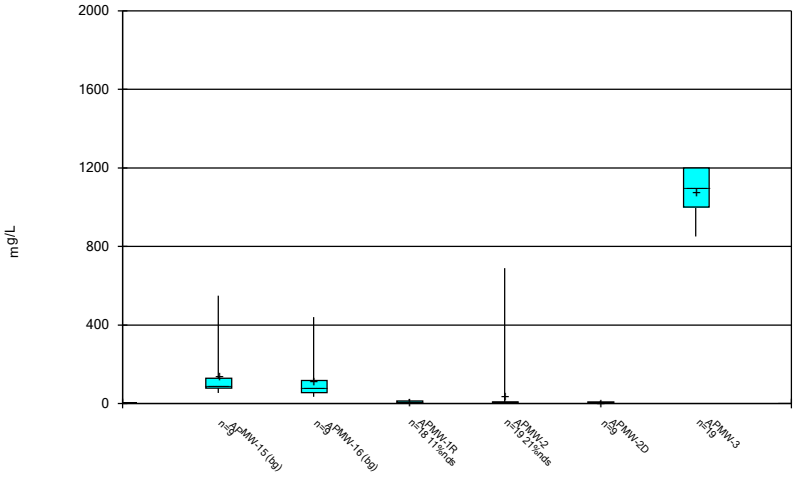
Box & Whiskers Plot



Constituent: Sulfate Analysis Run 5/9/2024 1:16 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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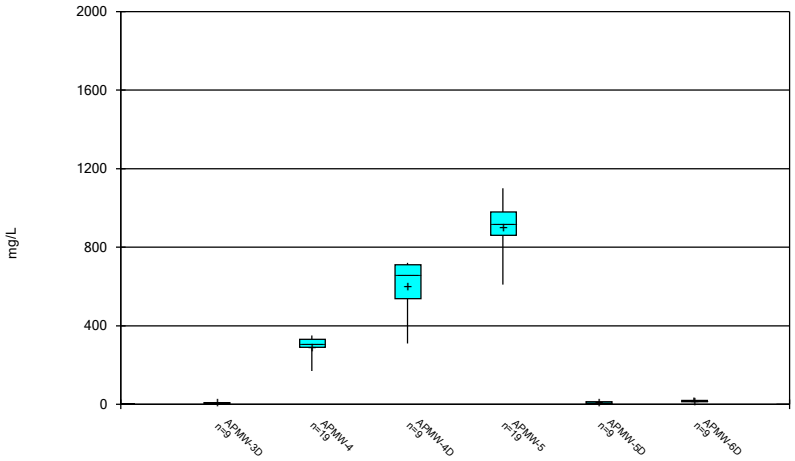
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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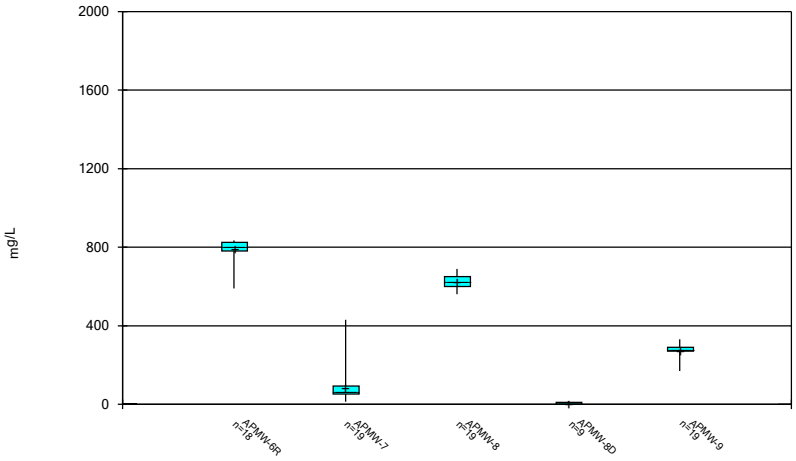
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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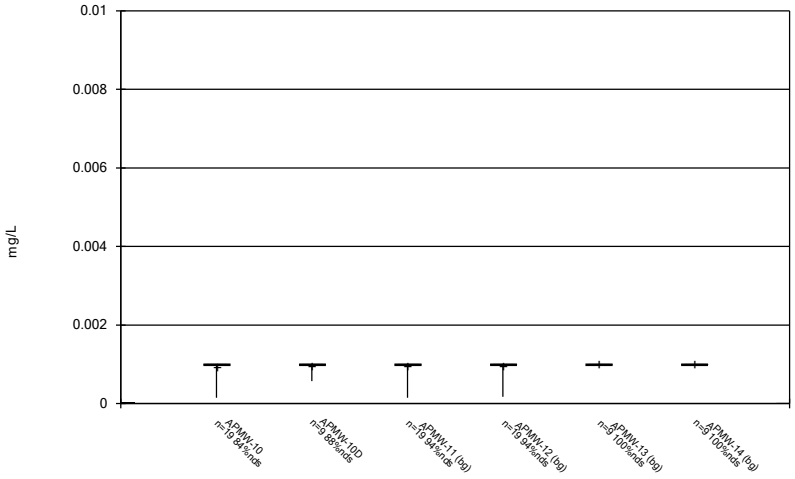
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot

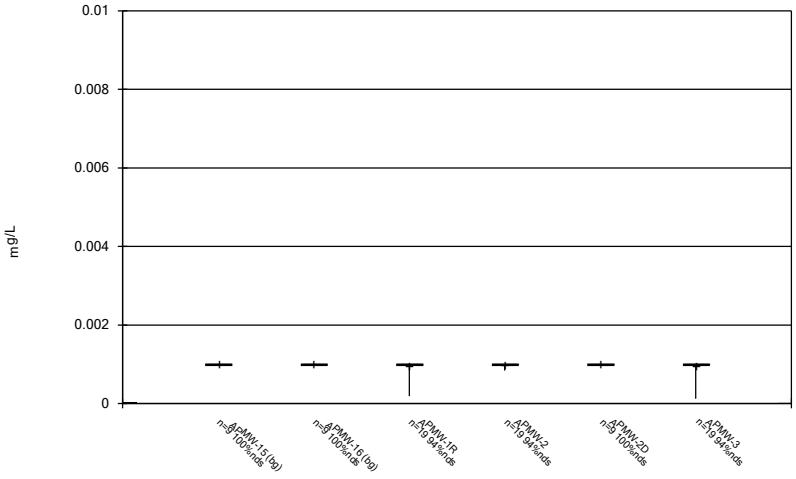


Constituent: Thallium Analysis Run 5/9/2024 1:16 PM

Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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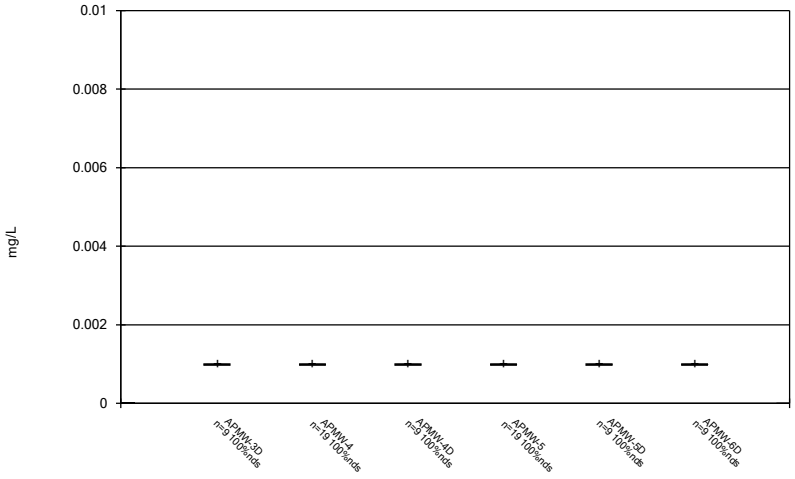
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



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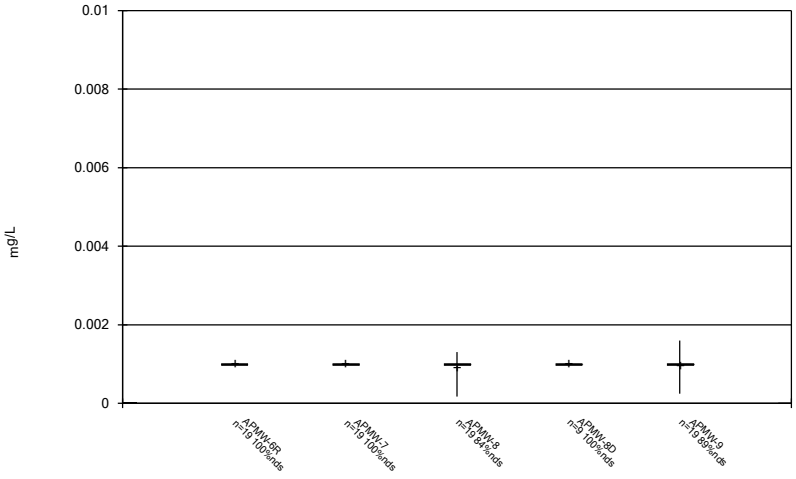
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot

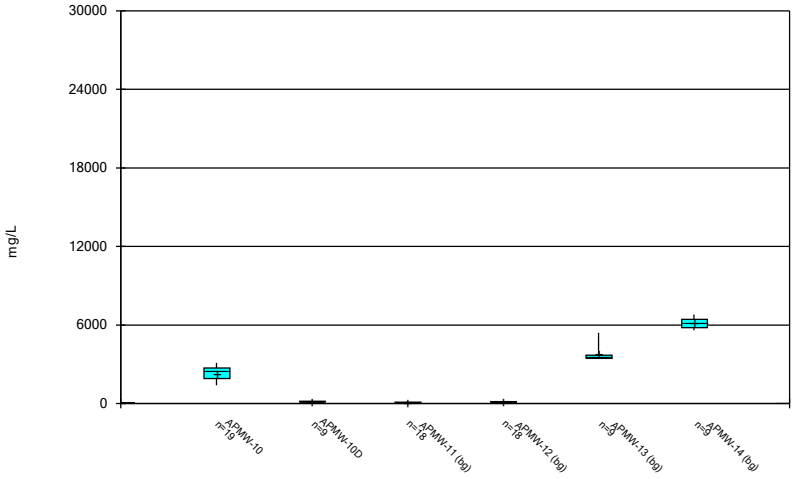


Constituent: Thallium Analysis Run 5/9/2024 1:16 PM

Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

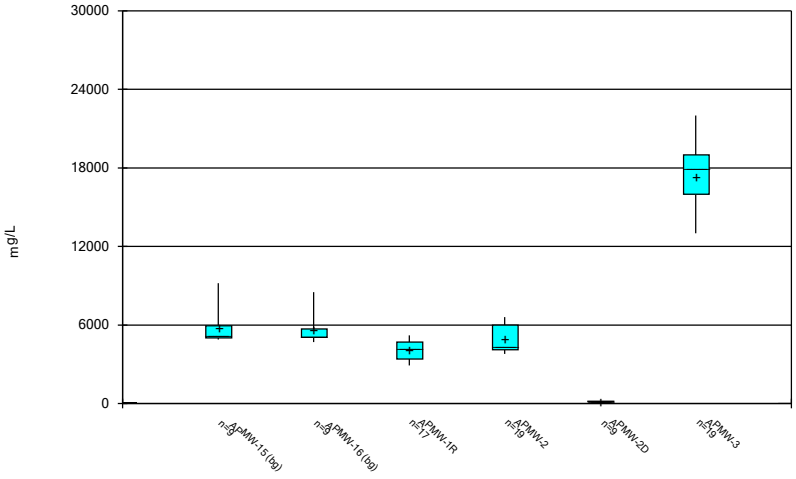
Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 5/9/2024 1:16 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

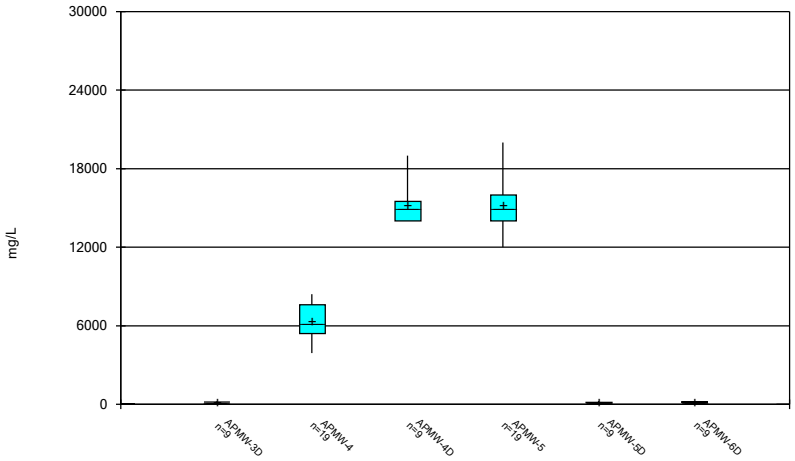
Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 5/9/2024 1:16 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

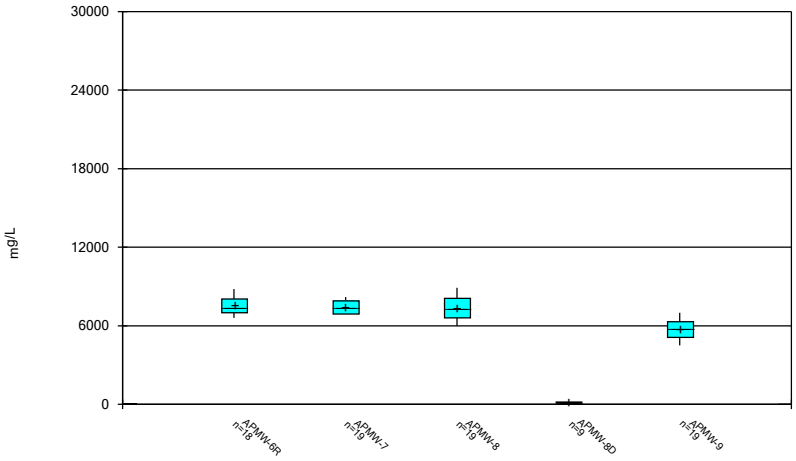
Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 5/9/2024 1:16 PM
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 5/9/2024 1:16 PM
Plant Watson Data: Plant Watson AP CCR

FIGURE C.

Outlier Summary

Plant Watson Data: Plant Watson AP CCR Printed 5/9/2024, 1:18 PM

	APMW-2 Fluoride (mg/L)	APMW-5 Fluoride (mg/L)	APMW-9 Fluoride (mg/L)	APMW-7 Lithium (mg/L)	APMW-9 Lithium (mg/L)	APMW-13 Sulfate (mg/L)
11/1/2018					0.018 (o)	
11/2/2018				0.014 (o)		
12/6/2018		1.4 (o)	0.21 (o)			
12/7/2018	4.3 (o)					
11/4/2020						1700 (o)

FIGURE D.

Appendix III - Interwell Prediction Limits - Significant Results

Plant Watson Data: Plant Watson AP CCR Printed 5/9/2024, 1:28 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	APMW-10	1.2	n/a	3/29/2024	2.4	Yes	72	n/a	n/a	20.83	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-1R	1.2	n/a	3/25/2024	6.7	Yes	72	n/a	n/a	20.83	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-2	1.2	n/a	3/25/2024	3.7	Yes	72	n/a	n/a	20.83	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-3	1.2	n/a	3/25/2024	5.5	Yes	72	n/a	n/a	20.83	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-5	1.2	n/a	3/26/2024	6.3	Yes	72	n/a	n/a	20.83	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-6R	1.2	n/a	3/26/2024	13	Yes	72	n/a	n/a	20.83	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-7	1.2	n/a	3/26/2024	1.3	Yes	72	n/a	n/a	20.83	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-8	1.2	n/a	3/28/2024	21	Yes	72	n/a	n/a	20.83	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Boron (mg/L)	APMW-9	1.2	n/a	3/28/2024	7.8	Yes	72	n/a	n/a	20.83	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-1R	130	n/a	3/25/2024	200	Yes	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-2	130	n/a	3/25/2024	360	Yes	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-3	130	n/a	3/25/2024	290	Yes	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-5	130	n/a	3/26/2024	250	Yes	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-6R	130	n/a	3/26/2024	340	Yes	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-8	130	n/a	3/28/2024	520	Yes	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Calcium (mg/L)	APMW-9	130	n/a	3/28/2024	290	Yes	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-3	5400	n/a	3/25/2024	9400	Yes	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-5	5400	n/a	3/26/2024	7100	Yes	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-10	0.54	n/a	3/29/2024	0.75	Yes	74	n/a	n/a	21.62	n/a	n/a	0.0003496	NP Inter (normality) 1 of 2
pH (SU)	APMW-10	6.737	5.829	3/29/2024	6.83	Yes	73	6.283	0.2277	0	None	No	0.0003761	Param Inter 1 of 2
pH (SU)	APMW-8	6.737	5.829	3/28/2024	6.78	Yes	73	6.283	0.2277	0	None	No	0.0003761	Param Inter 1 of 2
Sulfate (mg/L)	APMW-3	890	n/a	3/25/2024	980	Yes	71	n/a	n/a	12.68	n/a	n/a	0.0003759	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-3	9200	n/a	3/25/2024	16000	Yes	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-5	9200	n/a	3/26/2024	12000	Yes	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2

Appendix III - Interwell Prediction Limits - All Results

Plant Watson Data: Plant Watson AP CCR Printed 5/9/2024, 1:28 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	**APMW-10**	**1.2**	**n/a**	**3/29/2024**	**2.4**	**Yes**	**72**	**n/a**	**n/a**	**20.83**	**n/a**	**n/a**	**0.0003671**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**APMW-1R**	**1.2**	**n/a**	**3/25/2024**	**6.7**	**Yes**	**72**	**n/a**	**n/a**	**20.83**	**n/a**	**n/a**	**0.0003671**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**APMW-2**	**1.2**	**n/a**	**3/25/2024**	**3.7**	**Yes**	**72**	**n/a**	**n/a**	**20.83**	**n/a**	**n/a**	**0.0003671**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**APMW-3**	**1.2**	**n/a**	**3/25/2024**	**5.5**	**Yes**	**72**	**n/a**	**n/a**	**20.83**	**n/a**	**n/a**	**0.0003671**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	APMW-4	1.2	n/a	3/26/2024	0.92	No	72	n/a	n/a	20.83	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Boron (mg/L)	**APMW-5**	**1.2**	**n/a**	**3/26/2024**	**6.3**	**Yes**	**72**	**n/a**	**n/a**	**20.83**	**n/a**	**n/a**	**0.0003671**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**APMW-6R**	**1.2**	**n/a**	**3/26/2024**	**13**	**Yes**	**72**	**n/a**	**n/a**	**20.83**	**n/a**	**n/a**	**0.0003671**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**APMW-7**	**1.2**	**n/a**	**3/26/2024**	**1.3**	**Yes**	**72**	**n/a**	**n/a**	**20.83**	**n/a**	**n/a**	**0.0003671**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**APMW-8**	**1.2**	**n/a**	**3/28/2024**	**21**	**Yes**	**72**	**n/a**	**n/a**	**20.83**	**n/a**	**n/a**	**0.0003671**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**APMW-9**	**1.2**	**n/a**	**3/28/2024**	**7.8**	**Yes**	**72**	**n/a**	**n/a**	**20.83**	**n/a**	**n/a**	**0.0003671**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	APMW-10	130	n/a	3/29/2024	45	No	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Calcium (mg/L)	**APMW-1R**	**130**	**n/a**	**3/25/2024**	**200**	**Yes**	**72**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003671**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-2**	**130**	**n/a**	**3/25/2024**	**360**	**Yes**	**72**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003671**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-3**	**130**	**n/a**	**3/25/2024**	**290**	**Yes**	**72**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003671**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	APMW-4	130	n/a	3/26/2024	96	No	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Calcium (mg/L)	**APMW-5**	**130**	**n/a**	**3/26/2024**	**250**	**Yes**	**72**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003671**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-6R**	**130**	**n/a**	**3/26/2024**	**340**	**Yes**	**72**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003671**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	APMW-7	130	n/a	3/26/2024	100	No	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Calcium (mg/L)	**APMW-8**	**130**	**n/a**	**3/28/2024**	**520**	**Yes**	**72**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003671**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**APMW-9**	**130**	**n/a**	**3/28/2024**	**290**	**Yes**	**72**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003671**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	APMW-10	5400	n/a	3/29/2024	570	No	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-1R	5400	n/a	3/25/2024	2500	No	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-2	5400	n/a	3/25/2024	2500	No	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Chloride (mg/L)	**APMW-3**	**5400**	**n/a**	**3/25/2024**	**9400**	**Yes**	**72**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003671**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	APMW-4	5400	n/a	3/26/2024	2100	No	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Chloride (mg/L)	**APMW-5**	**5400**	**n/a**	**3/26/2024**	**7100**	**Yes**	**72**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003671**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	APMW-6R	5400	n/a	3/26/2024	3500	No	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-7	5400	n/a	3/26/2024	4100	No	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-8	5400	n/a	3/28/2024	3600	No	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Chloride (mg/L)	APMW-9	5400	n/a	3/28/2024	2800	No	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Fluoride (mg/L)	**APMW-10**	**0.54**	**n/a**	**3/29/2024**	**0.75**	**Yes**	**74**	**n/a**	**n/a**	**21.62**	**n/a**	**n/a**	**0.0003496**	**NP Inter (normality) 1 of 2**
Fluoride (mg/L)	APMW-1R	0.54	n/a	3/25/2024	0.16J	No	74	n/a	n/a	21.62	n/a	n/a	0.0003496	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-2	0.54	n/a	3/25/2024	0.082J	No	74	n/a	n/a	21.62	n/a	n/a	0.0003496	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-3	0.54	n/a	3/25/2024	0.39J	No	74	n/a	n/a	21.62	n/a	n/a	0.0003496	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-4	0.54	n/a	3/26/2024	0.44J	No	74	n/a	n/a	21.62	n/a	n/a	0.0003496	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-5	0.54	n/a	3/26/2024	0.28J	No	74	n/a	n/a	21.62	n/a	n/a	0.0003496	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-6R	0.54	n/a	3/26/2024	0.2ND	No	74	n/a	n/a	21.62	n/a	n/a	0.0003496	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-7	0.54	n/a	3/26/2024	0.13J	No	74	n/a	n/a	21.62	n/a	n/a	0.0003496	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-8	0.54	n/a	3/28/2024	0.97J	No	74	n/a	n/a	21.62	n/a	n/a	0.0003496	NP Inter (normality) 1 of 2
Fluoride (mg/L)	APMW-9	0.54	n/a	3/28/2024	0.13J	No	74	n/a	n/a	21.62	n/a	n/a	0.0003496	NP Inter (normality) 1 of 2
pH (SU)	**APMW-10**	**6.737**	**5.829**	**3/29/2024**	**6.83**	**Yes**	**73**	**6.283**	**0.2277**	**0**	**None**	**No**	**0.0003761**	**Param Inter 1 of 2**
pH (SU)	APMW-1R	6.737	5.829	3/25/2024	6.34	No	73	6.283	0.2277	0	None	No	0.0003761	Param Inter 1 of 2
pH (SU)	APMW-2	6.737	5.829	3/25/2024	5.86	No	73	6.283	0.2277	0	None	No	0.0003761	Param Inter 1 of 2
pH (SU)	APMW-3	6.737	5.829	3/25/2024	6.55	No	73	6.283	0.2277	0	None	No	0.0003761	Param Inter 1 of 2
pH (SU)	APMW-4	6.737	5.829	3/26/2024	6.33	No	73	6.283	0.2277	0	None	No	0.0003761	Param Inter 1 of 2
pH (SU)	APMW-5	6.737	5.829	3/26/2024	6.34	No	73	6.283	0.2277	0	None	No	0.0003761	Param Inter 1 of 2
pH (SU)	APMW-6R	6.737	5.829	3/26/2024	6.12	No	73	6.283	0.2277	0	None	No	0.0003761	Param Inter 1 of 2
pH (SU)	APMW-7	6.737	5.829	3/26/2024	6.42	No	73	6.283	0.2277	0	None	No	0.0003761	Param Inter 1 of 2
pH (SU)	**APMW-8**	**6.737**	**5.829**	**3/28/2024**	**6.78**	**Yes**	**73**	**6.283**	**0.2277**	**0**	**None**	**No**	**0.0003761**	**Param Inter 1 of 2**
pH (SU)	APMW-9	6.737	5.829	3/28/2024	6.3	No	73	6.283	0.2277	0	None	No	0.0003761	Param Inter 1 of 2
Sulfate (mg/L)	APMW-10	890	n/a	3/29/2024	0.5ND	No	71	n/a	n/a	12.68	n/a	n/a	0.0003759	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-1R	890	n/a	3/25/2024	6.3	No	71	n/a	n/a	12.68	n/a	n/a	0.0003759	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-2	890	n/a	3/25/2024	6	No	71	n/a	n/a	12.68	n/a	n/a	0.0003759	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**APMW-3**	**890**	**n/a**	**3/25/2024**	**980**	**Yes**	**71**	**n/a**	**n/a**	**12.68**	**n/a**	**n/a**	**0.0003759**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	APMW-4	890	n/a	3/26/2024	170	No	71	n/a	n/a	12.68	n/a	n/a	0.0003759	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-5	890	n/a	3/26/2024	610	No	71	n/a	n/a	12.68	n/a	n/a	0.0003759	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-6R	890	n/a	3/26/2024	770	No	71	n/a	n/a	12.68	n/a	n/a	0.0003759	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-7	890	n/a	3/26/2024	100	No	71	n/a	n/a	12.68	n/a	n/a	0.0003759	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-8	890	n/a	3/28/2024	630	No	71	n/a	n/a	12.68	n/a	n/a	0.0003759	NP Inter (normality) 1 of 2
Sulfate (mg/L)	APMW-9	890	n/a	3/28/2024	170	No	71	n/a	n/a	12.68	n/a	n/a	0.0003759	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-10	9200	n/a	3/29/2024	1400	No	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-1R	9200	n/a	3/25/2024	4600	No	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-2	9200	n/a	3/25/2024	4000	No	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**APMW-3**	**9200**	**n/a**	**3/25/2024**	**16000**	**Yes**	**72**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003671**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	APMW-4	9200	n/a	3/26/2024	3900	No	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**APMW-5**	**9200**	**n/a**	**3/26/2024**	**12000**	**Yes**	**72**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003671**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	APMW-6R	9200	n/a	3/26/2024	7300	No	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-7	9200	n/a	3/26/2024	7600	No	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2

Appendix III - Interwell Prediction Limits - All Results

Plant Watson Data: Plant Watson AP CCR Printed 5/9/2024, 1:28 PM

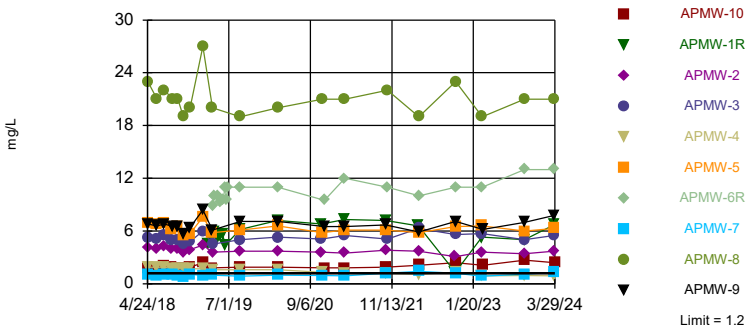
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Total Dissolved Solids (mg/L)	APMW-8	9200	n/a	3/28/2024	7600	No	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	APMW-9	9200	n/a	3/28/2024	5100	No	72	n/a	n/a	0	n/a	n/a	0.0003671	NP Inter (normality) 1 of 2

Sanitas™ v.10.0.16 . UG

Exceeds Limit: APMW-10, APMW-1R, APMW-2, APMW-3, APMW-5, APMW-6R, APMW-7, APMW-8, APMW-9

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 72 background values. 20.83% NDs. Annual per-constituent alpha = 0.007317. Individual comparison alpha = 0.0003671 (1 of 2). Comparing 10 points to limit.

Constituent: Boron Analysis Run 5/9/2024 1:22 PM View: Appendix III

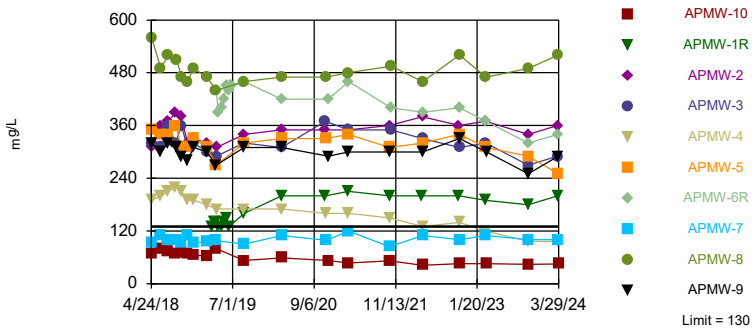
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Exceeds Limit: APMW-1R, APMW-2, APMW-3, APMW-5, APMW-6R, APMW-8, APMW-9

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 72 background values. Annual per-constituent alpha = 0.007317. Individual comparison alpha = 0.0003671 (1 of 2). Comparing 10 points to limit.

Constituent: Calcium Analysis Run 5/9/2024 1:22 PM View: Appendix III

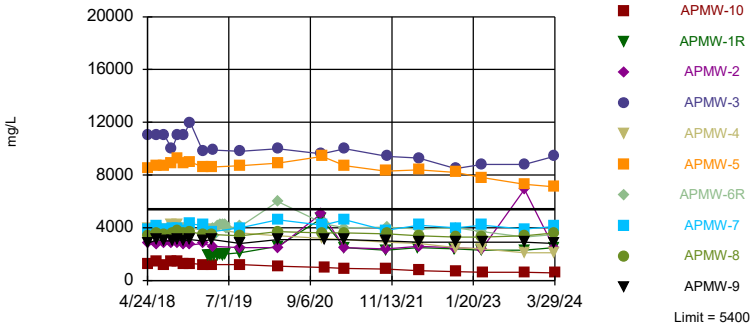
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Exceeds Limit: APMW-3, APMW-5

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 72 background values. Annual per-constituent alpha = 0.007317. Individual comparison alpha = 0.0003671 (1 of 2). Comparing 10 points to limit.

Constituent: Chloride Analysis Run 5/9/2024 1:22 PM View: Appendix III

Plant Watson Data: Plant Watson AP CCR

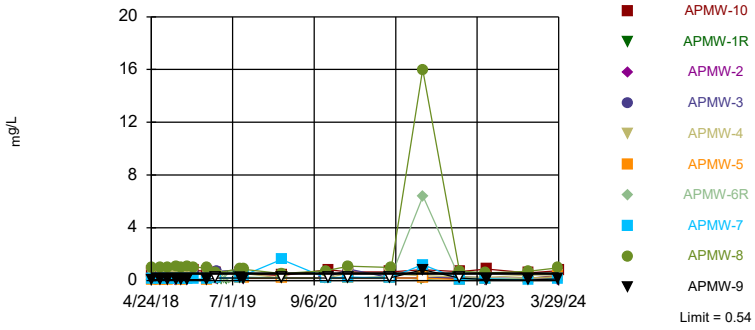
Sanitas™ v.10.0.16 . UG

Hollow symbols indicate censored values.

Exceeds Limit: APMW-10

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 74 background values. 21.62% NDs. Annual per-constituent alpha = 0.006969. Individual comparison alpha = 0.0003496 (1 of 2). Comparing 10 points to limit.

Constituent: Fluoride Analysis Run 5/9/2024 1:23 PM View: Appendix III

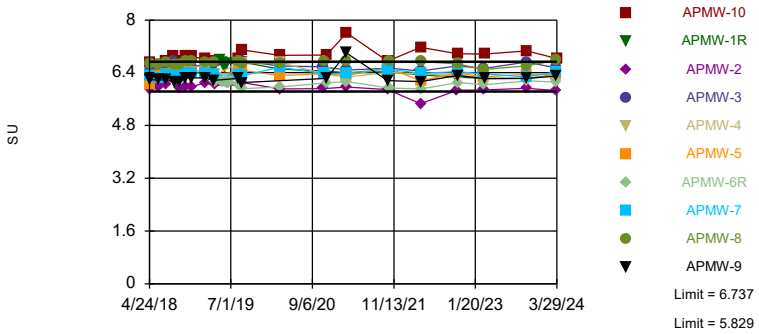
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Exceeds Limits: APMW-10, APMW-8

Prediction Limit

Interwell Parametric



Background Data Summary: Mean=6.283, Std. Dev.=0.2277, n=73. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9569, critical = 0.956. Kappa = 1.992 (c=7, w=10, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0003761. Comparing 10 points to limit.

Constituent: pH Analysis Run 5/9/2024 1:23 PM View: Appendix III

Plant Watson Data: Plant Watson AP CCR

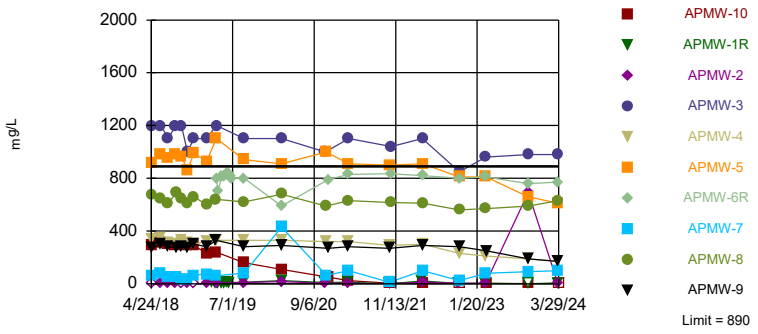
Sanitas™ v.10.0.16 . UG

Hollow symbols indicate censored values.

Exceeds Limit: APMW-3

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 71 background values. 12.68% NDs. Annual per-constituent alpha = 0.007491. Individual comparison alpha = 0.0003759 (1 of 2). Comparing 10 points to limit.

Constituent: Sulfate Analysis Run 5/9/2024 1:23 PM View: Appendix III

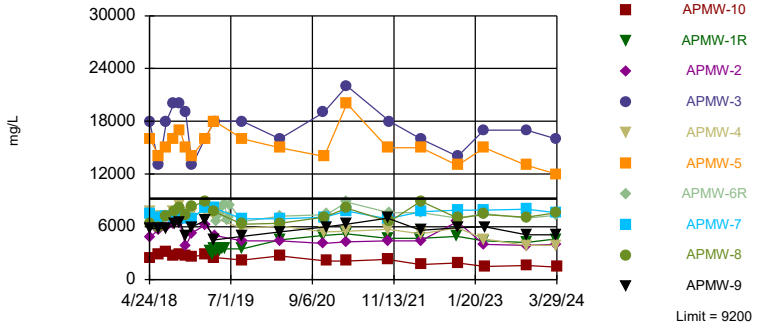
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Exceeds Limit: APMW-3, APMW-5

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 72 background values. Annual per-constituent alpha = 0.007317. Individual comparison alpha = 0.0003671 (1 of 2). Comparing 10 points to limit.

Constituent: Total Dissolved Solids Analysis Run 5/9/2024 1:23 PM View: Appendix III

Plant Watson Data: Plant Watson AP CCR

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/9/2024 1:28 PM View: Appendix III

Plant Watson Data: Plant Watson AP CCR

	APMW-4	APMW-3	APMW-2	APMW-10	APMW-9	APMW-8	APMW-7	APMW-5	APMW-11 (bg)
4/24/2018	1.9	5.3	4.1						
4/25/2018				1.7	6.8	23	1	6.9	
6/13/2018				1.7	6.6				
6/14/2018	1.9	5.1	4			21	0.91	6.8	
7/23/2018				2	6.8	22			
7/24/2018	1.9	5.5	4.3				1	6.9	
9/1/2018	1.7	4.9	4	1.9				6.2	
9/6/2018					6.5	21	1.1		
10/1/2018	1.7	5	4						
10/2/2018				1.8	6.5	21	0.95	6.5	
11/1/2018				1.8	5.6	19			
11/2/2018	1.7	4.6	3.5				0.82	5.5	
12/6/2018	1.7			1.9	6.4	20	1.1	5.7	
12/7/2018		4.8	3.9						
2/13/2019	1.7	6	4.4	2.4	8.4	27	0.95	7.6	
3/16/2019									0.028 (J)
3/27/2019									0.027 (JD)
4/3/2019									0.089 (D)
4/4/2019				1.8	6.1	20	0.98	5.8	
4/5/2019	1.6	4.5	3.6						
4/15/2019									
4/16/2019									<0.08
5/2/2019									
5/3/2019									<0.08
5/14/2019									<0.08
5/28/2019									
5/29/2019									0.034 (J)
6/12/2019									0.05 (J)
6/19/2019									
6/25/2019									
8/29/2019									<0.08
8/30/2019	1.6	5	3.7	1.9	7.1	19	0.88	6.1	
3/16/2020	1.6	5.3	3.7						
3/17/2020				1.9	7.1	20	0.98	6.6	0.057 (J)
7/21/2020									
7/30/2020									
11/3/2020									
11/4/2020									
11/5/2020		5.1	3.6						
11/9/2020	1.3					21		5.8	<0.08
11/10/2020							0.94		
11/20/2020				1.8	6.5				
3/8/2021			3.5	1.8	6.5				
3/9/2021	1.2	5.5				21	0.91	6.1	
3/10/2021									<0.08
10/11/2021									0.053 (J)
10/12/2021			3.8	1.9	6.7		1.2	6.1	
10/14/2021	1.2								
10/15/2021									
10/20/2021									
10/21/2021		5.1				22			
4/4/2022									0.11

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/9/2024 1:28 PM View: Appendix III

Plant Watson Data: Plant Watson AP CCR

	APMW-4	APMW-3	APMW-2	APMW-10	APMW-9	APMW-8	APMW-7	APMW-5	APMW-11 (bg)
4/5/2022		6.3	3.7	2.1					
4/6/2022	1.1				5.9	19	1.4	5.8	
4/7/2022									
10/17/2022			3.1						<0.08
10/18/2022		5.6		2.4	7.1	23	1.2		
10/19/2022	1.3							6.5	
3/7/2023									<0.08
3/8/2023	0.89	5.7	3.6						
3/9/2023						19	0.87	6.6	
3/10/2023									
3/13/2023				2.1	6.2				
3/14/2023									
10/18/2023									
10/19/2023	0.93	5	3.4						
10/20/2023					7	21	1.1	6	
10/21/2023				2.7					0.056 (J)
3/25/2024		5.5	3.7						
3/26/2024	0.92						1.3	6.3	
3/28/2024					7.8	21			
3/29/2024				2.4					<0.08

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/9/2024 1:28 PM View: Appendix III

Plant Watson Data: Plant Watson AP CCR

	APMW-1R	APMW-12 (bg)	APMW-6R	APMW-13 (bg)	APMW-14 (bg)	APMW-15 (bg)	APMW-16 (bg)
4/24/2018							
4/25/2018							
6/13/2018							
6/14/2018							
7/23/2018							
7/24/2018							
9/1/2018							
9/6/2018							
10/1/2018							
10/2/2018							
11/1/2018							
11/2/2018							
12/6/2018							
12/7/2018							
2/13/2019							
3/16/2019	4.5	0.035 (J)					
3/27/2019	5.2	0.033 (JD)					
4/3/2019	5.3	0.023 (JD)					
4/4/2019							
4/5/2019			8.9 (D)				
4/15/2019	5.9		10				
4/16/2019		<0.08					
5/2/2019	5.3		10				
5/3/2019		0.021 (J)					
5/14/2019	5.5	<0.08	9.3				
5/28/2019	5.7						
5/29/2019		0.044 (J)	9.5				
6/12/2019	4.4	0.047 (J)	11				
6/19/2019			9.5				
6/25/2019			11				
8/29/2019		<0.08					
8/30/2019	6.2		11				
3/16/2020	7.2						
3/17/2020		0.057 (J)	11				
7/21/2020				0.58	0.718	0.609	
7/30/2020							0.62
11/3/2020						1.2	
11/4/2020	6.8			0.88	0.85		1.2
11/5/2020							
11/9/2020							
11/10/2020							
11/20/2020		0.098	9.5				
3/8/2021	7.3			0.63	0.71	0.59	0.6
3/9/2021			12				
3/10/2021		0.046 (J)					
10/11/2021		0.045 (J)					
10/12/2021	7.2						
10/14/2021							
10/15/2021					0.78		0.77
10/20/2021			11	0.64		0.65	
10/21/2021							
4/4/2022	6.6	0.082					

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/9/2024 1:28 PM View: Appendix III

Plant Watson Data: Plant Watson AP CCR

	APMW-1R	APMW-12 (bg)	APMW-6R	APMW-13 (bg)	APMW-14 (bg)	APMW-15 (bg)	APMW-16 (bg)
4/5/2022							
4/6/2022							
4/7/2022			10	0.61	0.71	0.61	0.58
10/17/2022	1.3	<0.08					
10/18/2022							
10/19/2022			11	0.66	0.75	0.73	0.71
3/7/2023							
3/8/2023	5.3						
3/9/2023			11				
3/10/2023				0.66	0.69	0.66	0.67
3/13/2023							
3/14/2023		<0.08					
10/18/2023				0.62	0.77	0.72	0.71
10/19/2023	5						
10/20/2023			13				
10/21/2023		0.047 (J)					
3/25/2024	6.7						
3/26/2024			13				
3/28/2024					0.84	0.86	1
3/29/2024		<0.08		0.54			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/9/2024 1:28 PM View: Appendix III

Plant Watson Data: Plant Watson AP CCR

	APMW-4	APMW-3	APMW-2	APMW-10	APMW-9	APMW-8	APMW-7	APMW-5	APMW-11 (bg)
4/24/2018	190	320	310						
4/25/2018				68	320	560	93	350	
6/13/2018				79	300				
6/14/2018	200	310	360			490	110	340	
7/23/2018				73	320	520			
7/24/2018	210	360	370				100	340	
9/1/2018	220	320	390	68				360	
9/6/2018					310	510	98		
10/1/2018	210	360	380						
10/2/2018				71	290	470	93	310	
11/1/2018				67	280	460			
11/2/2018	190	310	320				110	310	
12/6/2018	190			65	310	490	94	330	
12/7/2018		320	330						
2/13/2019	180	300	320	64	300	470	95	310	
3/16/2019									17
3/27/2019									16 (D)
4/3/2019									15 (D)
4/4/2019				80	270	440	98	270	
4/5/2019	170	290	310						
4/15/2019									
4/16/2019									13
5/2/2019									
5/3/2019									12
5/14/2019									14
5/28/2019									
5/29/2019									7
6/12/2019									13
6/19/2019									
6/25/2019									
8/29/2019									9.4
8/30/2019	170	320	340	53	310	460	90	320	
3/16/2020	170	310	350						
3/17/2020				59	310	470	110	330	9.8
7/21/2020									
7/30/2020									
11/3/2020									
11/4/2020									
11/5/2020		370	350						
11/9/2020	160					470		330	11
11/10/2020							99		
11/20/2020				53	290				
3/8/2021			350	47	300				
3/9/2021	160	350				480	120	340	
3/10/2021									12
10/11/2021									11
10/12/2021			360	52	300		84	310	
10/14/2021	150								
10/15/2021									
10/20/2021									
10/21/2021		350 (D)				495 (D)			
4/4/2022									11

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/9/2024 1:28 PM View: Appendix III

Plant Watson Data: Plant Watson AP CCR

	APMW-4	APMW-3	APMW-2	APMW-10	APMW-9	APMW-8	APMW-7	APMW-5	APMW-11 (bg)
4/5/2022		330	380	42					
4/6/2022	130				300	460	110	320	
4/7/2022									
10/17/2022			360						9.5
10/18/2022		310		46	330	520	100		
10/19/2022	140							340	
3/7/2023									9.7
3/8/2023	120	320	370						
3/9/2023						470	110	310	
3/10/2023									
3/13/2023				46	300				
3/14/2023									
10/18/2023									
10/19/2023	97	270	340						
10/20/2023					250	490	100	290	
10/21/2023				44					10
3/25/2024		290	360						
3/26/2024	96						100	250	
3/28/2024					290	520			
3/29/2024				45					13

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/9/2024 1:28 PM View: Appendix III

Plant Watson Data: Plant Watson AP CCR

	APMW-1R	APMW-12 (bg)	APMW-6R	APMW-13 (bg)	APMW-14 (bg)	APMW-15 (bg)	APMW-16 (bg)
4/24/2018							
4/25/2018							
6/13/2018							
6/14/2018							
7/23/2018							
7/24/2018							
9/1/2018							
9/6/2018							
10/1/2018							
10/2/2018							
11/1/2018							
11/2/2018							
12/6/2018							
12/7/2018							
2/13/2019							
3/16/2019	130	13					
3/27/2019	140	15 (D)					
4/3/2019	140	13 (D)					
4/4/2019							
4/5/2019			440 (D)				
4/15/2019	130		390				
4/16/2019		12					
5/2/2019	130		400				
5/3/2019		13					
5/14/2019	140	13	420				
5/28/2019	150						
5/29/2019		15	450				
6/12/2019	130	14	440				
6/19/2019			450				
6/25/2019			450				
8/29/2019		12					
8/30/2019	160		460				
3/16/2020	200						
3/17/2020		12	420				
7/21/2020				97.7	127	81.7	
7/30/2020							99.2
11/3/2020						120	
11/4/2020	200			110	120		130
11/5/2020							
11/9/2020							
11/10/2020							
11/20/2020		12	420				
3/8/2021	210			92	110	69	69
3/9/2021			460				
3/10/2021		12					
10/11/2021		12					
10/12/2021	200						
10/14/2021							
10/15/2021					110		75
10/20/2021			400 (D)	97		68 (D)	
10/21/2021							
4/4/2022	200	12					

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/9/2024 1:28 PM View: Appendix III

Plant Watson Data: Plant Watson AP CCR

	APMW-1R	APMW-12 (bg)	APMW-6R	APMW-13 (bg)	APMW-14 (bg)	APMW-15 (bg)	APMW-16 (bg)
4/5/2022							
4/6/2022							
4/7/2022			390	96	110	64	67
10/17/2022	200	10					
10/18/2022							
10/19/2022			400	100	110	65	82
3/7/2023							
3/8/2023	190						
3/9/2023			370				
3/10/2023				91	110	60	57
3/13/2023							
3/14/2023		12					
10/18/2023				87	130	61	73
10/19/2023	180						
10/20/2023			320				
10/21/2023		12					
3/25/2024	200						
3/26/2024			340				
3/28/2024					130	58	75
3/29/2024		13		100			

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/9/2024 1:28 PM View: Appendix III

Plant Watson Data: Plant Watson AP CCR

	APMW-4	APMW-3	APMW-2	APMW-10	APMW-9	APMW-8	APMW-7	APMW-5	APMW-11 (bg)
4/24/2018	4000	11000	2800						
4/25/2018				1300	2800	3400	3900	8500	
6/13/2018				1400	3100				
6/14/2018	4000	11000	2700			3600	4100	8700	
7/23/2018				1200	3000	3500			
7/24/2018	3900	11000	2800				3900	8700	
9/1/2018	4200	10000	2800	1400				8900	
9/6/2018					3000	3600	4000		
10/1/2018	4200	11000	2800						
10/2/2018				1400	3100	3800	4000	9300	
11/1/2018				1300	3000	3600			
11/2/2018	4000	11000	2700				3800	8900	
12/6/2018	4000			1300	3100	3700	4300	9000	
12/7/2018		12000	2700						
2/13/2019	3800	9800	2800	1200	3000	3500	4200	8600	
3/16/2019									9.3
3/27/2019									8.2 (D)
4/3/2019									8.7 (D)
4/4/2019				1200	3100	3500	3700	8600	
4/5/2019	3900	9900	2600						
4/15/2019									
4/16/2019									8.7
5/2/2019									
5/3/2019									9.3
5/14/2019									8.8
5/28/2019									
5/29/2019									8.8
6/12/2019									8.8
6/19/2019									
6/25/2019									
8/29/2019									8.1
8/30/2019	3600	9800	2500	1200	2800	3400	4000	8700	
3/16/2020	3400	10000	2500						
3/17/2020				1100	3100	3700	4600	8900	8.2
7/21/2020									
7/30/2020									
11/3/2020									
11/4/2020									
11/5/2020		9600	5100						
11/9/2020	3200					3600		9400	9.1
11/10/2020							4200		
11/20/2020				1000	3100				
3/8/2021			2500	920	3100				
3/9/2021	3100	10000				3600	4600	8700	
3/10/2021									8.9
10/11/2021									8.9
10/12/2021			2400	860	3000		3800	8300	
10/14/2021	2900								
10/15/2021									
10/20/2021									
10/21/2021		9400 (D)				3550 (D)			
4/4/2022									8.4

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/9/2024 1:28 PM View: Appendix III

Plant Watson Data: Plant Watson AP CCR

	APMW-4	APMW-3	APMW-2	APMW-10	APMW-9	APMW-8	APMW-7	APMW-5	APMW-11 (bg)
4/5/2022		9300	2600	760					
4/6/2022	2800				2900	3400	4200	8400	
4/7/2022									
10/17/2022			2500						7.5
10/18/2022		8500		680	2900	3300	4000		
10/19/2022	2500							8200	
3/7/2023									7.7
3/8/2023	2400	8800	2400						
3/9/2023						3300	4200	7800	
3/10/2023									
3/13/2023				620	2900				
3/14/2023									
10/18/2023									
10/19/2023	2100	8800	6900						
10/20/2023					2900	3400	3900	7300	
10/21/2023				630					9
3/25/2024		9400	2500						
3/26/2024	2100						4100	7100	
3/28/2024					2800	3600			
3/29/2024				570					8.7

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/9/2024 1:28 PM View: Appendix III

Plant Watson Data: Plant Watson AP CCR

	APMW-1R	APMW-12 (bg)	APMW-6R	APMW-13 (bg)	APMW-14 (bg)	APMW-15 (bg)	APMW-16 (bg)
4/24/2018							
4/25/2018							
6/13/2018							
6/14/2018							
7/23/2018							
7/24/2018							
9/1/2018							
9/6/2018							
10/1/2018							
10/2/2018							
11/1/2018							
11/2/2018							
12/6/2018							
12/7/2018							
2/13/2019							
3/16/2019	1900	14					
3/27/2019	1900	15 (D)					
4/3/2019	1900	15 (D)					
4/4/2019							
4/5/2019			4000 (D)				
4/15/2019	1900		3400				
4/16/2019		14					
5/2/2019	1900		4100				
5/3/2019		15					
5/14/2019	2000	15	4200				
5/28/2019	1900						
5/29/2019		14	4200				
6/12/2019	2000	15	4200				
6/19/2019			4000				
6/25/2019			4000				
8/29/2019		14					
8/30/2019	2100		4100				
3/16/2020	2600						
3/17/2020		14	6000				
7/21/2020				1470	2920	2910	
7/30/2020							2830
11/3/2020						4900	
11/4/2020	4700			5400	3100		4700
11/5/2020							
11/9/2020							
11/10/2020							
11/20/2020		16	4300				
3/8/2021	2500			1600	3000	2900	2600
3/9/2021			4000				
3/10/2021		15					
10/11/2021		15					
10/12/2021	2300						
10/14/2021							
10/15/2021					2800		3100
10/20/2021			4050 (D)	3400		4100 (D)	
10/21/2021							
4/4/2022	2500	14					

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/9/2024 1:28 PM View: Appendix III

Plant Watson Data: Plant Watson AP CCR

	APMW-1R	APMW-12 (bg)	APMW-6R	APMW-13 (bg)	APMW-14 (bg)	APMW-15 (bg)	APMW-16 (bg)
4/5/2022							
4/6/2022							
4/7/2022			3900	1400	2900	3000	3100
10/17/2022	2400	13					
10/18/2022							
10/19/2022			4000	1400	2900	2700	3000
3/7/2023							
3/8/2023	2300						
3/9/2023			3700				
3/10/2023				1300	2700	2800	2600
3/13/2023							
3/14/2023		14					
10/18/2023				1300	3200	2900	3200
10/19/2023	2300						
10/20/2023			3300				
10/21/2023		13					
3/25/2024	2500						
3/26/2024			3500				
3/28/2024					3000	2800	2900
3/29/2024		13		1400			

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/9/2024 1:28 PM View: Appendix III

Plant Watson Data: Plant Watson AP CCR

	APMW-2	APMW-3	APMW-4	APMW-5	APMW-8	APMW-7	APMW-10	APMW-9	APMW-11 (bg)
4/24/2018	0.06 (J)	0.33	0.52						
4/25/2018				0.09 (J)	1	0.11	0.69	0.06 (J)	
6/13/2018							0.64	0.06 (J)	
6/14/2018	0.06 (J)	0.37	0.51	0.09 (J)	1	0.12			
7/23/2018					1		0.76	0.06 (J)	
7/24/2018	0.07 (J)	0.42	0.52	0.09 (J)		0.12			
9/1/2018	0.08 (J)	0.45	0.54	0.1			0.81		
9/6/2018					1.1	0.13		0.06 (J)	
10/1/2018	0.07 (J)	0.39	0.54						
10/2/2018				0.09 (J)	1	0.13	0.78	0.07 (J)	
11/1/2018					1.1		0.88	0.07 (J)	
11/2/2018	0.08 (J)	0.42	0.58	0.11		0.14			
12/6/2018			0.51	1.4 (o)	0.98	0.13	0.75	0.21 (o)	
12/7/2018	4.3 (o)	0.64							
2/13/2019	0.05 (J)	0.35	0.48	0.07 (J)	0.98	0.1	0.72	0.07 (J)	
3/16/2019									0.047 (J)
3/27/2019									<0.2 (D)
4/3/2019									<0.2 (D)
4/4/2019				<0.2	0.58 (J)	<0.2	0.63	<0.2	
4/5/2019	0.14 (J)	0.7 (J)	0.31 (J)						
4/15/2019									
4/16/2019									0.034 (J)
5/2/2019									
5/3/2019									0.042 (J)
5/14/2019									0.039 (J)
5/28/2019									
5/29/2019									<0.2
6/12/2019									<0.2
6/19/2019									
6/25/2019									
8/8/2019	0.19 (J)	0.8 (J)					0.58	0.2 (J)	0.051 (J)
8/9/2019			0.51	<0.2	0.9 (J)	0.22 (J)			
8/29/2019									0.061 (J)
8/30/2019	0.17 (J)	<0.2	0.54 (J)	<0.2	0.85 (J)	0.41 (J)	0.5	0.18 (J)	
3/16/2020	<0.2	<0.2	<0.2						
3/17/2020				<0.2	0.52 (J)	1.6	0.38	<0.2	<0.2
7/21/2020									
7/30/2020									
11/3/2020									
11/4/2020									
11/5/2020	<0.2	<0.2							
11/9/2020			<0.2	<0.2	0.74 (J)				<0.2
11/10/2020						<0.2			
11/20/2020							0.81	<0.2	
3/8/2021	<0.2						0.66	<0.2	
3/9/2021		0.87 (J)	0.55 (J)	<0.2	1.1 (J)	0.26 (J)			
3/10/2021									0.056 (J)
10/11/2021									0.041 (J)
10/12/2021	0.22 (J)			<0.2		<0.2	0.66	<0.2	
10/14/2021			0.5 (J)						
10/15/2021									
10/20/2021									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/9/2024 1:28 PM View: Appendix III

Plant Watson Data: Plant Watson AP CCR

	APMW-2	APMW-3	APMW-4	APMW-5	APMW-8	APMW-7	APMW-10	APMW-9	APMW-11 (bg)
10/21/2021		<0.2			1 (J)				
4/4/2022									0.062 (J)
4/5/2022	<0.2	<0.2					0.82		
4/6/2022			0.36 (J)	<0.2	16	1.2 (J)		0.82 (J)	
4/7/2022									
10/17/2022	<0.2								<0.2
10/18/2022		0.32 (J)			0.73	0.084 (J)	0.68	<0.2	
10/19/2022			0.29	0.065 (J)					
3/7/2023									0.051 (J)
3/8/2023	0.068 (J)	0.19 (J)	0.25						
3/9/2023				0.12 (J)	0.59	0.14 (J)			
3/10/2023									
3/13/2023							0.87	0.081 (J)	
3/14/2023									
10/18/2023									
10/19/2023	<0.2	0.17 (J)	0.41						
10/20/2023				<0.2	0.7	0.026 (J)		0.057 (J)	
10/21/2023							0.58		0.048 (J)
3/25/2024	0.082 (J)	0.39 (J)							
3/26/2024			0.44 (J)	0.28 (J)		0.13 (J)			
3/28/2024					0.97 (J)			0.13 (J)	
3/29/2024							0.75		0.049 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/9/2024 1:28 PM View: Appendix III

Plant Watson Data: Plant Watson AP CCR

	APMW-12 (bg)	APMW-1R	APMW-6R	APMW-14 (bg)	APMW-15 (bg)	APMW-13 (bg)	APMW-16 (bg)
4/24/2018							
4/25/2018							
6/13/2018							
6/14/2018							
7/23/2018							
7/24/2018							
9/1/2018							
9/6/2018							
10/1/2018							
10/2/2018							
11/1/2018							
11/2/2018							
12/6/2018							
12/7/2018							
2/13/2019							
3/16/2019	0.041 (J)	<0.2					
3/27/2019	0.49 (D)	<0.2					
4/3/2019	0.086 (JD)	<0.2					
4/4/2019							
4/5/2019			<0.2 (D)				
4/15/2019		0.14 (J)	<0.2				
4/16/2019	0.055 (J)						
5/2/2019		0.13 (J)	<0.2				
5/3/2019	0.058 (J)						
5/14/2019	0.071 (J)	<0.2	<0.2				
5/28/2019		0.16 (J)					
5/29/2019	0.042 (J)		<0.2				
6/12/2019	0.037 (J)	<0.2	<0.2				
6/19/2019			<0.2				
6/25/2019			0.32 (J)				
8/8/2019	0.072 (J)	0.21 (J)					
8/9/2019			<0.2				
8/29/2019	0.065 (J)						
8/30/2019		0.21 (J)	0.27 (J)				
3/16/2020		<0.2					
3/17/2020	0.036 (J)		<0.2				
7/21/2020				0.07 (J)	0.17	0.09 (J)	
7/30/2020							0.19
11/3/2020					<0.2		
11/4/2020		<0.2		<0.2		0.24 (J)	<0.2
11/5/2020							
11/9/2020							
11/10/2020							
11/20/2020	<0.2		<0.2				
3/8/2021		<0.2		<0.2	0.41 (J)	0.17 (J)	0.28 (J)
3/9/2021			<0.2				
3/10/2021	0.052 (J)						
10/11/2021	0.079 (J)						
10/12/2021		0.27 (J)					
10/14/2021							
10/15/2021				0.19 (J)			0.44 (J)
10/20/2021			0.29 (J)		0.25 (J)	0.14 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/9/2024 1:28 PM View: Appendix III

Plant Watson Data: Plant Watson AP CCR

	APMW-12 (bg)	APMW-1R	APMW-6R	APMW-14 (bg)	APMW-15 (bg)	APMW-13 (bg)	APMW-16 (bg)
10/21/2021							
4/4/2022	0.051 (J)	0.13 (J)					
4/5/2022							
4/6/2022							
4/7/2022			6.4	<0.2	0.25 (J)	0.39 (J)	0.54 (J)
10/17/2022	<0.2	<0.2					
10/18/2022							
10/19/2022			0.22	<0.2	0.13 (J)	0.034 (J)	0.094 (J)
3/7/2023							
3/8/2023		0.086 (J)					
3/9/2023			0.11 (J)				
3/10/2023				0.094 (J)	0.19 (J)	0.064 (J)	0.18 (J)
3/13/2023							
3/14/2023	0.045 (J)						
10/18/2023				0.076 (J)	0.12 (J)	0.11 (J)	0.15 (J)
10/19/2023		0.12 (J)					
10/20/2023			<0.2				
10/21/2023	0.048 (J)						
3/25/2024		0.16 (J)					
3/26/2024			<0.2				
3/28/2024				<0.2	0.29 (J)		0.36 (J)
3/29/2024	0.07 (J)					0.16 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: pH (SU) Analysis Run 5/9/2024 1:28 PM View: Appendix III

Plant Watson Data: Plant Watson AP CCR

	APMW-2	APMW-3	APMW-4	APMW-5	APMW-8	APMW-7	APMW-10	APMW-9	APMW-12 (bg)
4/24/2018	5.89	6.46	6.31						
4/25/2018				6.04	6.69	6.31	6.7	6.19	
6/13/2018							6.64	6.18	
6/14/2018	5.96	6.5	6.28	6.29	6.66	6.25			
7/23/2018					6.7		6.76	6.19	
7/24/2018	6.03	6.6	6.34	6.35		6.34			
9/1/2018	6.23	6.74	6.33	6.38			6.9		
9/6/2018					6.66	6.29		6.13	
10/1/2018	5.94	6.51	6.36						
10/2/2018				6.47	6.63	6.28	6.77	6.13	
11/1/2018					6.75		6.89	6.25	
11/2/2018	5.98	6.55	6.43	6.42		6.4			
12/6/2018			6.43	6.42	6.75	6.4	6.89	6.25	
12/7/2018	5.98	6.55							
2/13/2019	6.09	6.69	6.48	6.42	6.7	6.37	6.81	6.24	
3/16/2019									6.44
3/27/2019									6.38
4/3/2019									6.19
4/4/2019				6.35	6.72	6.33	6.74	6.17	
4/5/2019	6.03	6.7	6.33						
4/15/2019									
4/16/2019									6.3
5/2/2019									
5/3/2019									6.33
5/14/2019									6.64
5/28/2019									
5/29/2019									6.6
6/12/2019									6.31
6/19/2019									
6/25/2019									
8/8/2019	6.03	6.7					6.84	6.23	6.12
8/9/2019			6.69	6.42	6.74	6.34			
8/29/2019									6.24
8/30/2019	6.1	6.75	6.68	6.47	6.68	6.31	7.09	6.1	
3/16/2020	5.91	6.61	6.71						
3/17/2020				6.32	6.69	6.57	6.93		6.2
7/21/2020									
7/30/2020									
11/3/2020									
11/4/2020									
11/5/2020	5.92	6.58							
11/9/2020			6.37	6.37	6.74				
11/10/2020						6.37			
11/20/2020							6.94	6.23	6.31
3/8/2021	5.97						7.61	7	
3/9/2021		6.48	6.27	6.32	6.74	6.39			
3/10/2021									
10/11/2021									6.08
10/12/2021	5.89			6.55		6.51	6.75	6.16	
10/14/2021			6.41						
10/15/2021									
10/20/2021									

Prediction Limit

Constituent: pH (SU) Analysis Run 5/9/2024 1:28 PM View: Appendix III

Plant Watson Data: Plant Watson AP CCR

	APMW-2	APMW-3	APMW-4	APMW-5	APMW-8	APMW-7	APMW-10	APMW-9	APMW-12 (bg)
10/21/2021		6.54			6.74				
4/4/2022									6
4/5/2022	5.46	6.45					7.17		
4/6/2022			6.37	6.16	6.74	6.38		6.13	
4/7/2022									
10/17/2022	5.87								6.12
10/18/2022		6.61			6.67	6.43	6.98	6.32	
10/19/2022			6.32	6.38					
3/7/2023									
3/8/2023	5.88	6.53	6.26						
3/9/2023				6.28	6.5	6.37			
3/10/2023									
3/13/2023							6.97	6.22	
3/14/2023									6.11
10/18/2023									
10/19/2023	5.93	6.72	6.22						
10/20/2023				6.36	6.61	6.28		6.23	
10/21/2023							7.06		6.22
3/25/2024	5.86	6.55							
3/26/2024			6.33	6.34		6.42			
3/28/2024					6.78			6.3	
3/29/2024							6.83		6.11

Prediction Limit

Constituent: pH (SU) Analysis Run 5/9/2024 1:28 PM View: Appendix III

Plant Watson Data: Plant Watson AP CCR

	APMW-11 (bg)	APMW-1R	APMW-6R	APMW-13 (bg)	APMW-15 (bg)	APMW-14 (bg)	APMW-16 (bg)
4/24/2018							
4/25/2018							
6/13/2018							
6/14/2018							
7/23/2018							
7/24/2018							
9/1/2018							
9/6/2018							
10/1/2018							
10/2/2018							
11/1/2018							
11/2/2018							
12/6/2018							
12/7/2018							
2/13/2019							
3/16/2019	6.97	6.67					
3/27/2019	6.7	6.59					
4/3/2019	6.45	6.56					
4/4/2019							
4/5/2019			6.12				
4/15/2019		6.68	6.14				
4/16/2019	6.52						
5/2/2019		6.78	6.19				
5/3/2019	6.37						
5/14/2019	6.57	6.7	6.12				
5/28/2019		6.56					
5/29/2019	6.31		6.11				
6/12/2019	6.41	6.69	6.09				
6/19/2019			6.1				
6/25/2019			6.18				
8/8/2019	6.29	6.68					
8/9/2019			6.03				
8/29/2019	6.2						
8/30/2019		6.72	5.92				
3/16/2020		6.51					
3/17/2020	6.2		5.97				
7/21/2020				6.01	6.51	6.08	
7/30/2020							6.48
11/3/2020					6.51		
11/4/2020		6.45		6.01		6.03	6.58
11/5/2020							
11/9/2020	6.21						
11/10/2020							
11/20/2020			6.09				
3/8/2021		6.4		5.97	6.41	5.99	6.48
3/9/2021			6.13				
3/10/2021	6.29						
10/11/2021	6.13						
10/12/2021		6.43					
10/14/2021							
10/15/2021						5.97	6.55
10/20/2021			5.94	5.89	6.54		

Prediction Limit

Constituent: pH (SU) Analysis Run 5/9/2024 1:28 PM View: Appendix III

Plant Watson Data: Plant Watson AP CCR

	APMW-11 (bg)	APMW-1R	APMW-6R	APMW-13 (bg)	APMW-15 (bg)	APMW-14 (bg)	APMW-16 (bg)
10/21/2021							
4/4/2022	5.97	6.34					
4/5/2022							
4/6/2022							
4/7/2022			5.91	6.07	6.53	6.07	6.55
10/17/2022	6.19	6.27					
10/18/2022							
10/19/2022			6.1	6.08	6.58	6.07	6.64
3/7/2023	6.17						
3/8/2023		6.23					
3/9/2023			6.04				
3/10/2023				6	6.48	6	6.5
3/13/2023							
3/14/2023							
10/18/2023				6.07	6.48	6.16	6.51
10/19/2023		6.23					
10/20/2023			6.15				
10/21/2023	6.26						
3/25/2024		6.34					
3/26/2024			6.12				
3/28/2024					6.37	6.06	6.41
3/29/2024	6.11			6.01			

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/9/2024 1:28 PM View: Appendix III

Plant Watson Data: Plant Watson AP CCR

	APMW-2	APMW-3	APMW-4	APMW-5	APMW-8	APMW-7	APMW-10	APMW-9	APMW-12 (bg)
4/24/2018	<1	1200	340						
4/25/2018				920	670	65	290	270	
6/13/2018							310	300	
6/14/2018	7.2	1200	350	980	650	81			
7/23/2018					610		300	280	
7/24/2018	2.7 (J)	1100	310	950		52			
9/1/2018	1.5 (J)	1200	300	980			290		
9/6/2018					690	53		270	
10/1/2018	<1	1200	330						
10/2/2018				960	650	34	300	280	
11/1/2018					610		290	270	
11/2/2018	1.9 (J)	1000	310	860		35			
12/6/2018			300	990	660	65	290	300	
12/7/2018	<1	1100							
2/13/2019	1.5 (J)	1100	320	930	600	74	230	280	
3/16/2019									0.88 (J)
3/27/2019									1.3 (D)
4/3/2019									1.9 (D)
4/4/2019				1100	640	61	240	330	
4/5/2019	7	1200	330						
4/15/2019									
4/16/2019									2.5
5/2/2019									
5/3/2019									1.3
5/14/2019									2.2
5/28/2019									
5/29/2019									1.2
6/12/2019									1.1
6/19/2019									
6/25/2019									
8/29/2019									1.1
8/30/2019	8.4	1100	330	940	620	83	160	280	
3/16/2020	16	1100	330						
3/17/2020				910	680	430	110	290	3.2
7/21/2020									
7/30/2020									
11/3/2020									
11/4/2020									
11/5/2020	4.4 (J)	1000							
11/9/2020			320	1000	590				
11/10/2020						64			
11/20/2020							50	270	0.79 (J)
3/8/2021	5.7						24	280	
3/9/2021		1100	320	910	630	100			
3/10/2021									1.1
10/11/2021									<1
10/12/2021	<1			900		13	4	270	
10/14/2021			290						
10/15/2021									
10/20/2021									
10/21/2021		1040 (D)			615 (D)				
4/4/2022									1.3

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/9/2024 1:28 PM View: Appendix III

Plant Watson Data: Plant Watson AP CCR

	APMW-2	APMW-3	APMW-4	APMW-5	APMW-8	APMW-7	APMW-10	APMW-9	APMW-12 (bg)
4/5/2022	11	1100					7.5		
4/6/2022			300	910	610	98		290	
4/7/2022									
10/17/2022	5.6								<1
10/18/2022		850			560	25	<1	280	
10/19/2022			230	810					
3/7/2023									
3/8/2023	5.6	960	210						
3/9/2023				810	570	79			
3/10/2023									
3/13/2023							2.5	250	
3/14/2023									<1
10/18/2023									
10/19/2023	690	980	190						
10/20/2023				660	590	93		190	
10/21/2023							2.4 (J)		1
3/25/2024	6	980							
3/26/2024			170	610		100			
3/28/2024					630			170	
3/29/2024							<1		<1

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/9/2024 1:28 PM View: Appendix III

Plant Watson Data: Plant Watson AP CCR

	APMW-11 (bg)	APMW-1R	APMW-6R	APMW-15 (bg)	APMW-14 (bg)	APMW-13 (bg)	APMW-16 (bg)
4/24/2018							
4/25/2018							
6/13/2018							
6/14/2018							
7/23/2018							
7/24/2018							
9/1/2018							
9/6/2018							
10/1/2018							
10/2/2018							
11/1/2018							
11/2/2018							
12/6/2018							
12/7/2018							
2/13/2019							
3/16/2019	3.6	14					
3/27/2019	0.81 (JD)	19					
4/3/2019	1.1 (D)	4.6 (J)					
4/4/2019							
4/5/2019			800 (D)				
4/15/2019		8.6	700				
4/16/2019	0.68 (J)						
5/2/2019		6	810				
5/3/2019	1.1						
5/14/2019	1.3	5.8	810				
5/28/2019		9.4					
5/29/2019	2.1		830				
6/12/2019	1.9	8.8	830				
6/19/2019			810				
6/25/2019			800				
8/29/2019	2.3						
8/30/2019		13	800				
3/16/2020		23					
3/17/2020	3.7		590				
7/21/2020				52.9	713	802	
7/30/2020							33.4
11/3/2020				550			
11/4/2020		10			670	1700 (o)	440
11/5/2020							
11/9/2020	0.51 (J)						
11/10/2020							
11/20/2020			790				
3/8/2021		12		97	740	720	72
3/9/2021			830				
3/10/2021	<1						
10/11/2021	<1						
10/12/2021		<1					
10/14/2021							
10/15/2021					730		55
10/20/2021			835 (D)	91.5 (D)		840	
10/21/2021							
4/4/2022	0.91 (J)	21					

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/9/2024 1:28 PM View: Appendix III

Plant Watson Data: Plant Watson AP CCR

	APMW-11 (bg)	APMW-1R	APMW-6R	APMW-15 (bg)	APMW-14 (bg)	APMW-13 (bg)	APMW-16 (bg)
4/5/2022							
4/6/2022							
4/7/2022			820	160	810	810	140
10/17/2022	<1	1.2					
10/18/2022							
10/19/2022			800	76	830	810	57
3/7/2023	0.82 (J)						
3/8/2023		5					
3/9/2023			810				
3/10/2023				88	870	850	76
3/13/2023							
3/14/2023							
10/18/2023				80	690	750	88
10/19/2023		<1					
10/20/2023			760				
10/21/2023	<1						
3/25/2024		6.3					
3/26/2024			770				
3/28/2024				97	770		95
3/29/2024	<1					890	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/9/2024 1:28 PM View: Appendix III

Plant Watson Data: Plant Watson AP CCR

	APMW-2	APMW-3	APMW-4	APMW-5	APMW-8	APMW-7	APMW-10	APMW-9	APMW-1R
4/24/2018	4800	18000	7700						
4/25/2018				16000	6400	7500	2500	5800	
6/13/2018							2900	5800	
6/14/2018	5700	13000	7200	14000	6000	7000			
7/23/2018					7200		3100	5800	
7/24/2018	6000	18000	7000	15000		7200			
9/1/2018	6300	20000	7800	16000			2700		
9/6/2018					7800	7000		6300	
10/1/2018	6500	20000	8400						
10/2/2018				17000	8200	7400	2900	6500	
11/1/2018					7300		2700	5000	
11/2/2018	3800	19000	7600	15000		6900			
12/6/2018			7400	14000	8300	6900	2600	6000	
12/7/2018	5300	13000							
2/13/2019	6200	16000	7700	16000	8900	8200	2800	6700	
3/16/2019									3300
3/27/2019									2900
4/3/2019									3600
4/4/2019				18000	7700	8100	2500	4500	
4/5/2019	5000	18000	7000						
4/15/2019									3300
4/16/2019									
5/2/2019									3300
5/3/2019									
5/14/2019									3600
5/28/2019									3500
5/29/2019									
6/12/2019									
6/19/2019									
6/25/2019									
8/29/2019									
8/30/2019	4400	18000	5800	16000	6300	6900	2200	4900	3500
3/16/2020	4400	16000	6100						4500
3/17/2020				15000	6400	6900	2700	5400	
7/21/2020									
7/30/2020									
11/3/2020									
11/4/2020									5000
11/5/2020	4100	19000							
11/9/2020			5400	14000	7100				
11/10/2020						7100			
11/20/2020							2100	6000	
3/8/2021	4300						2100	6300	5200
3/9/2021		22000	5500	20000	8100	7800			
3/10/2021									
10/11/2021									
10/12/2021	4400			15000		6900	2300	7000	4700
10/14/2021			5700						
10/15/2021									
10/20/2021									
10/21/2021		18000			6600				
4/4/2022									4700

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/9/2024 1:28 PM View: Appendix III

Plant Watson Data: Plant Watson AP CCR

	APMW-2	APMW-3	APMW-4	APMW-5	APMW-8	APMW-7	APMW-10	APMW-9	APMW-1R
4/5/2022	4400	16000					1700		
4/6/2022			5200	15000	8900	7700		5600	
4/7/2022									
10/17/2022	6600								4900
10/18/2022		14000			7000	7900	1900	5900	
10/19/2022			5900	13000					
3/7/2023									
3/8/2023	4000	17000	4600						4400
3/9/2023				15000	7400	7900			
3/10/2023									
3/13/2023							1500	6000	
3/14/2023									
10/18/2023									
10/19/2023	3900	17000	3900						4200
10/20/2023				13000	7100	8000		5100	
10/21/2023							1600		
3/25/2024	4000	16000							4600
3/26/2024			3900	12000		7600			
3/28/2024					7600			5100	
3/29/2024							1400		

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/9/2024 1:28 PM View: Appendix III

Plant Watson Data: Plant Watson AP CCR

	APMW-11 (bg)	APMW-12 (bg)	APMW-6R	APMW-14 (bg)	APMW-15 (bg)	APMW-13 (bg)	APMW-16 (bg)
4/24/2018							
4/25/2018							
6/13/2018							
6/14/2018							
7/23/2018							
7/24/2018							
9/1/2018							
9/6/2018							
10/1/2018							
10/2/2018							
11/1/2018							
11/2/2018							
12/6/2018							
12/7/2018							
2/13/2019							
3/16/2019	120	150					
3/27/2019	63 (D)	110 (D)					
4/3/2019	100 (D)	150 (D)					
4/4/2019							
4/5/2019			7800 (D)				
4/15/2019			6600				
4/16/2019	110	150					
5/2/2019			7400				
5/3/2019	91	130					
5/14/2019	120	150	8300				
5/28/2019							
5/29/2019	140	180	8600				
6/12/2019	100	130	6800				
6/19/2019			7100				
6/25/2019			8500				
8/29/2019	73	110					
8/30/2019			6600				
3/16/2020							
3/17/2020	95	120	7200				
7/21/2020				6350	5400	3760	
7/30/2020							5020
11/3/2020					9200		
11/4/2020				6500		5400	8500
11/5/2020							
11/9/2020	68						
11/10/2020							
11/20/2020		160	7400				
3/8/2021				6800	6200	3600	5100
3/9/2021			8800				
3/10/2021	89	140					
10/11/2021	80	120					
10/12/2021							
10/14/2021							
10/15/2021				5700			5700
10/20/2021			7600		5200	3400	
10/21/2021							
4/4/2022	78	120					

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/9/2024 1:28 PM View: Appendix III

Plant Watson Data: Plant Watson AP CCR

	APMW-11 (bg)	APMW-12 (bg)	APMW-6R	APMW-14 (bg)	APMW-15 (bg)	APMW-13 (bg)	APMW-16 (bg)
4/5/2022							
4/6/2022							
4/7/2022			7600	6000	5100	3400	5100
10/17/2022	86	120					
10/18/2022							
10/19/2022			7000	5900	5700	3600	5700
3/7/2023	86						
3/8/2023							
3/9/2023			7500				
3/10/2023				5600	5000	3600	4700
3/13/2023							
3/14/2023		120					
10/18/2023				6200	5000	3500	5300
10/19/2023							
10/20/2023			7000				
10/21/2023	73	130					
3/25/2024							
3/26/2024			7300				
3/28/2024				6100	4900		5100
3/29/2024	87	120				3500	

FIGURE E.

Appendix III - Trend Test Summary - Significant Results

Plant Watson Data: Plant Watson AP CCR Printed 5/9/2024, 1:32 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**APMW-10**	**0.08753**	**82**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**APMW-2**	**-0.1121**	**-84**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**APMW-6R**	**0.4948**	**81**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**APMW-15 (bg)**	**-5.314**	**-30**	**-25**	**Yes**	**9**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**APMW-1R**	**15.07**	**79**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**APMW-3**	**-365.4**	**-111**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**APMW-5**	**-188.6**	**-75**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	**APMW-10**	**0.05188**	**85**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	**APMW-11 (bg)**	**-0.1108**	**-123**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	**APMW-12 (bg)**	**-0.06322**	**-76**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**APMW-3**	**-34.76**	**-94**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III - Trend Test Summary - All Results

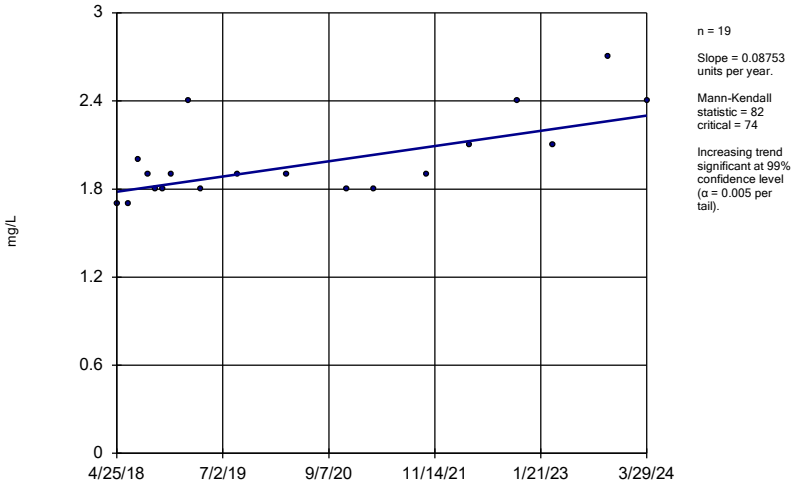
Plant Watson Data: Plant Watson AP CCR Printed 5/9/2024, 1:32 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**APMW-10**	**0.08753**	**82**	**74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	APMW-11 (bg)	0	27	68	No	18	50	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-12 (bg)	0.007441	53	68	No	18	33.33	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-13 (bg)	-0.01043	-5	-25	No	9	0	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-14 (bg)	0.007122	1	25	No	9	0	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-15 (bg)	0.035	14	25	No	9	0	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-16 (bg)	0.03143	5	25	No	9	0	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-1R	0.3153	37	68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	**APMW-2**	**-0.1121**	**-84**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	APMW-3	0.08207	41	74	No	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-5	-0.04946	-26	-74	No	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	**APMW-6R**	**0.4948**	**81**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	APMW-7	0.03202	31	74	No	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-8	0	-21	-74	No	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	APMW-9	0.02536	11	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-11 (bg)	-0.9007	-64	-68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-12 (bg)	-0.2252	-56	-68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-13 (bg)	-2.036	-9	-25	No	9	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-14 (bg)	0	3	25	No	9	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**APMW-15 (bg)**	**-5.314**	**-30**	**-25**	**Yes**	**9**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	APMW-16 (bg)	-7.174	-11	-25	No	9	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**APMW-1R**	**15.07**	**79**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	APMW-2	4.029	29	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-3	-3.188	-30	-74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-5	-6.716	-61	-74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-6R	-14.98	-49	-68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-8	0	-8	-74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	APMW-9	-3.224	-40	-74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	APMW-11 (bg)	-0.06547	-20	-68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	APMW-12 (bg)	-0.2018	-48	-68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	APMW-13 (bg)	-104.3	-20	-25	No	9	0	n/a	n/a	0.01	NP
Chloride (mg/L)	APMW-14 (bg)	-4.451	-2	-25	No	9	0	n/a	n/a	0.01	NP
Chloride (mg/L)	APMW-15 (bg)	-79.39	-16	-25	No	9	0	n/a	n/a	0.01	NP
Chloride (mg/L)	APMW-16 (bg)	-34.7	-2	-25	No	9	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**APMW-3**	**-365.4**	**-111**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**APMW-5**	**-188.6**	**-75**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	APMW-10	-0.007055	-12	-81	No	20	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	APMW-11 (bg)	0	-3	-74	No	19	36.84	n/a	n/a	0.01	NP
Fluoride (mg/L)	APMW-12 (bg)	-0.001308	-8	-74	No	19	10.53	n/a	n/a	0.01	NP
Fluoride (mg/L)	APMW-13 (bg)	-0.01245	-4	-25	No	9	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	APMW-14 (bg)	0	0	25	No	9	55.56	n/a	n/a	0.01	NP
Fluoride (mg/L)	APMW-15 (bg)	0.003383	1	25	No	9	11.11	n/a	n/a	0.01	NP
Fluoride (mg/L)	APMW-16 (bg)	0.02155	2	25	No	9	11.11	n/a	n/a	0.01	NP
pH (SU)	**APMW-10**	**0.05188**	**85**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	**APMW-11 (bg)**	**-0.1108**	**-123**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	**APMW-12 (bg)**	**-0.06322**	**-76**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	APMW-13 (bg)	0.01128	6	25	No	9	0	n/a	n/a	0.01	NP
pH (SU)	APMW-14 (bg)	0.006908	3	25	No	9	0	n/a	n/a	0.01	NP
pH (SU)	APMW-15 (bg)	-0.01208	-8	-25	No	9	0	n/a	n/a	0.01	NP
pH (SU)	APMW-16 (bg)	-0.01951	-4	-25	No	9	0	n/a	n/a	0.01	NP
pH (SU)	APMW-8	0.00115	14	81	No	20	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	APMW-11 (bg)	-0.03959	-24	-68	No	18	27.78	n/a	n/a	0.01	NP
Sulfate (mg/L)	APMW-12 (bg)	-0.05901	-53	-68	No	18	22.22	n/a	n/a	0.01	NP
Sulfate (mg/L)	APMW-13 (bg)	19.35	11	21	No	8	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	APMW-14 (bg)	40.14	14	25	No	9	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	APMW-15 (bg)	-3.506	-3	-25	No	9	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	APMW-16 (bg)	12.81	10	25	No	9	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**APMW-3**	**-34.76**	**-94**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	APMW-11 (bg)	-4.501	-49	-68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-12 (bg)	-3.421	-38	-68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-13 (bg)	-69.86	-13	-25	No	9	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-14 (bg)	-152.5	-10	-25	No	9	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-15 (bg)	-195.6	-25	-25	No	9	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-16 (bg)	-61.28	-4	-25	No	9	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-3	-205.2	-25	-74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	APMW-5	-321	-50	-74	No	19	0	n/a	n/a	0.01	NP

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-10



n = 19

Slope = 0.08753 units per year.

Mann-Kendall statistic = 82
critical = 74

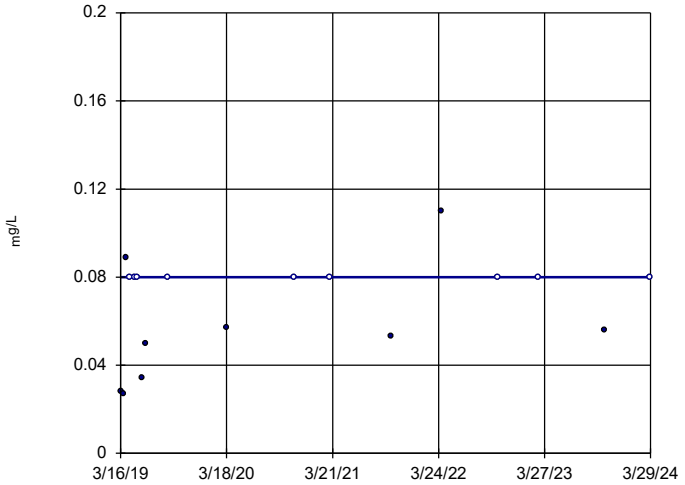
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-11 (bg)



n = 18

Slope = 0
units per year.

Mann-Kendall statistic = 27
critical = 68

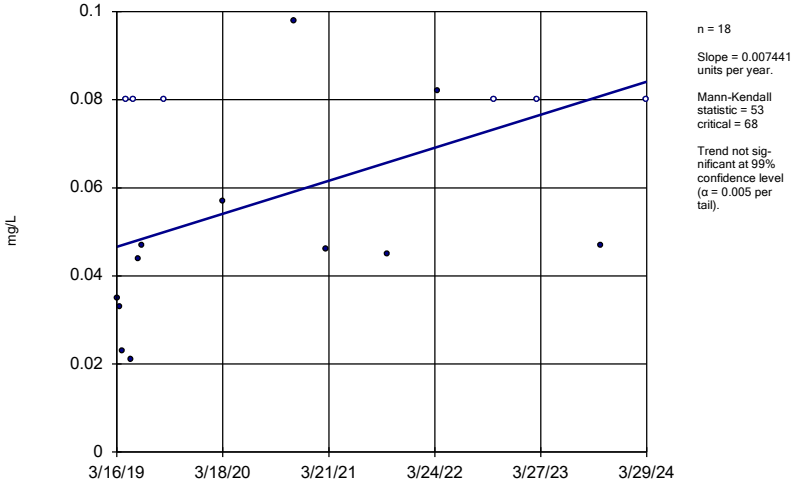
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-12 (bg)



n = 18

Slope = 0.007441 units per year.

Mann-Kendall statistic = 53
critical = 68

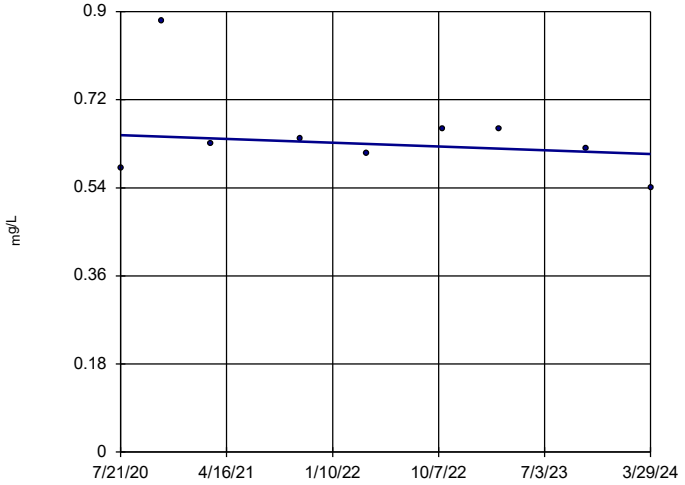
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-13 (bg)



n = 9

Slope = -0.01043 units per year.

Mann-Kendall statistic = -5
critical = -25

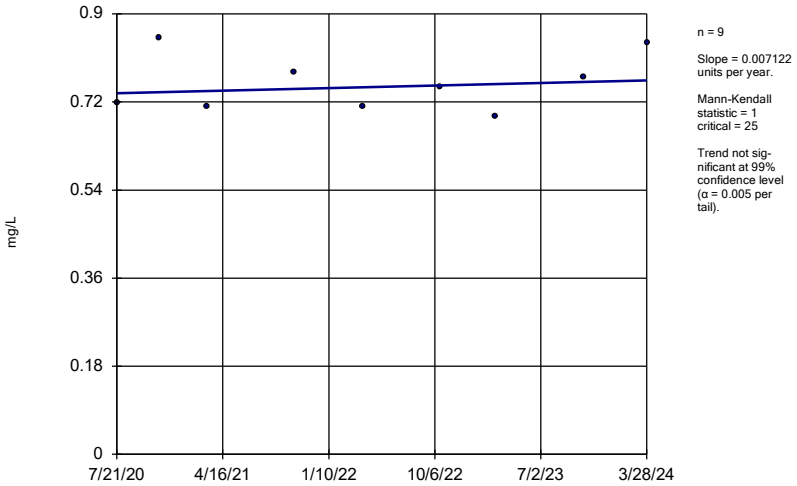
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-14 (bg)



n = 9

Slope = 0.007122 units per year.

Mann-Kendall statistic = 1 critical = 25

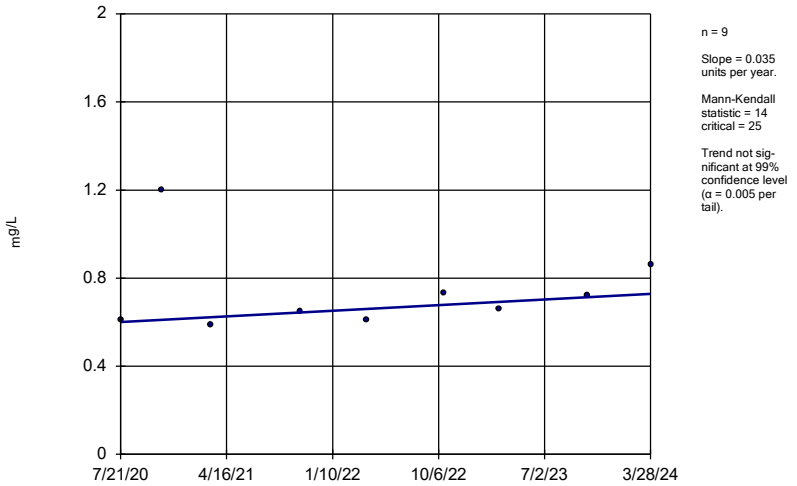
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-15 (bg)



n = 9

Slope = 0.035 units per year.

Mann-Kendall statistic = 14 critical = 25

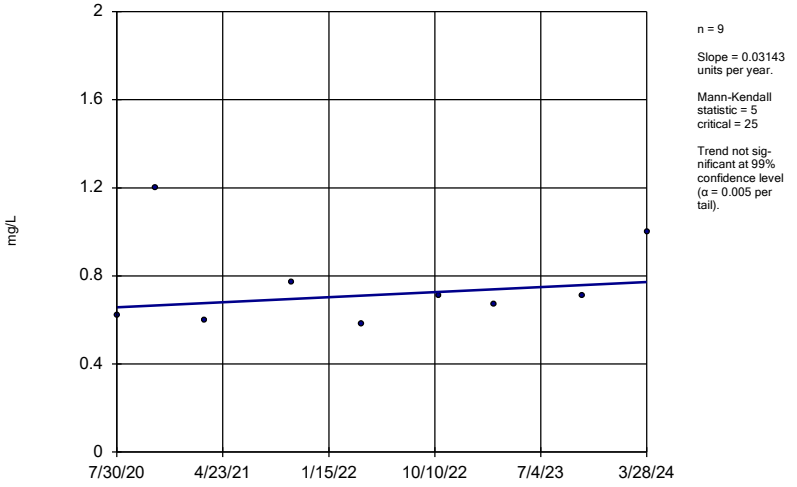
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-16 (bg)



n = 9

Slope = 0.03143 units per year.

Mann-Kendall statistic = 5 critical = 25

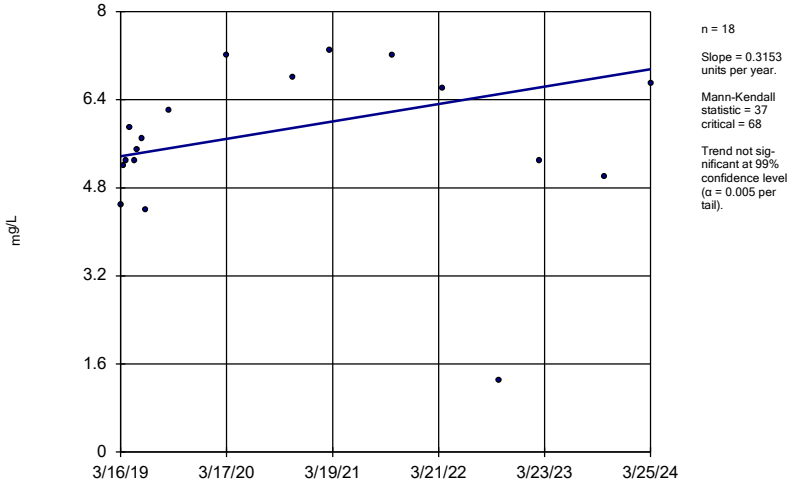
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-1R



n = 18

Slope = 0.3153 units per year.

Mann-Kendall statistic = 37 critical = 68

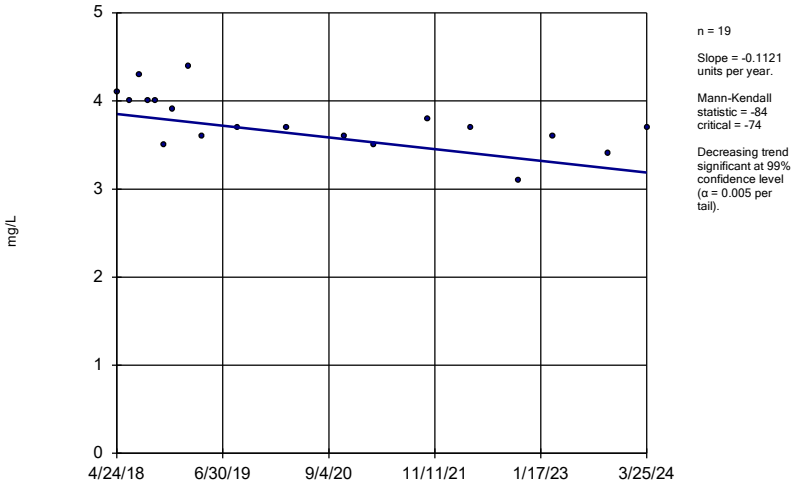
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-2



n = 19

Slope = -0.1121 units per year.

Mann-Kendall statistic = -84
critical = -74

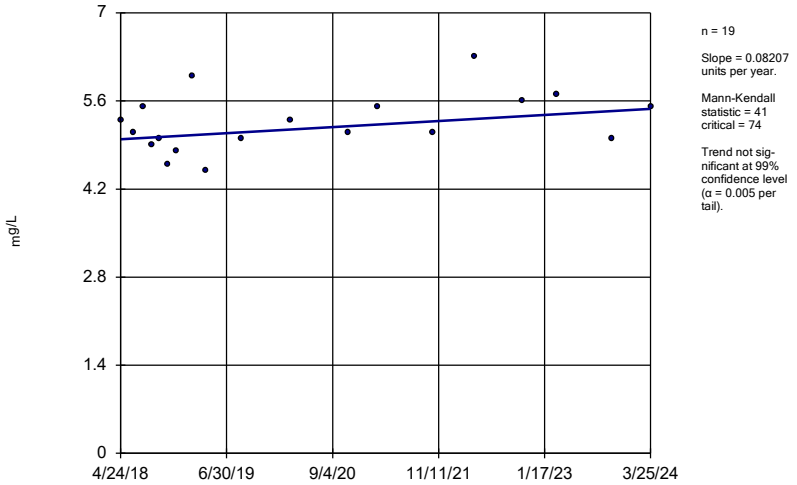
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-3



n = 19

Slope = 0.08207 units per year.

Mann-Kendall statistic = 41
critical = 74

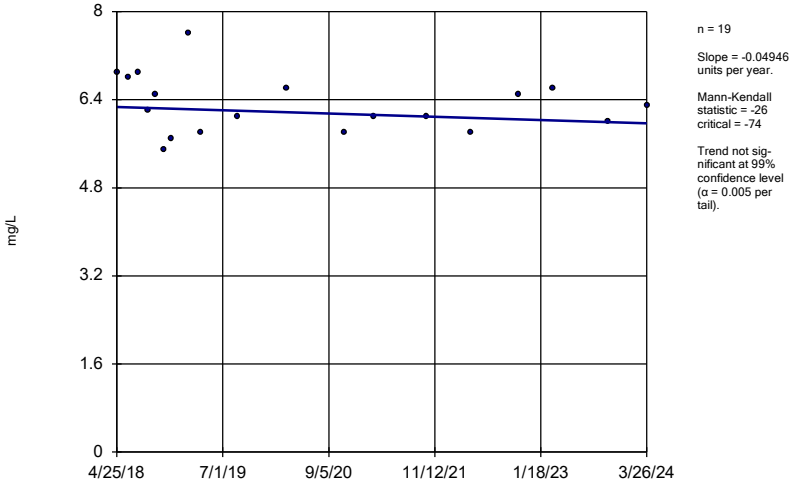
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-5



n = 19

Slope = -0.04946 units per year.

Mann-Kendall statistic = -26
critical = -74

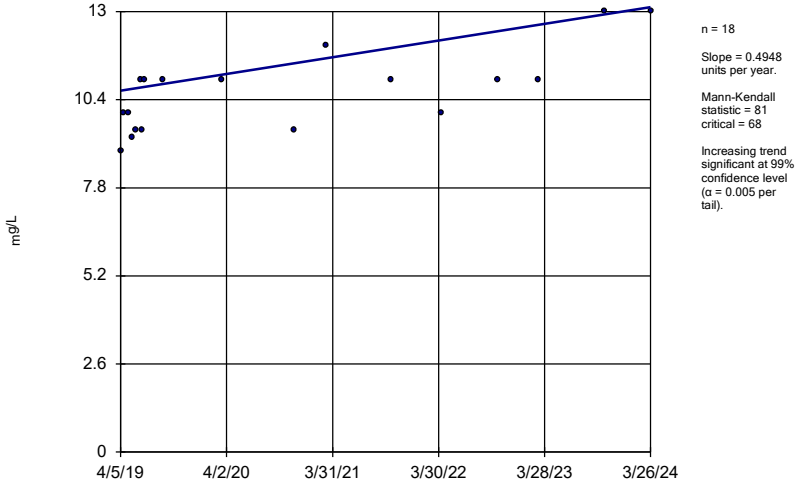
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-6R



n = 18

Slope = 0.4948 units per year.

Mann-Kendall statistic = 81
critical = 68

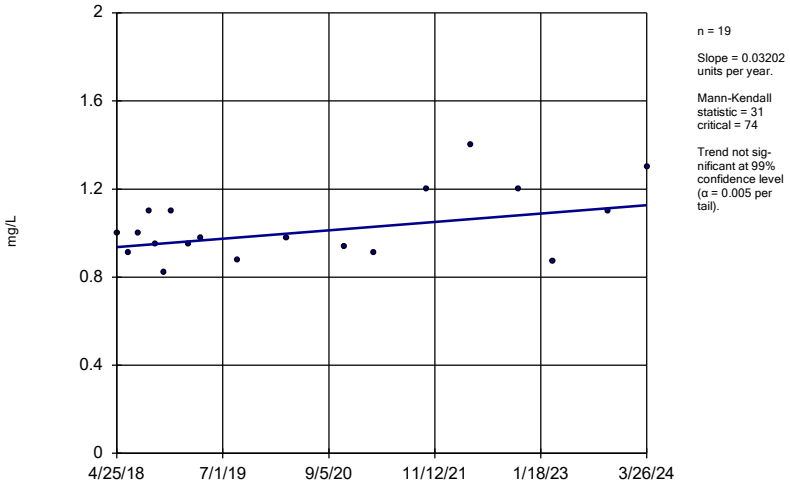
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-7



n = 19

Slope = 0.03202 units per year.

Mann-Kendall statistic = 31 critical = 74

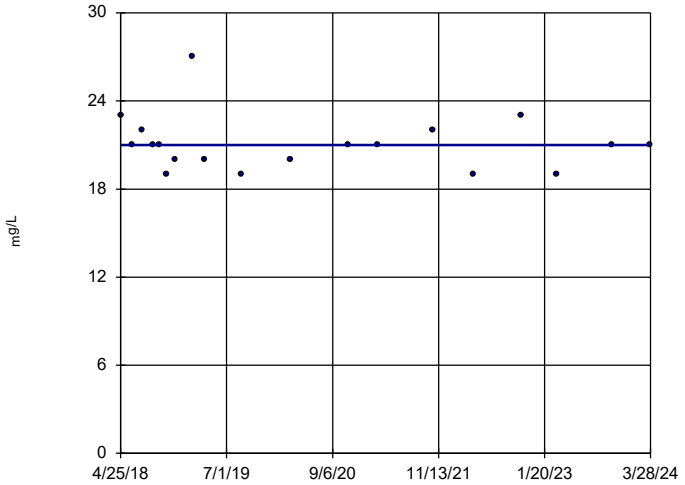
Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-8



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = -21 critical = -74

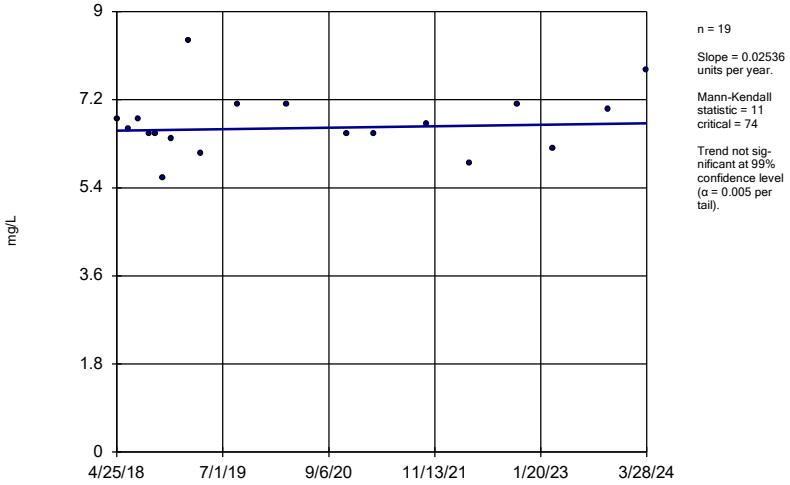
Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-9



n = 19

Slope = 0.02536 units per year.

Mann-Kendall statistic = 11 critical = 74

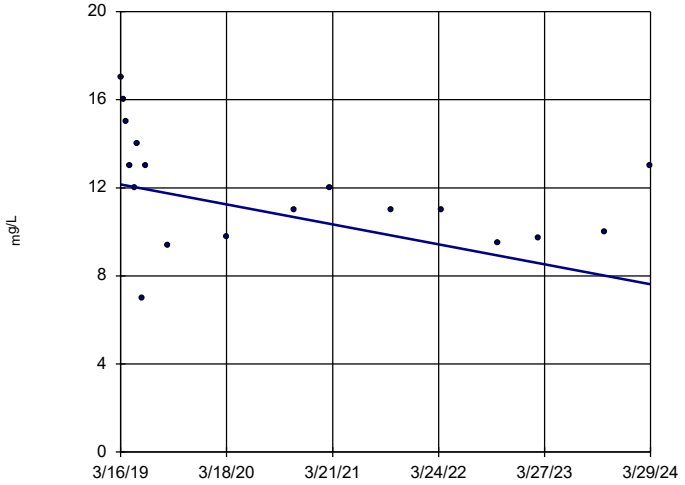
Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-11 (bg)



n = 18

Slope = -0.9007 units per year.

Mann-Kendall statistic = -64 critical = -68

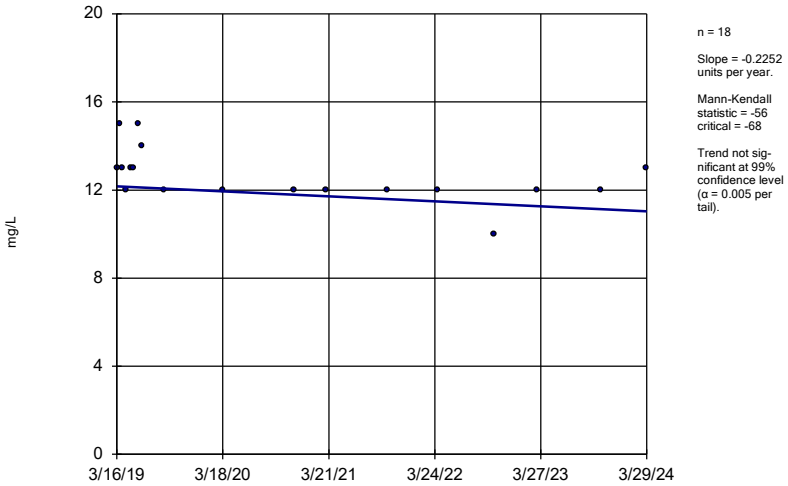
Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-12 (bg)



n = 18

Slope = -0.2252 units per year.

Mann-Kendall statistic = -56 critical = -68

Trend not significant at 99% confidence level (α = 0.005 per tail).

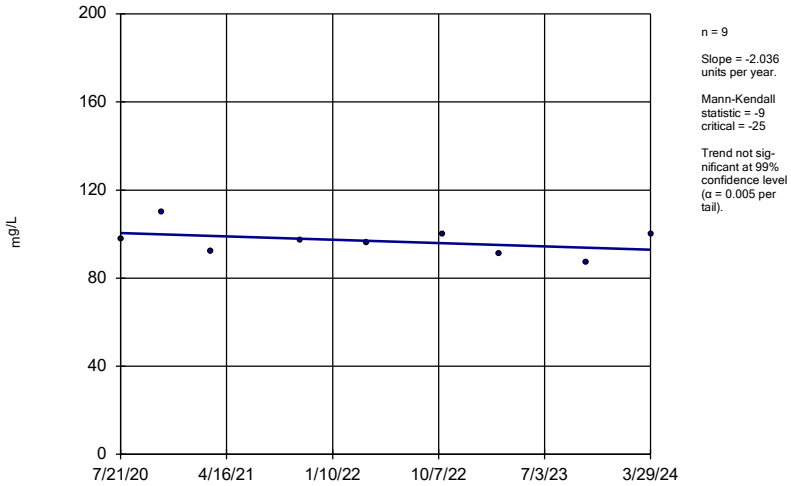
Constituent: Calcium Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests

Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-13 (bg)



n = 9

Slope = -2.036 units per year.

Mann-Kendall statistic = -9 critical = -25

Trend not significant at 99% confidence level (α = 0.005 per tail).

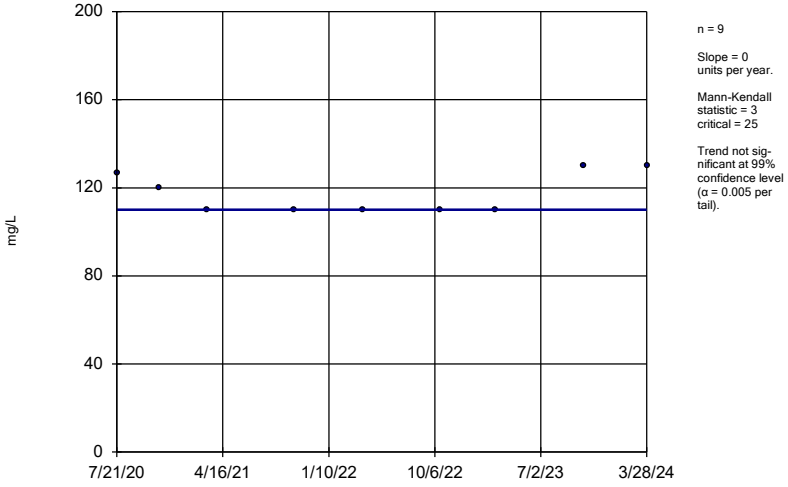
Constituent: Calcium Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests

Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-14 (bg)



n = 9

Slope = 0 units per year.

Mann-Kendall statistic = 3 critical = 25

Trend not significant at 99% confidence level (α = 0.005 per tail).

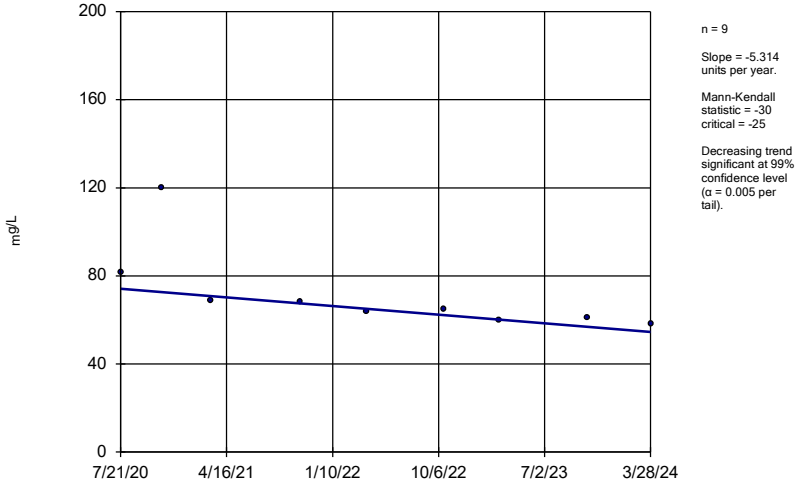
Constituent: Calcium Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests

Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-15 (bg)



n = 9

Slope = -5.314 units per year.

Mann-Kendall statistic = -30 critical = -25

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

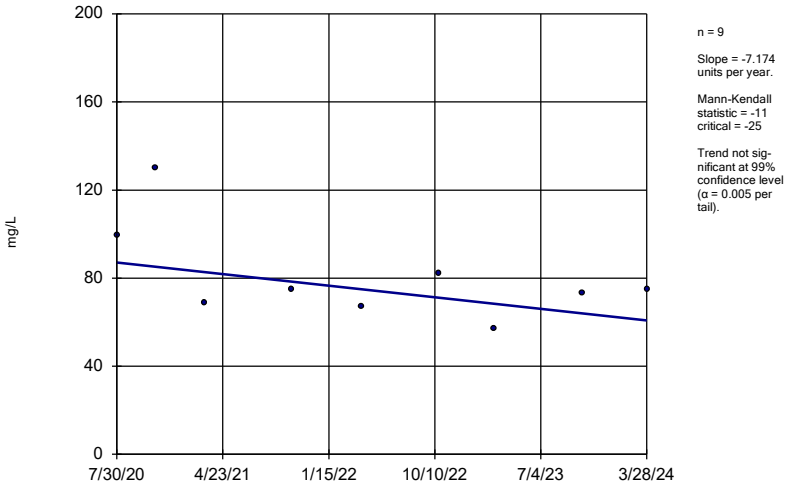
Constituent: Calcium Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests

Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-16 (bg)



n = 9

Slope = -7.174 units per year.

Mann-Kendall statistic = -11
critical = -25

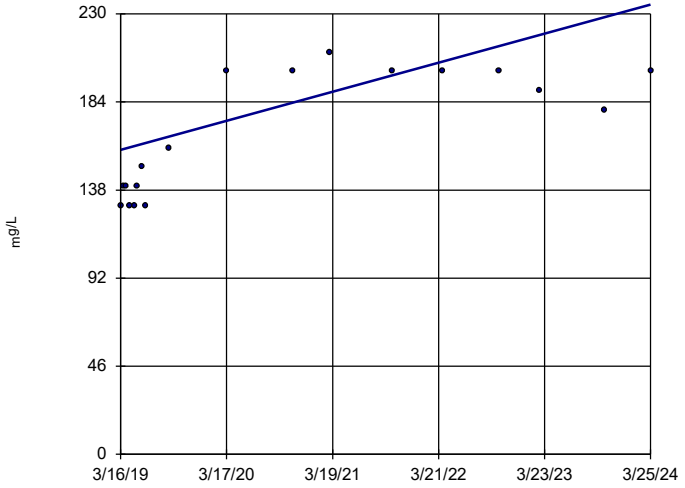
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-1R



n = 18

Slope = 15.07 units per year.

Mann-Kendall statistic = 79
critical = 68

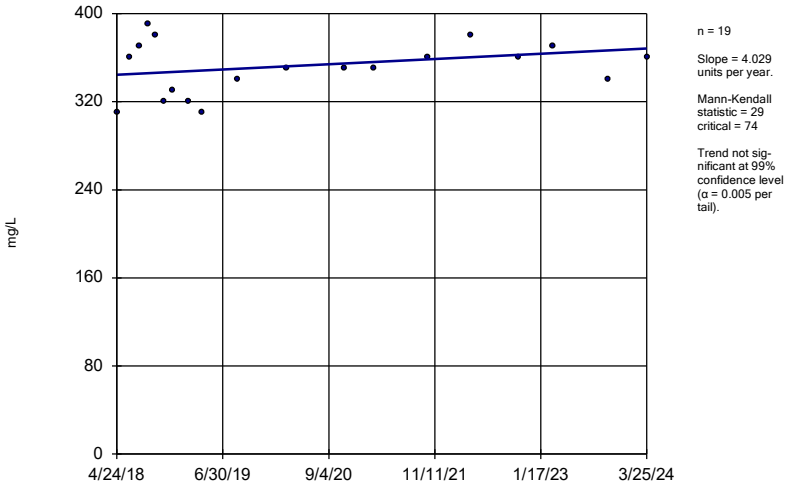
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-2



n = 19

Slope = 4.029 units per year.

Mann-Kendall statistic = 29
critical = 74

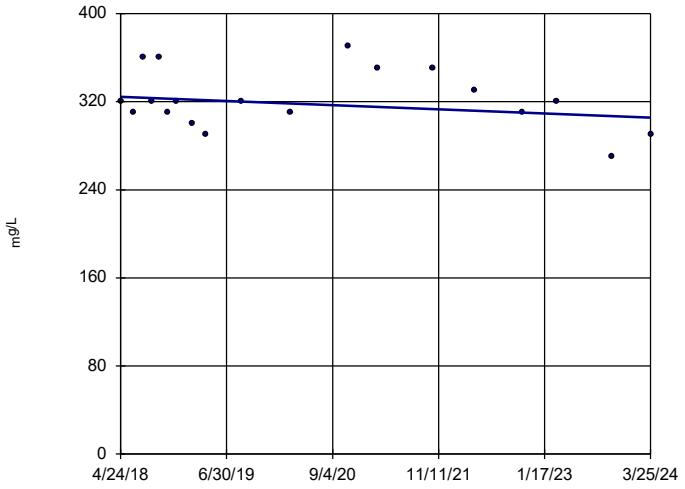
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-3



n = 19

Slope = -3.188 units per year.

Mann-Kendall statistic = -30
critical = -74

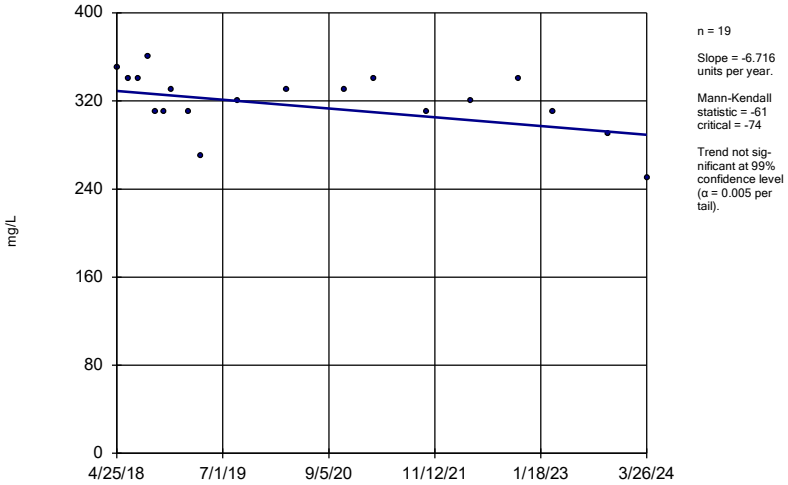
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-5



n = 19

Slope = -6.716 units per year.

Mann-Kendall statistic = -61 critical = -74

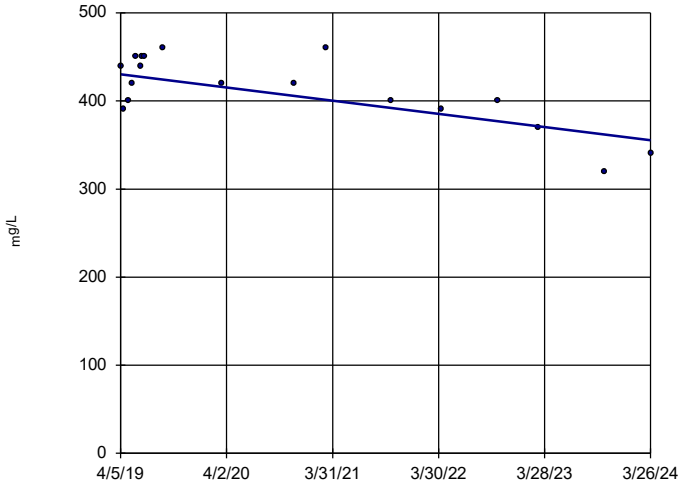
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-6R



n = 18

Slope = -14.98 units per year.

Mann-Kendall statistic = -49 critical = -68

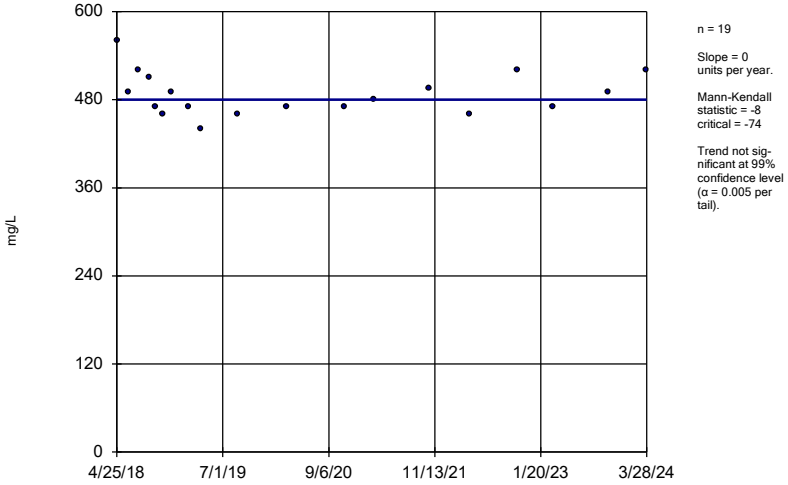
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-8



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = -8 critical = -74

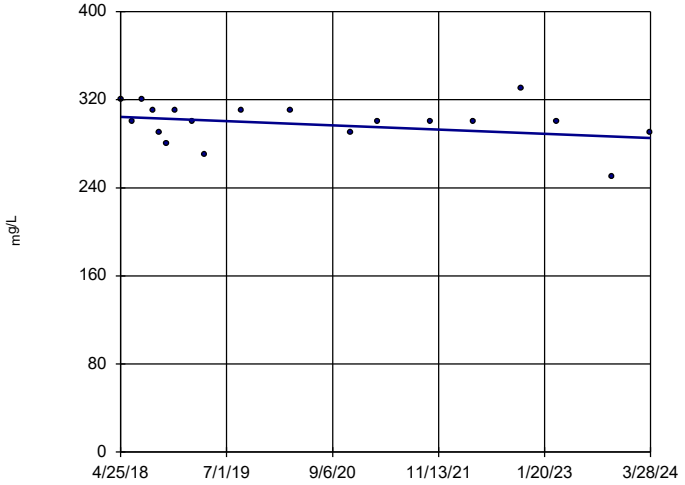
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-9



n = 19

Slope = -3.224 units per year.

Mann-Kendall statistic = -40 critical = -74

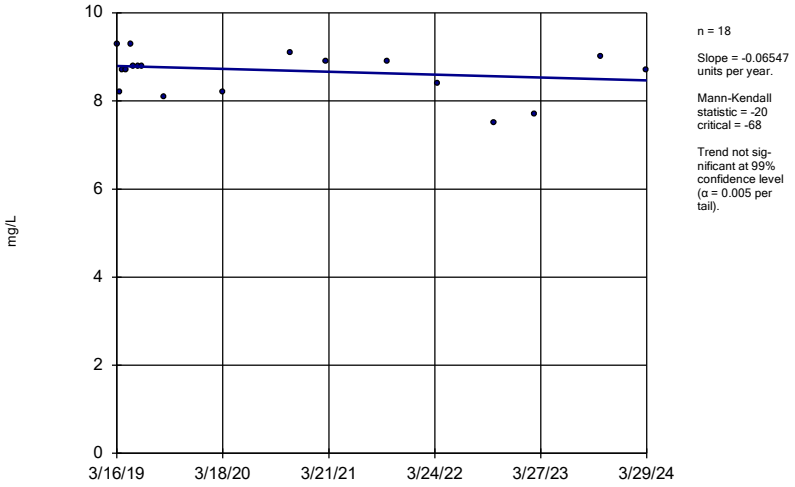
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-11 (bg)



n = 18

Slope = -0.06547 units per year.

Mann-Kendall statistic = -20
critical = -68

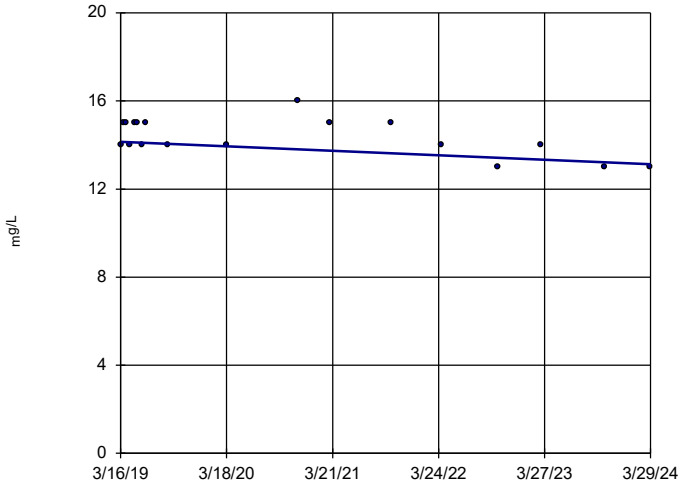
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-12 (bg)



n = 18

Slope = -0.2018 units per year.

Mann-Kendall statistic = -48
critical = -68

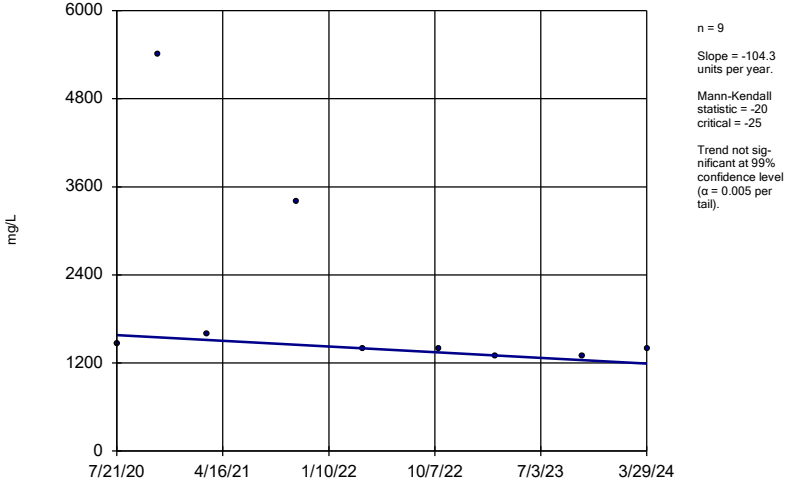
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-13 (bg)



n = 9

Slope = -104.3 units per year.

Mann-Kendall statistic = -20
critical = -25

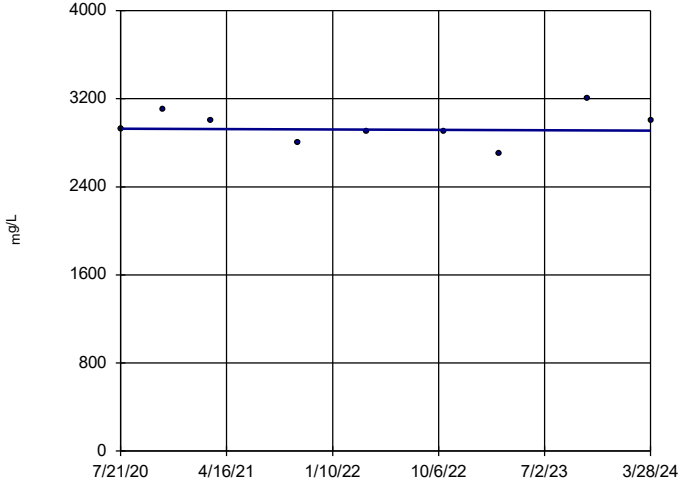
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-14 (bg)



n = 9

Slope = -4.451 units per year.

Mann-Kendall statistic = -2
critical = -25

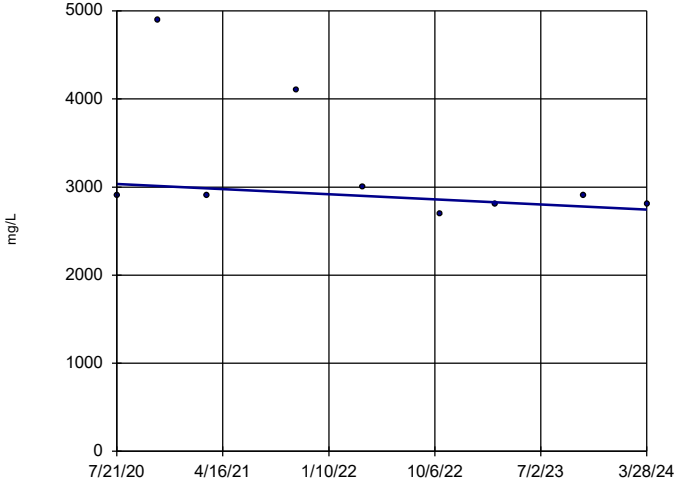
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-15 (bg)



n = 9

Slope = -79.39 units per year.

Mann-Kendall statistic = -16
critical = -25

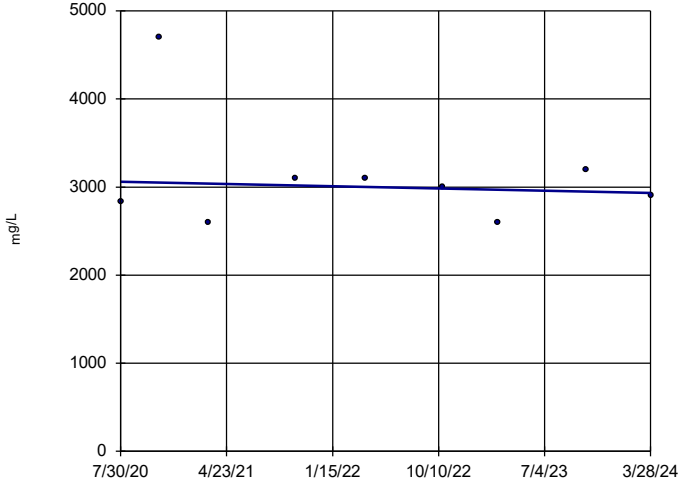
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-16 (bg)



n = 9

Slope = -34.7 units per year.

Mann-Kendall statistic = -2
critical = -25

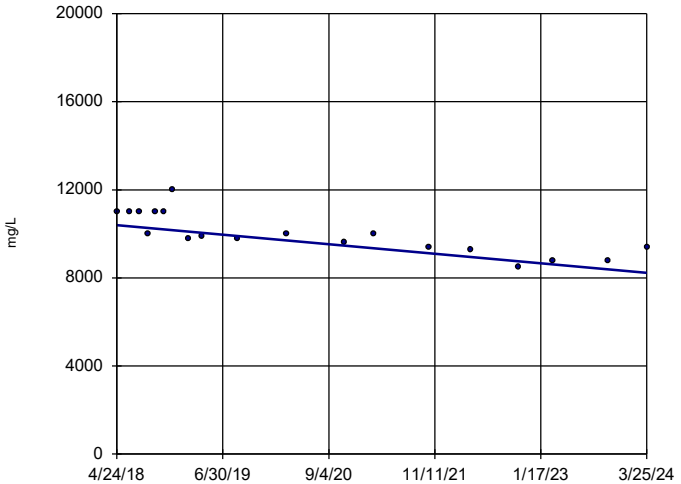
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-3



n = 19

Slope = -365.4 units per year.

Mann-Kendall statistic = -111
critical = -74

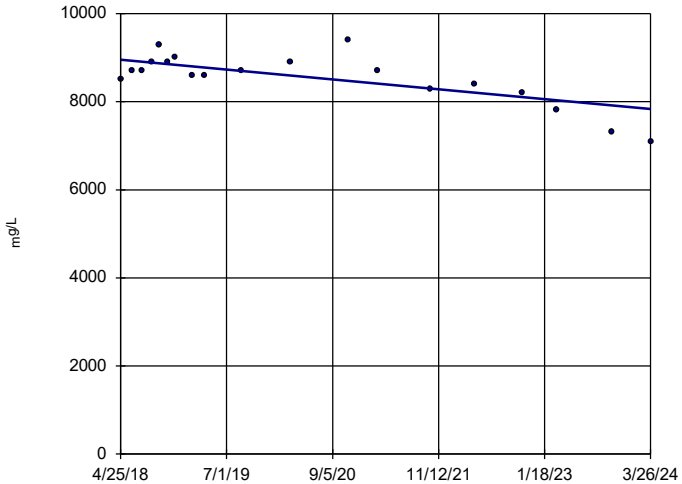
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-5



n = 19

Slope = -188.6 units per year.

Mann-Kendall statistic = -75
critical = -74

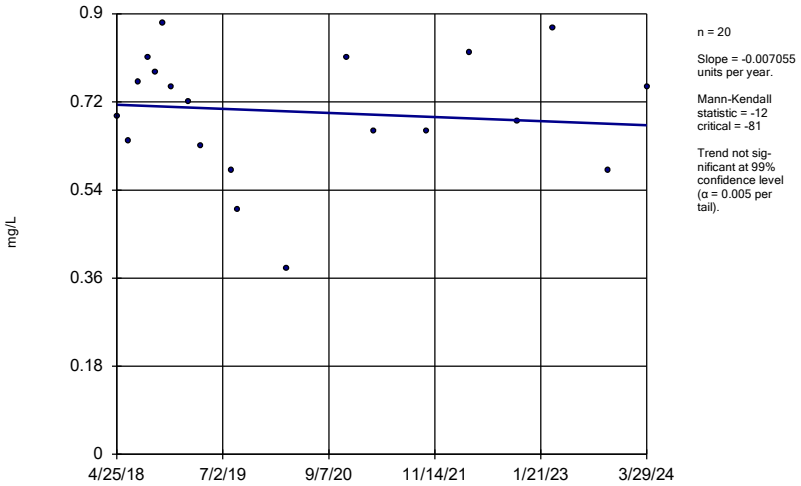
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-10



n = 20

Slope = -0.007055 units per year.

Mann-Kendall statistic = -12
critical = -81

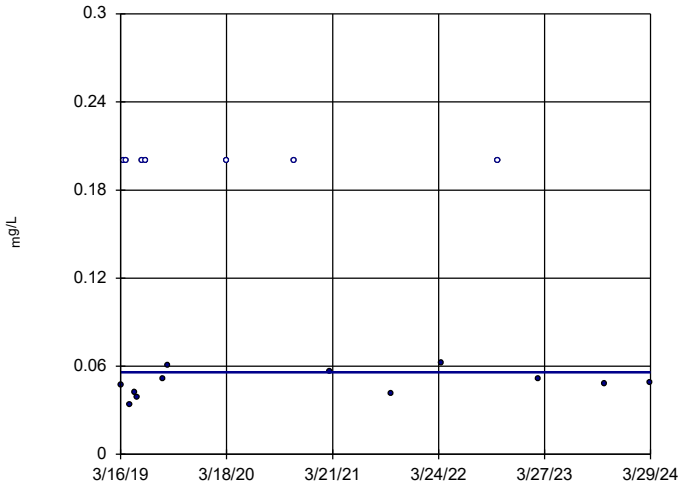
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-11 (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = -3
critical = -74

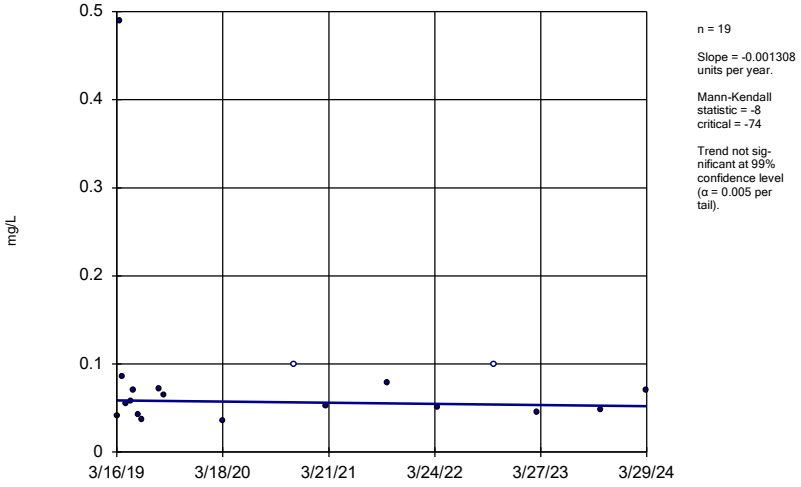
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-12 (bg)



n = 19

Slope = -0.001308 units per year.

Mann-Kendall statistic = -8
critical = -74

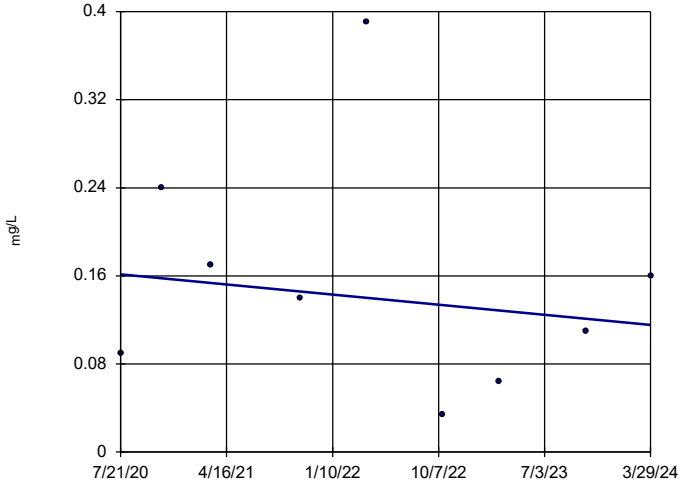
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-13 (bg)



n = 9

Slope = -0.01245 units per year.

Mann-Kendall statistic = -4
critical = -25

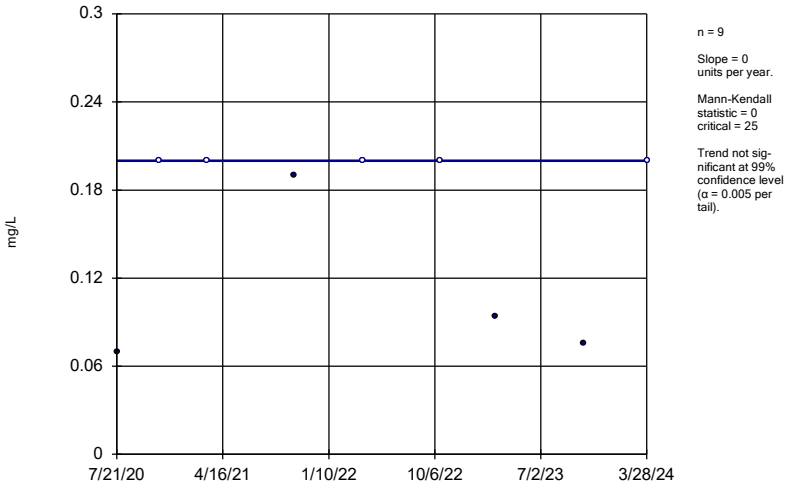
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-14 (bg)



n = 9

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 25

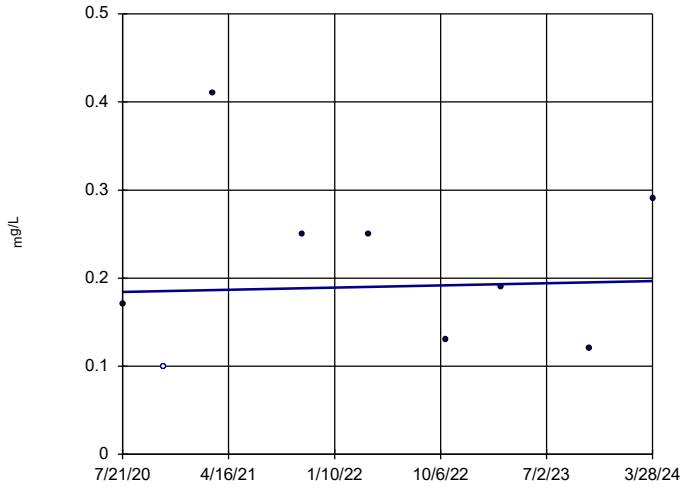
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-15 (bg)



n = 9

Slope = 0.003383 units per year.

Mann-Kendall statistic = 1 critical = 25

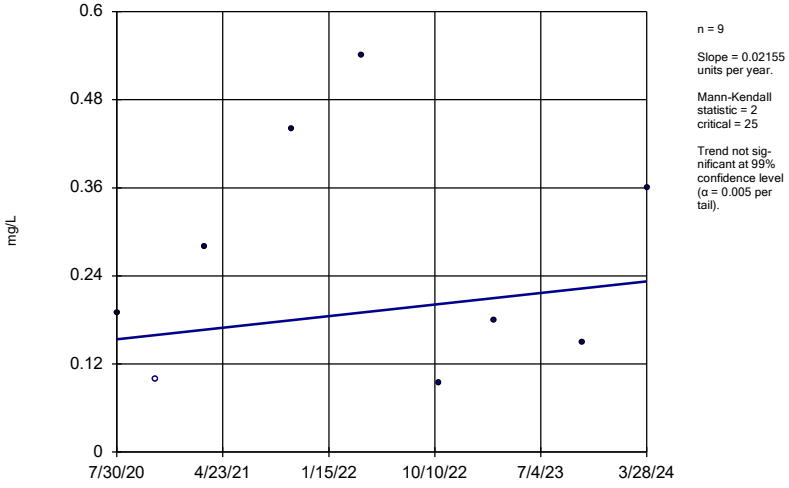
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-16 (bg)



n = 9

Slope = 0.02155 units per year.

Mann-Kendall statistic = 2 critical = 25

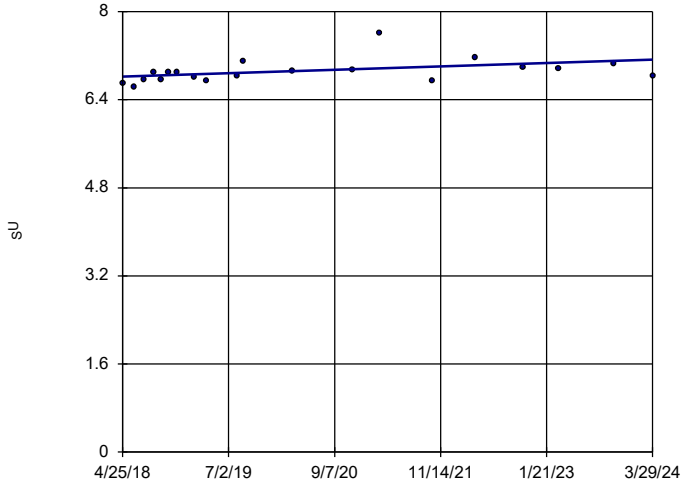
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-10



n = 20

Slope = 0.05188 units per year.

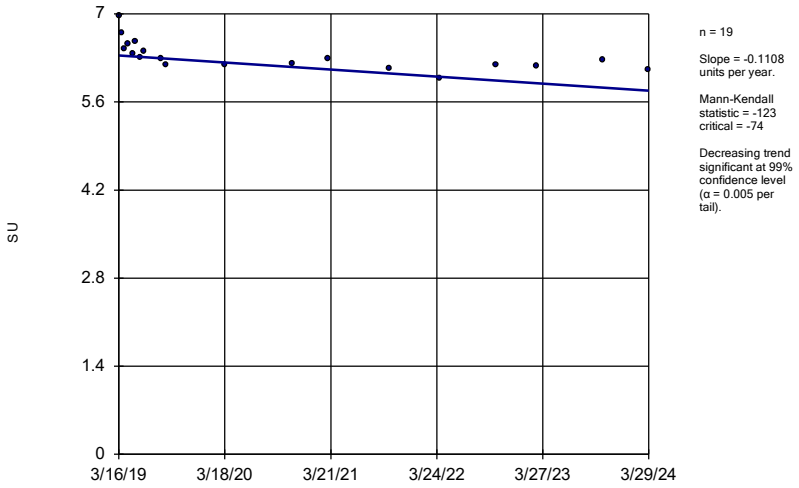
Mann-Kendall statistic = 85 critical = 81

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sen's Slope Estimator

APMW-11 (bg)



n = 19

Slope = -0.1108 units per year.

Mann-Kendall statistic = -123
critical = -74

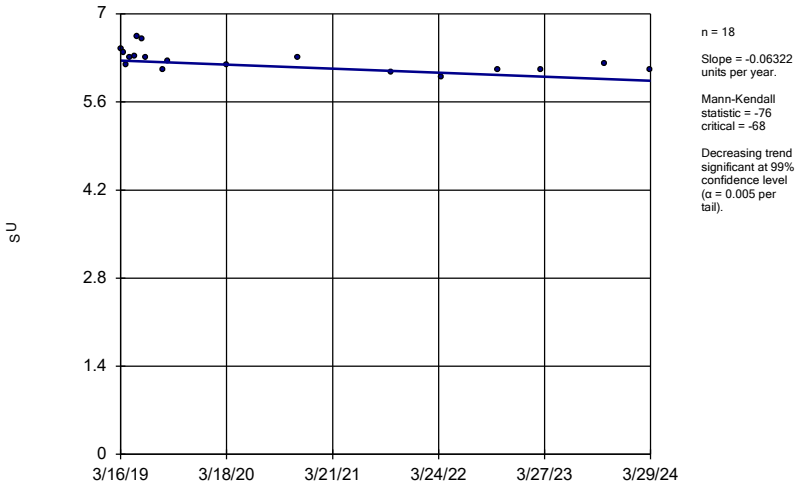
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-12 (bg)



n = 18

Slope = -0.06322 units per year.

Mann-Kendall statistic = -76
critical = -68

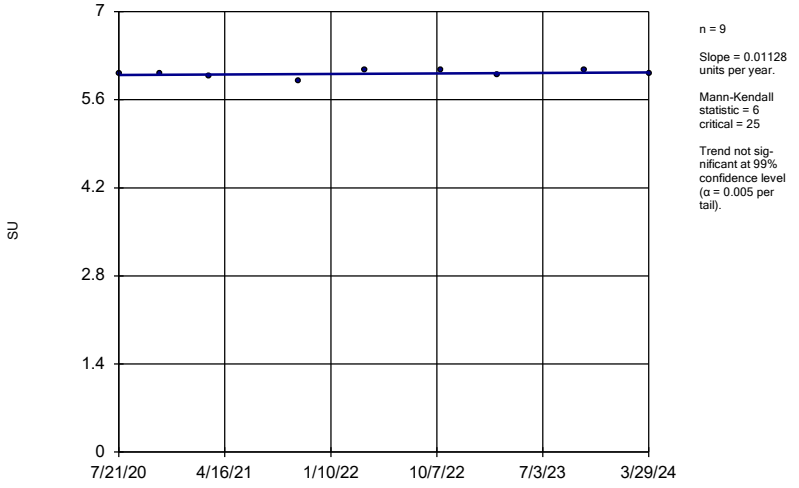
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-13 (bg)



n = 9

Slope = 0.01128 units per year.

Mann-Kendall statistic = 6
critical = 25

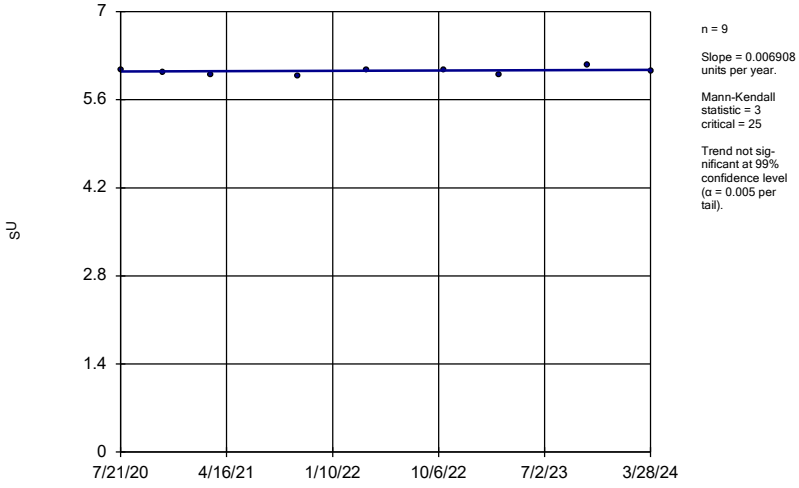
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-14 (bg)



n = 9

Slope = 0.006908 units per year.

Mann-Kendall statistic = 3
critical = 25

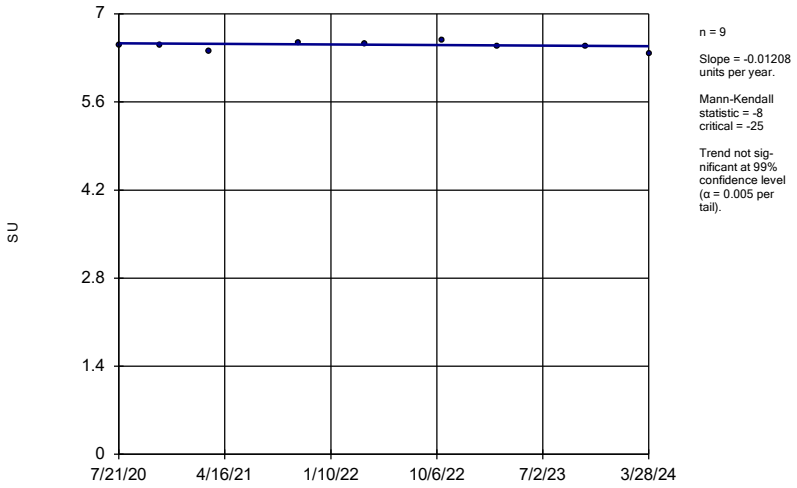
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-15 (bg)



n = 9

Slope = -0.01208 units per year.

Mann-Kendall statistic = -8
critical = -25

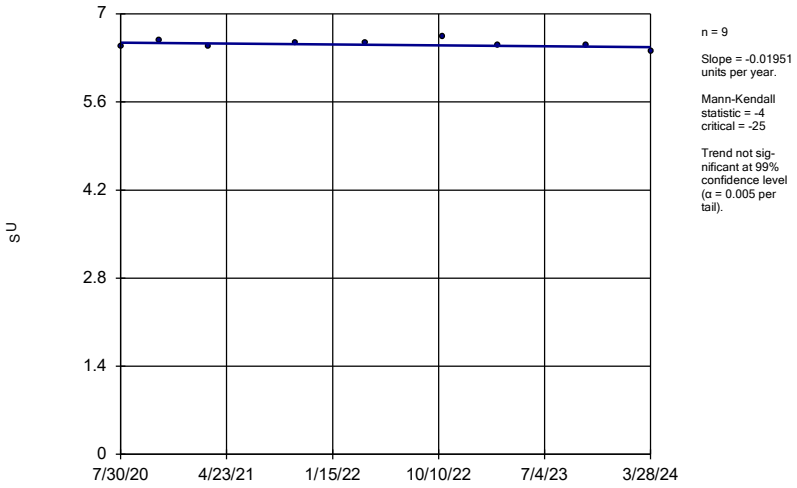
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-16 (bg)



n = 9

Slope = -0.01951 units per year.

Mann-Kendall statistic = -4
critical = -25

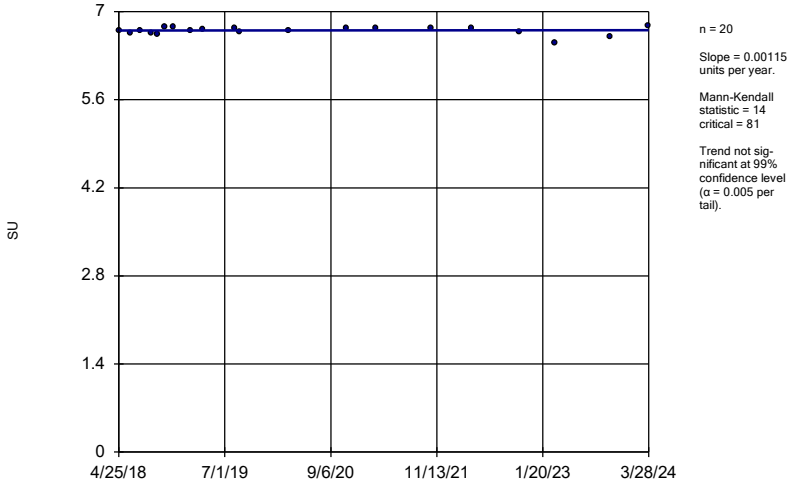
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-8



n = 20

Slope = 0.00115 units per year.

Mann-Kendall statistic = 14
critical = 81

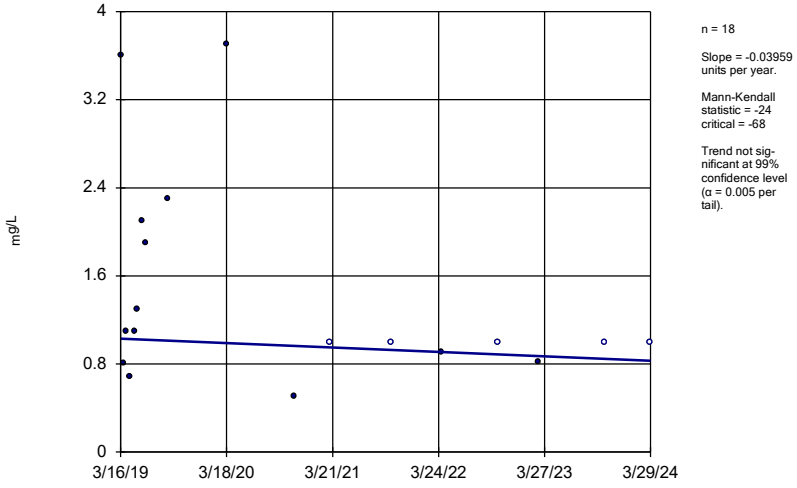
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-11 (bg)



n = 18

Slope = -0.03959 units per year.

Mann-Kendall statistic = -24
critical = -68

Trend not significant at 99% confidence level (α = 0.005 per tail).

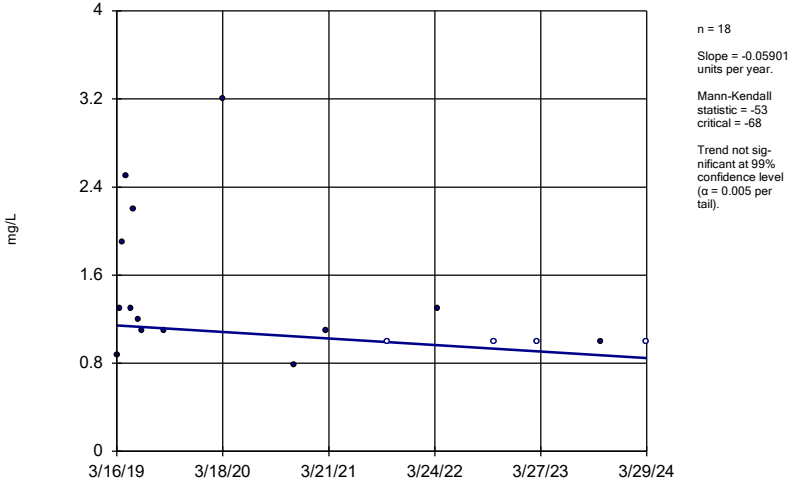
Constituent: Sulfate Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-12 (bg)



n = 18

Slope = -0.05901 units per year.

Mann-Kendall statistic = -53
critical = -68

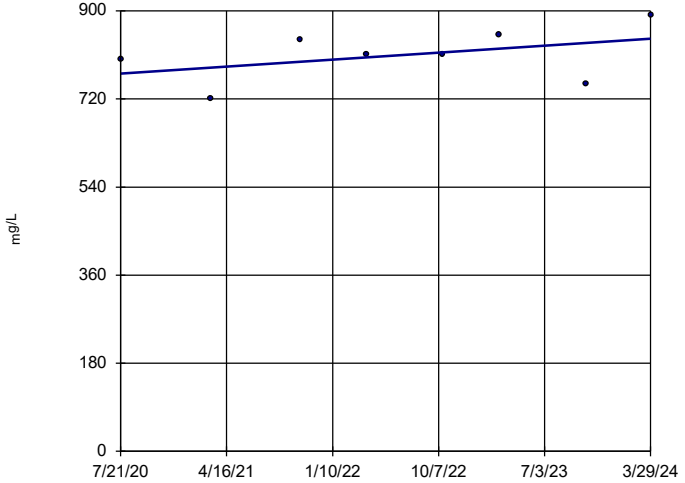
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-13 (bg)



n = 8

Slope = 19.35 units per year.

Mann-Kendall statistic = 11
critical = 21

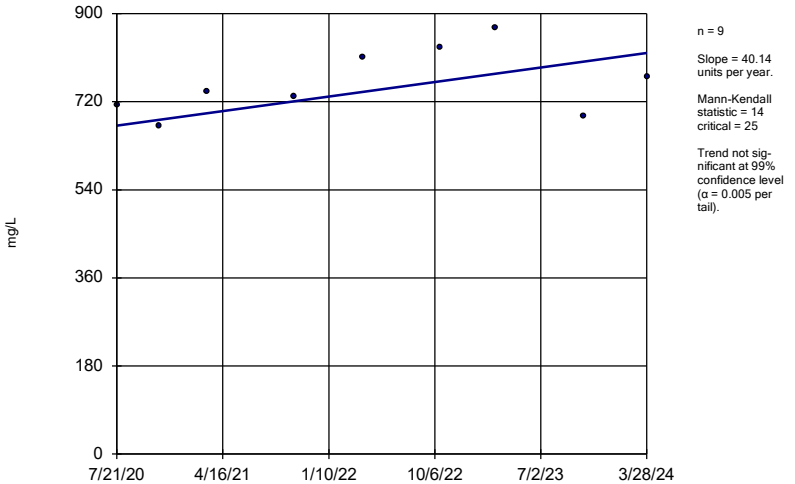
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-14 (bg)



n = 9

Slope = 40.14 units per year.

Mann-Kendall statistic = 14
critical = 25

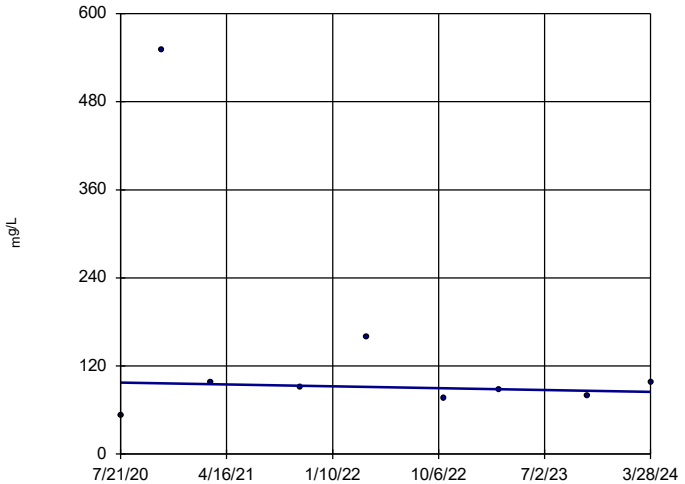
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-15 (bg)



n = 9

Slope = -3.506 units per year.

Mann-Kendall statistic = -3
critical = -25

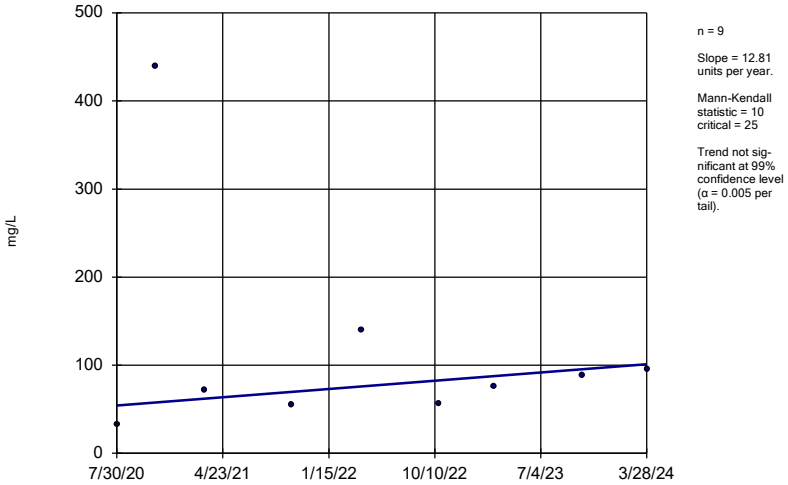
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-16 (bg)



n = 9

Slope = 12.81 units per year.

Mann-Kendall statistic = 10 critical = 25

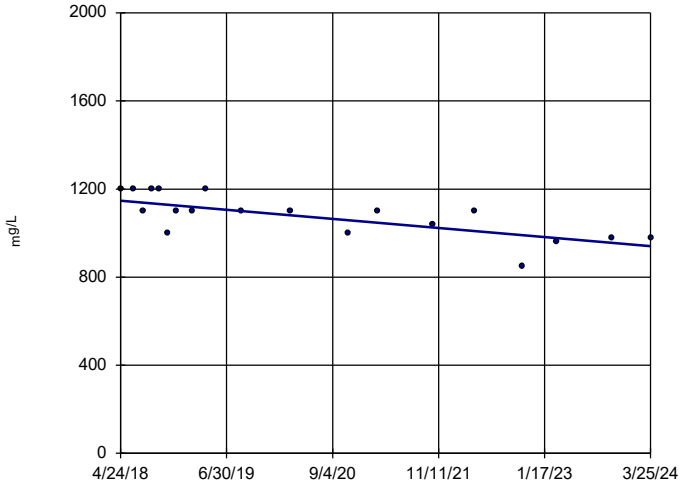
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-3



n = 19

Slope = -34.76 units per year.

Mann-Kendall statistic = -94 critical = -74

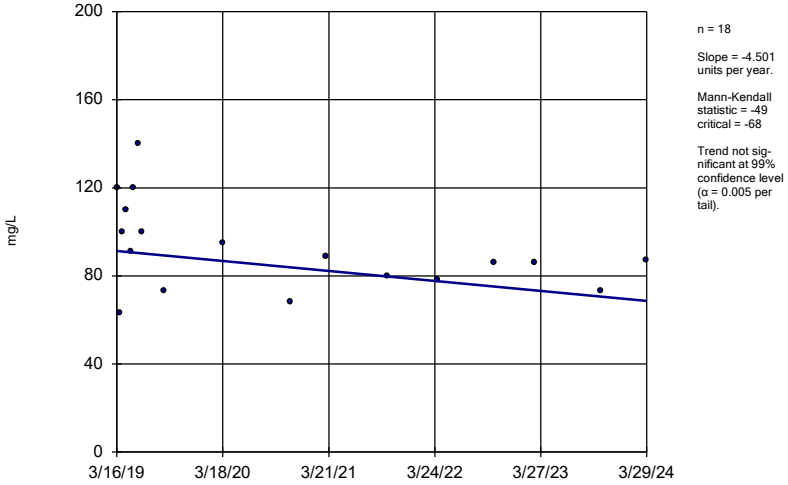
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-11 (bg)



n = 18

Slope = -4.501 units per year.

Mann-Kendall statistic = -49 critical = -68

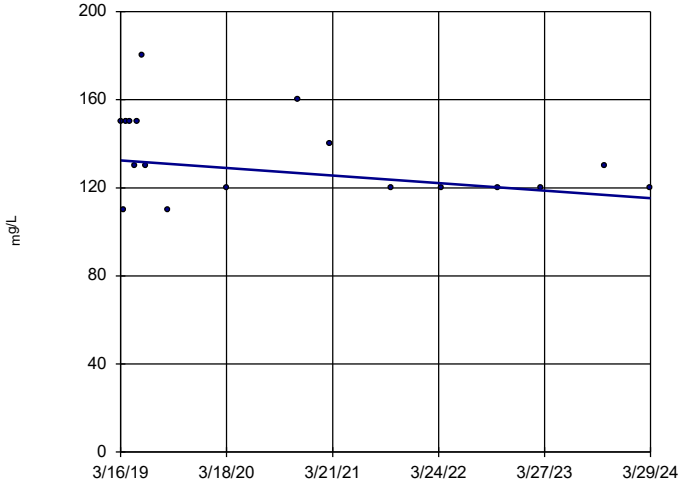
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-12 (bg)



n = 18

Slope = -3.421 units per year.

Mann-Kendall statistic = -38 critical = -68

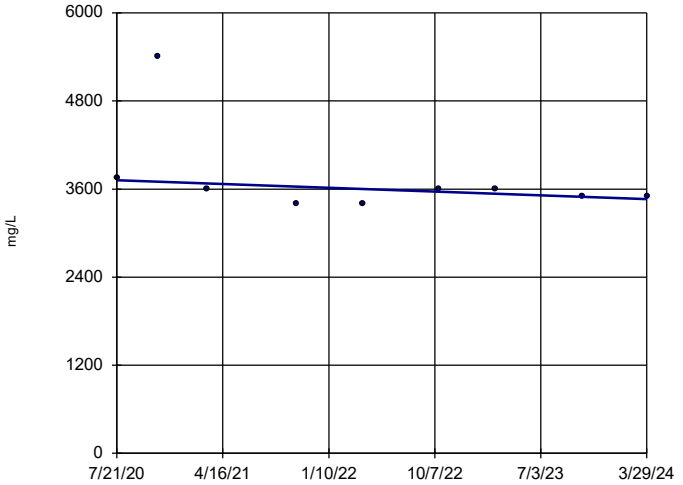
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 5/9/2024 1:30 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-13 (bg)



n = 9

Slope = -69.86 units per year.

Mann-Kendall statistic = -13
critical = -25

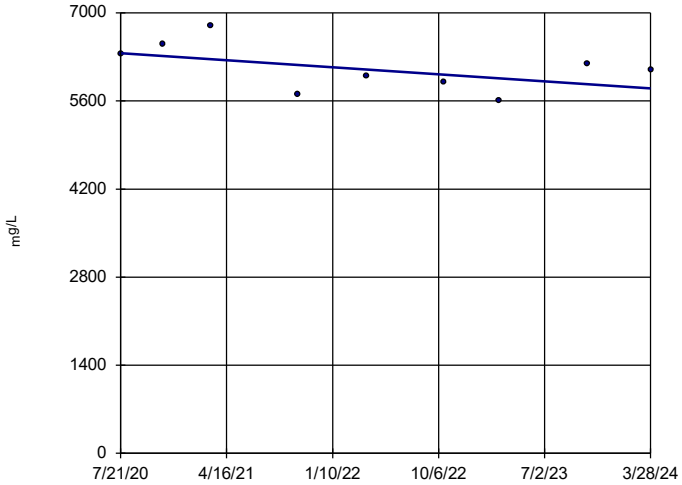
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 5/9/2024 1:31 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-14 (bg)



n = 9

Slope = -152.5 units per year.

Mann-Kendall statistic = -10
critical = -25

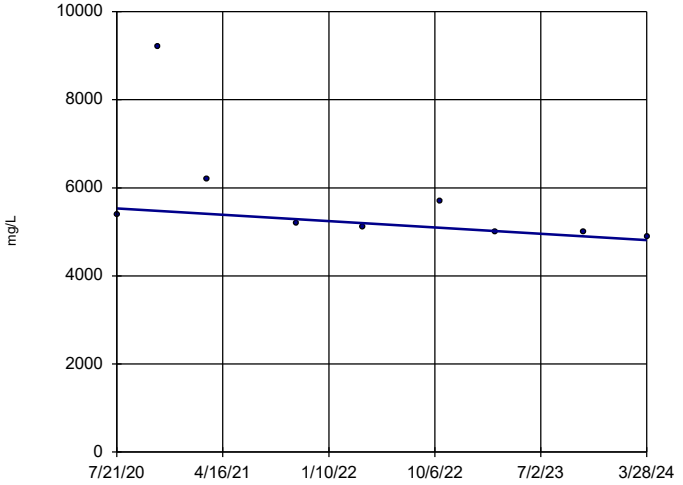
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 5/9/2024 1:31 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-15 (bg)



n = 9

Slope = -195.6 units per year.

Mann-Kendall statistic = -25
critical = -25

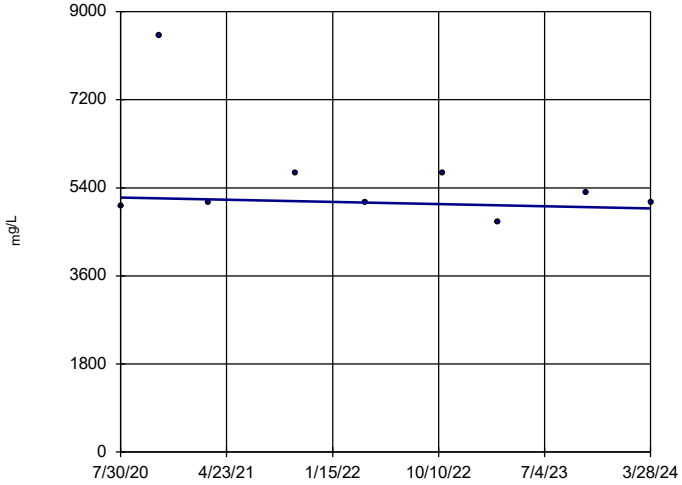
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 5/9/2024 1:31 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-16 (bg)



n = 9

Slope = -61.28 units per year.

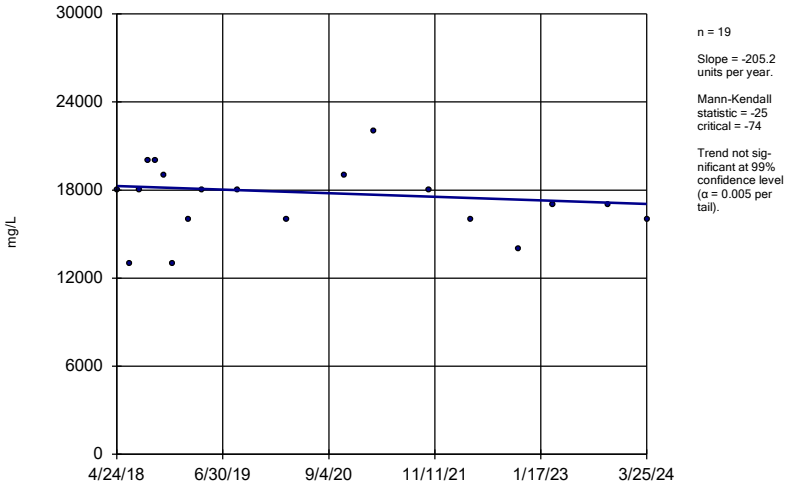
Mann-Kendall statistic = -4
critical = -25

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 5/9/2024 1:31 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sen's Slope Estimator

APMW-3



n = 19

Slope = -205.2 units per year.

Mann-Kendall statistic = -25 critical = -74

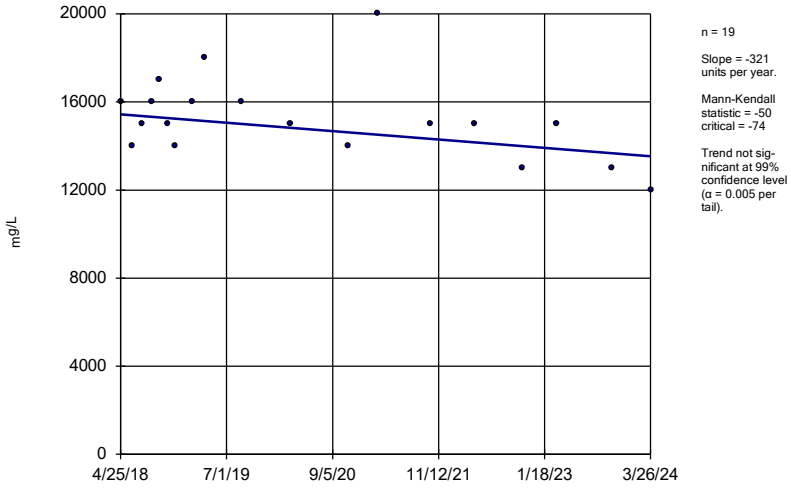
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 5/9/2024 1:31 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-5



n = 19

Slope = -321 units per year.

Mann-Kendall statistic = -50 critical = -74

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 5/9/2024 1:31 PM View: Appendix III - Trend Tests
Plant Watson Data: Plant Watson AP CCR

FIGURE F.

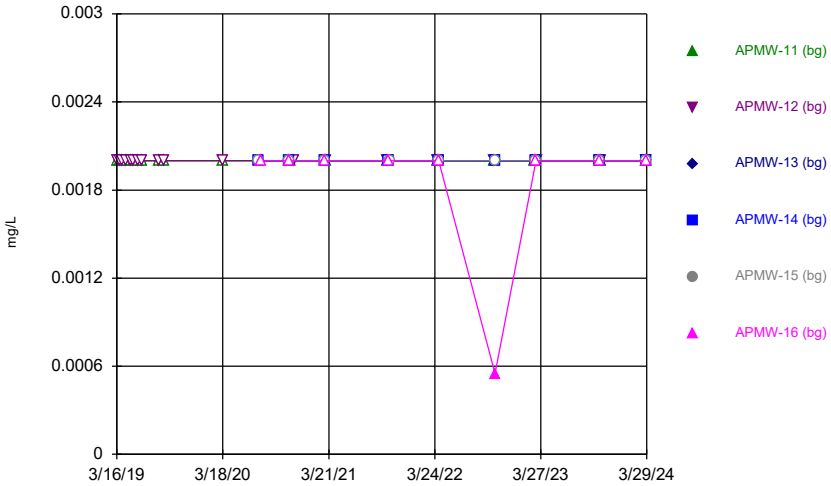
Upper Tolerance Limits Summary Table

Plant Watson Client: Southern Company Data: Plant Watson AP CCR Printed 5/10/2024, 12:27 PM

Constituent	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	0.002	n/a	n/a	n/a	n/a	74	98.65	n/a	0.02247	NP Inter(NDs)
Arsenic (mg/L)	0.005	n/a	n/a	n/a	n/a	74	43.24	n/a	0.02247	NP Inter(normality)
Barium (mg/L)	0.25	n/a	n/a	n/a	n/a	74	0	n/a	0.02247	NP Inter(normality)
Beryllium (mg/L)	0.0025	n/a	n/a	n/a	n/a	74	95.95	n/a	0.02247	NP Inter(NDs)
Cadmium (mg/L)	0.0025	n/a	n/a	n/a	n/a	74	98.65	n/a	0.02247	NP Inter(NDs)
Chromium (mg/L)	0.0044	n/a	n/a	n/a	n/a	70	85.71	n/a	0.02758	NP Inter(NDs)
Cobalt (mg/L)	0.0025	n/a	n/a	n/a	n/a	74	89.19	n/a	0.02247	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	5.863	n/a	n/a	n/a	n/a	74	2.703	x^(1/3)	0.05	Inter
Fluoride (mg/L)	0.54	n/a	n/a	n/a	n/a	74	21.62	n/a	0.02247	NP Inter(normality)
Lead (mg/L)	0.001	n/a	n/a	n/a	n/a	74	97.3	n/a	0.02247	NP Inter(NDs)
Lithium (mg/L)	0.02285	n/a	n/a	n/a	n/a	74	6.757	sqrt(x)	0.05	Inter
Mercury (mg/L)	0.0002	n/a	n/a	n/a	n/a	70	97.14	n/a	0.02758	NP Inter(NDs)
Molybdenum (mg/L)	0.015	n/a	n/a	n/a	n/a	74	97.3	n/a	0.02247	NP Inter(NDs)
Selenium (mg/L)	0.005	n/a	n/a	n/a	n/a	74	100	n/a	0.02247	NP Inter(NDs)
Thallium (mg/L)	0.001	n/a	n/a	n/a	n/a	74	97.3	n/a	0.02247	NP Inter(NDs)

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

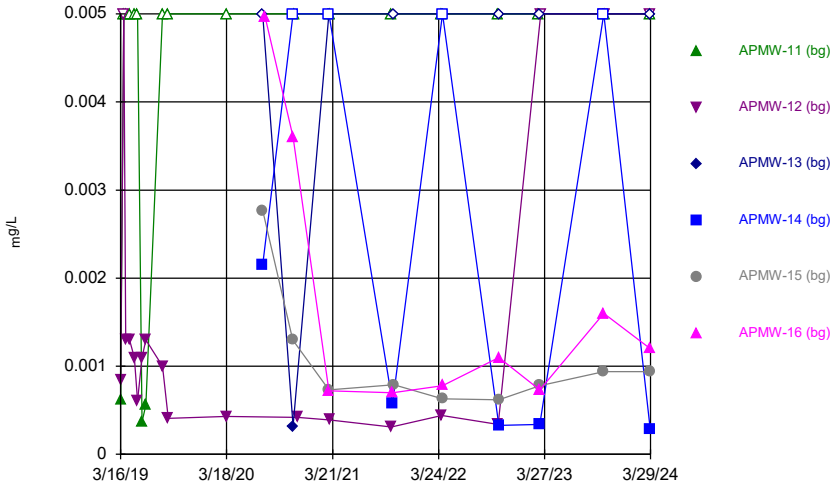
Time Series



Constituent: Antimony Analysis Run 5/10/2024 12:24 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

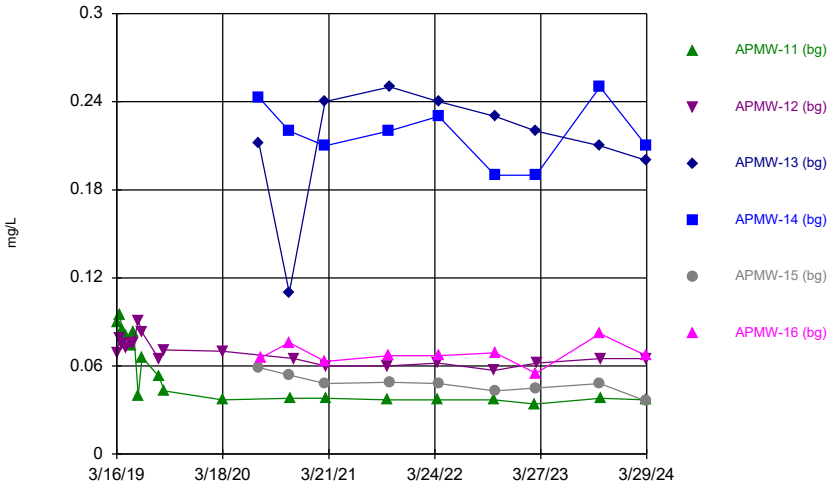
Time Series



Constituent: Arsenic Analysis Run 5/10/2024 12:24 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

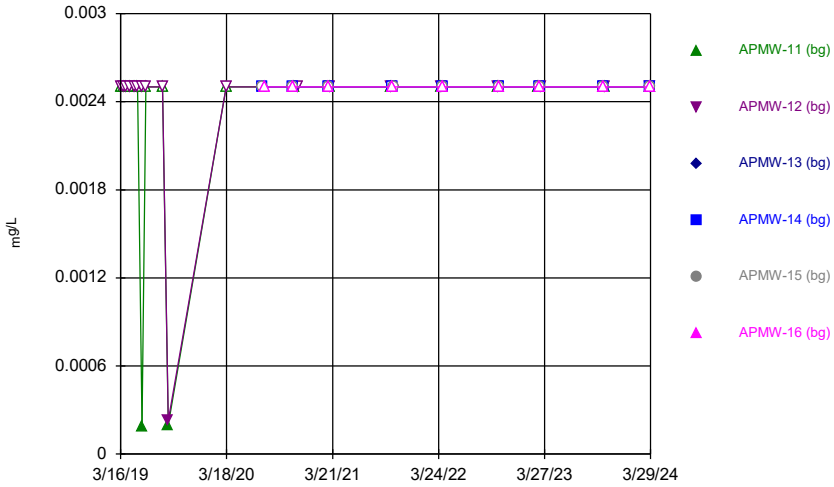
Time Series



Constituent: Barium Analysis Run 5/10/2024 12:24 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

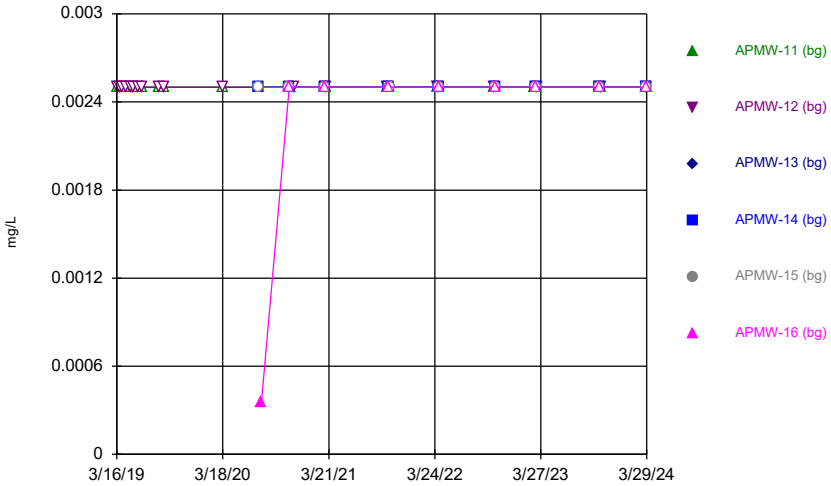
Time Series



Constituent: Beryllium Analysis Run 5/10/2024 12:24 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

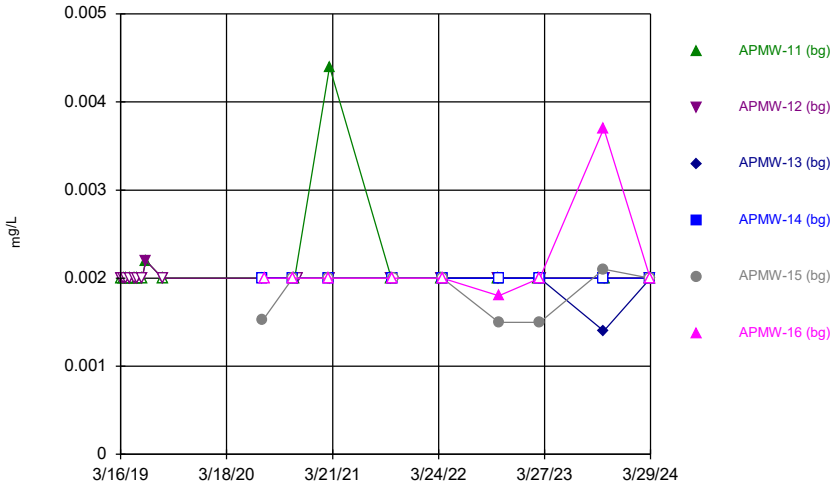
Time Series



Constituent: Cadmium Analysis Run 5/10/2024 12:24 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

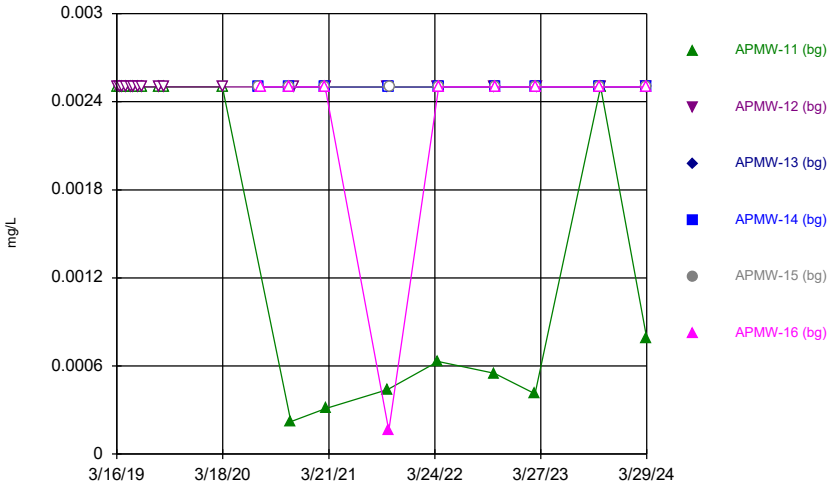
Time Series



Constituent: Chromium Analysis Run 5/10/2024 12:24 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

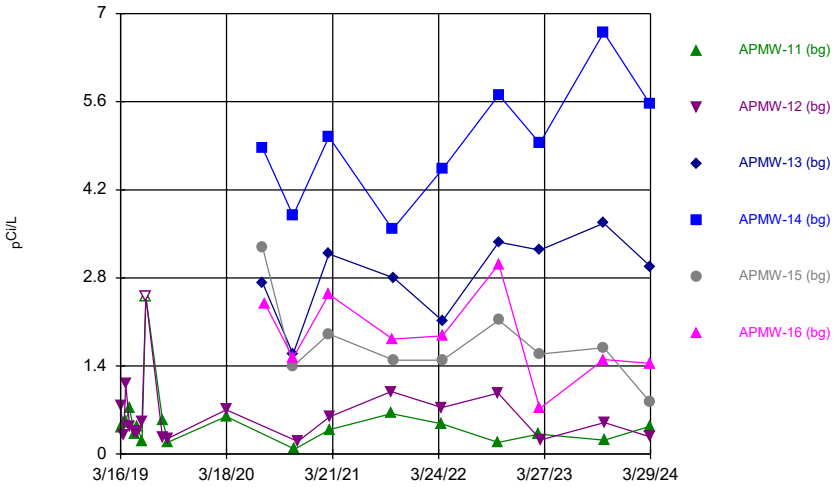
Time Series



Constituent: Cobalt Analysis Run 5/10/2024 12:24 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

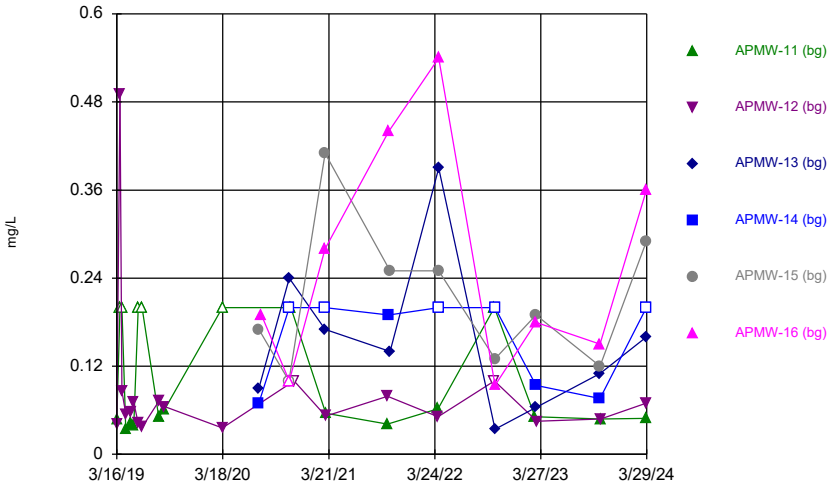
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 5/10/2024 12:24 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

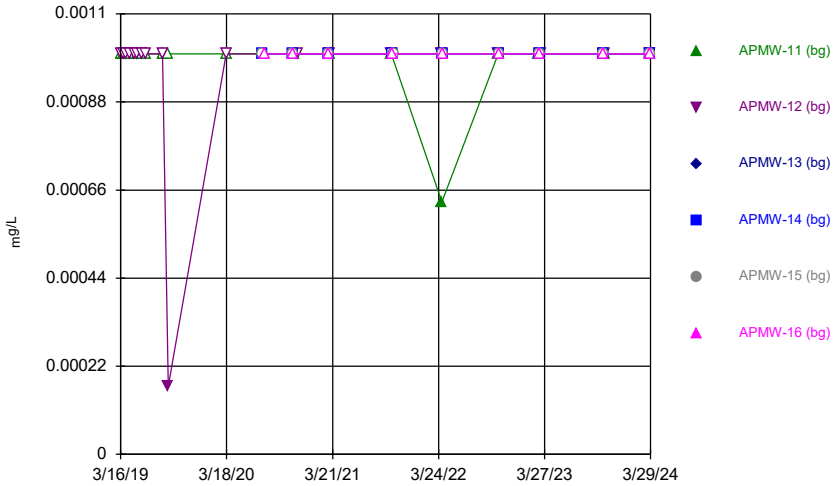
Time Series



Constituent: Fluoride Analysis Run 5/10/2024 12:24 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

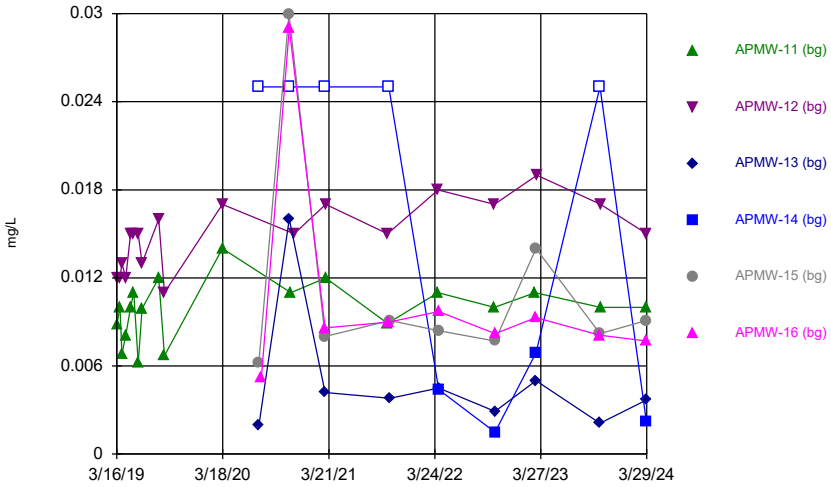
Time Series



Constituent: Lead Analysis Run 5/10/2024 12:24 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

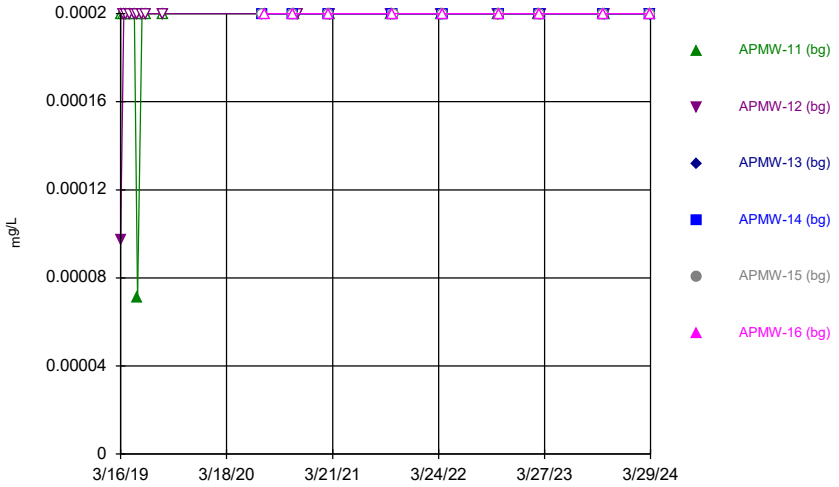
Time Series



Constituent: Lithium Analysis Run 5/10/2024 12:24 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

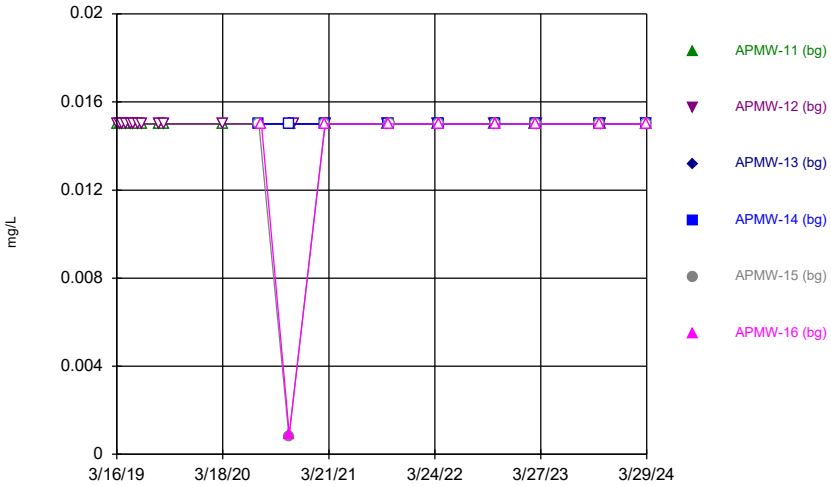
Time Series



Constituent: Mercury Analysis Run 5/10/2024 12:24 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

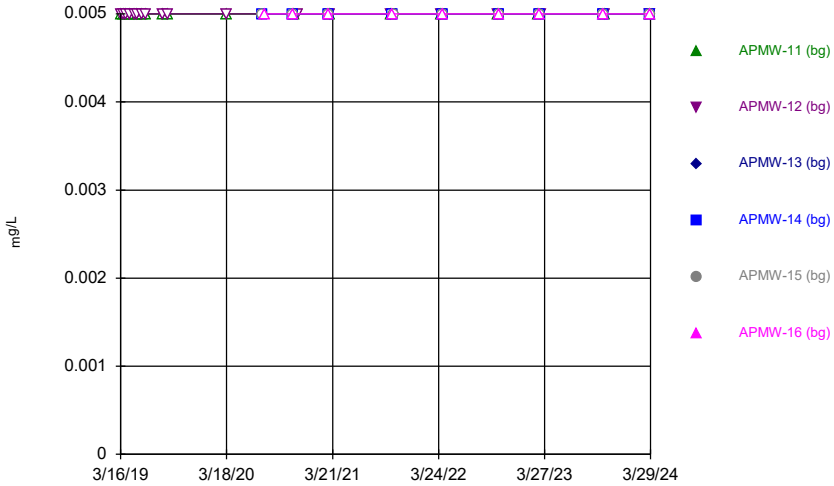
Time Series



Constituent: Molybdenum Analysis Run 5/10/2024 12:24 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

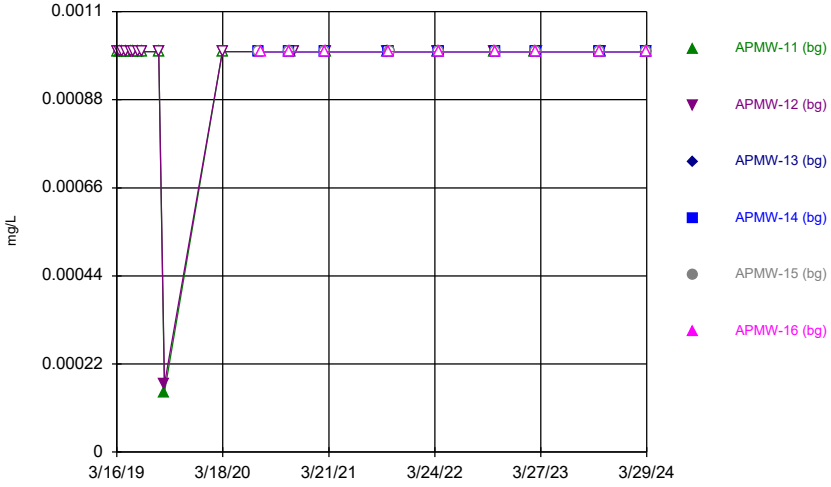
Time Series



Constituent: Selenium Analysis Run 5/10/2024 12:24 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

Time Series

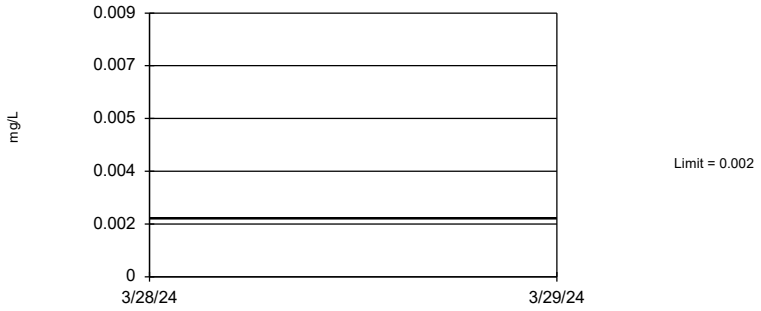


Constituent: Thallium Analysis Run 5/10/2024 12:24 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . 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 74 background values. 98.65% NDs. 93.95% coverage at alpha=0.01; 95.9% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.02247.

Constituent: Antimony Analysis Run 5/10/2024 12:26 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Tolerance Limit

Interwell Non-parametric

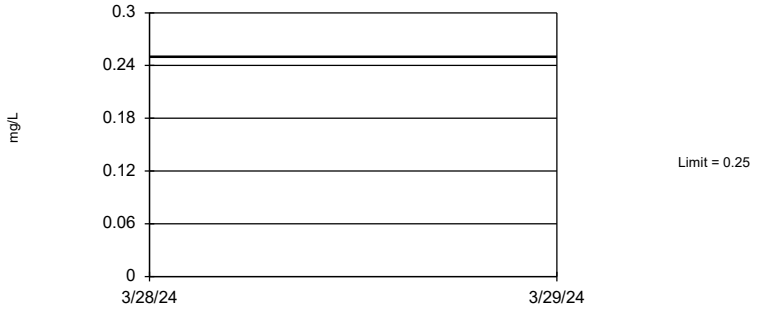
Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 74 background values. 43.24% NDs. 93.95% coverage at alpha=0.01; 95.9% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.02247.

Constituent: Arsenic Analysis Run 5/10/2024 12:26 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Tolerance Limit

Interwell Non-parametric



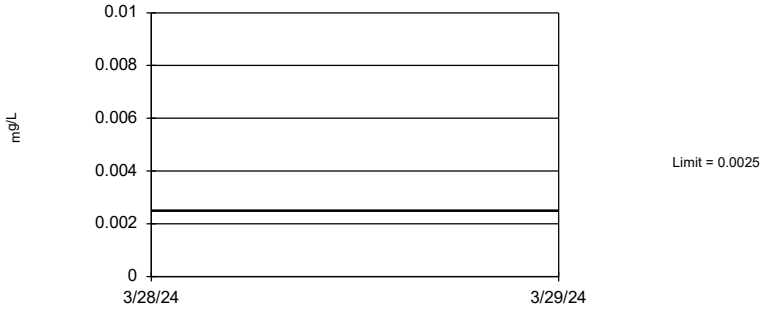
Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 74 background values. 93.95% coverage at alpha=0.01; 95.9% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.02247.

Constituent: Barium Analysis Run 5/10/2024 12:26 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Tolerance Limit

Interwell Non-parametric



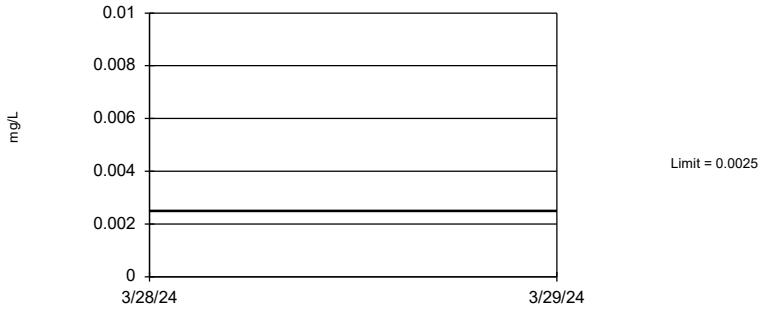
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 74 background values. 95.95% NDs. 93.95% coverage at alpha=0.01; 95.9% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.02247.

Constituent: Beryllium Analysis Run 5/10/2024 12:26 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Tolerance Limit

Interwell Non-parametric



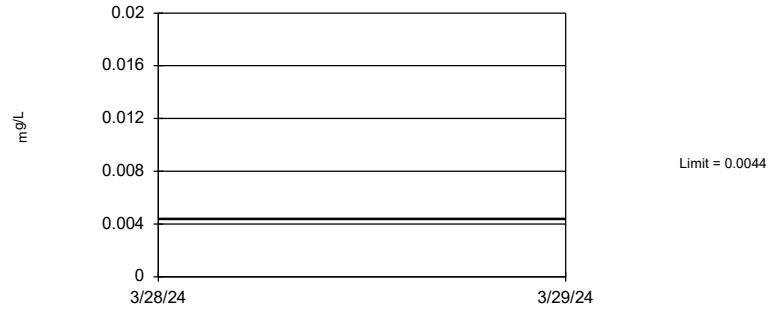
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 74 background values. 98.65% NDs. 93.95% coverage at alpha=0.01; 95.9% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.02247.

Constituent: Cadmium Analysis Run 5/10/2024 12:26 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Tolerance Limit

Interwell Non-parametric



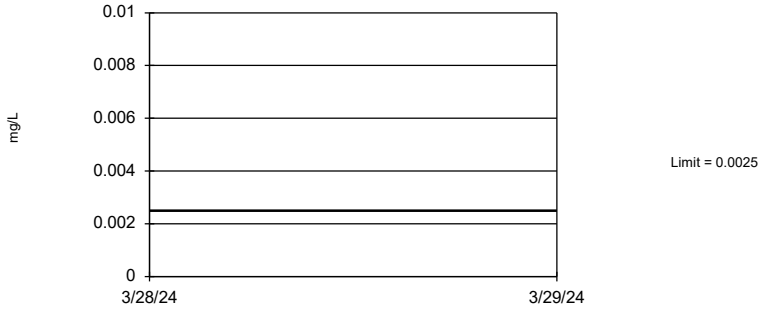
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 70 background values. 85.71% NDs. 93.55% coverage at alpha=0.01; 95.9% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.02758.

Constituent: Chromium Analysis Run 5/10/2024 12:26 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Tolerance Limit

Interwell Non-parametric



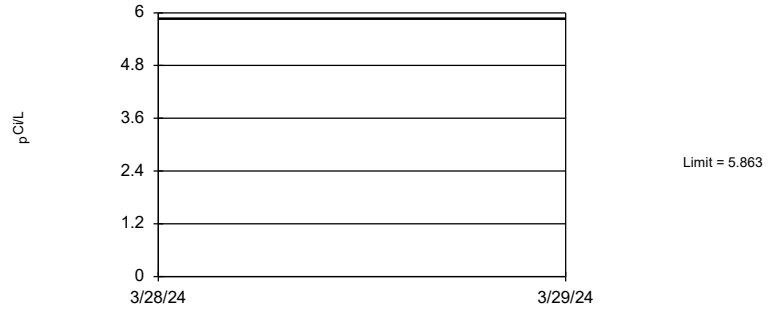
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 74 background values. 89.19% NDs. 93.95% coverage at alpha=0.01; 95.9% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.02247.

Constituent: Cobalt Analysis Run 5/10/2024 12:26 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Tolerance Limit

Interwell Parametric



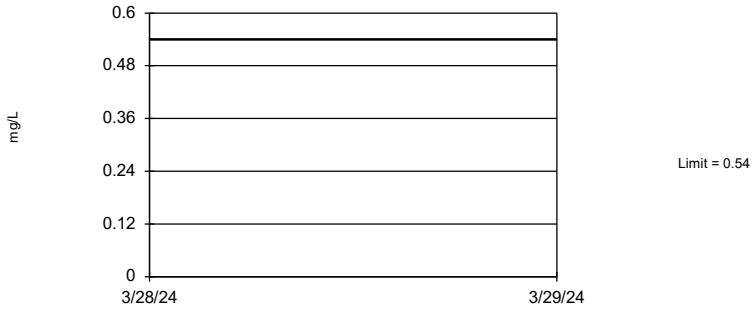
95% coverage. Background Data Summary (based on cube root transformation): Mean=1.073, Std. Dev.=0.3697, n=74, 2.703% NDs. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9616, critical = 0.956. Report alpha = 0.05.

Constituent: Combined Radium 226 + 228 Analysis Run 5/10/2024 12:26 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Tolerance Limit

Interwell Non-parametric



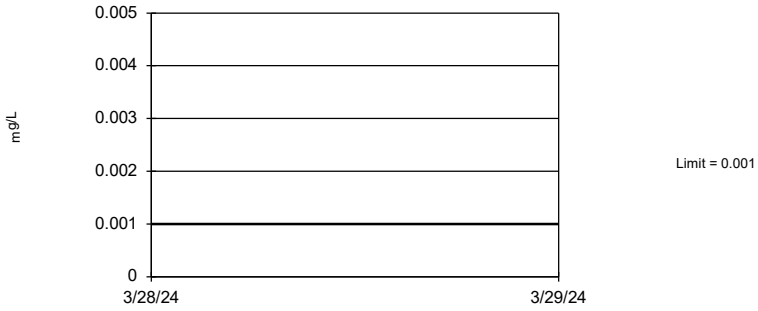
Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 74 background values. 21.62% NDs. 93.95% coverage at alpha=0.01; 95.9% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.02247.

Constituent: Fluoride Analysis Run 5/10/2024 12:26 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Tolerance Limit

Interwell Non-parametric



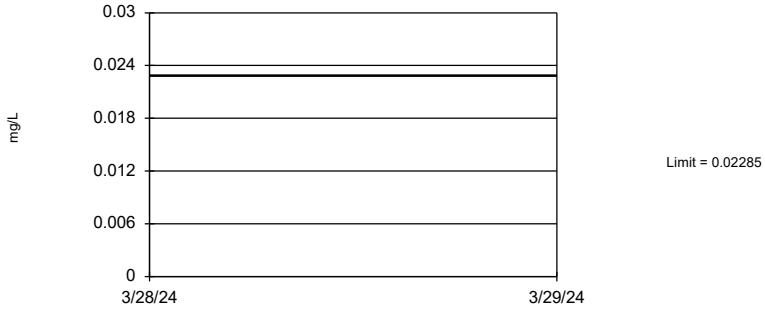
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 74 background values. 97.3% NDs. 93.95% coverage at alpha=0.01; 95.9% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.02247.

Constituent: Lead Analysis Run 5/10/2024 12:26 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Tolerance Limit

Interwell Parametric



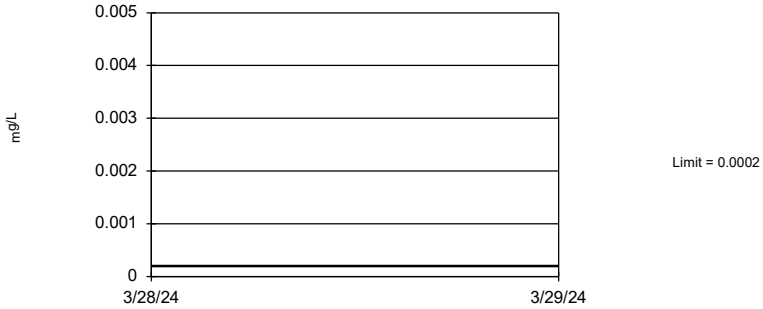
95% coverage. Background Data Summary (based on square root transformation): Mean=0.09997, Std. Dev.=0.02593, n=74, 6.757% NDs. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9674, critical = 0.956. Report alpha = 0.05.

Constituent: Lithium Analysis Run 5/10/2024 12:26 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Tolerance Limit

Interwell Non-parametric



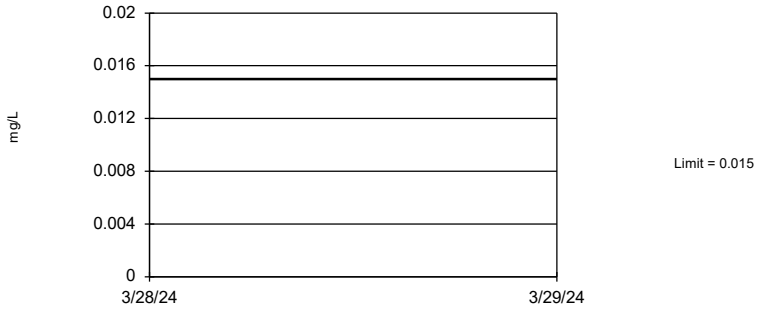
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 70 background values. 97.14% NDs. 93.55% coverage at alpha=0.01; 95.9% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.02758.

Constituent: Mercury Analysis Run 5/10/2024 12:27 PM View: Appendix IV - UTLs
Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . 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 74 background values. 97.3% NDs. 93.95% coverage at alpha=0.01; 95.9% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.02247.

Constituent: Molybdenum Analysis Run 5/10/2024 12:27 PM View: Appendix IV - UTLs

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . 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. 93.95% coverage at alpha=0.01; 95.9% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.02247.

Constituent: Selenium Analysis Run 5/10/2024 12:27 PM View: Appendix IV - UTLs

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . 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 74 background values. 97.3% NDs. 93.95% coverage at alpha=0.01; 95.9% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.02247.

Constituent: Thallium Analysis Run 5/10/2024 12:27 PM View: Appendix IV - UTLs

Plant Watson Client: Southern Company Data: Plant Watson AP CCR

FIGURE G.

PLANT WATSON AP CCR GWPS TABLE				
Constituent Name	**MCL**	**CCR Rule-Specified**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.002	0.006
Arsenic, Total (mg/L)	0.01		0.005	0.01
Barium, Total (mg/L)	2		0.25	2
Beryllium, Total (mg/L)	0.004		0.0025	0.004
Cadmium, Total (mg/L)	0.005		0.0025	0.005
Chromium, Total (mg/L)	0.1		0.0044	0.1
Cobalt, Total (mg/L)		0.006	0.0025	0.006
Combined Radium, Total (pCi/L)	5		5.86	5.86
Fluoride, Total (mg/L)	4		0.54	4
Lead, Total (mg/L)		0.015	0.001	0.015
Lithium, Total (mg/L)		0.04	0.023	0.04
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)		0.1	0.015	0.1
Selenium, Total (mg/L)	0.05		0.005	0.05
Thallium, Total (mg/L)	0.002		0.001	0.002

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residuals*

**GWPS = Groundwater Protection Standard*

**Grey cell indicates background limit is higher than CCR Rule Specified or MCL*

FIGURE H.

Confidence Intervals Summary Table - Significant Results

Plant Watson Data: Plant Watson AP CCR Printed 5/13/2024, 4:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	**APMW-10**	**0.12**	**0.037**	**0.01**	**Yes**	**19**	**0.0381**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Arsenic (mg/L)	**APMW-3**	**0.08001**	**0.06131**	**0.01**	**Yes**	**19**	**0.01597**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**APMW-5**	**0.2352**	**0.2111**	**0.01**	**Yes**	**19**	**0.02056**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**APMW-5D**	**0.0186**	**0.0113**	**0.01**	**Yes**	**9**	**0.003781**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**APMW-6R**	**0.209**	**0.1435**	**0.01**	**Yes**	**19**	**0.05588**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**APMW-8**	**0.0678**	**0.03223**	**0.01**	**Yes**	**19**	**0.02982**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Barium (mg/L)	**APMW-2**	**3.504**	**3.065**	**2**	**Yes**	**19**	**0.3746**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-1R**	**11.6**	**7.64**	**5.86**	**Yes**	**19**	**3.383**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-2**	**20.26**	**18.12**	**5.86**	**Yes**	**19**	**1.827**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-4D**	**9.32**	**7.233**	**5.86**	**Yes**	**9**	**1.081**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-9**	**8.92**	**6.71**	**5.86**	**Yes**	**19**	**0.929**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Lithium (mg/L)	**APMW-3**	**0.08258**	**0.07013**	**0.04**	**Yes**	**19**	**0.01111**	**0**	**None**	**x^(1/3)**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-4**	**0.05966**	**0.04787**	**0.04**	**Yes**	**19**	**0.01045**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-4D**	**0.0872**	**0.04795**	**0.04**	**Yes**	**9**	**0.02033**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-6R**	**0.05775**	**0.05314**	**0.04**	**Yes**	**19**	**0.003933**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-8**	**0.095**	**0.071**	**0.04**	**Yes**	**19**	**0.02299**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Molybdenum (mg/L)	**APMW-4D**	**0.314**	**0.1698**	**0.1**	**Yes**	**9**	**0.07471**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	**APMW-6R**	**0.5071**	**0.3916**	**0.1**	**Yes**	**19**	**0.1032**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**

Confidence Intervals Summary Table - All Results

Plant Watson Data: Plant Watson AP CCR Printed 5/13/2024, 4:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	APMW-10D	0.002	0.00053	0.006	No	9	0.00049	88.89	None	No	0.002	NP (NDs)
Antimony (mg/L)	APMW-2	0.002	0.0014	0.006	No	19	0.0001376	94.74	None	No	0.01	NP (NDs)
Antimony (mg/L)	APMW-3	0.002	0.00059	0.006	No	19	0.0003235	94.74	None	No	0.01	NP (NDs)
Antimony (mg/L)	APMW-6D	0.002	0.00075	0.006	No	9	0.0004167	88.89	None	No	0.002	NP (NDs)
Antimony (mg/L)	APMW-8	0.002	0.00066	0.006	No	19	0.0003074	94.74	None	No	0.01	NP (NDs)
Arsenic (mg/L)	**APMW-10**	**0.12**	**0.037**	**0.01**	**Yes**	**19**	**0.0381**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Arsenic (mg/L)	APMW-10D	0.01496	0.004928	0.01	No	9	0.005195	11.11	None	No	0.01	Param.
Arsenic (mg/L)	APMW-1R	0.001529	0.0006402	0.01	No	19	0.00157	15.79	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	APMW-2	0.005	0.0012	0.01	No	19	0.001759	78.95	Kaplan-Meier	No	0.01	NP (NDs)
Arsenic (mg/L)	APMW-2D	0.003438	0.002638	0.01	No	9	0.0004145	0	None	No	0.01	Param.
Arsenic (mg/L)	**APMW-3**	**0.08001**	**0.06131**	**0.01**	**Yes**	**19**	**0.01597**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	APMW-3D	0.003797	0.002625	0.01	No	9	0.0006071	0	None	No	0.01	Param.
Arsenic (mg/L)	APMW-4	0.018	0.0076	0.01	No	19	0.004784	0	None	No	0.01	NP (normality)
Arsenic (mg/L)	APMW-4D	0.005939	0.002957	0.01	No	9	0.001544	0	None	No	0.01	Param.
Arsenic (mg/L)	**APMW-5**	**0.2352**	**0.2111**	**0.01**	**Yes**	**19**	**0.02056**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**APMW-5D**	**0.0186**	**0.0113**	**0.01**	**Yes**	**9**	**0.003781**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	APMW-6D	0.00536	0.0038	0.01	No	9	0.0008075	0	None	No	0.01	Param.
Arsenic (mg/L)	**APMW-6R**	**0.209**	**0.1435**	**0.01**	**Yes**	**19**	**0.05588**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	APMW-7	0.0015	0.00048	0.01	No	19	0.0008336	0	None	No	0.01	NP (normality)
Arsenic (mg/L)	**APMW-8**	**0.0678**	**0.03223**	**0.01**	**Yes**	**19**	**0.02982**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Arsenic (mg/L)	APMW-8D	0.004022	0.001932	0.01	No	9	0.001083	0	None	No	0.01	Param.
Arsenic (mg/L)	APMW-9	0.001393	0.001175	0.01	No	19	0.0001864	0	None	No	0.01	Param.
Barium (mg/L)	APMW-10	0.3172	0.2522	2	No	19	0.05551	0	None	No	0.01	Param.
Barium (mg/L)	APMW-10D	0.03234	0.01993	2	No	9	0.008485	11.11	None	x^2	0.01	Param.
Barium (mg/L)	APMW-1R	1.6	0.93	2	No	19	0.3387	0	None	No	0.01	NP (normality)
Barium (mg/L)	**APMW-2**	**3.504**	**3.065**	**2**	**Yes**	**19**	**0.3746**	**0**	**None**	**No**	**0.01**	**Param.**
Barium (mg/L)	APMW-2D	0.068	0.037	2	No	9	0.01332	0	None	No	0.002	NP (normality)
Barium (mg/L)	APMW-3	0.11	0.097	2	No	19	0.009411	0	None	No	0.01	NP (normality)
Barium (mg/L)	APMW-3D	0.1845	0.1478	2	No	9	0.019	0	None	No	0.01	Param.
Barium (mg/L)	APMW-4	0.5	0.21	2	No	19	0.1453	0	None	No	0.01	NP (normality)
Barium (mg/L)	APMW-4D	0.342	0.082	2	No	9	0.09258	0	None	No	0.002	NP (normality)
Barium (mg/L)	APMW-5	0.1066	0.09735	2	No	19	0.007898	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	APMW-5D	0.06288	0.04377	2	No	9	0.009896	0	None	No	0.01	Param.
Barium (mg/L)	APMW-6D	0.1586	0.0801	2	No	9	0.04064	0	None	No	0.01	Param.
Barium (mg/L)	APMW-6R	0.06148	0.04988	2	No	19	0.009905	0	None	No	0.01	Param.
Barium (mg/L)	APMW-7	0.8248	0.6342	2	No	19	0.1628	0	None	No	0.01	Param.
Barium (mg/L)	APMW-8	0.24	0.21	2	No	19	0.02888	0	None	No	0.01	NP (normality)
Barium (mg/L)	APMW-8D	0.1553	0.08449	2	No	9	0.03666	0	None	No	0.01	Param.
Barium (mg/L)	APMW-9	0.5	0.42	2	No	19	0.05776	0	None	No	0.01	NP (normality)
Beryllium (mg/L)	APMW-10	0.0025	0.00076	0.004	No	19	0.0006032	89.47	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-10D	0.0025	0.00057	0.004	No	9	0.0006433	88.89	None	No	0.002	NP (NDs)
Beryllium (mg/L)	APMW-1R	0.0025	0.00019	0.004	No	19	0.00053	94.74	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-2	0.0025	0.00061	0.004	No	19	0.0009123	78.95	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-3	0.0025	0.00018	0.004	No	19	0.0005322	94.74	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-6R	0.0025	0.00036	0.004	No	19	0.0004909	94.74	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-7	0.0025	0.00025	0.004	No	19	0.0005162	94.74	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-8	0.0025	0.00038	0.004	No	19	0.0006812	89.47	None	No	0.01	NP (NDs)
Beryllium (mg/L)	APMW-9	0.0025	0.00049	0.004	No	19	0.000813	84.21	None	No	0.01	NP (NDs)
Cadmium (mg/L)	APMW-10	0.0025	0.00025	0.005	No	19	0.0005162	94.74	None	No	0.01	NP (NDs)
Cadmium (mg/L)	APMW-10D	0.0025	0.00025	0.005	No	9	0.00075	88.89	None	No	0.002	NP (NDs)
Cadmium (mg/L)	APMW-1R	0.0025	0.00045	0.005	No	19	0.0004703	94.74	None	No	0.01	NP (NDs)
Cadmium (mg/L)	APMW-6R	0.0025	0.00026	0.005	No	19	0.0007255	89.47	None	No	0.01	NP (NDs)
Chromium (mg/L)	APMW-1R	0.0032	0.002	0.1	No	17	0.000291	94.12	None	No	0.01	NP (NDs)
Chromium (mg/L)	APMW-2D	0.002	0.00157	0.1	No	9	0.0001433	88.89	None	No	0.002	NP (NDs)
Chromium (mg/L)	APMW-3	0.002	0.0014	0.1	No	17	0.0001455	94.12	None	No	0.01	NP (NDs)
Chromium (mg/L)	APMW-4	0.002125	0.001513	0.1	No	17	0.0004093	41.18	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	APMW-4D	0.0066	0.002	0.1	No	9	0.001533	88.89	Kaplan-Meier	No	0.002	NP (NDs)
Chromium (mg/L)	APMW-5	0.0024	0.0014	0.1	No	17	0.0003545	64.71	Kaplan-Meier	No	0.01	NP (NDs)
Chromium (mg/L)	APMW-5D	0.00378	0.0019	0.1	No	9	0.0005984	77.78	Kaplan-Meier	No	0.002	NP (NDs)
Chromium (mg/L)	APMW-7	0.0022	0.0014	0.1	No	17	0.0003018	58.82	Kaplan-Meier	No	0.01	NP (NDs)
Chromium (mg/L)	APMW-8	0.0032	0.0014	0.1	No	17	0.0003334	88.24	Kaplan-Meier	No	0.01	NP (NDs)
Cobalt (mg/L)	APMW-10	0.0025	0.00033	0.006	No	19	0.0008713	84.21	None	No	0.01	NP (NDs)
Cobalt (mg/L)	APMW-10D	0.0025	0.00028	0.006	No	9	0.00074	88.89	None	No	0.002	NP (NDs)
Cobalt (mg/L)	APMW-1R	0.0025	0.0004	0.006	No	19	0.001083	57.89	None	No	0.01	NP (NDs)
Cobalt (mg/L)	APMW-3	0.00303	0.002412	0.006	No	19	0.0005277	0	None	No	0.01	Param.
Cobalt (mg/L)	APMW-3D	0.0025	0.00021	0.006	No	9	0.0007633	88.89	None	No	0.002	NP (NDs)
Cobalt (mg/L)	APMW-4	0.003645	0.002965	0.006	No	19	0.0005807	0	None	No	0.01	Param.
Cobalt (mg/L)	APMW-4D	0.006853	0.003194	0.006	No	9	0.001895	0	None	No	0.01	Param.

Confidence Intervals Summary Table - All Results

Plant Watson Data: Plant Watson AP CCR Printed 5/13/2024, 4:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	APMW-5	0.0025	0.000079	0.006	No	19	0.000764	89.47	None	No	0.01	NP (NDs)
Cobalt (mg/L)	APMW-5D	0.0011	0.00027	0.006	No	9	0.0002742	0	None	No	0.002	NP (normality)
Cobalt (mg/L)	APMW-6D	0.0025	0.00021	0.006	No	9	0.0007633	88.89	None	No	0.002	NP (NDs)
Cobalt (mg/L)	APMW-6R	0.003417	0.002235	0.006	No	19	0.001009	0	None	No	0.01	Param.
Cobalt (mg/L)	APMW-7	0.0025	0.00025	0.006	No	19	0.001138	52.63	None	No	0.01	NP (NDs)
Cobalt (mg/L)	APMW-8D	0.0025	0.00121	0.006	No	9	0.00043	88.89	None	No	0.002	NP (NDs)
Cobalt (mg/L)	APMW-9	0.0025	0.000089	0.006	No	19	0.000761	89.47	None	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	APMW-10	3.429	2.673	5.86	No	19	0.645	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-10D	0.7653	0.1647	5.86	No	9	0.311	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**APMW-1R**	**11.6**	**7.64**	**5.86**	**Yes**	**19**	**3.383**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**APMW-2**	**20.26**	**18.12**	**5.86**	**Yes**	**19**	**1.827**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	APMW-2D	0.9064	0.008157	5.86	No	9	0.5505	0	None	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-3	6.862	5.624	5.86	No	19	1.154	0	None	x^2	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-3D	1.132	0.5469	5.86	No	9	0.3333	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-4	2.453	1.817	5.86	No	19	0.5435	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**APMW-4D**	**9.32**	**7.233**	**5.86**	**Yes**	**9**	**1.081**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	APMW-5	4.571	3.714	5.86	No	19	0.7312	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-5D	0.7158	0.05668	5.86	No	9	0.3413	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-6D	1.01	0.3105	5.86	No	9	0.362	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-6R	3.295	2.805	5.86	No	19	0.7354	0	None	x^3	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-7	7.384	5.699	5.86	No	19	1.438	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-8	4.61	3.561	5.86	No	19	0.8956	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	APMW-8D	1.053	0.2451	5.86	No	9	0.4185	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**APMW-9**	**8.92**	**6.71**	**5.86**	**Yes**	**19**	**0.929**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Fluoride (mg/L)	APMW-10	0.7687	0.6263	4	No	20	0.1254	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-10D	0.2301	0.161	4	No	9	0.03575	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-1R	0.21	0.14	4	No	19	0.04303	47.37	None	No	0.01	NP (normality)
Fluoride (mg/L)	APMW-2	0.2	0.068	4	No	19	0.06544	31.58	None	No	0.01	NP (normality)
Fluoride (mg/L)	APMW-2D	0.2134	0.151	4	No	9	0.03232	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-3	0.4613	0.2401	4	No	20	0.2105	25	Kaplan-Meier	sqrt(x)	0.01	Param.
Fluoride (mg/L)	APMW-3D	0.18	0.12	4	No	9	0.02489	0	None	No	0.002	NP (normality)
Fluoride (mg/L)	APMW-4	0.5115	0.3811	4	No	20	0.1461	10	None	x^2	0.01	Param.
Fluoride (mg/L)	APMW-4D	0.1936	0.06904	4	No	9	0.06732	44.44	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	APMW-5	0.2	0.09	4	No	19	0.06336	47.37	None	No	0.01	NP (normality)
Fluoride (mg/L)	APMW-5D	0.2106	0.1087	4	No	9	0.05278	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-6D	0.2174	0.1337	4	No	9	0.04333	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-6R	0.27	0.11	4	No	19	1.42	68.42	None	No	0.01	NP (NDs)
Fluoride (mg/L)	APMW-7	0.22	0.12	4	No	20	0.3956	15	None	No	0.01	NP (normality)
Fluoride (mg/L)	APMW-8	1.1	0.73	4	No	20	3.384	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	APMW-8D	0.1779	0.08429	4	No	9	0.0485	0	None	No	0.01	Param.
Fluoride (mg/L)	APMW-9	0.2	0.06	4	No	19	0.1714	31.58	None	No	0.01	NP (normality)
Lead (mg/L)	APMW-10	0.0011	0.0006	0.015	No	19	0.000272	78.95	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-10D	0.0009303	0.0004267	0.015	No	9	0.000287	22.22	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	APMW-2	0.001	0.00022	0.015	No	19	0.0001789	94.74	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	APMW-2D	0.001	0.00016	0.015	No	9	0.000378	44.44	None	No	0.002	NP (normality)
Lead (mg/L)	APMW-3	0.001	0.00048	0.015	No	19	0.000172	89.47	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-4	0.001	0.00062	0.015	No	19	0.00008718	94.74	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-4D	0.001	0.00029	0.015	No	9	0.0002367	88.89	None	No	0.002	NP (NDs)
Lead (mg/L)	APMW-5	0.0011	0.00041	0.015	No	19	0.0001973	84.21	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-5D	0.00203	0.00018	0.015	No	9	0.0006235	22.22	None	No	0.002	NP (normality)
Lead (mg/L)	APMW-6R	0.001	0.00032	0.015	No	19	0.000156	94.74	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-7	0.0019	0.001	0.015	No	19	0.0002065	94.74	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-8	0.0013	0.00075	0.015	No	19	0.000165	84.21	None	No	0.01	NP (NDs)
Lead (mg/L)	APMW-9	0.001	0.00039	0.015	No	19	0.0002373	89.47	None	No	0.01	NP (NDs)
Lithium (mg/L)	APMW-10	0.01693	0.01034	0.04	No	19	0.006862	0	None	x^(1/3)	0.01	Param.
Lithium (mg/L)	APMW-10D	0.01814	0.007661	0.04	No	9	0.005426	11.11	None	No	0.01	Param.
Lithium (mg/L)	APMW-1R	0.01652	0.01235	0.04	No	19	0.004053	5.263	None	ln(x)	0.01	Param.
Lithium (mg/L)	APMW-2	0.03177	0.02507	0.04	No	19	0.005719	0	None	No	0.01	Param.
Lithium (mg/L)	APMW-2D	0.01098	0.008996	0.04	No	9	0.001029	0	None	No	0.01	Param.
Lithium (mg/L)	**APMW-3**	**0.08258**	**0.07013**	**0.04**	**Yes**	**19**	**0.01111**	**0**	**None**	**x^(1/3)**	**0.01**	**Param.**
Lithium (mg/L)	APMW-3D	0.01651	0.008284	0.04	No	9	0.004261	0	None	No	0.01	Param.
Lithium (mg/L)	**APMW-4**	**0.05966**	**0.04787**	**0.04**	**Yes**	**19**	**0.01045**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Lithium (mg/L)	**APMW-4D**	**0.0872**	**0.04795**	**0.04**	**Yes**	**9**	**0.02033**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	APMW-5	0.049	0.04	0.04	No	19	0.009814	0	None	No	0.01	NP (normality)
Lithium (mg/L)	APMW-5D	0.008939	0.007041	0.04	No	9	0.0009828	0	None	No	0.01	Param.
Lithium (mg/L)	APMW-6D	0.01026	0.005993	0.04	No	9	0.002294	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	**APMW-6R**	**0.05775**	**0.05314**	**0.04**	**Yes**	**19**	**0.003933**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	APMW-7	0.004437	0.00283	0.04	No	18	0.001511	16.67	Kaplan-Meier	No	0.01	Param.

Confidence Intervals Summary Table - All Results

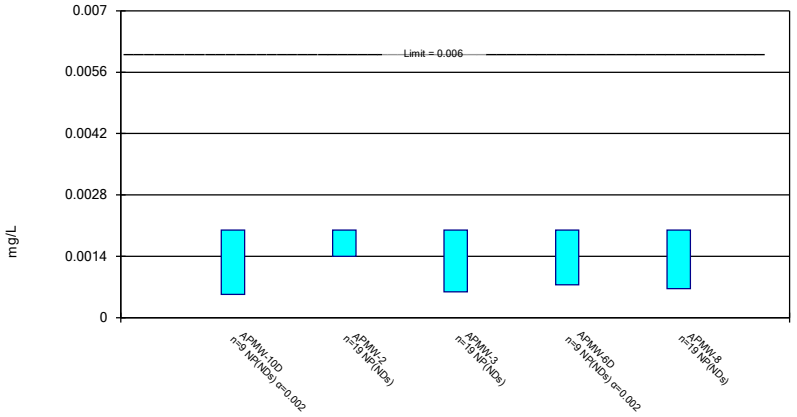
Plant Watson Data: Plant Watson AP CCR Printed 5/13/2024, 4:09 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lithium (mg/L)	**APMW-8**	**0.095**	**0.071**	**0.04**	**Yes**	**19**	**0.02299**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Lithium (mg/L)	APMW-8D	0.005511	0.002746	0.04	No	9	0.001438	22.22	Kaplan-Meier	No	0.01	Param.
Lithium (mg/L)	APMW-9	0.004947	0.003247	0.04	No	18	0.001531	16.67	Kaplan-Meier	sqrt(x)	0.01	Param.
Mercury (mg/L)	APMW-10	0.0002	0.000085	0.002	No	17	0.00002789	94.12	None	No	0.01	NP (NDs)
Mercury (mg/L)	APMW-1R	0.0002	0.00015	0.002	No	17	0.00001213	94.12	None	No	0.01	NP (NDs)
Mercury (mg/L)	APMW-5	0.0002	0.000093	0.002	No	17	0.00002595	94.12	None	No	0.01	NP (NDs)
Mercury (mg/L)	APMW-7	0.0002	0.00009	0.002	No	17	0.00002668	94.12	None	No	0.01	NP (NDs)
Mercury (mg/L)	APMW-8	0.0002	0.000077	0.002	No	17	0.00002983	94.12	None	No	0.01	NP (NDs)
Mercury (mg/L)	APMW-9	0.00035	0.0002	0.002	No	17	0.00003638	94.12	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	APMW-10	0.11	0.037	0.1	No	19	0.03223	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	APMW-10D	0.01191	0.00314	0.1	No	9	0.004543	11.11	None	No	0.01	Param.
Molybdenum (mg/L)	APMW-2	0.015	0.00079	0.1	No	19	0.00326	94.74	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	APMW-2D	0.00558	0.00099	0.1	No	9	0.001588	0	None	No	0.002	NP (normality)
Molybdenum (mg/L)	APMW-3	0.06991	0.06077	0.1	No	19	0.007807	0	None	No	0.01	Param.
Molybdenum (mg/L)	APMW-3D	0.015	0.0007	0.1	No	9	0.006172	22.22	None	No	0.002	NP (normality)
Molybdenum (mg/L)	APMW-4	0.009125	0.005959	0.1	No	19	0.002703	0	None	No	0.01	Param.
Molybdenum (mg/L)	**APMW-4D**	**0.314**	**0.1698**	**0.1**	**Yes**	**9**	**0.07471**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	APMW-5	0.114	0.0694	0.1	No	19	0.0405	0	None	sqrt(x)	0.01	Param.
Molybdenum (mg/L)	APMW-5D	0.0075	0.00078	0.1	No	9	0.002167	11.11	None	No	0.002	NP (normality)
Molybdenum (mg/L)	APMW-6D	0.003282	0.0009051	0.1	No	9	0.002064	11.11	None	ln(x)	0.01	Param.
Molybdenum (mg/L)	**APMW-6R**	**0.5071**	**0.3916**	**0.1**	**Yes**	**19**	**0.1032**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Molybdenum (mg/L)	APMW-7	0.015	0.0062	0.1	No	19	0.005384	63.16	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	APMW-8	0.1408	0.08352	0.1	No	19	0.04891	0	None	No	0.01	Param.
Molybdenum (mg/L)	APMW-8D	0.015	0.00067	0.1	No	9	0.007019	33.33	None	No	0.002	NP (normality)
Molybdenum (mg/L)	APMW-9	0.015	0.00093	0.1	No	19	0.004441	89.47	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-10	0.005	0.00061	0.05	No	19	0.001712	84.21	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-2	0.005	0.00072	0.05	No	19	0.001662	84.21	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-3	0.005	0.0011	0.05	No	19	0.001881	57.89	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-3D	0.005	0.0012	0.05	No	9	0.001267	88.89	None	No	0.002	NP (NDs)
Selenium (mg/L)	APMW-4	0.005	0.00068	0.05	No	19	0.001675	84.21	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-5	0.005	0.0016	0.05	No	19	0.001738	78.95	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-7	0.005	0.00046	0.05	No	19	0.001722	84.21	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-8	0.005	0.00076	0.05	No	19	0.001858	78.95	None	No	0.01	NP (NDs)
Selenium (mg/L)	APMW-9	0.005	0.0012	0.05	No	19	0.001821	78.95	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-10	0.001	0.00068	0.002	No	19	0.0002196	84.21	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-10D	0.001	0.00057	0.002	No	9	0.0001433	88.89	None	No	0.002	NP (NDs)
Thallium (mg/L)	APMW-1R	0.001	0.00019	0.002	No	19	0.0001858	94.74	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-2	0.001	0.00084	0.002	No	19	0.00003671	94.74	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-3	0.001	0.00012	0.002	No	19	0.0002019	94.74	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-8	0.0013	0.00025	0.002	No	19	0.0002641	84.21	None	No	0.01	NP (NDs)
Thallium (mg/L)	APMW-9	0.0016	0.00024	0.002	No	19	0.0002281	89.47	None	No	0.01	NP (NDs)

Sanitas™ v.10.0.16 . UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

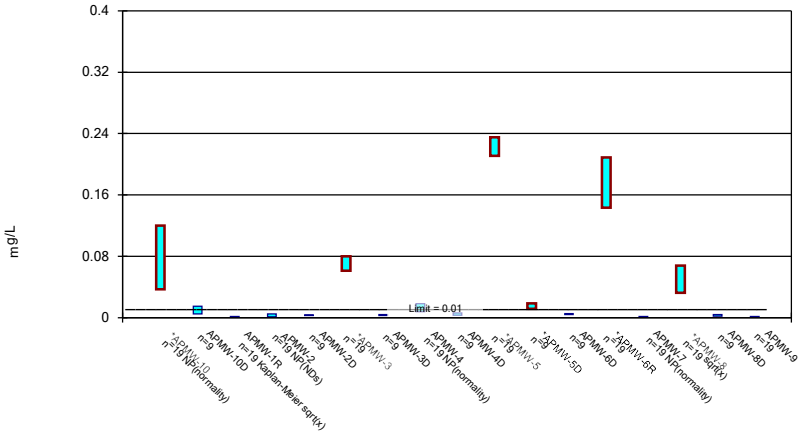


Constituent: Antimony Analysis Run 5/13/2024 4:07 PM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

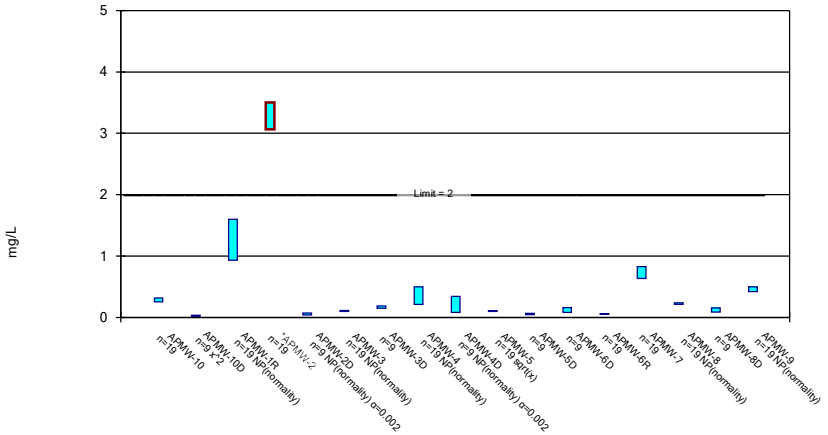


Constituent: Arsenic Analysis Run 5/13/2024 4:07 PM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

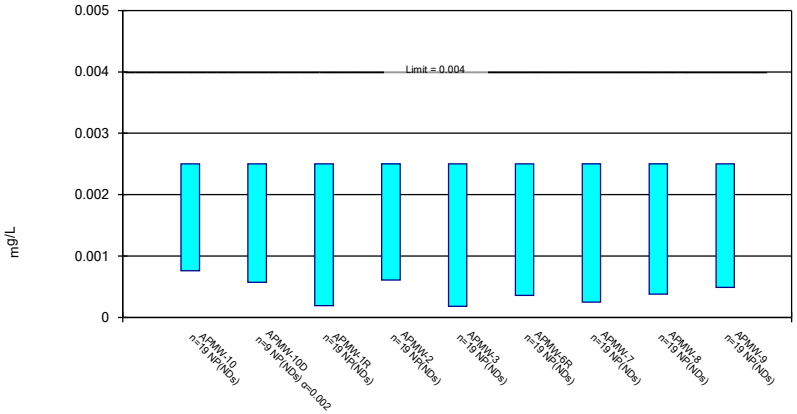


Constituent: Barium Analysis Run 5/13/2024 4:07 PM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

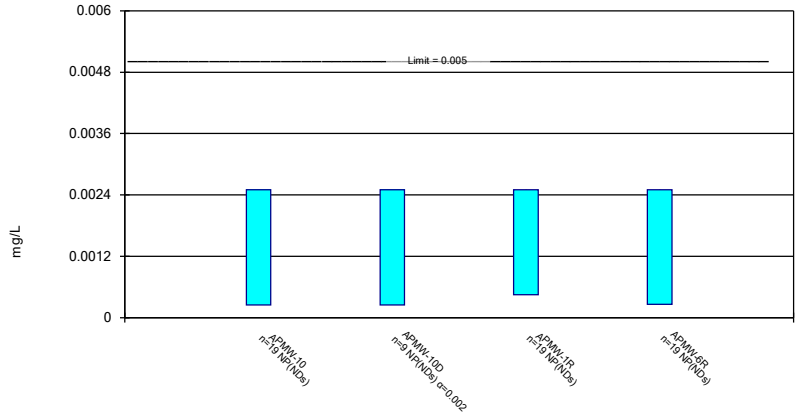


Constituent: Beryllium Analysis Run 5/13/2024 4:07 PM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

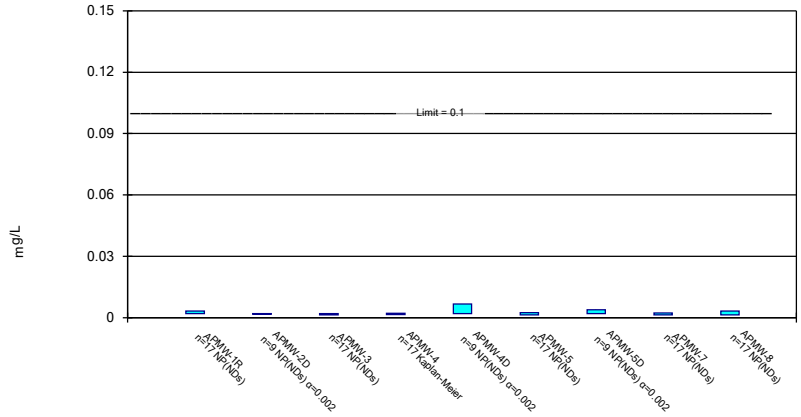


Constituent: Cadmium Analysis Run 5/13/2024 4:07 PM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

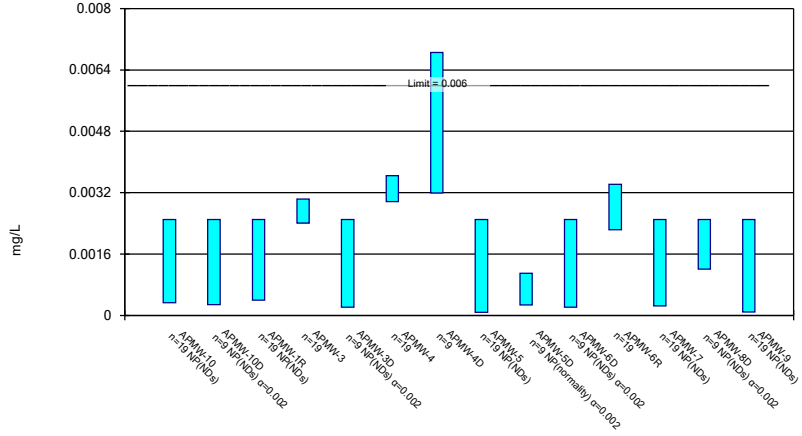


Constituent: Chromium Analysis Run 5/13/2024 4:07 PM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

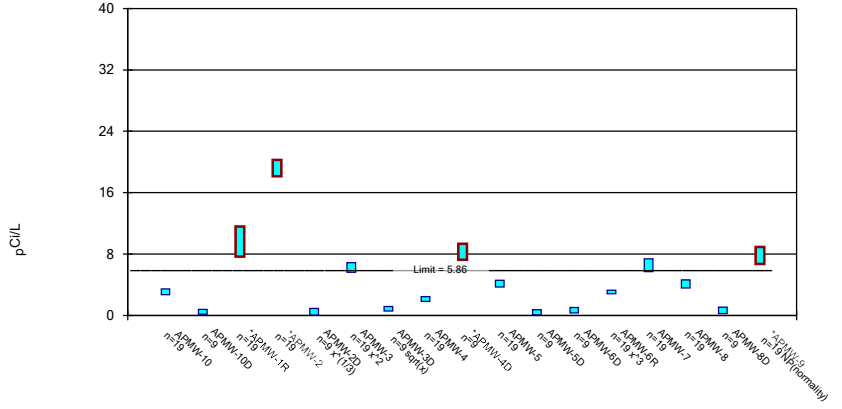


Constituent: Cobalt Analysis Run 5/13/2024 4:07 PM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

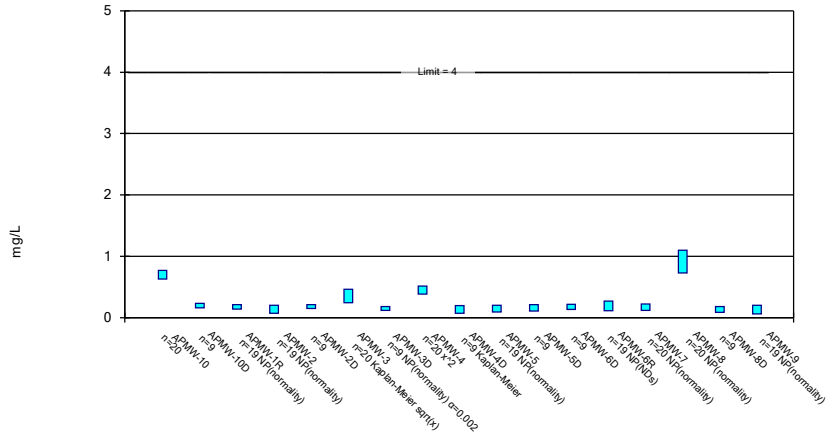


Constituent: Combined Radium 226 + 228 Analysis Run 5/13/2024 4:07 PM View: Appendix IV - Confiden
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

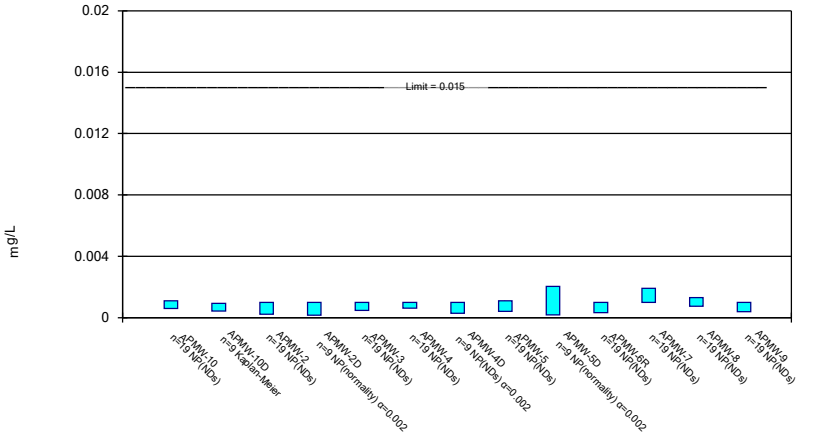


Constituent: Fluoride Analysis Run 5/13/2024 4:07 PM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

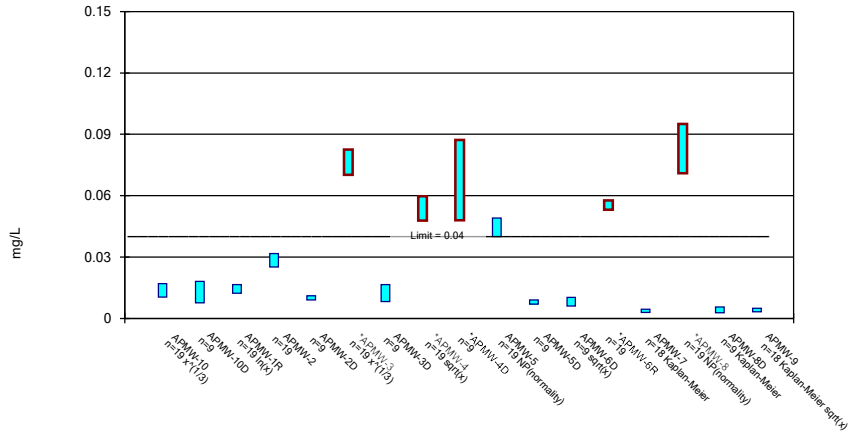


Constituent: Lead Analysis Run 5/13/2024 4:07 PM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

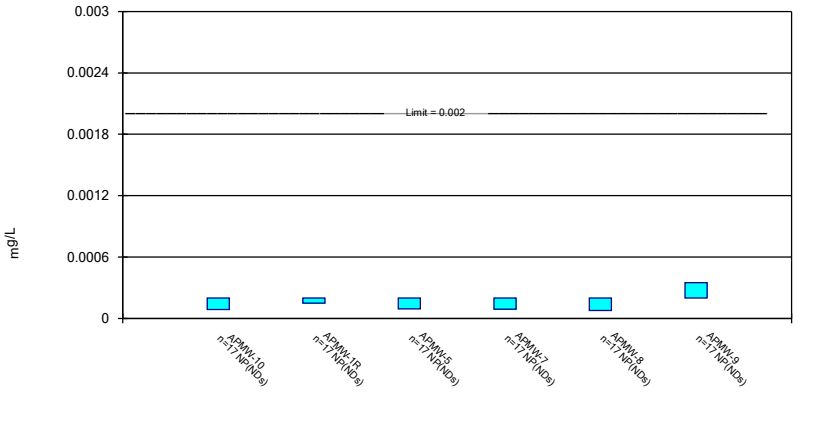


Constituent: Lithium Analysis Run 5/13/2024 4:07 PM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

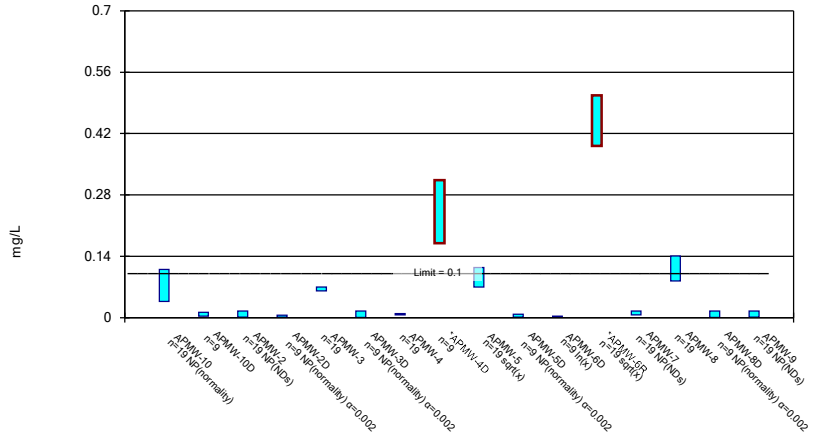


Constituent: Mercury Analysis Run 5/13/2024 4:07 PM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

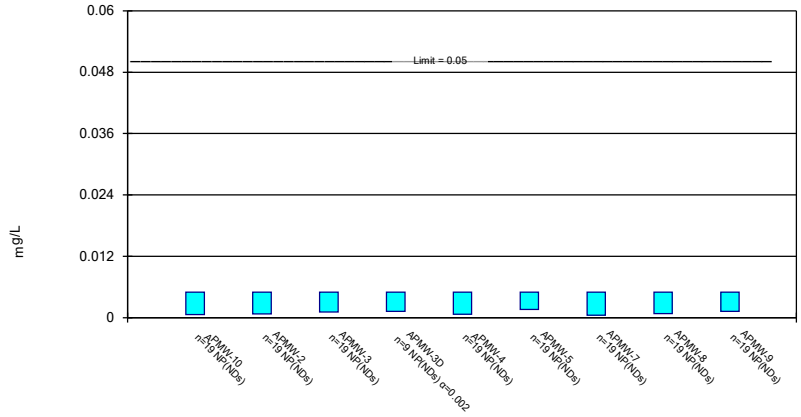


Constituent: Molybdenum Analysis Run 5/13/2024 4:07 PM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

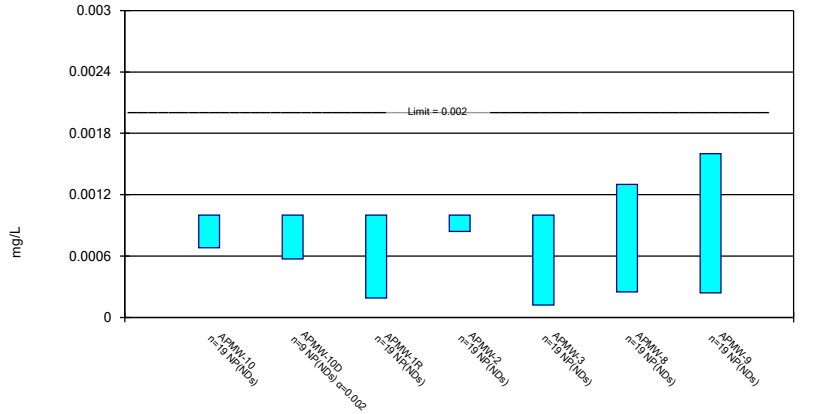


Constituent: Selenium Analysis Run 5/13/2024 4:07 PM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Thallium Analysis Run 5/13/2024 4:07 PM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

	APMW-10D	APMW-2	APMW-3	APMW-6D	APMW-8
4/24/2018		<0.002	<0.002		
4/25/2018					<0.002
6/14/2018		<0.002	<0.002		<0.002
7/23/2018					<0.002
7/24/2018		<0.002	<0.002		
9/1/2018		<0.002	<0.002		
9/6/2018					<0.002
10/1/2018		<0.002	<0.002		
10/2/2018					<0.002
11/1/2018					<0.002
11/2/2018		<0.002	<0.002		
12/6/2018					<0.002
12/7/2018		<0.002	<0.002		
2/13/2019		<0.002	<0.002		<0.002
8/8/2019		0.0014 (J)	<0.002		
8/9/2019					<0.002
8/30/2019		<0.002	<0.002		<0.002
3/16/2020		<0.002	<0.002		
3/17/2020					<0.002
7/13/2020	<0.002				
7/14/2020				<0.002	
11/5/2020		<0.002	<0.002		
11/9/2020					<0.002
11/10/2020				<0.002	
11/20/2020	<0.002				
3/8/2021	<0.002	<0.002			
3/9/2021			<0.002		<0.002
3/10/2021				<0.002	
10/12/2021	<0.002	<0.002			
10/14/2021				<0.002	
10/21/2021			<0.002		<0.002
4/5/2022	<0.002	<0.002	<0.002		
4/6/2022					0.00066 (J)
4/7/2022				0.00075 (J)	
10/17/2022		<0.002			
10/18/2022	0.00053 (J)		0.00059 (J)		<0.002
10/19/2022				<0.002	
3/8/2023		<0.002	<0.002		
3/9/2023				<0.002	<0.002
3/13/2023	<0.002				
10/19/2023		<0.002	<0.002		
10/20/2023				<0.002	<0.002
10/21/2023	<0.002				
3/25/2024		<0.002	<0.002		
3/28/2024				<0.002	<0.002
3/29/2024	<0.002				
Mean	0.001837	0.001968	0.001926	0.001861	0.001929
Std. Dev.	0.00049	0.0001376	0.0003235	0.0004167	0.0003074
Upper Lim.	0.002	0.002	0.002	0.002	0.002
Lower Lim.	0.00053	0.0014	0.00059	0.00075	0.00066

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D
4/24/2018				0.00077 (J)		0.084		0.019	
4/25/2018	0.13								
6/13/2018	0.11								
6/14/2018				<0.005		0.081		0.018	
7/23/2018	0.13								
7/24/2018				<0.005		0.093		0.018	
9/1/2018	0.12			<0.005		0.099		0.017	
9/6/2018									
10/1/2018				0.00094 (J)		0.077		0.017	
10/2/2018	0.11								
11/1/2018	0.11								
11/2/2018				0.0012 (J)		0.067		0.018	
12/6/2018	0.12							0.018	
12/7/2018				<0.005		0.063			
2/13/2019	0.098			<0.005		0.065		0.019	
3/16/2019			0.0021						
3/27/2019			0.0019						
4/3/2019			0.0019						
4/5/2019									
4/15/2019			0.0025						
5/2/2019			0.0019						
5/14/2019			0.0027						
5/28/2019			<0.005						
5/29/2019									
6/12/2019			0.0023						
6/19/2019									
6/25/2019									
8/8/2019	0.11		0.0012	0.00035 (J)		0.074			
8/9/2019								0.018	
8/30/2019	0.079		0.0011	<0.005		0.07		0.016	
3/16/2020			0.00085 (J)	<0.005		0.071		0.017	
3/17/2020	0.093								
7/11/2020					0.00374				
7/13/2020		0.0116					0.002		
7/14/2020									0.00773
7/30/2020									
11/4/2020			0.00069 (J)						
11/5/2020				<0.005	0.0033	0.064			
11/9/2020							0.0033	0.018	0.0043
11/10/2020									
11/20/2020	0.072	0.019							
3/8/2021	0.047	0.01	0.0005 (J)	<0.005	0.0032				
3/9/2021						0.042	0.0035	0.016	0.0059
3/10/2021									
10/11/2021							0.0037		
10/12/2021	0.028	0.011	<0.005	<0.005	0.0027				
10/14/2021								0.012	0.0046
10/20/2021									
10/21/2021						0.0445 (D)			
4/4/2022			0.0004 (J)						
4/5/2022	0.039	0.016		<0.005	0.0029	0.047	0.0028		0.0044
4/6/2022								0.011	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D
4/7/2022									
10/17/2022			0.00031 (J)	<0.005					
10/18/2022	0.037	0.0054			0.0028	0.061	0.0037		0.0028
10/19/2022								0.0073	
3/8/2023			0.0004 (J)	<0.005	0.0032	0.072	0.0027	0.0075	0.0031
3/9/2023									
3/13/2023	0.032	<0.005							
10/19/2023			<0.005	<0.005	0.0032 (J)	0.096	0.0033 (J)	0.0076 (J)	0.0039 (J)
10/20/2023									
10/21/2023	0.037	0.007 (J)							
3/25/2024			0.00062 (J)	<0.005	0.0023	0.072			
3/26/2024							0.0039	0.0041	0.0033
3/28/2024									
3/29/2024	0.032	0.007							
Mean	0.08074	0.009944	0.001914	0.004119	0.003038	0.07066	0.003211	0.01466	0.004448
Std. Dev.	0.0381	0.005195	0.00157	0.001759	0.0004145	0.01597	0.0006071	0.004784	0.001544
Upper Lim.	0.12	0.01496	0.001529	0.005	0.003438	0.08001	0.003797	0.018	0.005939
Lower Lim.	0.037	0.004928	0.0006402	0.0012	0.002638	0.06131	0.002625	0.0076	0.002957

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-5	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/24/2018								
4/25/2018	0.24				0.0021	0.097		0.0016
6/13/2018								0.001 (J)
6/14/2018	0.22				0.0015	0.089		
7/23/2018						0.094		0.0011 (J)
7/24/2018	0.23				0.0015			
9/1/2018	0.22							
9/6/2018					0.0013	0.082		0.0011 (J)
10/1/2018								
10/2/2018	0.21				0.0014	0.075		0.0015
11/1/2018						0.081		0.0014
11/2/2018	0.26				0.0028			
12/6/2018	0.23				0.0033	0.079		0.0016
12/7/2018								
2/13/2019	0.23				0.0012 (J)	0.077		0.0013
3/16/2019								
3/27/2019								
4/3/2019								
4/5/2019				0.13 (D)				
4/15/2019				0.13				
5/2/2019				0.089				
5/14/2019				0.13				
5/28/2019								
5/29/2019				0.12				
6/12/2019				0.13				
6/19/2019				0.16				
6/25/2019				0.13				
8/8/2019								0.0012
8/9/2019	0.24			0.16	0.00053 (J)	0.052		
8/30/2019	0.2			0.17	0.00044 (J)	0.05		0.0011
3/16/2020								
3/17/2020	0.21			0.18	0.00053 (J)	0.043		0.001
7/11/2020								
7/13/2020							0.000995 (J)	
7/14/2020			0.00412					
7/30/2020		0.00958						
11/4/2020								
11/5/2020								
11/9/2020	0.26	0.012				0.036		
11/10/2020			0.0041		0.00058 (J)		0.0034	
11/20/2020				0.18				0.0012
3/8/2021								0.0015
3/9/2021	0.21	0.013		0.21	0.00045 (J)	0.035	0.0045	
3/10/2021			0.0045					
10/11/2021		0.013						
10/12/2021	0.21				0.00044 (J)		0.0044	0.0013
10/14/2021			0.0055					
10/20/2021				0.2 (D)				
10/21/2021						0.026 (D)		
4/4/2022								
4/5/2022								
4/6/2022	0.21	0.016			0.00048 (J)	0.023	0.0028	0.0013

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

	APMW-5	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/7/2022			0.0052	0.21				
10/17/2022								
10/18/2022					0.00066 (J)	0.02	0.0027	0.0014
10/19/2022	0.18	0.014	0.0031	0.21				
3/8/2023								
3/9/2023	0.22	0.016	0.0041	0.22	0.00051 (J)	0.011	0.0021	
3/13/2023								0.0014
10/19/2023								
10/20/2023	0.25	0.022	0.0055 (J)	0.29	0.00098 (J)	0.016	0.0028 (J)	0.0012 (J)
10/21/2023								
3/25/2024								
3/26/2024	0.21	0.019		0.3	0.00068 (J)		0.0031	
3/28/2024			0.0051			0.019		0.0012
3/29/2024								
Mean	0.2232	0.01495	0.00458	0.1763	0.001125	0.05289	0.002977	0.001284
Std. Dev.	0.02056	0.003781	0.0008075	0.05588	0.0008336	0.02982	0.001083	0.0001864
Upper Lim.	0.2352	0.0186	0.00536	0.209	0.0015	0.0678	0.004022	0.001393
Lower Lim.	0.2111	0.0113	0.0038	0.1435	0.00048	0.03223	0.001932	0.001175

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D
4/24/2018				2.8		0.097		0.46	
4/25/2018	0.26								
6/13/2018	0.3								
6/14/2018				3.1		0.11		0.5	
7/23/2018	0.24								
7/24/2018				3		0.1		0.54	
9/1/2018	0.25			2.9		0.12		0.53	
9/6/2018									
10/1/2018				4		0.1		0.5	
10/2/2018	0.23								
11/1/2018	0.23								
11/2/2018				3.1		0.1		0.5	
12/6/2018	0.24							0.43	
12/7/2018				3.3		0.11			
2/13/2019	0.26			2.9		0.1		0.45	
3/16/2019			0.89						
3/27/2019			1.1						
4/3/2019			1.1						
4/5/2019									
4/15/2019			0.98						
5/2/2019			0.94						
5/14/2019			1						
5/28/2019			1						
5/29/2019									
6/12/2019			0.91						
6/19/2019									
6/25/2019									
8/8/2019	0.24		0.93	3.2		0.1			
8/9/2019								0.33	
8/30/2019	0.2		0.91	2.7		0.1		0.29	
3/16/2020			1.2	3.2		0.1		0.27	
3/17/2020	0.25								
7/11/2020					0.0418				
7/13/2020		0.0358					0.135		
7/14/2020									0.342
7/30/2020									
11/4/2020			1.4						
11/5/2020				3.2	0.038	0.1			
11/9/2020							0.14	0.23	0.24
11/10/2020									
11/20/2020	0.27	0.032							
3/8/2021	0.32	0.026	1.3	3.3	0.037				
3/9/2021						0.1	0.16	0.22	0.21
3/10/2021									
10/11/2021							0.18		
10/12/2021	0.34	0.027	1.5	3.3	0.04				
10/14/2021								0.21	0.13
10/20/2021									
10/21/2021						0.095			
4/4/2022			1.6						
4/5/2022	0.37	0.027		3.6	0.049	0.098	0.18		0.097
4/6/2022								0.17	

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D
4/7/2022									
10/17/2022			1.7	3.4					
10/18/2022	0.37	0.027			0.067	0.096	0.19		0.088
10/19/2022								0.23	
3/8/2023			1.8	3.6	0.06	0.11	0.16	0.17	0.083
3/9/2023									
3/13/2023	0.38	<0.01							
10/19/2023			1.9	3.9	0.068	0.071	0.18	0.16	0.088
10/20/2023									
10/21/2023	0.32	0.026							
3/25/2024			1.6	3.9	0.066	0.099			
3/26/2024							0.17	0.14	0.082
3/28/2024									
3/29/2024	0.34	0.025							
Mean	0.2847	0.02564	1.251	3.284	0.05187	0.1003	0.1661	0.3332	0.1511
Std. Dev.	0.05551	0.008485	0.3387	0.3746	0.01332	0.009411	0.019	0.1453	0.09258
Upper Lim.	0.3172	0.03234	1.6	3.504	0.068	0.11	0.1845	0.5	0.342
Lower Lim.	0.2522	0.01993	0.93	3.065	0.037	0.097	0.1478	0.21	0.082

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-5	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/24/2018								
4/25/2018	0.093				0.66	0.2		0.42
6/13/2018								0.45
6/14/2018	0.11				0.74	0.22		
7/23/2018						0.2		0.42
7/24/2018	0.093				0.72			
9/1/2018	0.1							
9/6/2018					0.79	0.22		0.45
10/1/2018								
10/2/2018	0.1				0.93	0.21		0.43
11/1/2018						0.21		0.43
11/2/2018	0.12				1.1			
12/6/2018	0.1				0.7	0.22		0.44
12/7/2018								
2/13/2019	0.1				0.59	0.23		0.44
3/16/2019								
3/27/2019								
4/3/2019								
4/5/2019				0.071 (D)				
4/15/2019				0.067				
5/2/2019				0.071				
5/14/2019				0.068				
5/28/2019								
5/29/2019				0.067 (J)				
6/12/2019				0.064 (J)				
6/19/2019				0.059 (J)				
6/25/2019				0.057 (J)				
8/8/2019								0.42
8/9/2019	0.11			0.058	0.76	0.2		
8/30/2019	0.086			0.052	0.56	0.2		0.42
3/16/2020								
3/17/2020	0.1			0.05	0.53	0.21		0.49
7/11/2020								
7/13/2020							0.192	
7/14/2020			0.107					
7/30/2020		0.0659						
11/4/2020								
11/5/2020								
11/9/2020	0.1	0.069				0.23		
11/10/2020			0.077		0.77		0.12	
11/20/2020				0.048				0.48
3/8/2021								0.47
3/9/2021	0.1	0.059		0.055	0.53	0.22	0.15	
3/10/2021			0.087					
10/11/2021		0.052						
10/12/2021	0.1				0.97		0.14	0.49
10/14/2021			0.1					
10/20/2021				0.048				
10/21/2021						0.23		
4/4/2022								
4/5/2022								
4/6/2022	0.11	0.053			0.61	0.24	0.12	0.52

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

	APMW-5	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/7/2022			0.13	0.043 (J)				
10/17/2022								
10/18/2022					0.97	0.24	0.1	0.5
10/19/2022	0.1	0.053	0.073	0.044				
3/8/2023								
3/9/2023	0.11	0.043	0.15	0.046	0.65	0.3	0.1	
3/13/2023								0.55
10/19/2023								
10/20/2023	0.11	0.044	0.16	0.048	0.7	0.3	0.082	0.4
10/21/2023								
3/25/2024								
3/26/2024	0.097	0.041		0.042	0.58		0.075	
3/28/2024			0.19			0.23		0.64
3/29/2024								
Mean	0.1021	0.05332	0.1193	0.05568	0.7295	0.2268	0.1199	0.4663
Std. Dev.	0.007898	0.009896	0.04064	0.009905	0.1628	0.02888	0.03666	0.05776
Upper Lim.	0.1066	0.06288	0.1586	0.06148	0.8248	0.24	0.1553	0.5
Lower Lim.	0.09735	0.04377	0.0801	0.04988	0.6342	0.21	0.08449	0.42

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-3	APMW-6R	APMW-7	APMW-8	APMW-9
4/24/2018				<0.0025	<0.0025				
4/25/2018	<0.0025						<0.0025	<0.0025	<0.0025
6/13/2018	<0.0025								<0.0025
6/14/2018				<0.0025	<0.0025		<0.0025	<0.0025	
7/23/2018	<0.0025							<0.0025	<0.0025
7/24/2018				<0.0025	<0.0025		<0.0025		
9/1/2018	<0.0025			<0.0025	<0.0025				
9/6/2018							<0.0025	<0.0025	<0.0025
10/1/2018				<0.0025	<0.0025				
10/2/2018	<0.0025						<0.0025	<0.0025	<0.0025
11/1/2018	<0.0025							<0.0025	<0.0025
11/2/2018				<0.0025	<0.0025		<0.0025		
12/6/2018	<0.0025						<0.0025	<0.0025	<0.0025
12/7/2018				<0.0025	<0.0025				
2/13/2019	<0.0025			<0.0025	<0.0025		<0.0025	<0.0025	<0.0025
3/16/2019			<0.0025						
3/27/2019			<0.0025						
4/3/2019			<0.0025						
4/5/2019						<0.0025 (D)			
4/15/2019			<0.0025			<0.0025			
5/2/2019			<0.0025			<0.0025			
5/14/2019			<0.0025			<0.0025			
5/28/2019			<0.0025						
5/29/2019						<0.0025			
6/12/2019			<0.0025			<0.0025			
6/19/2019						<0.0025			
6/25/2019						<0.0025			
8/8/2019	<0.0025		<0.0025	0.00061 (J)	<0.0025				<0.0025
8/9/2019						<0.0025	<0.0025	<0.0025	
8/30/2019	0.00043 (J)		0.00019 (J)	0.00023 (J)	0.00018 (J)	0.00036 (J)	0.00025 (J)	0.00038 (J)	0.00049 (J)
3/16/2020			<0.0025	<0.0025	<0.0025				
3/17/2020	<0.0025					<0.0025	<0.0025	<0.0025	<0.0025
7/13/2020		<0.0025							
11/4/2020			<0.0025						
11/5/2020				<0.0025	<0.0025				
11/9/2020								<0.0025	
11/10/2020							<0.0025		
11/20/2020	<0.0025	<0.0025				<0.0025			<0.0025
3/8/2021	0.00076 (J)	0.00057 (J)	<0.0025	0.00018 (J)					0.00024 (J)
3/9/2021					<0.0025	<0.0025	<0.0025	<0.0025	
10/12/2021	<0.0025	<0.0025	<0.0025	<0.0025			<0.0025		<0.0025
10/20/2021						<0.0025			
10/21/2021					<0.0025			<0.0025	
4/4/2022			<0.0025						
4/5/2022	<0.0025	<0.0025		<0.0025	<0.0025				
4/6/2022							<0.0025	<0.0025	<0.0025
4/7/2022						<0.0025			
10/17/2022			<0.0025	<0.0025					
10/18/2022	<0.0025	<0.0025			<0.0025		<0.0025	<0.0025	<0.0025
10/19/2022						<0.0025			
3/8/2023			<0.0025	<0.0025	<0.0025				
3/9/2023						<0.0025	<0.0025	0.0003 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-3	APMW-6R	APMW-7	APMW-8	APMW-9
3/13/2023	<0.0025	<0.0025							0.00027 (J)
10/19/2023			<0.0025	0.0003 (J)	<0.0025				
10/20/2023						<0.0025	<0.0025	<0.0025	<0.0025
10/21/2023	<0.0025	<0.0025							
3/25/2024			<0.0025	<0.0025	<0.0025				
3/26/2024						<0.0025	<0.0025		
3/28/2024								<0.0025	<0.0025
3/29/2024	<0.0025	<0.0025							
Mean	0.002299	0.002286	0.002378	0.002043	0.002378	0.002387	0.002382	0.002273	0.002158
Std. Dev.	0.0006032	0.0006433	0.00053	0.0009123	0.0005322	0.0004909	0.0005162	0.0006812	0.000813
Upper Lim.	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
Lower Lim.	0.00076	0.00057	0.00019	0.00061	0.00018	0.00036	0.00025	0.00038	0.00049

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-6R
4/25/2018	<0.0025			
6/13/2018	<0.0025			
7/23/2018	<0.0025			
9/1/2018	<0.0025			
10/2/2018	<0.0025			
11/1/2018	<0.0025			
12/6/2018	<0.0025			
2/13/2019	<0.0025			
3/16/2019			<0.0025	
3/27/2019			<0.0025	
4/3/2019			<0.0025	
4/5/2019				<0.0025 (D)
4/15/2019			0.00045 (J)	<0.0025
5/2/2019			<0.0025	<0.0025
5/14/2019			<0.0025	<0.0025
5/28/2019			<0.0025	
5/29/2019				<0.0025
6/12/2019			<0.0025	<0.0025
6/19/2019				<0.0025
6/25/2019				<0.0025
8/8/2019	<0.0025		<0.0025	
8/9/2019				0.00014 (J)
8/30/2019	<0.0025		<0.0025	0.00026 (J)
3/16/2020			<0.0025	
3/17/2020	<0.0025			<0.0025
7/13/2020		<0.0025		
11/4/2020			<0.0025	
11/20/2020	<0.0025	<0.0025		<0.0025
3/8/2021	0.00025 (J)	0.00025 (J)	<0.0025	
3/9/2021				<0.0025
10/12/2021	<0.0025	<0.0025	<0.0025	
10/20/2021				<0.0025
4/4/2022			<0.0025	
4/5/2022	<0.0025	<0.0025		
4/7/2022				<0.0025
10/17/2022			<0.0025	
10/18/2022	<0.0025	<0.0025		
10/19/2022				<0.0025
3/8/2023			<0.0025	
3/9/2023				<0.0025
3/13/2023	<0.0025	<0.0025		
10/19/2023			<0.0025	
10/20/2023				<0.0025
10/21/2023	<0.0025	<0.0025		
3/25/2024			<0.0025	
3/26/2024				<0.0025
3/29/2024	<0.0025	<0.0025		
Mean	0.002382	0.00225	0.002392	0.002258
Std. Dev.	0.0005162	0.00075	0.0004703	0.0007255
Upper Lim.	0.0025	0.0025	0.0025	0.0025
Lower Lim.	0.00025	0.00025	0.00045	0.00026

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

	APMW-1R	APMW-2D	APMW-3	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-7	APMW-8
4/24/2018			<0.002	0.0016 (J)					
4/25/2018						0.0013 (J)		0.0014 (J)	<0.002
6/14/2018			<0.002	0.002 (J)		0.0012 (J)		0.0014 (J)	0.0032
7/23/2018									<0.002
7/24/2018			<0.002	0.0022 (J)		<0.002		0.0014 (J)	
9/1/2018			0.0014 (J)	0.0025		0.0024 (J)			
9/6/2018								0.0017 (J)	0.0014 (J)
10/1/2018			<0.002	0.0028					
10/2/2018						0.0015 (J)		0.0013 (J)	<0.002
11/1/2018									<0.002
11/2/2018			<0.002	0.0026		0.0014 (J)		0.0014 (J)	
12/6/2018				0.0012 (J)		<0.002		<0.002	<0.002
12/7/2018			<0.002						
2/13/2019			<0.002	0.0013 (J)		<0.002		<0.002	<0.002
3/16/2019	<0.002								
3/27/2019	<0.002								
4/3/2019	<0.002								
4/15/2019	<0.002								
5/2/2019	<0.002								
5/14/2019	<0.002								
5/28/2019	<0.002								
6/12/2019	0.0032								
8/8/2019	<0.002		<0.002						
8/9/2019				<0.002		<0.002		<0.002	<0.002
7/11/2020		0.00157 (J)							
7/14/2020					<0.002				
7/30/2020							0.00378		
11/4/2020	<0.002								
11/5/2020		<0.002	<0.002						
11/9/2020				<0.002	<0.002	<0.002	0.0019 (J)		<0.002
11/10/2020								<0.002	
3/8/2021	<0.002	<0.002							
3/9/2021			<0.002	<0.002	<0.002	<0.002	<0.002	0.0022	<0.002
10/11/2021							<0.002		
10/12/2021	<0.002	<0.002				<0.002		<0.002	
10/14/2021				<0.002	<0.002				
10/21/2021			<0.002						<0.002
4/4/2022	<0.002								
4/5/2022		<0.002	<0.002		<0.002				
4/6/2022				<0.002		<0.002	<0.002	<0.002	<0.002
10/17/2022	<0.002								
10/18/2022		<0.002	<0.002		<0.002			<0.002	<0.002
10/19/2022				0.0021		<0.002	<0.002		
3/8/2023	<0.002	<0.002	<0.002	<0.002	<0.002				
3/9/2023						<0.002	<0.002	<0.002	<0.002
10/19/2023	<0.002	<0.002	<0.002	0.0017 (J)	<0.002				
10/20/2023						0.0012 (J)	<0.002	<0.002	<0.002
3/25/2024	<0.002	<0.002	<0.002						
3/26/2024				<0.002	0.0066	<0.002	<0.002	<0.002	
3/28/2024									<0.002
Mean	0.002071	0.001952	0.001965	0.002	0.002511	0.001824	0.002187	0.001812	0.002035
Std. Dev.	0.000291	0.0001433	0.0001455	0.0004093	0.001533	0.0003545	0.0005984	0.0003018	0.0003334

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

	APMW-1R	APMW-2D	APMW-3	APMW-4	APMW-4D	APMW-5	APMW-5D	APMW-7	APMW-8
Upper Lim.	0.0032	0.002	0.002	0.002125	0.0066	0.0024	0.00378	0.0022	0.0032
Lower Lim.	0.002	0.00157	0.0014	0.001513	0.002	0.0014	0.0019	0.0014	0.0014

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-3	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D
4/24/2018				0.0026		0.0033			
4/25/2018	<0.0025							<0.0025	
6/13/2018	<0.0025								
6/14/2018				0.0023 (J)		0.0032		<0.0025	
7/23/2018	<0.0025								
7/24/2018				0.0026		0.0036		<0.0025	
9/1/2018	<0.0025			0.0023 (J)		0.0039		<0.0025	
9/6/2018									
10/1/2018				0.0028		0.0029			
10/2/2018	<0.0025							<0.0025	
11/1/2018	<0.0025								
11/2/2018				0.0027		0.0034		<0.0025	
12/6/2018	<0.0025					0.0032		<0.0025	
12/7/2018				0.0028					
2/13/2019	<0.0025			0.0028		0.0043		<0.0025	
3/16/2019			0.00057 (J)						
3/27/2019			0.00044 (J)						
4/3/2019			0.0004 (J)						
4/5/2019									
4/15/2019			0.00042 (J)						
5/2/2019			<0.0025						
5/14/2019			0.00044 (J)						
5/28/2019			<0.0025						
5/29/2019									
6/12/2019			0.00037 (J)						
6/19/2019									
6/25/2019									
8/8/2019	0.00012 (J)		0.00017 (J)	0.0019					
8/9/2019						0.0034		7.5E-05 (J)	
8/30/2019	8.2E-05 (J)		0.00017 (J)	0.0025		0.0034		7.9E-05 (J)	
3/16/2020			<0.0025	0.0022		0.0039			
3/17/2020	<0.0025							<0.0025	
7/13/2020		<0.0025			<0.0025				
7/14/2020							0.00381		
7/30/2020									0.0011 (J)
11/4/2020			<0.0025						
11/5/2020				0.003					
11/9/2020					0.00021 (J)	0.0037	0.0031	<0.0025	0.00071 (J)
11/10/2020									
11/20/2020	<0.0025	<0.0025							
3/8/2021	0.00033 (J)	0.00028 (J)	<0.0025						
3/9/2021				0.0034	<0.0025	0.0041	0.0023 (J)	<0.0025	0.00041 (J)
3/10/2021									
10/11/2021					<0.0025				0.0003 (J)
10/12/2021	<0.0025	<0.0025	<0.0025					<0.0025	
10/14/2021						0.0032	0.0037		
10/20/2021									
10/21/2021				0.004					
4/4/2022			<0.0025						
4/5/2022	<0.0025	<0.0025		0.0037	<0.0025		0.0055		
4/6/2022						0.0034		<0.0025	0.00033 (J)
4/7/2022									

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-3	APMW-3D	APMW-4	APMW-4D	APMW-5	APMW-5D
10/17/2022			<0.0025						
10/18/2022	<0.0025	<0.0025		0.003	<0.0025		0.0056		
10/19/2022						0.0021 (J)		<0.0025	0.00027 (J)
3/8/2023			<0.0025	0.0023 (J)	<0.0025	0.003	0.0062		
3/9/2023								<0.0025	0.00034 (J)
3/13/2023	<0.0025	<0.0025							
10/19/2023			<0.0025	0.0023 (J)	<0.0025	0.0026 (J)	0.0072 (J)		
10/20/2023								<0.0025	0.00037 (J)
10/21/2023	<0.0025	<0.0025							
3/25/2024			<0.0025	0.0025					
3/26/2024					<0.0025	0.0022 (J)	0.0078	<0.0025	0.0003 (J)
3/28/2024									
3/29/2024	<0.0025	<0.0025							
Mean	0.002133	0.002253	0.001604	0.002721	0.002246	0.003305	0.005023	0.002245	0.0004589
Std. Dev.	0.0008713	0.00074	0.001083	0.0005277	0.0007633	0.0005807	0.001895	0.000764	0.0002742
Upper Lim.	0.0025	0.0025	0.0025	0.00303	0.0025	0.003645	0.006853	0.0025	0.0011
Lower Lim.	0.00033	0.00028	0.0004	0.002412	0.00021	0.002965	0.003194	7.9E-05	0.00027

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-6D	APMW-6R	APMW-7	APMW-8D	APMW-9
4/24/2018					
4/25/2018			<0.0025		<0.0025
6/13/2018					<0.0025
6/14/2018			<0.0025		
7/23/2018					<0.0025
7/24/2018			<0.0025		
9/1/2018					
9/6/2018			0.00043 (J)		<0.0025
10/1/2018					
10/2/2018			<0.0025		<0.0025
11/1/2018					<0.0025
11/2/2018			<0.0025		
12/6/2018			<0.0025		<0.0025
12/7/2018					
2/13/2019			<0.0025		<0.0025
3/16/2019					
3/27/2019					
4/3/2019					
4/5/2019		0.0049 (D)			
4/15/2019		0.0045			
5/2/2019		0.0012 (J)			
5/14/2019		0.0024 (J)			
5/28/2019					
5/29/2019		0.0022 (J)			
6/12/2019		0.002 (J)			
6/19/2019		0.004 (J)			
6/25/2019		0.0014 (J)			
8/8/2019					8.4E-05 (J)
8/9/2019		0.0022	0.00025 (J)		
8/30/2019		0.0039	0.00023 (J)		8.9E-05 (J)
3/16/2020					
3/17/2020		0.0029	0.00024 (J)		<0.0025
7/13/2020				0.00121 (J)	
7/14/2020	<0.0025				
7/30/2020					
11/4/2020					
11/5/2020					
11/9/2020					
11/10/2020	<0.0025		0.00024 (J)	<0.0025	
11/20/2020		0.0024 (J)			<0.0025
3/8/2021					<0.0025
3/9/2021		0.0017 (J)	0.00025 (J)	<0.0025	
3/10/2021	0.00021 (J)				
10/11/2021					
10/12/2021			0.00028 (J)	<0.0025	<0.0025
10/14/2021	<0.0025				
10/20/2021		0.0032			
10/21/2021					
4/4/2022					
4/5/2022					
4/6/2022			<0.0025	<0.0025	<0.0025
4/7/2022	<0.0025	0.0028			

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

	APMW-6D	APMW-6R	APMW-7	APMW-8D	APMW-9
10/17/2022					
10/18/2022			0.00033 (J)	<0.0025	<0.0025
10/19/2022	<0.0025	0.0028			
3/8/2023					
3/9/2023	<0.0025	0.0025	<0.0025	<0.0025	
3/13/2023					<0.0025
10/19/2023					
10/20/2023	<0.0025	0.0031 (J)	0.00029 (J)	<0.0025	<0.0025
10/21/2023					
3/25/2024					
3/26/2024		0.0036	<0.0025	<0.0025	
3/28/2024	<0.0025				<0.0025
3/29/2024					
Mean	0.002246	0.002826	0.001449	0.002357	0.002246
Std. Dev.	0.0007633	0.001009	0.001138	0.00043	0.000761
Upper Lim.	0.0025	0.003417	0.0025	0.0025	0.0025
Lower Lim.	0.00021	0.002235	0.00025	0.00121	8.9E-05

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D
4/24/2018				21.8		5.84		2.4	
4/25/2018	2.66								
6/13/2018	2.91								
6/14/2018				20.9		6.37		2.5	
7/23/2018	3.49								
7/24/2018				19.2		7.22		3.01	
9/1/2018	3.15			17.5		5.46		2.3	
9/6/2018									
10/1/2018				19.9		8.54		3.49	
10/2/2018	3.38								
11/1/2018	2.19								
11/2/2018				17.4		6.02		1.94	
12/6/2018	2.69							2.68	
12/7/2018				18.5		6.26			
2/13/2019	2.97			19.2		6.67		2.05	
3/16/2019			5.87						
3/27/2019			6.56						
4/3/2019			7.03						
4/5/2019									
4/15/2019			6.75						
5/2/2019			6.82						
5/14/2019			6.96						
5/28/2019			4.12						
5/29/2019									
6/12/2019			8.8						
6/19/2019									
6/25/2019									
8/8/2019	2.16		7.52	18.7		6.41			
8/9/2019								2.09	
8/30/2019	2.19		7.98	16.5		5.45		1.24	
3/16/2020			10.6	18.8		6.5		1.71	
3/17/2020	2.94								
7/11/2020					0.179 (U)				
7/13/2020		0.272 (U)					0.857		
7/14/2020									9.33
7/30/2020									
11/4/2020			8.99						
11/5/2020				15.3	0.158 (U)	5.33			
11/9/2020							0.501	2	6.03
11/10/2020									
11/20/2020	3.47	-0.129 (U)							
3/8/2021	2.86	0.73	14.2	21.4	0.164 (U)				
3/9/2021						2.68	0.605	2.08	8.34
3/10/2021									
10/11/2021							1.6		
10/12/2021	3.57	0.769	12	20.6	-0.0129 (U)				
10/14/2021								2.56	8.45
10/20/2021									
10/21/2021						5.6			
4/4/2022			12.5						
4/5/2022	3.1	0.594		17.4	0.117 (U)	7.45	0.853		7.09
4/6/2022								1.71	

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D
4/7/2022									
10/17/2022			14	19.1					
10/18/2022	4.61	0.815			1.7	6.3	1.07		8.32
10/19/2022								1.61	
3/8/2023			13.5	20.4	0.0718 (U)	5.77	0.636	1.78	9.4
3/9/2023									
3/13/2023	2.92	0.18 (U)							
10/19/2023			13.9	22.1	0.508	6.55	0.63	1.75	8.81
10/20/2023									
10/21/2023	4.21	0.491 (U)							
3/25/2024			14.7	19.9	0.851	6.85			
3/26/2024							0.794	1.66	8.72
3/28/2024									
3/29/2024	2.5	0.463 (U)							
Mean	3.051	0.465	9.621	19.19	0.4151	6.172	0.8384	2.135	8.277
Std. Dev.	0.645	0.311	3.383	1.827	0.5505	1.154	0.3333	0.5435	1.081
Upper Lim.	3.429	0.7653	11.6	20.26	0.9064	6.862	1.132	2.453	9.32
Lower Lim.	2.673	0.1647	7.64	18.12	0.008157	5.624	0.5469	1.817	7.233

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

	APMW-5	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/24/2018								
4/25/2018	3.67				5.8	3.26		6.49
6/13/2018								6.43
6/14/2018	4.18				5.94	3.41		
7/23/2018						4.02		6.82
7/24/2018	4.95				6.56			
9/1/2018	4.44							
9/6/2018					7.39	3.86		7.4
10/1/2018								
10/2/2018	4.79				8.19	4.63		7.43
11/1/2018						3.37		6.67
11/2/2018	4				5.87			
12/6/2018	5.01				6.64	3.92		6.92
12/7/2018								
2/13/2019	4.53				6.19	3.66		6.91
3/16/2019								
3/27/2019								
4/3/2019								
4/5/2019				2.85				
4/15/2019				3.24				
5/2/2019				3				
5/14/2019				3.2				
5/28/2019								
5/29/2019				2.88				
6/12/2019				3.04				
6/19/2019				3.59				
6/25/2019				3.61				
8/8/2019								6.71
8/9/2019	3.81			3.14	6.86	3.52		
8/30/2019	2.82			2.52	6.63	3.96		7.32
3/16/2020								
3/17/2020	4.23			3.16	5.37	3.43		7.36
7/11/2020								
7/13/2020							0.898	
7/14/2020			0.591					
7/30/2020		0.29 (UD)						
11/4/2020								
11/5/2020								
11/9/2020	3.42	0.381 (U)				2.55		
11/10/2020			0.113 (U)		6.91		0.293 (U)	
11/20/2020				3.32				8.11
3/8/2021								9.26
3/9/2021	4.01	0.24 (U)		0.234 (U)	2.66	3.52	-0.149 (U)	
3/10/2021			0.186 (U)					
10/11/2021		0.194 (U)						
10/12/2021	3.74				7.77		1.07	8.92
10/14/2021			1.24					
10/20/2021				2.8				
10/21/2021						4.05		
4/4/2022								
4/5/2022								
4/6/2022	5.09	0.644			6.15	4.27	0.565	6.93

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

	APMW-5	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/7/2022			0.752	3.12				
10/17/2022								
10/18/2022					9.51	5.83	1.12	9.03
10/19/2022	4.24	0.259 (U)	0.7	3.45				
3/8/2023								
3/9/2023	2.58	-0.134 (U)	0.833	2.37	4.77	5.27	0.353 (U)	
3/13/2023								7.57
10/19/2023								
10/20/2023	3.9	0.512 (U)	0.515	2.85	7.61	5.63	0.891	8.1
10/21/2023								
3/25/2024								
3/26/2024	5.3	1.09		3.49	7.47		0.801	
3/28/2024			1.01			5.47		9.04
3/29/2024								
Mean	4.143	0.3862	0.66	2.94	6.542	4.086	0.6491	7.548
Std. Dev.	0.7312	0.3413	0.362	0.7354	1.438	0.8956	0.4185	0.929
Upper Lim.	4.571	0.7158	1.01	3.295	7.384	4.61	1.053	8.92
Lower Lim.	3.714	0.05668	0.3105	2.805	5.699	3.561	0.2451	6.71

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D
4/24/2018				0.06 (J)		0.33		0.52	
4/25/2018	0.69								
6/13/2018	0.64								
6/14/2018				0.06 (J)		0.37		0.51	
7/23/2018	0.76								
7/24/2018				0.07 (J)		0.42		0.52	
9/1/2018	0.81			0.08 (J)		0.45		0.54	
9/6/2018									
10/1/2018				0.07 (J)		0.39		0.54	
10/2/2018	0.78								
11/1/2018	0.88								
11/2/2018				0.08 (J)		0.42		0.58	
12/6/2018	0.75							0.51	
12/7/2018				4.3 (o)		0.64			
2/13/2019	0.72			0.05 (J)		0.35		0.48	
3/16/2019			<0.2						
3/27/2019			<0.2						
4/3/2019			<0.2						
4/4/2019	0.63								
4/5/2019				0.14 (J)		0.7 (J)		0.31 (J)	
4/15/2019			0.14 (J)						
5/2/2019			0.13 (J)						
5/14/2019			<0.2						
5/28/2019			0.16 (J)						
5/29/2019									
6/12/2019			<0.2						
6/19/2019									
6/25/2019									
8/8/2019	0.58		0.21 (J)	0.19 (J)		0.8 (J)			
8/9/2019								0.51	
8/30/2019	0.5		0.21 (J)	0.17 (J)		<0.2		0.54 (J)	
3/16/2020			<0.2	<0.2		<0.2		<0.2	
3/17/2020	0.38								
7/11/2020					0.24				
7/13/2020		0.24					0.17		
7/14/2020									0.14
7/30/2020									
11/4/2020			<0.2						
11/5/2020				<0.2	0.15 (J)	<0.2			
11/9/2020							0.18 (J)	<0.2	<0.2
11/10/2020									
11/20/2020	0.81	0.13 (J)							
3/8/2021	0.66	0.23	<0.2	<0.2	0.2				
3/9/2021						0.87 (J)	0.18 (J)	0.55 (J)	<0.2
3/10/2021									
10/11/2021							0.14 (J)		
10/12/2021	0.66	0.22	0.27 (J)	0.22 (J)	0.18 (J)				
10/14/2021								0.5 (J)	<0.2
10/20/2021									
10/21/2021						<0.2			
4/4/2022			0.13 (J)						
4/5/2022	0.82	0.19 (J)		<0.2	0.21	<0.2	0.13 (J)		<0.2

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D
4/6/2022								0.36 (J)	
4/7/2022									
10/17/2022			<0.2	<0.2					
10/18/2022	0.68	0.18 (J)			0.14 (J)	0.32 (J)	0.12 (J)		0.15 (J)
10/19/2022								0.29	
3/8/2023			0.086 (J)	0.068 (J)	0.18 (J)	0.19 (J)	0.14 (J)	0.25	0.074 (J)
3/9/2023									
3/13/2023	0.87	0.19 (J)							
10/19/2023			0.12 (J)	<0.2	0.15 (J)	0.17 (J)	0.13 (J)	0.41	0.082 (J)
10/20/2023									
10/21/2023	0.58	0.16 (J)							
3/25/2024			0.16 (J)	0.082 (J)	0.19 (J)	0.39 (J)			
3/26/2024							0.18 (J)	0.44 (J)	0.29 (J)
3/28/2024									
3/29/2024	0.75	0.22							
Mean	0.6975	0.1956	0.1798	0.1337	0.1822	0.3905	0.1522	0.428	0.1707
Std. Dev.	0.1254	0.03575	0.04303	0.06544	0.03232	0.2105	0.02489	0.1461	0.06732
Upper Lim.	0.7687	0.2301	0.21	0.2	0.2134	0.4613	0.18	0.5115	0.1936
Lower Lim.	0.6263	0.161	0.14	0.068	0.151	0.2401	0.12	0.3811	0.06904

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

	APMW-5	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/24/2018								
4/25/2018	0.09 (J)				0.11	1		0.06 (J)
6/13/2018								0.06 (J)
6/14/2018	0.09 (J)				0.12	1		
7/23/2018						1		0.06 (J)
7/24/2018	0.09 (J)				0.12			
9/1/2018	0.1							
9/6/2018					0.13	1.1		0.06 (J)
10/1/2018								
10/2/2018	0.09 (J)				0.13	1		0.07 (J)
11/1/2018						1.1		0.07 (J)
11/2/2018	0.11				0.14			
12/6/2018	1.4 (o)				0.13	0.98		0.21 (o)
12/7/2018								
2/13/2019	0.07 (J)				0.1	0.98		0.07 (J)
3/16/2019								
3/27/2019								
4/3/2019								
4/4/2019	<0.2				<0.2	0.58 (J)		<0.2
4/5/2019				<0.2 (D)				
4/15/2019				<0.2				
5/2/2019				<0.2				
5/14/2019				<0.2				
5/28/2019								
5/29/2019				<0.2				
6/12/2019				<0.2				
6/19/2019				<0.2				
6/25/2019				0.32 (J)				
8/8/2019								0.2 (J)
8/9/2019	<0.2			<0.2	0.22 (J)	0.9 (J)		
8/30/2019	<0.2			0.27 (J)	0.41 (J)	0.85 (J)		0.18 (J)
3/16/2020								
3/17/2020	<0.2			<0.2	1.6	0.52 (J)		<0.2
7/11/2020								
7/13/2020							0.15	
7/14/2020			0.22					
7/30/2020		0.17						
11/4/2020								
11/5/2020								
11/9/2020	<0.2	0.17 (J)				0.74 (J)		
11/10/2020			0.21		<0.2		0.22	
11/20/2020				<0.2				<0.2
3/8/2021								<0.2
3/9/2021	<0.2	0.17 (J)		<0.2	0.26 (J)	1.1 (J)	0.17 (J)	
3/10/2021			0.18 (J)					
10/11/2021		0.18 (J)						
10/12/2021	<0.2				<0.2		0.15 (J)	<0.2
10/14/2021			0.19 (J)					
10/20/2021				0.29 (J)				
10/21/2021						1 (J)		
4/4/2022								
4/5/2022								

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-5	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/6/2022	<0.2	0.27			1.2 (J)	16	0.14 (J)	0.82 (J)
4/7/2022			0.2	6.4				
10/17/2022								
10/18/2022					0.084 (J)	0.73	0.091 (J)	<0.2
10/19/2022	0.065 (J)	0.12 (J)	0.15 (J)	0.22				
3/8/2023								
3/9/2023	0.12 (J)	0.077 (J)	0.08 (J)	0.11 (J)	0.14 (J)	0.59	0.066 (J)	
3/13/2023								0.081 (J)
10/19/2023								
10/20/2023	<0.2	0.13 (J)	0.15 (J)	<0.2	0.026 (J)	0.7	0.083 (J)	0.057 (J)
10/21/2023								
3/25/2024								
3/26/2024	0.28 (J)	0.15 (J)		<0.2	0.13 (J)		0.11 (J)	
3/28/2024			0.2			0.97 (J)		0.13 (J)
3/29/2024								
Mean	0.1529	0.1597	0.1756	0.5374	0.2825	1.642	0.1311	0.1641
Std. Dev.	0.06336	0.05278	0.04333	1.42	0.3956	3.384	0.0485	0.1714
Upper Lim.	0.2	0.2106	0.2174	0.27	0.22	1.1	0.1779	0.2
Lower Lim.	0.09	0.1087	0.1337	0.11	0.12	0.73	0.08429	0.06

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-2	APMW-2D	APMW-3	APMW-4	APMW-4D	APMW-5	APMW-5D
4/24/2018			<0.001		<0.001	<0.001			
4/25/2018	<0.001							<0.001	
6/13/2018	<0.001								
6/14/2018			<0.001		<0.001	<0.001		<0.001	
7/23/2018	<0.001								
7/24/2018			<0.001		<0.001	<0.001		<0.001	
9/1/2018	<0.001		<0.001		<0.001	<0.001		<0.001	
9/6/2018									
10/1/2018			<0.001		<0.001	<0.001			
10/2/2018	<0.001							<0.001	
11/1/2018	0.0011 (J)								
11/2/2018			<0.001		0.00048 (J)	0.00062 (J)		0.0011 (J)	
12/6/2018	0.0006 (J)					<0.001		0.00041 (J)	
12/7/2018			<0.001		<0.001				
2/13/2019	<0.001		<0.001		<0.001	<0.001		0.00036 (J)	
4/5/2019									
4/15/2019									
5/2/2019									
5/14/2019									
5/29/2019									
6/12/2019									
6/19/2019									
6/25/2019									
8/8/2019	<0.001		<0.001		<0.001				
8/9/2019						<0.001		<0.001	
8/30/2019	<0.001		<0.001		<0.001	<0.001		<0.001	
3/16/2020			<0.001		<0.001	<0.001			
3/17/2020	<0.001							<0.001	
7/11/2020				0.000555 (J)					
7/13/2020		0.00116 (J)							
7/14/2020							<0.001		
7/30/2020									0.00203
11/5/2020			<0.001	0.00024 (J)	<0.001				
11/9/2020						<0.001	<0.001	<0.001	0.00099 (J)
11/10/2020									
11/20/2020	<0.001	0.00089 (J)							
3/8/2021	0.00016 (J)	0.00086 (J)	<0.001	0.00016 (J)					
3/9/2021					<0.001	<0.001	<0.001	<0.001	0.00026 (J)
10/11/2021									0.00019 (J)
10/12/2021	<0.001	0.00063 (J)	<0.001	0.0002 (J)				<0.001	
10/14/2021						<0.001	<0.001		
10/20/2021									
10/21/2021					<0.001				
4/5/2022	0.00019 (J)	0.00058 (J)	0.00022 (J)	0.00045 (J)	0.00043 (J)		0.00029 (J)		
4/6/2022						<0.001		<0.001	0.00026 (J)
4/7/2022									
10/17/2022			<0.001						
10/18/2022	<0.001	0.00045 (J)		<0.001	<0.001		<0.001		
10/19/2022						<0.001		<0.001	0.00018 (J)
3/8/2023			<0.001	<0.001	<0.001	<0.001	<0.001		
3/9/2023								<0.001	<0.001
3/13/2023	<0.001	<0.001							

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-2	APMW-2D	APMW-3	APMW-4	APMW-4D	APMW-5	APMW-5D
10/19/2023			<0.001	<0.001	<0.001	<0.001	<0.001		
10/20/2023								<0.001	0.0003 (J)
10/21/2023	<0.001	0.0003 (J)							
3/25/2024			<0.001	<0.001	<0.001				
3/26/2024						<0.001	<0.001	<0.001	<0.001
3/28/2024									
3/29/2024	<0.001	<0.001							
Mean	0.0008974	0.0007633	0.0009589	0.0006228	0.0009426	0.00098	0.0009211	0.0009405	0.00069
Std. Dev.	0.000272	0.000287	0.0001789	0.000378	0.000172	8.718E-05	0.0002367	0.0001973	0.0006235
Upper Lim.	0.0011	0.0009303	0.001	0.001	0.001	0.001	0.001	0.0011	0.00203
Lower Lim.	0.0006	0.0004267	0.00022	0.00016	0.00048	0.00062	0.00029	0.00041	0.00018

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-9
4/24/2018				
4/25/2018		<0.001	<0.001	<0.001
6/13/2018				<0.001
6/14/2018		<0.001	<0.001	
7/23/2018			<0.001	<0.001
7/24/2018		<0.001		
9/1/2018				
9/6/2018		<0.001	<0.001	<0.001
10/1/2018				
10/2/2018		<0.001	<0.001	<0.001
11/1/2018			0.0016	<0.001
11/2/2018		0.0019		
12/6/2018		<0.001	0.0013	0.00039 (J)
12/7/2018				
2/13/2019		<0.001	<0.001	<0.001
4/5/2019	<0.001 (D)			
4/15/2019	<0.001			
5/2/2019	<0.001			
5/14/2019	<0.001			
5/29/2019	<0.001			
6/12/2019	<0.001			
6/19/2019	<0.001			
6/25/2019	<0.001			
8/8/2019				0.00013 (J)
8/9/2019	<0.001	<0.001	<0.001	
8/30/2019	0.00032 (J)	<0.001	<0.001	<0.001
3/16/2020				
3/17/2020	<0.001	<0.001	<0.001	<0.001
7/11/2020				
7/13/2020				
7/14/2020				
7/30/2020				
11/5/2020				
11/9/2020			<0.001	
11/10/2020		<0.001		
11/20/2020	<0.001			<0.001
3/8/2021				<0.001
3/9/2021	<0.001	<0.001	<0.001	
10/11/2021				
10/12/2021		<0.001		<0.001
10/14/2021				
10/20/2021	<0.001			
10/21/2021			<0.001	
4/5/2022				
4/6/2022		<0.001	<0.001	<0.001
4/7/2022	<0.001			
10/17/2022				
10/18/2022		<0.001	<0.001	<0.001
10/19/2022	<0.001			
3/8/2023				
3/9/2023	<0.001	<0.001	0.00075 (J)	
3/13/2023				<0.001

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-6R	APMW-7	APMW-8	APMW-9
10/19/2023				
10/20/2023	<0.001	<0.001	<0.001	<0.001
10/21/2023				
3/25/2024				
3/26/2024	<0.001	<0.001		
3/28/2024			<0.001	<0.001
3/29/2024				
Mean	0.0009642	0.001047	0.001034	0.0009221
Std. Dev.	0.000156	0.0002065	0.000165	0.0002373
Upper Lim.	0.001	0.0019	0.0013	0.001
Lower Lim.	0.00032	0.001	0.00075	0.00039

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D
4/24/2018				0.029		0.11		0.079	
4/25/2018	0.021								
6/13/2018	0.013								
6/14/2018				0.023		0.073		0.055	
7/23/2018	0.015								
7/24/2018				0.023		0.079		0.057	
9/1/2018	0.015			0.022		0.088		0.054	
9/6/2018									
10/1/2018				0.026		0.091		0.063	
10/2/2018	0.017								
11/1/2018	0.038								
11/2/2018				0.024 (J)		0.081		0.077	
12/6/2018	0.011							0.054	
12/7/2018				0.022		0.072			
2/13/2019	0.012			0.02		0.071		0.053	
3/16/2019			0.013						
3/27/2019			0.014						
4/3/2019			0.01						
4/5/2019									
4/15/2019			0.012						
5/2/2019			0.013						
5/14/2019			0.011						
5/28/2019			<0.05						
5/29/2019									
6/12/2019			0.012						
6/19/2019									
6/25/2019									
8/8/2019	0.018		0.012	0.031		0.076			
8/9/2019								0.061	
8/30/2019	0.01		0.011	0.022		0.072		0.052	
3/16/2020			0.013	0.03		0.07		0.053	
3/17/2020	0.017								
7/11/2020					0.0103				
7/13/2020		0.0136					0.00778		
7/14/2020									0.0522
7/30/2020									
11/4/2020			0.014						
11/5/2020				0.031	0.01	0.07			
11/9/2020							0.006	0.049	0.043
11/10/2020									
11/20/2020	0.013	0.011							
3/8/2021	0.01	0.022	0.013	0.03	0.0091				
3/9/2021						0.075	0.0098	0.051	0.044
3/10/2021									
10/11/2021							0.02		
10/12/2021	0.0056	0.019	0.014	0.028	0.0079				
10/14/2021								0.052	0.11
10/20/2021									
10/21/2021						0.0665 (D)			
4/4/2022			0.023 (J)						
4/5/2022	0.012	0.012		0.037	0.01	0.081	0.014		0.073
4/6/2022								0.046	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D
4/7/2022									
10/17/2022			0.016	0.032					
10/18/2022	0.01	0.012			0.011	0.056	0.016		0.068
10/19/2022								0.049	
3/8/2023			0.019	0.036	0.011	0.077	0.012	0.041	0.072
3/9/2023									
3/13/2023	0.01	<0.005							
10/19/2023			0.018 (J)	0.037	0.011 (J)	0.072	0.012 (J)	0.039	0.074
10/20/2023									
10/21/2023	0.013 (J)	0.012 (J)							
3/25/2024			0.017	0.037	0.0096	0.076			
3/26/2024							0.014	0.042	0.072
3/28/2024									
3/29/2024	0.0083	0.012							
Mean	0.01415	0.0129	0.01474	0.02842	0.009989	0.07666	0.0124	0.05405	0.06758
Std. Dev.	0.006862	0.005426	0.004053	0.005719	0.001029	0.01111	0.004261	0.01045	0.02033
Upper Lim.	0.01693	0.01814	0.01652	0.03177	0.01098	0.08258	0.01651	0.05966	0.0872
Lower Lim.	0.01034	0.007661	0.01235	0.02507	0.008996	0.07013	0.008284	0.04787	0.04795

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-5	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/24/2018								
4/25/2018	0.069				0.004 (J)	0.13		0.0039 (J)
6/13/2018								0.0027 (J)
6/14/2018	0.046				0.0026 (J)	0.085		
7/23/2018						0.09		0.0041 (J)
7/24/2018	0.049				0.003 (J)			
9/1/2018	0.045							
9/6/2018					0.0029 (J)	0.099		0.0035 (J)
10/1/2018								
10/2/2018	0.052				0.0021 (J)	0.095		0.004 (J)
11/1/2018						0.16		0.018 (o)
11/2/2018	0.074				0.014 (o)			
12/6/2018	0.044				<0.005	0.082		<0.005
12/7/2018								
2/13/2019	0.045				0.0018 (J)	0.08		0.0026 (J)
3/16/2019								
3/27/2019								
4/3/2019								
4/5/2019				0.051 (D)				
4/15/2019				0.054				
5/2/2019				0.055				
5/14/2019				0.047				
5/28/2019								
5/29/2019				0.055				
6/12/2019				0.062				
6/19/2019				0.059				
6/25/2019				0.052				
8/8/2019								0.0053
8/9/2019	0.049			0.063	<0.005	0.086		
8/30/2019	0.044			0.059	<0.005	0.068		<0.005
3/16/2020								
3/17/2020	0.044			0.056	0.0071	0.08		0.0077
7/11/2020								
7/13/2020							<0.005	
7/14/2020			0.00696					
7/30/2020		0.00791						
11/4/2020								
11/5/2020								
11/9/2020	0.044	0.0076				0.08		
11/10/2020			0.0063		0.0048 (J)		0.0044 (J)	
11/20/2020				0.055				0.0035 (J)
3/8/2021								0.0045 (J)
3/9/2021	0.048	0.0099		0.057	0.004 (J)	0.073	0.005	
3/10/2021			0.0059					
10/11/2021		0.0075						
10/12/2021	0.039				0.0036 (J)		<0.005	<0.005
10/14/2021			0.0061					
10/20/2021				0.0535 (D)				
10/21/2021						0.0735 (D)		
4/4/2022								
4/5/2022								
4/6/2022	0.046	0.0088			0.0043 (J)	0.075	0.0032 (J)	0.0084

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

	APMW-5	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/7/2022			0.011	0.057				
10/17/2022								
10/18/2022					0.0041 (J)	0.07	0.0021 (J)	0.0046 (J)
10/19/2022	0.035	0.0077	0.0069	0.05				
3/8/2023								
3/9/2023	0.04	0.0085	0.01	0.054	0.0071	0.067	0.0071	
3/13/2023								0.0053
10/19/2023								
10/20/2023	0.039	0.0064 (J)	0.0079 (J)	0.056	0.0033 (J)	0.071	0.0033 (J)	0.0036 (J)
10/21/2023								
3/25/2024								
3/26/2024	0.036	0.0076		0.058	0.0058		0.0049 (J)	
3/28/2024			0.012			0.076		0.0031 (J)
3/29/2024								
Mean	0.04674	0.00799	0.008118	0.05545	0.004194	0.08634	0.004444	0.004544
Std. Dev.	0.009814	0.0009828	0.002294	0.003933	0.001511	0.02299	0.001438	0.001531
Upper Lim.	0.049	0.008939	0.01026	0.05775	0.004437	0.095	0.005511	0.004947
Lower Lim.	0.04	0.007041	0.005993	0.05314	0.00283	0.071	0.002746	0.003247

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-1R	APMW-5	APMW-7	APMW-8	APMW-9
4/25/2018	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
6/13/2018	<0.0002					<0.0002
6/14/2018			<0.0002	<0.0002	<0.0002	
7/23/2018	<0.0002				<0.0002	<0.0002
7/24/2018			<0.0002	<0.0002		
9/1/2018	8.5E-05 (J)		9.3E-05 (J)			
9/6/2018				9E-05 (J)	7.7E-05 (J)	0.00035
10/2/2018	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
11/1/2018	<0.0002				<0.0002	<0.0002
11/2/2018			<0.0002	<0.0002		
12/6/2018	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
2/13/2019	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
3/16/2019		<0.0002				
3/27/2019		<0.0002				
4/3/2019		<0.0002				
4/15/2019		0.00015 (J)				
5/2/2019		<0.0002				
5/14/2019		<0.0002				
5/28/2019		<0.0002				
6/12/2019		<0.0002				
8/8/2019	<0.0002	<0.0002				<0.0002
8/9/2019			<0.0002	<0.0002	<0.0002	
11/4/2020		<0.0002				
11/9/2020			<0.0002		<0.0002	
11/10/2020				<0.0002		
11/20/2020	<0.0002					<0.0002
3/8/2021	<0.0002	<0.0002				<0.0002
3/9/2021			<0.0002	<0.0002	<0.0002	
10/12/2021	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
10/21/2021					<0.0002	
4/4/2022		<0.0002				
4/5/2022	<0.0002					
4/6/2022			<0.0002	<0.0002	<0.0002	<0.0002
10/17/2022		<0.0002				
10/18/2022	<0.0002			<0.0002	<0.0002	<0.0002
10/19/2022			<0.0002			
3/8/2023		<0.0002				
3/9/2023			<0.0002	<0.0002	<0.0002	
3/13/2023	<0.0002					<0.0002
10/19/2023		<0.0002				
10/20/2023			<0.0002	<0.0002	<0.0002	<0.0002
10/21/2023	<0.0002					
3/25/2024		<0.0002				
3/26/2024			<0.0002	<0.0002		
3/28/2024					<0.0002	<0.0002
3/29/2024	<0.0002					
Mean	0.0001932	0.0001971	0.0001937	0.0001935	0.0001928	0.0002088
Std. Dev.	2.789E-05	1.213E-05	2.595E-05	2.668E-05	2.983E-05	3.638E-05
Upper Lim.	0.0002	0.0002	0.0002	0.0002	0.0002	0.00035
Lower Lim.	8.5E-05	0.00015	9.3E-05	9E-05	7.7E-05	0.0002

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D	APMW-5
4/24/2018			<0.015		0.073		0.011 (J)		
4/25/2018	0.11								0.056
6/13/2018	0.09								
6/14/2018			<0.015		0.068		0.0083 (J)		0.048
7/23/2018	0.11								
7/24/2018			<0.015		0.065		0.0075 (J)		0.078
9/1/2018	0.11		<0.015		0.05		0.0082 (J)		0.081
9/6/2018									
10/1/2018			<0.015		0.061		0.0088 (J)		
10/2/2018	0.1								0.07
11/1/2018	0.11								
11/2/2018			<0.015		0.062		0.0083 (J)		0.1
12/6/2018	0.1						0.0093 (J)		0.069
12/7/2018			<0.015		0.062				
2/13/2019	0.085		<0.015		0.061		0.0093 (J)		0.1
4/5/2019									
4/15/2019									
5/2/2019									
5/14/2019									
5/29/2019									
6/12/2019									
6/19/2019									
6/25/2019									
8/8/2019	0.11		0.00079 (J)		0.073				
8/9/2019							0.012		0.15
8/30/2019	0.078		<0.015		0.065		0.011		0.088
3/16/2020			<0.015		0.072		0.01		
3/17/2020	0.081								0.079
7/11/2020				0.00558 (J)					
7/13/2020		0.00884 (J)				<0.015			
7/14/2020								0.257	
7/30/2020									
11/5/2020			<0.015	0.0038 (J)	0.067				
11/9/2020						0.0022 (J)	0.0084 (J)	0.35	0.11
11/10/2020									
11/20/2020	0.059	0.017							
3/8/2021	0.055	0.0096 (J)	<0.015	0.0018 (J)					
3/9/2021					0.076	0.0012 (J)	0.0059 (J)	0.37	0.072
3/10/2021									
10/11/2021						<0.015			
10/12/2021	0.033	0.0099 (J)	<0.015	0.0011 (J)					0.074
10/14/2021							0.0042 (J)	0.23	
10/20/2021									
10/21/2021					0.0705 (D)				
4/5/2022	0.043	0.0058 (J)	<0.015	0.0011 (J)	0.071	0.0007 (J)		0.25	
4/6/2022							0.005 (J)		0.074
4/7/2022									
10/17/2022			<0.015						
10/18/2022	0.03	0.0033 (J)		0.0016 (J)	0.05	0.00072 (J)		0.18	
10/19/2022							0.0043 (J)		0.039
3/8/2023			<0.015	0.0011 (J)	0.064	0.00074 (J)	0.0042 (J)	0.2	
3/9/2023									0.15

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-2	APMW-2D	APMW-3	APMW-3D	APMW-4	APMW-4D	APMW-5
3/13/2023	0.033	<0.015							
10/19/2023			<0.015	0.0013 (J)	0.076	0.00096 (J)	0.0047 (J)	0.18	
10/20/2023									0.18
10/21/2023	0.037 (J)	0.0031 (J)							
3/25/2024			<0.015	0.00099 (J)	0.055				
3/26/2024						0.00078 (J)	0.0029 (J)	0.16	0.17
3/28/2024									
3/29/2024	0.027	0.0027 (J)							
Mean	0.07374	0.007527	0.01425	0.002041	0.06534	0.004144	0.007542	0.2419	0.09411
Std. Dev.	0.03223	0.004543	0.00326	0.001588	0.007807	0.006172	0.002703	0.07471	0.0405
Upper Lim.	0.11	0.01191	0.015	0.00558	0.06991	0.015	0.009125	0.314	0.114
Lower Lim.	0.037	0.00314	0.00079	0.00099	0.06077	0.0007	0.005959	0.1698	0.0694

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
4/24/2018							
4/25/2018				0.00096 (J)	0.18		<0.015
6/13/2018							<0.015
6/14/2018				0.0062 (J)	0.17		
7/23/2018					0.17		<0.015
7/24/2018				0.0063 (J)			
9/1/2018							
9/6/2018				<0.015	0.15		<0.015
10/1/2018							
10/2/2018				<0.015	0.15		0.0009 (J)
11/1/2018					0.16		<0.015
11/2/2018				0.0066 (J)			
12/6/2018				0.0062 (J)	0.14		<0.015
12/7/2018							
2/13/2019				0.0047 (J)	0.13		<0.015
4/5/2019			0.41 (D)				
4/15/2019			0.4				
5/2/2019			0.3				
5/14/2019			0.36				
5/29/2019			0.4				
6/12/2019			0.34				
6/19/2019			0.41				
6/25/2019			0.37				
8/8/2019							<0.015
8/9/2019			0.48	<0.015	0.12		
8/30/2019			0.42	<0.015	0.11		0.00093 (J)
3/16/2020							
3/17/2020			0.47	<0.015	0.094		<0.015
7/11/2020							
7/13/2020						<0.015	
7/14/2020		<0.015					
7/30/2020	<0.015						
11/5/2020							
11/9/2020	0.0012 (J)				0.072		
11/10/2020		0.00081 (J)		<0.015		0.00067 (J)	
11/20/2020			0.42				<0.015
3/8/2021							<0.015
3/9/2021	0.00091 (J)		0.48	<0.015	0.069	<0.015	
3/10/2021		0.0011 (J)					
10/11/2021	0.0008 (J)						
10/12/2021				<0.015		<0.015	<0.015
10/14/2021		0.0012 (J)					
10/20/2021			0.45 (D)				
10/21/2021					0.056 (D)		
4/5/2022							
4/6/2022	0.00078 (J)			<0.015	0.053	0.0011 (J)	<0.015
4/7/2022		0.00098 (J)	0.5				
10/17/2022							
10/18/2022				<0.015	0.039	0.0012 (J)	<0.015
10/19/2022	0.0014 (J)	0.0019 (J)	0.44				
3/8/2023							
3/9/2023	0.00085 (J)	0.0017 (J)	0.58	<0.015	0.018	0.00086 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals

Plant Watson Data: Plant Watson AP CCR

	APMW-5D	APMW-6D	APMW-6R	APMW-7	APMW-8	APMW-8D	APMW-9
3/13/2023							<0.015
10/19/2023							
10/20/2023	0.0012 (J)	0.0023 (J)	0.67	0.00089 (J)	0.11	0.0011 (J)	<0.015
10/21/2023							
3/25/2024							
3/26/2024	0.0011 (J)		0.7	<0.015		0.00086 (J)	
3/28/2024		0.0023 (J)			0.14		<0.015
3/29/2024							
Mean	0.001749	0.002199	0.4526	0.01115	0.1122	0.005643	0.01352
Std. Dev.	0.002167	0.002064	0.1032	0.005384	0.04891	0.007019	0.004441
Upper Lim.	0.0075	0.003282	0.5071	0.015	0.1408	0.015	0.015
Lower Lim.	0.00078	0.0009051	0.3916	0.0062	0.08352	0.00067	0.00093

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-2	APMW-3	APMW-3D	APMW-4	APMW-5	APMW-7	APMW-8	APMW-9
4/24/2018		<0.005	0.0016		0.00055 (J)				
4/25/2018	0.00061 (J)					0.00071 (J)	0.00046 (J)	0.00042 (J)	0.00081 (J)
6/13/2018	0.00034 (J)								0.00027 (J)
6/14/2018		0.00061 (J)	0.0019		0.00068 (J)	0.0006 (J)	0.00039 (J)	0.00049 (J)	
7/23/2018	0.00035 (J)							0.0006 (J)	0.00041 (J)
7/24/2018		0.00037 (J)	0.00087 (J)		0.00036 (J)	0.0006 (J)	0.00036 (J)		
9/1/2018	<0.005	<0.005	0.001 (J)		<0.005	<0.005			
9/6/2018							<0.005	<0.005	<0.005
10/1/2018		<0.005	<0.005		<0.005				
10/2/2018	<0.005					<0.005	<0.005	<0.005	<0.005
11/1/2018	<0.005							<0.005	<0.005
11/2/2018		0.00072 (J)	0.001 (J)		<0.005	<0.005	<0.005		
12/6/2018	<0.005				<0.005	<0.005	<0.005	<0.005	<0.005
12/7/2018		<0.005	0.0011 (J)						
2/13/2019	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005
8/8/2019	<0.005	<0.005	0.0017 (J)						<0.005
8/9/2019					<0.005	<0.005	<0.005	<0.005	
8/30/2019	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005
3/16/2020		<0.005	<0.005		<0.005				
3/17/2020	<0.005					<0.005	<0.005	<0.005	<0.005
7/13/2020				<0.005					
11/5/2020		<0.005	<0.005						
11/9/2020				<0.005	<0.005	<0.005		<0.005	
11/10/2020							<0.005		
11/20/2020	<0.005								<0.005
3/8/2021	<0.005	<0.005							<0.005
3/9/2021			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
10/11/2021				<0.005					
10/12/2021	<0.005	<0.005				<0.005	<0.005		<0.005
10/14/2021					<0.005				
10/21/2021			<0.005					<0.005	
4/5/2022	<0.005	<0.005	<0.005	<0.005					
4/6/2022					<0.005	<0.005	<0.005	<0.005	<0.005
10/17/2022		<0.005							
10/18/2022	<0.005		<0.005	<0.005			<0.005	<0.005	<0.005
10/19/2022					<0.005	<0.005			
3/8/2023		<0.005	0.0014 (J)	0.0012 (J)	<0.005				
3/9/2023						0.0016 (J)	<0.005	0.00076 (J)	
3/13/2023	<0.005								0.0012 (J)
10/19/2023		<0.005	<0.005	<0.005	<0.005				
10/20/2023						<0.005	<0.005	<0.005	<0.005
10/21/2023	<0.005								
3/25/2024		<0.005	<0.005						
3/26/2024				<0.005	<0.005	<0.005	<0.005		
3/28/2024								<0.005	<0.005
3/29/2024	<0.005								
Mean	0.004279	0.0043	0.003451	0.004578	0.004294	0.004132	0.004274	0.004067	0.004089
Std. Dev.	0.001712	0.001662	0.001881	0.001267	0.001675	0.001738	0.001722	0.001858	0.001821
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.00061	0.00072	0.0011	0.0012	0.00068	0.0016	0.00046	0.00076	0.0012

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-3	APMW-8	APMW-9
4/24/2018				<0.001	0.00012 (J)		
4/25/2018	<0.001					<0.001	<0.001
6/13/2018	<0.001						<0.001
6/14/2018				<0.001	<0.001	<0.001	
7/23/2018	<0.001					<0.001	<0.001
7/24/2018				<0.001	<0.001		
9/1/2018	<0.001			<0.001	<0.001		
9/6/2018						<0.001	<0.001
10/1/2018				<0.001	<0.001		
10/2/2018	<0.001					<0.001	<0.001
11/1/2018	<0.001					<0.001	<0.001
11/2/2018				<0.001	<0.001		
12/6/2018	<0.001					<0.001	<0.001
12/7/2018				<0.001	<0.001		
2/13/2019	<0.001			<0.001	<0.001	<0.001	<0.001
3/16/2019			<0.001				
3/27/2019			<0.001				
4/3/2019			<0.001				
4/15/2019			<0.001				
5/2/2019			<0.001				
5/14/2019			<0.001				
5/28/2019			<0.001				
6/12/2019			<0.001				
8/8/2019	0.00015 (J)		<0.001	0.00084 (J)	<0.001		<0.001
8/9/2019						0.00025 (J)	
8/30/2019	0.00058 (J)		<0.001	<0.001	<0.001	0.0013	0.0016
3/16/2020			<0.001	<0.001	<0.001		
3/17/2020	<0.001					<0.001	<0.001
7/13/2020		<0.001					
11/4/2020			0.00019 (J)				
11/5/2020				<0.001	<0.001		
11/9/2020						<0.001	
11/20/2020	<0.001	<0.001					<0.001
3/8/2021	0.00068 (J)	0.00057 (J)	<0.001	<0.001			0.00024 (J)
3/9/2021					<0.001	0.00017 (J)	
10/12/2021	<0.001	<0.001	<0.001	<0.001			<0.001
10/21/2021					<0.001	<0.001	
4/4/2022			<0.001				
4/5/2022	<0.001	<0.001		<0.001	<0.001		
4/6/2022						<0.001	<0.001
10/17/2022			<0.001	<0.001			
10/18/2022	<0.001	<0.001			<0.001	<0.001	<0.001
3/8/2023			<0.001	<0.001	<0.001		
3/9/2023						<0.001	
3/13/2023	<0.001	<0.001					<0.001
10/19/2023			<0.001	<0.001	<0.001		
10/20/2023						<0.001	<0.001
10/21/2023	<0.001	<0.001					
3/25/2024			<0.001	<0.001	<0.001		
3/28/2024						<0.001	<0.001
3/29/2024	<0.001	<0.001					
Mean	0.0009163	0.0009522	0.0009574	0.0009916	0.0009537	0.0009326	0.0009916

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 5/13/2024 4:09 PM View: Appendix IV - Confidence Intervals
Plant Watson Data: Plant Watson AP CCR

	APMW-10	APMW-10D	APMW-1R	APMW-2	APMW-3	APMW-8	APMW-9
Std. Dev.	0.0002196	0.0001433	0.0001858	3.671E-05	0.0002019	0.0002641	0.0002281
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.0013	0.0016
Lower Lim.	0.00068	0.00057	0.00019	0.00084	0.00012	0.00025	0.00024

FIGURE I.

Appendix IV - Trend Test Summary - Significant Results

Plant Watson Data: Plant Watson AP CCR Printed 5/9/2024, 2:15 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Arsenic (mg/L)	**APMW-10**	**-0.01841**	**-135**	**-58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-5D**	**0.002681**	**30**	**20**	**Yes**	**9**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-6R**	**0.03058**	**142**	**58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-8**	**-0.01549**	**-157**	**-58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-11 (bg)**	**-0.01193**	**-130**	**-58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-12 (bg)**	**-0.003367**	**-82**	**-58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-15 (bg)**	**-0.004534**	**-25**	**-20**	**Yes**	**9**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-2**	**0.136**	**95**	**58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	**APMW-1R**	**1.921**	**133**	**58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	**APMW-9**	**0.3958**	**99**	**58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**APMW-12 (bg)**	**0.001052**	**90**	**58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**APMW-3**	**-0.002188**	**-59**	**-58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**APMW-4**	**-0.002992**	**-127**	**-58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**APMW-8**	**-0.004384**	**-104**	**-58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**APMW-4D**	**-0.04174**	**-25**	**-20**	**Yes**	**9**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**APMW-6R**	**0.05564**	**115**	**58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**

Appendix IV - Trend Test Summary - All Results

Plant Watson Data: Plant Watson AP CCR Printed 5/9/2024, 2:15 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Arsenic (mg/L)	**APMW-10**	**-0.01841**	**-135**	**-58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	APMW-11 (bg)	0	27	58	No	19	84.21	n/a	n/a	0.05	NP
Arsenic (mg/L)	APMW-12 (bg)	-0.00007871	-31	-58	No	19	21.05	n/a	n/a	0.05	NP
Arsenic (mg/L)	APMW-13 (bg)	0	6	20	No	9	88.89	n/a	n/a	0.05	NP
Arsenic (mg/L)	APMW-14 (bg)	-0.0001448	-12	-20	No	9	44.44	n/a	n/a	0.05	NP
Arsenic (mg/L)	APMW-15 (bg)	-0.00008023	-7	-20	No	9	0	n/a	n/a	0.05	NP
Arsenic (mg/L)	APMW-16 (bg)	-0.00004359	-2	-20	No	9	0	n/a	n/a	0.05	NP
Arsenic (mg/L)	APMW-3	-0.00485	-52	-58	No	19	0	n/a	n/a	0.05	NP
Arsenic (mg/L)	APMW-5	-0.002622	-36	-58	No	19	0	n/a	n/a	0.05	NP
Arsenic (mg/L)	**APMW-5D**	**0.002681**	**30**	**20**	**Yes**	**9**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-6R**	**0.03058**	**142**	**58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**APMW-8**	**-0.01549**	**-157**	**-58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-11 (bg)**	**-0.01193**	**-130**	**-58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**APMW-12 (bg)**	**-0.003367**	**-82**	**-58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	APMW-13 (bg)	-0.01073	-9	-20	No	9	0	n/a	n/a	0.05	NP
Barium (mg/L)	APMW-14 (bg)	-0.005835	-7	-20	No	9	0	n/a	n/a	0.05	NP
Barium (mg/L)	**APMW-15 (bg)**	**-0.004534**	**-25**	**-20**	**Yes**	**9**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	APMW-16 (bg)	0.000476	5	20	No	9	0	n/a	n/a	0.05	NP
Barium (mg/L)	**APMW-2**	**0.136**	**95**	**58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	APMW-11 (bg)	-0.03413	-31	-58	No	19	5.263	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-12 (bg)	-0.02263	-17	-58	No	19	5.263	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-13 (bg)	0.2911	16	20	No	9	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-14 (bg)	0.5054	16	20	No	9	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-15 (bg)	-0.2195	-7	-20	No	9	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-16 (bg)	-0.2354	-12	-20	No	9	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	**APMW-1R**	**1.921**	**133**	**58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	APMW-2	0.05464	4	58	No	19	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	APMW-4D	0.1793	8	20	No	9	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	**APMW-9**	**0.3958**	**99**	**58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	APMW-11 (bg)	0.0003306	38	58	No	19	0	n/a	n/a	0.05	NP
Lithium (mg/L)	**APMW-12 (bg)**	**0.001052**	**90**	**58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	APMW-13 (bg)	-0.0002839	-4	-20	No	9	0	n/a	n/a	0.05	NP
Lithium (mg/L)	APMW-14 (bg)	-0.004948	-14	-20	No	9	55.56	n/a	n/a	0.05	NP
Lithium (mg/L)	APMW-15 (bg)	0.0003571	5	20	No	9	0	n/a	n/a	0.05	NP
Lithium (mg/L)	APMW-16 (bg)	-0.0003207	-8	-20	No	9	0	n/a	n/a	0.05	NP
Lithium (mg/L)	**APMW-3**	**-0.002188**	**-59**	**-58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**APMW-4**	**-0.002992**	**-127**	**-58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	APMW-4D	0.006329	13	20	No	9	0	n/a	n/a	0.05	NP
Lithium (mg/L)	APMW-6R	0.000486	20	58	No	19	0	n/a	n/a	0.05	NP
Lithium (mg/L)	**APMW-8**	**-0.004384**	**-104**	**-58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	APMW-11 (bg)	0	0	58	No	19	100	n/a	n/a	0.05	NP
Molybdenum (mg/L)	APMW-12 (bg)	0	0	58	No	19	100	n/a	n/a	0.05	NP
Molybdenum (mg/L)	APMW-13 (bg)	0	0	20	No	9	100	n/a	n/a	0.05	NP
Molybdenum (mg/L)	APMW-14 (bg)	0	0	20	No	9	100	n/a	n/a	0.05	NP
Molybdenum (mg/L)	APMW-15 (bg)	0	6	20	No	9	88.89	n/a	n/a	0.05	NP
Molybdenum (mg/L)	APMW-16 (bg)	0	6	20	No	9	88.89	n/a	n/a	0.05	NP
Molybdenum (mg/L)	**APMW-4D**	**-0.04174**	**-25**	**-20**	**Yes**	**9**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**APMW-6R**	**0.05564**	**115**	**58**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.05**	**NP**

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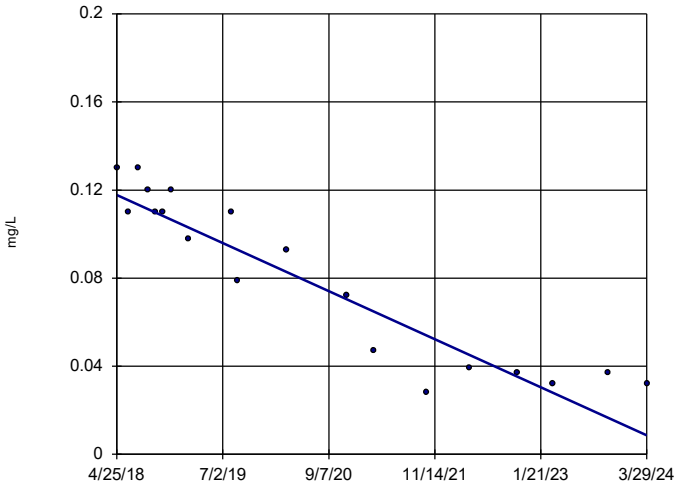
Sen's Slope Estimator

APMW-10



n = 19

Slope = -0.01841 units per year.

Mann-Kendall statistic = -135
critical = -58

Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

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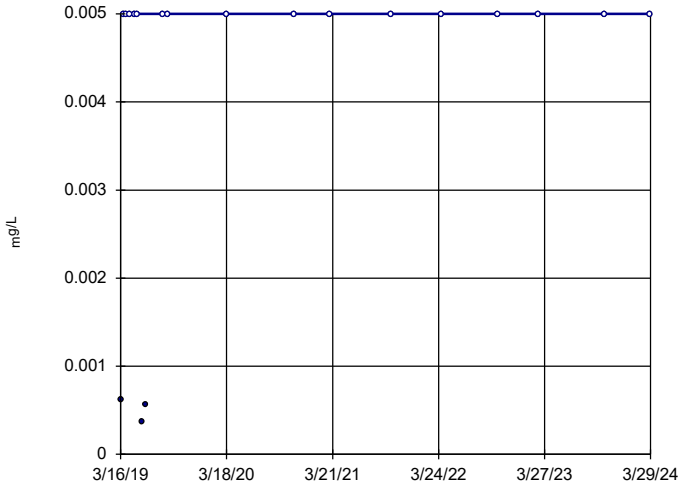
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-11 (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 27
critical = 58

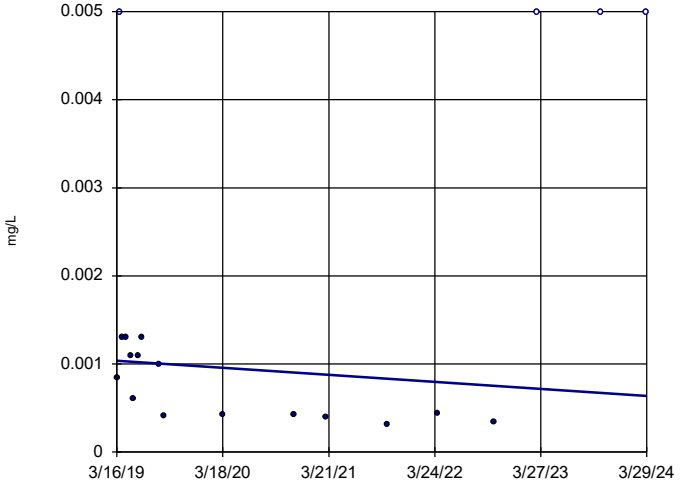
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-12 (bg)



n = 19

Slope = -0.00007871 units per year.

Mann-Kendall statistic = -31
critical = -58

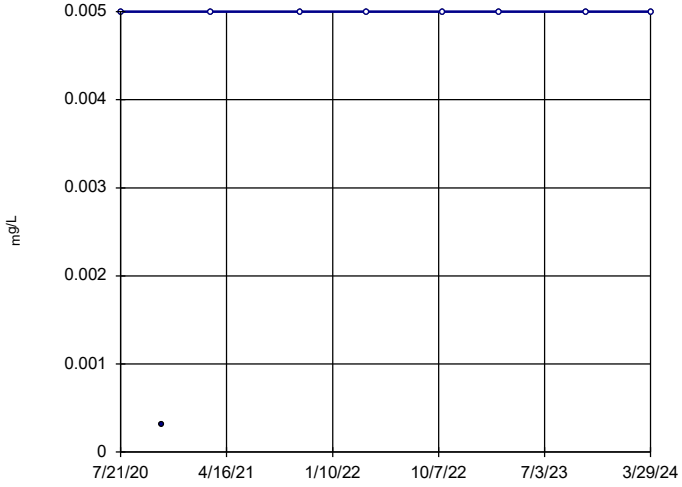
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-13 (bg)



n = 9

Slope = 0 units per year.

Mann-Kendall statistic = 6
critical = 20

Trend not significant at 95% confidence level (α = 0.025 per tail).

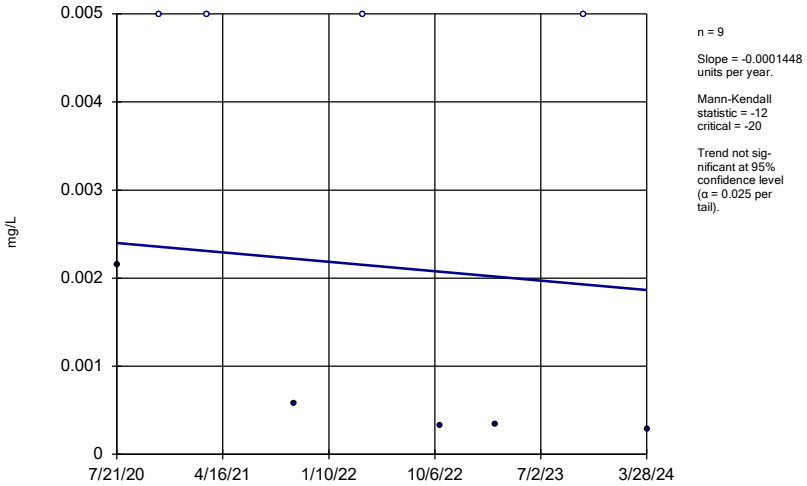
Constituent: Arsenic Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-14 (bg)



n = 9

Slope = -0.0001448 units per year.

Mann-Kendall statistic = -12
critical = -20

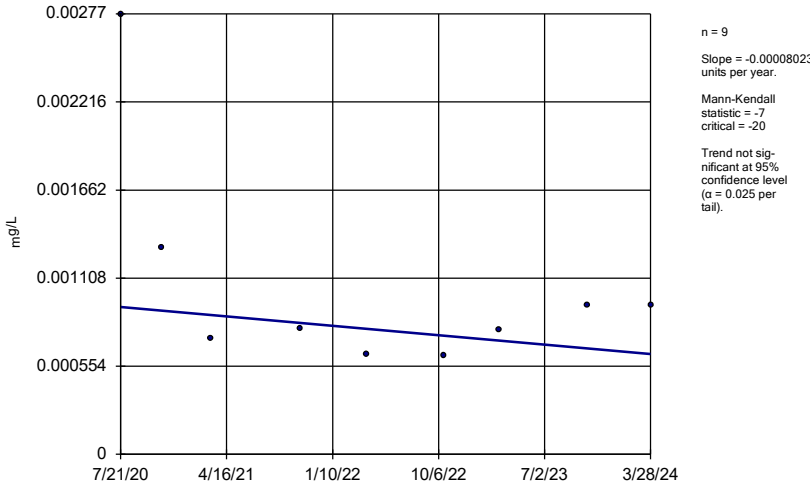
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-15 (bg)



n = 9

Slope = -0.00008023 units per year.

Mann-Kendall statistic = -7
critical = -20

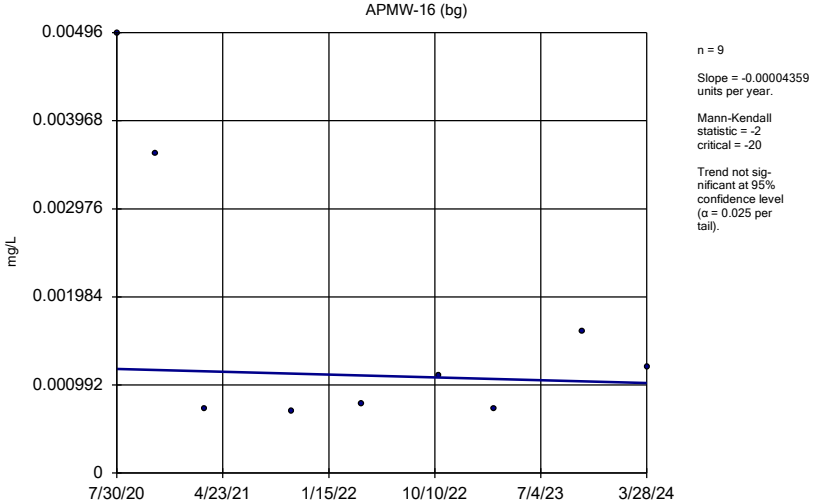
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-16 (bg)



n = 9

Slope = -0.00004359 units per year.

Mann-Kendall statistic = -2
critical = -20

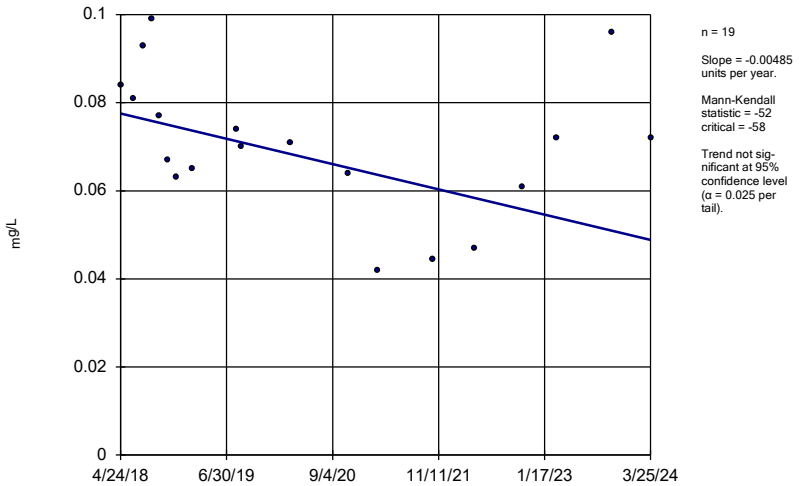
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-3



n = 19

Slope = -0.00485 units per year.

Mann-Kendall statistic = -52
critical = -58

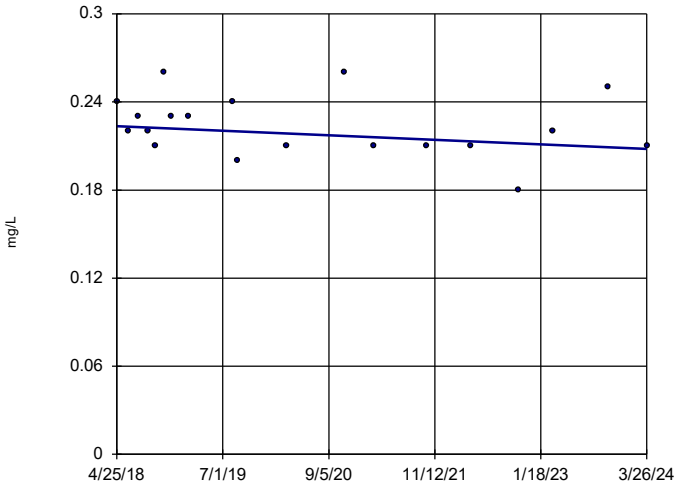
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-5



n = 19

Slope = -0.002622 units per year.

Mann-Kendall statistic = -36
critical = -58

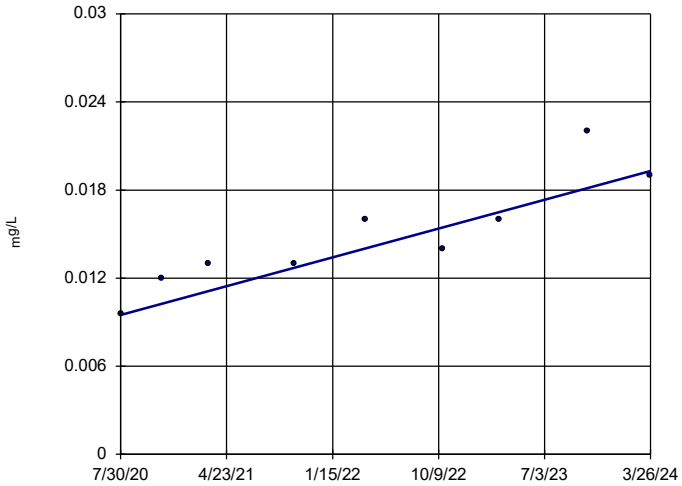
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-5D



n = 9

Slope = 0.002681 units per year.

Mann-Kendall statistic = 30
critical = 20

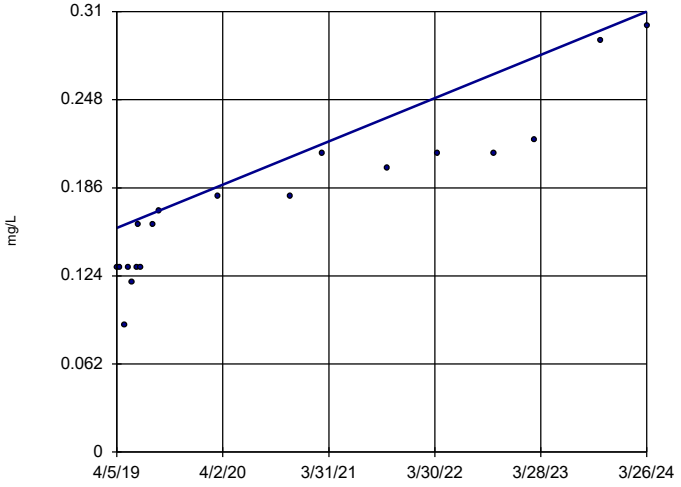
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-6R



n = 19

Slope = 0.03058 units per year.

Mann-Kendall statistic = 142
critical = 58

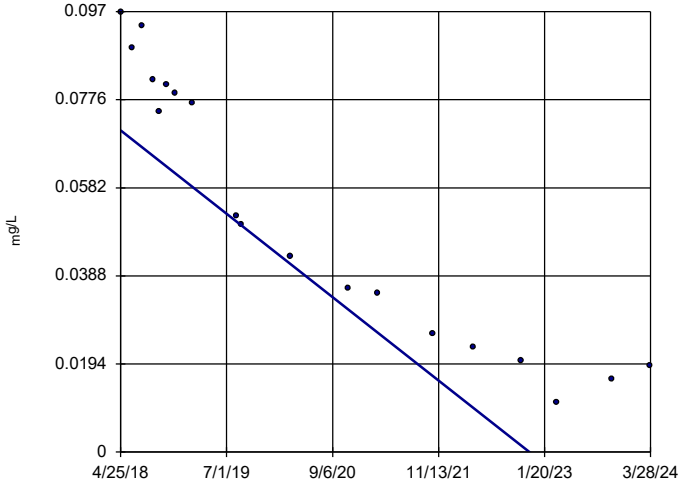
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-8



n = 19

Slope = -0.01549 units per year.

Mann-Kendall statistic = -157
critical = -58

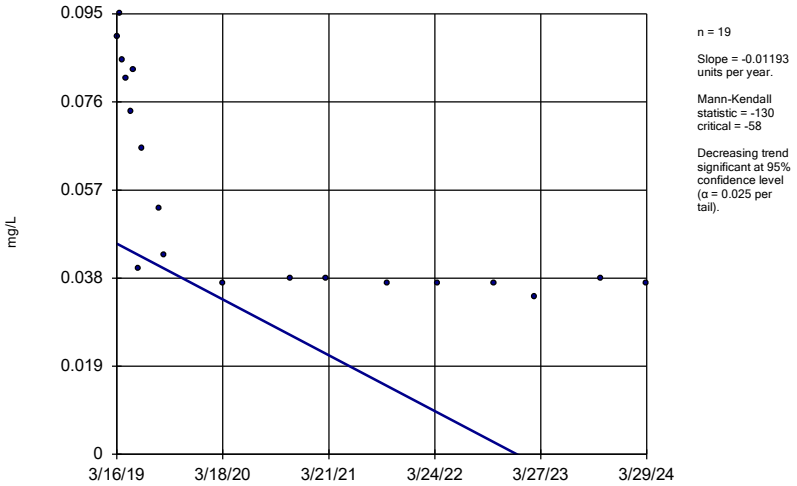
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-11 (bg)



n = 19

Slope = -0.01193 units per year.

Mann-Kendall statistic = -130
critical = -58

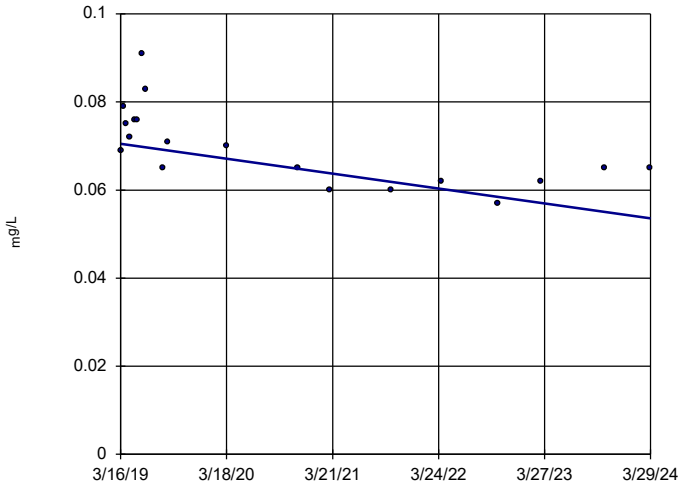
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-12 (bg)



n = 19

Slope = -0.003367 units per year.

Mann-Kendall statistic = -82
critical = -58

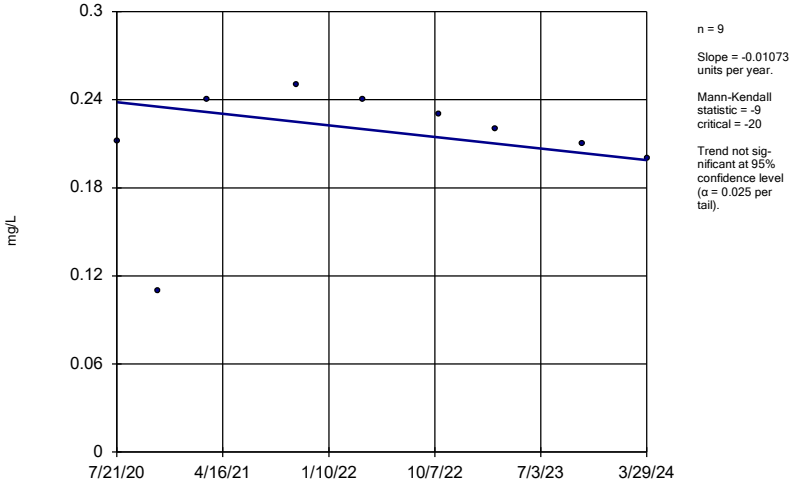
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-13 (bg)



n = 9

Slope = -0.01073 units per year.

Mann-Kendall statistic = -9
critical = -20

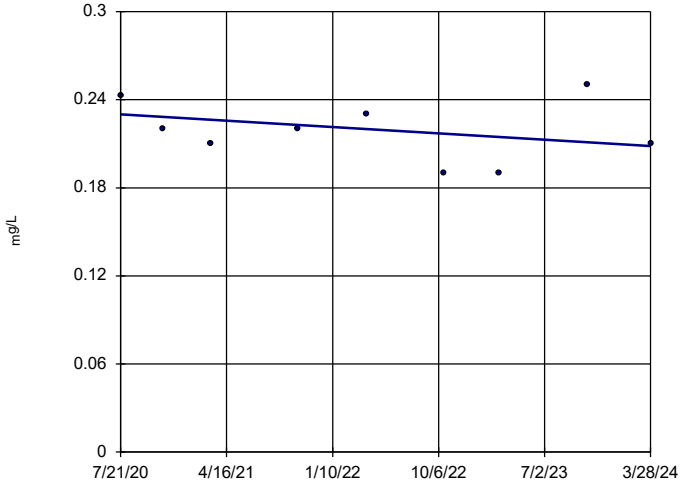
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-14 (bg)



n = 9

Slope = -0.005835 units per year.

Mann-Kendall statistic = -7
critical = -20

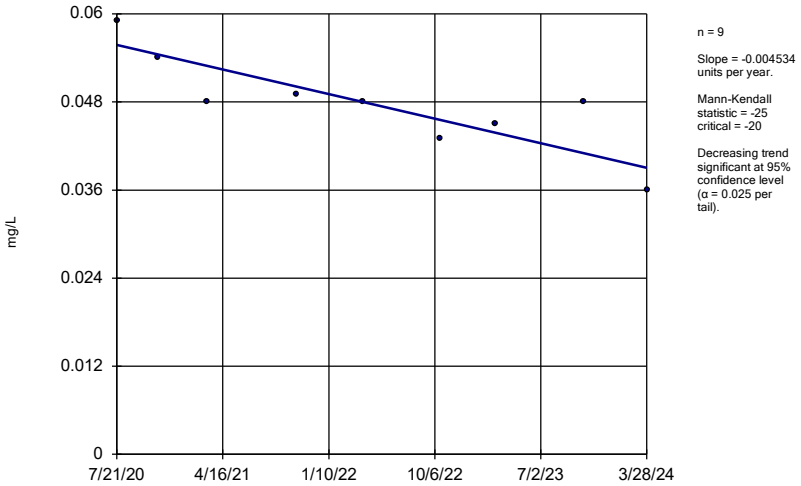
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-15 (bg)



n = 9

Slope = -0.004534 units per year.

Mann-Kendall statistic = -25
critical = -20

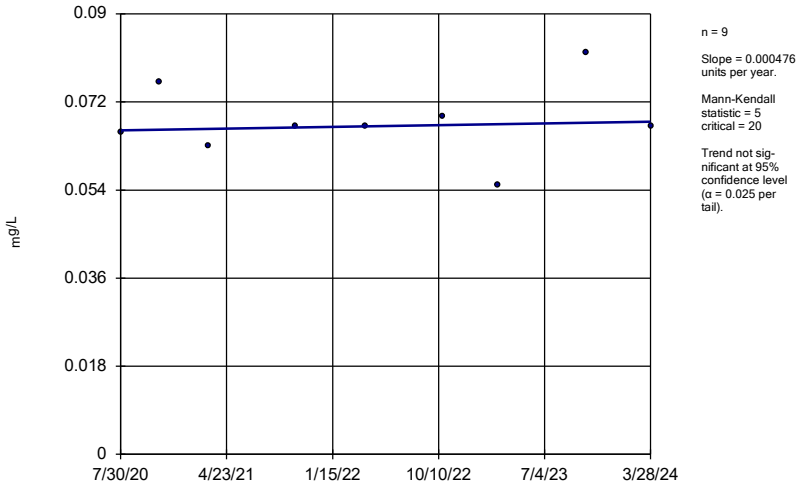
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-16 (bg)



n = 9

Slope = 0.000476 units per year.

Mann-Kendall statistic = 5
critical = 20

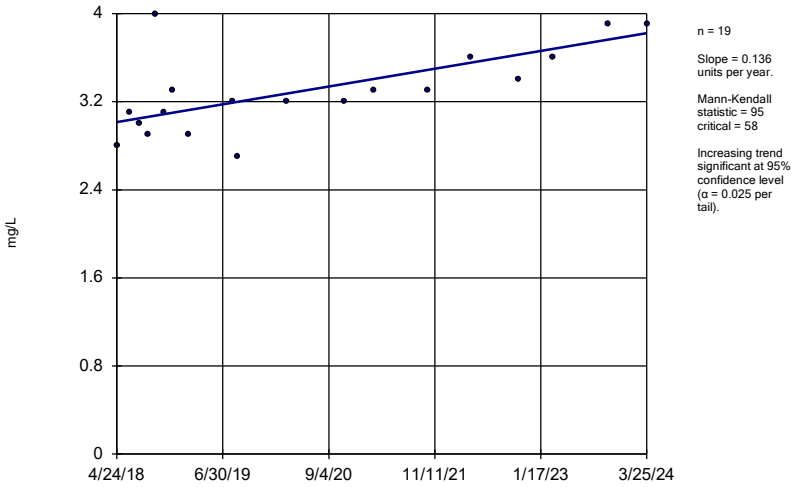
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-2



n = 19

Slope = 0.136 units per year.

Mann-Kendall statistic = 95
critical = 58

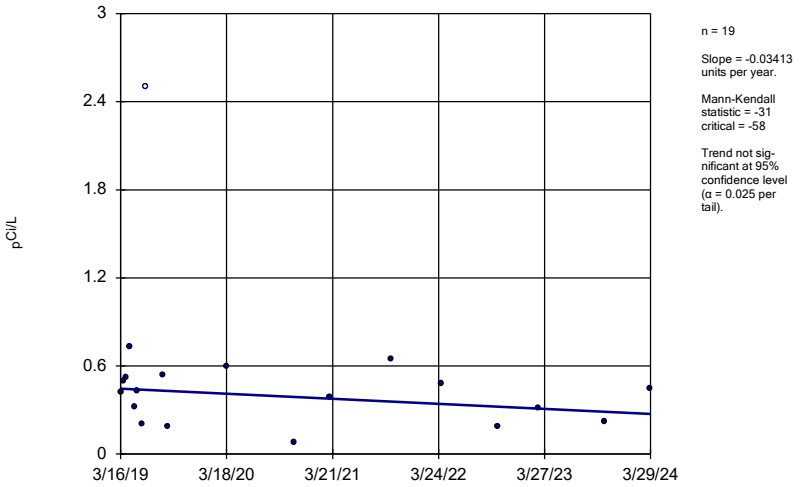
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-11 (bg)



n = 19

Slope = -0.03413 units per year.

Mann-Kendall statistic = -31
critical = -58

Trend not significant at 95% confidence level (α = 0.025 per tail).

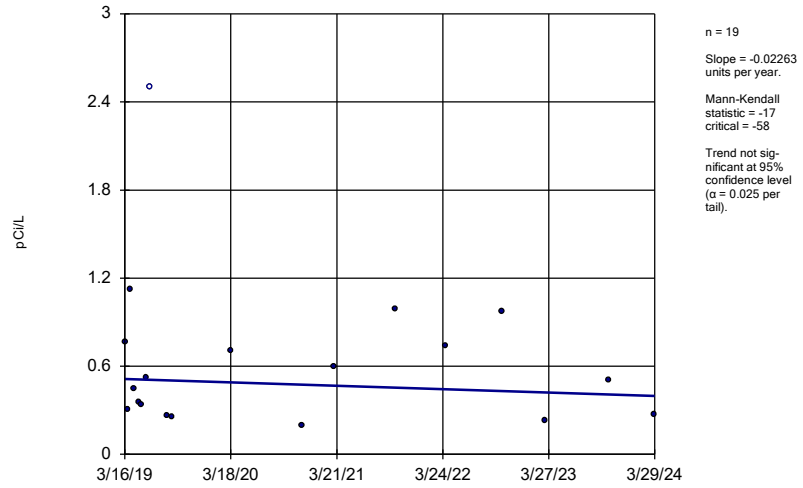
Constituent: Combined Radium 226 + 228 Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Test
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-12 (bg)



n = 19

Slope = -0.02263 units per year.

Mann-Kendall statistic = -17
critical = -58

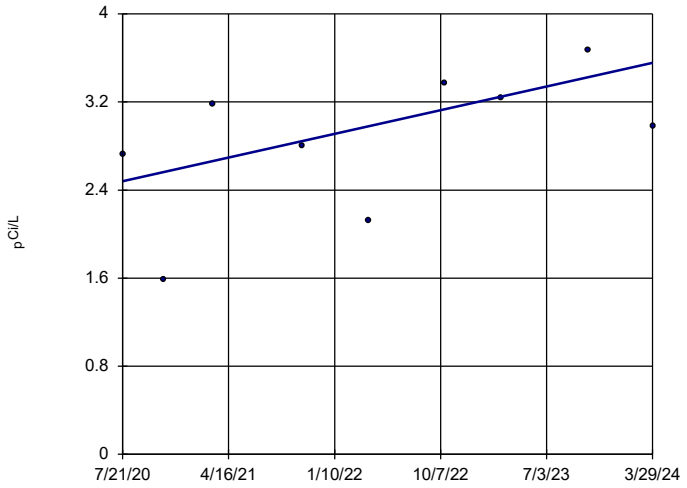
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Test
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-13 (bg)



n = 9

Slope = 0.2911 units per year.

Mann-Kendall statistic = 16
critical = 20

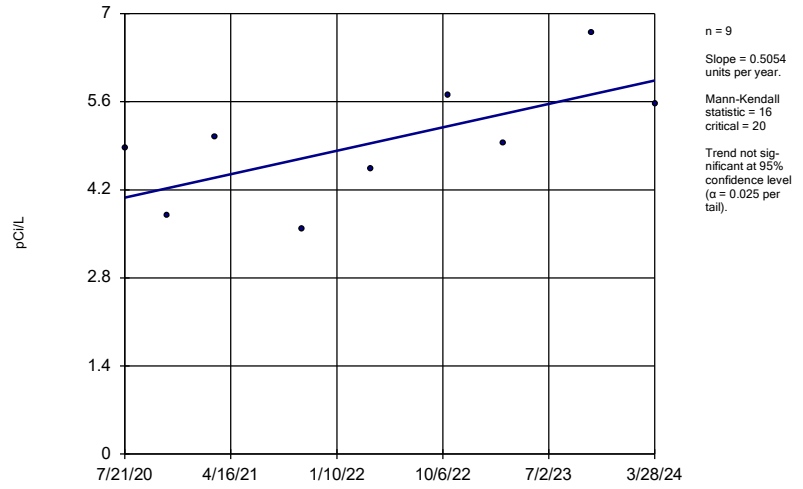
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Test
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-14 (bg)



n = 9

Slope = 0.5054 units per year.

Mann-Kendall statistic = 16
critical = 20

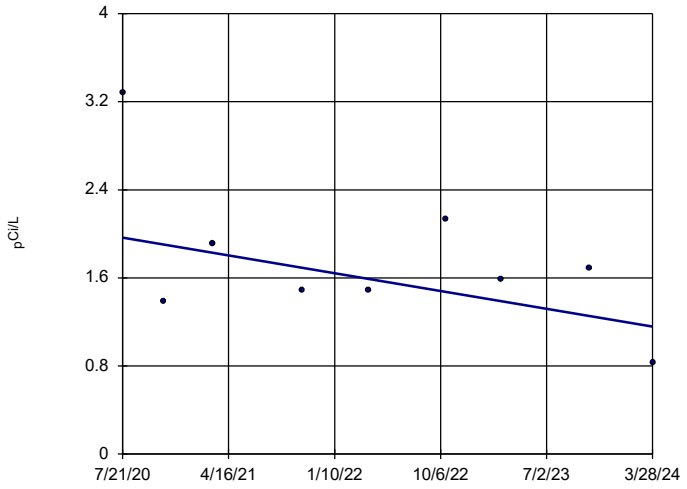
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Test
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-15 (bg)



n = 9

Slope = -0.2195 units per year.

Mann-Kendall statistic = -7
critical = -20

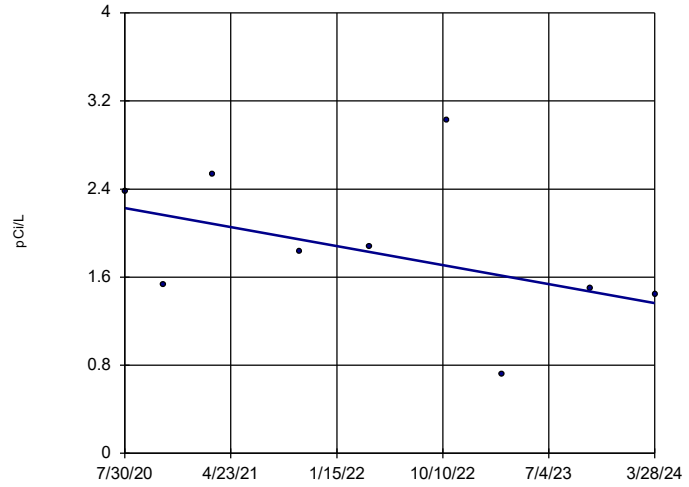
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Test
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-16 (bg)



n = 9

Slope = -0.2354 units per year.

Mann-Kendall statistic = -12
critical = -20

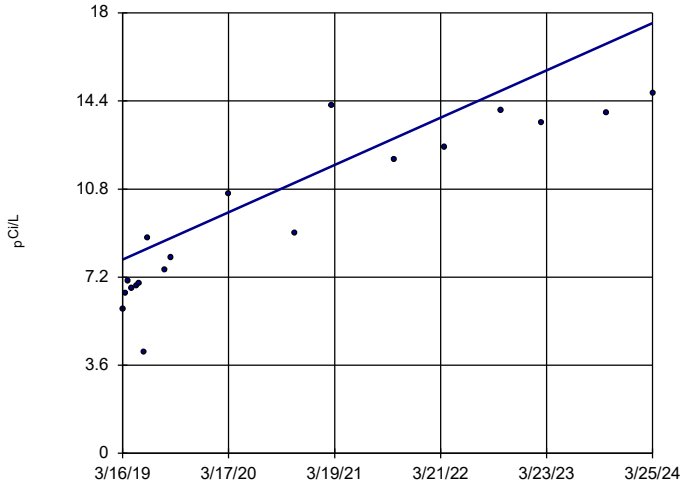
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Test
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-1R



n = 19

Slope = 1.921 units per year.

Mann-Kendall statistic = 133
critical = 58

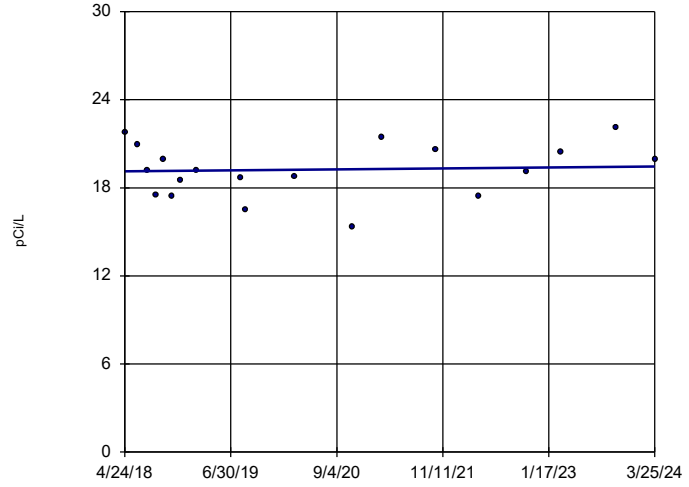
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Test
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-2



n = 19

Slope = 0.05464 units per year.

Mann-Kendall statistic = 4
critical = 58

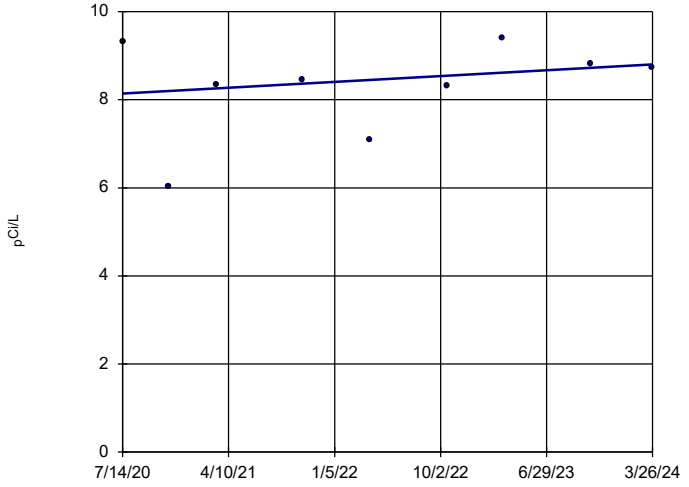
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Test
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-4D



n = 9

Slope = 0.1793 units per year.

Mann-Kendall statistic = 8
critical = 20

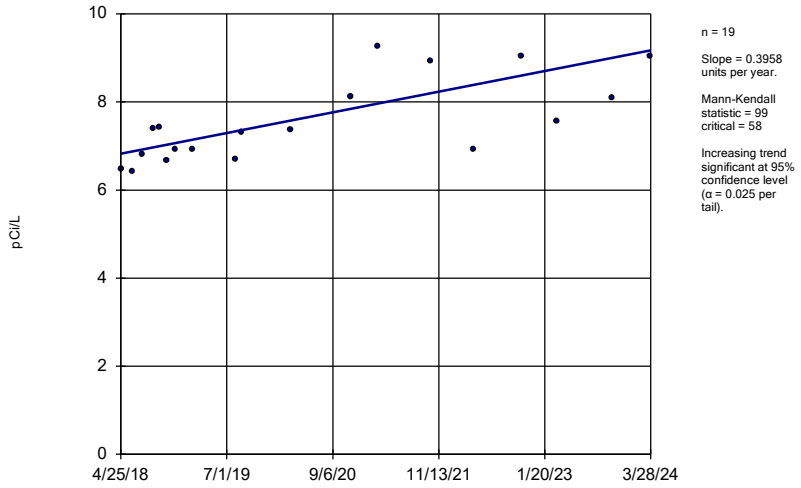
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Test
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-9



n = 19

Slope = 0.3958 units per year.

Mann-Kendall statistic = 99
critical = 58

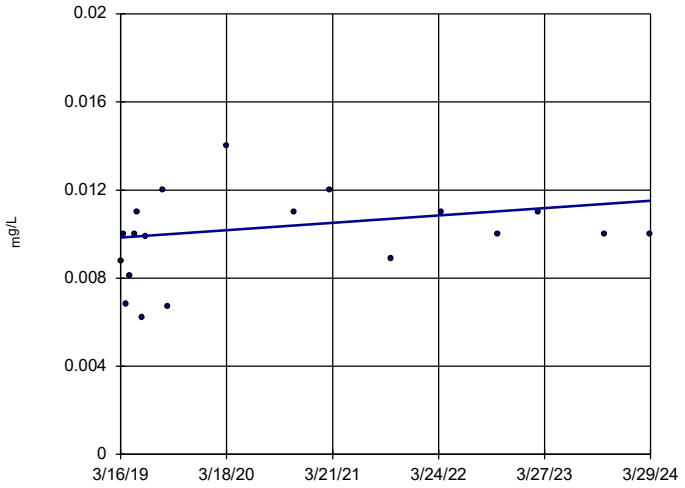
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Test
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-11 (bg)



n = 19

Slope = 0.0003306 units per year.

Mann-Kendall statistic = 38
critical = 58

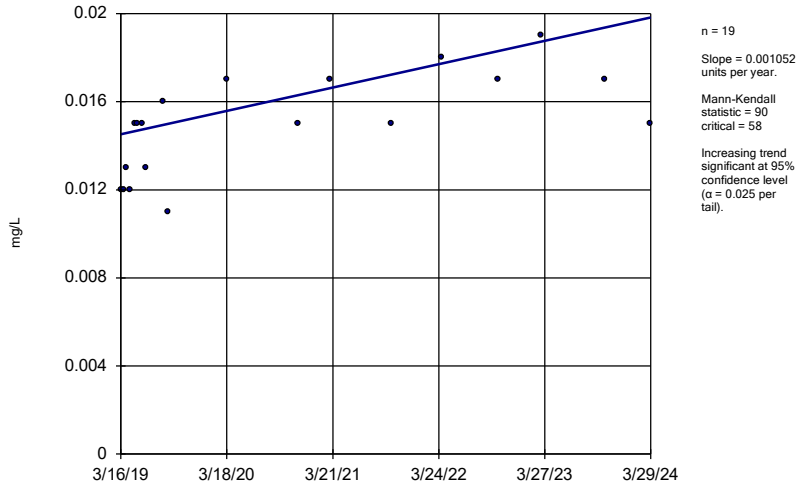
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-12 (bg)



n = 19

Slope = 0.001052 units per year.

Mann-Kendall statistic = 90
critical = 58

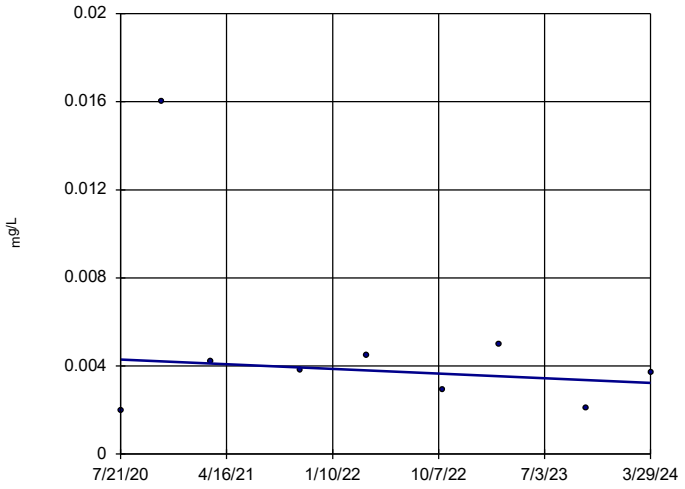
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-13 (bg)



n = 9

Slope = -0.0002839 units per year.

Mann-Kendall statistic = -4
critical = -20

Trend not significant at 95% confidence level (α = 0.025 per tail).

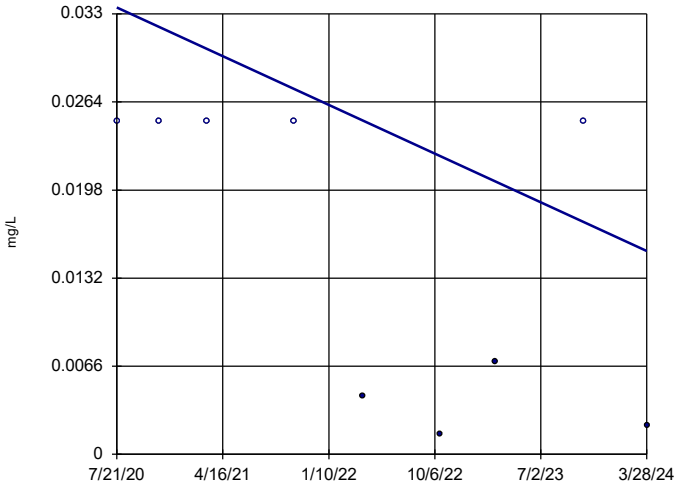
Constituent: Lithium Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-14 (bg)



n = 9

Slope = -0.004948 units per year.

Mann-Kendall statistic = -14
critical = -20

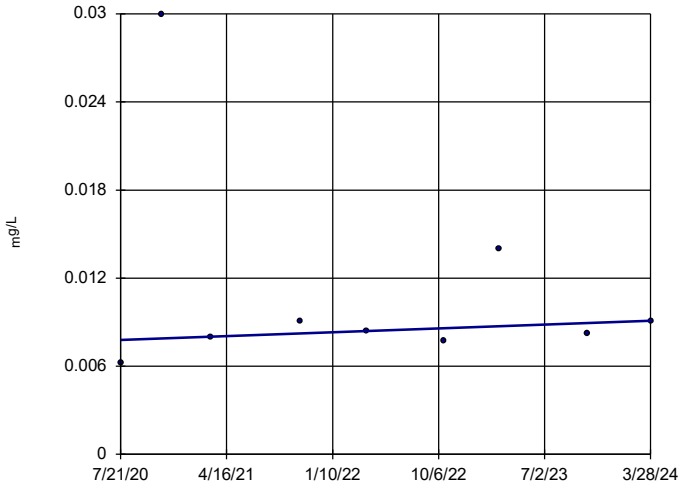
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-15 (bg)



n = 9

Slope = 0.0003571 units per year.

Mann-Kendall statistic = 5
critical = 20

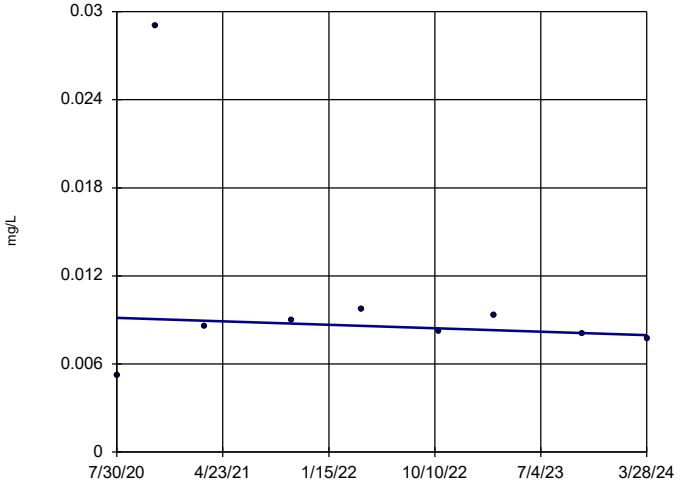
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-16 (bg)



n = 9

Slope = -0.0003207 units per year.

Mann-Kendall statistic = -8
critical = -20

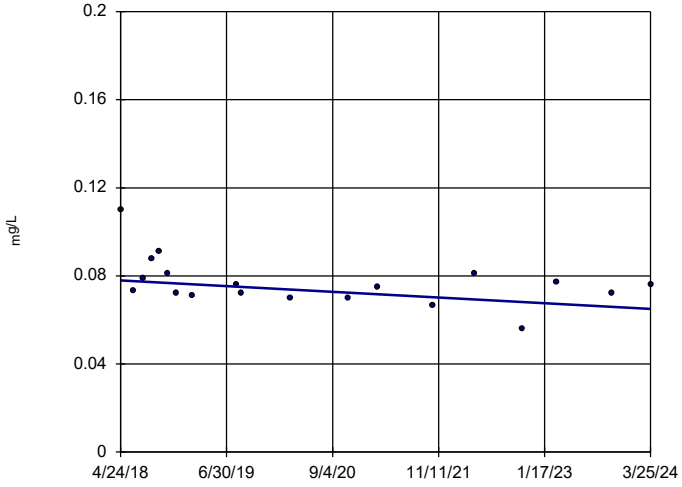
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-3



n = 19

Slope = -0.002188 units per year.

Mann-Kendall statistic = -59
critical = -58

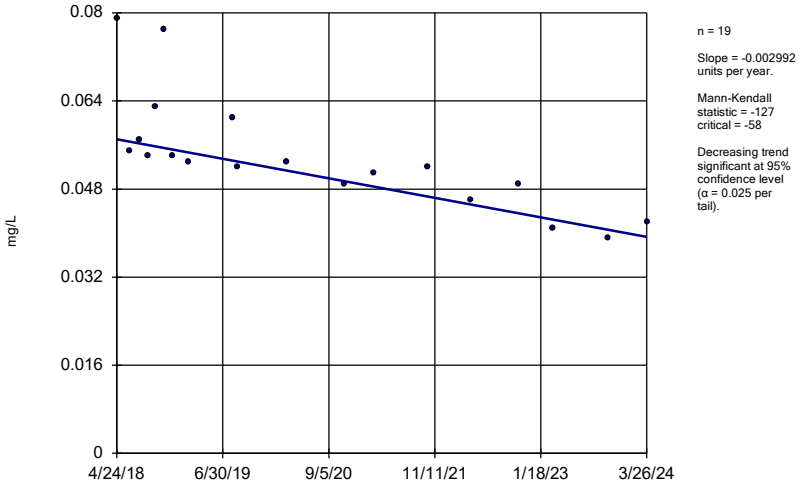
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-4



n = 19

Slope = -0.002992 units per year.

Mann-Kendall statistic = -127
critical = -58

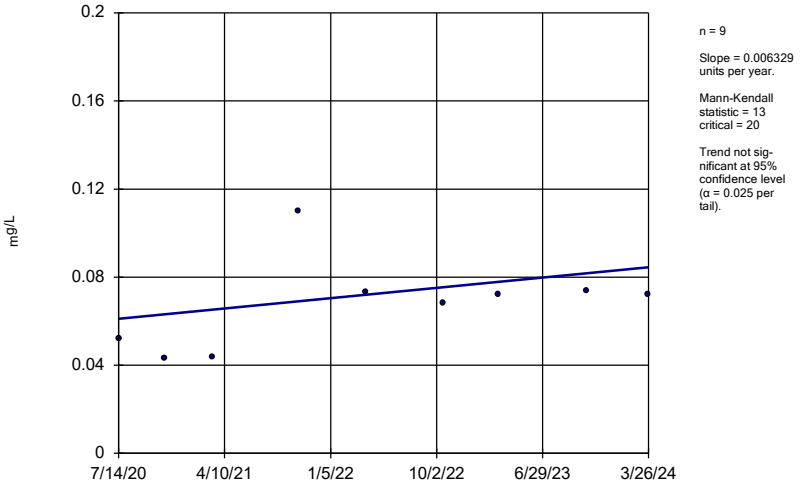
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-4D



n = 9

Slope = 0.006329 units per year.

Mann-Kendall statistic = 13
critical = 20

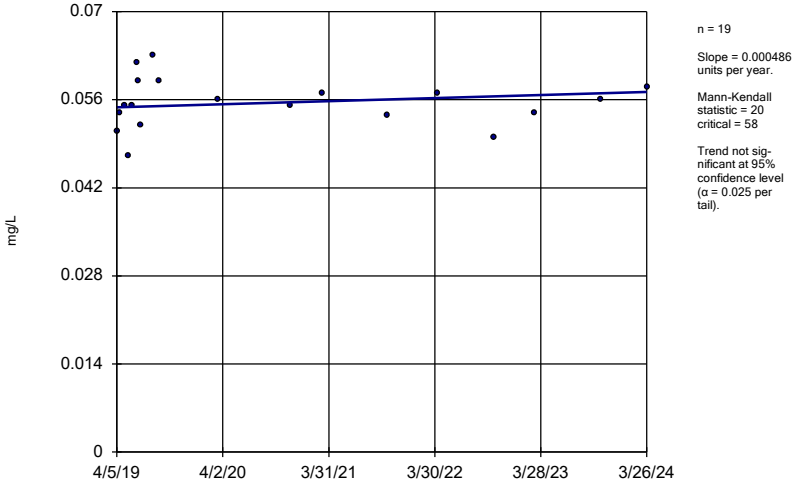
Trend not sig-nificant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-6R



n = 19

Slope = 0.000486 units per year.

Mann-Kendall statistic = 20
critical = 58

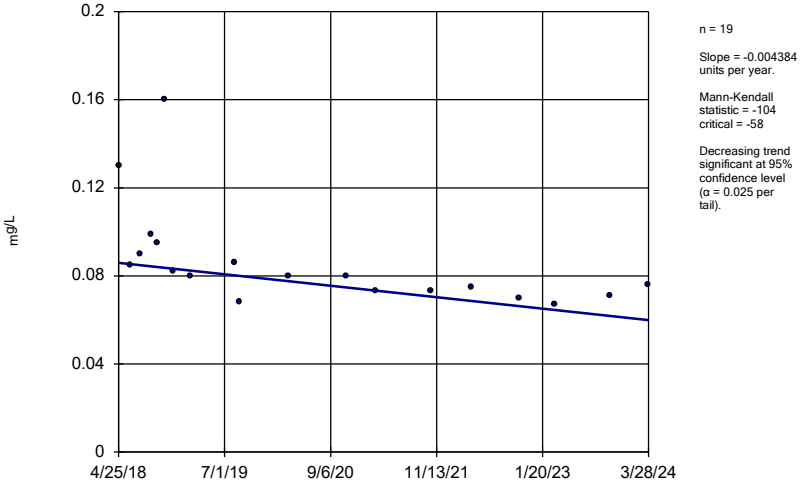
Trend not sig-nificant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-8



n = 19

Slope = -0.004384 units per year.

Mann-Kendall statistic = -104
critical = -58

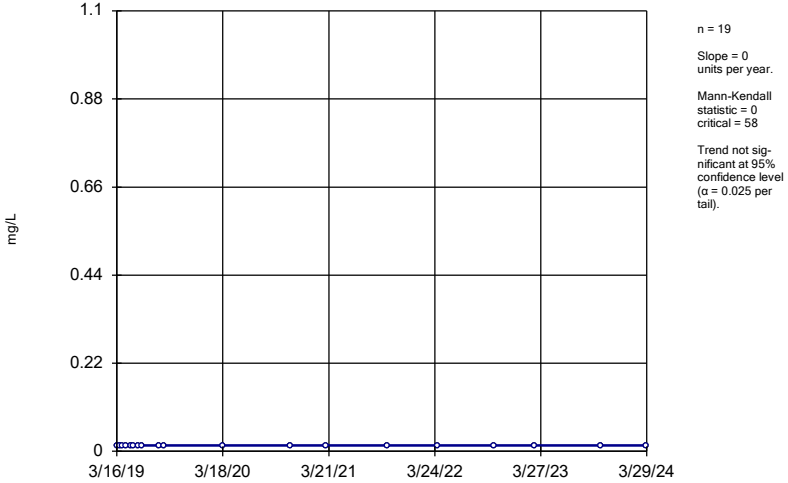
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-11 (bg)

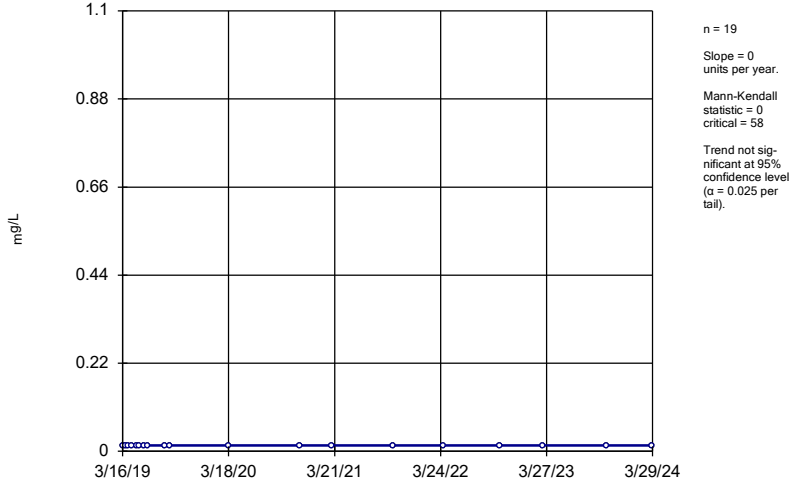


Constituent: Molybdenum Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-12 (bg)

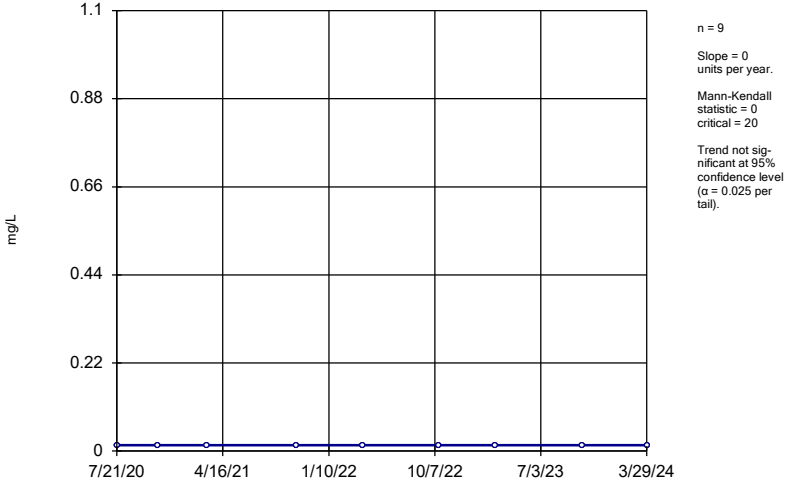


Constituent: Molybdenum Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-13 (bg)

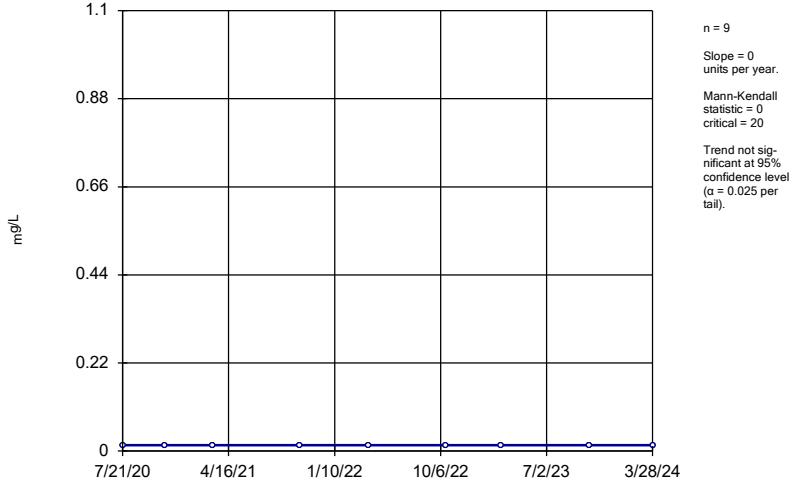


Constituent: Molybdenum Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-14 (bg)

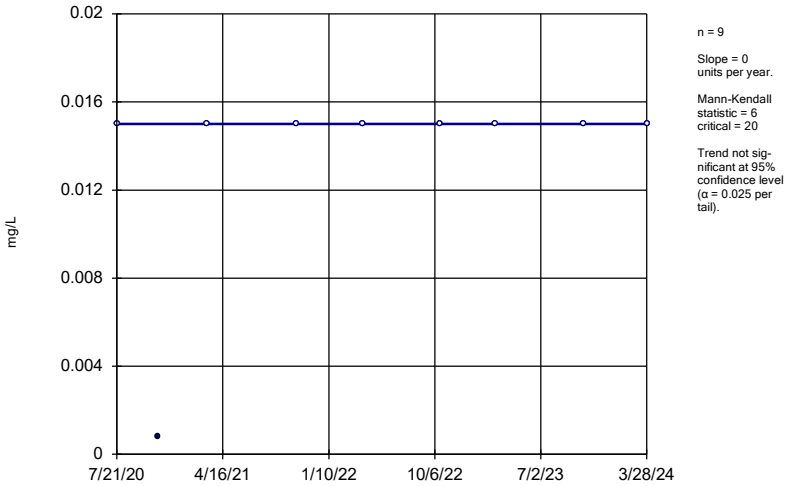


Constituent: Molybdenum Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-15 (bg)



n = 9

Slope = 0 units per year.

Mann-Kendall statistic = 6
critical = 20

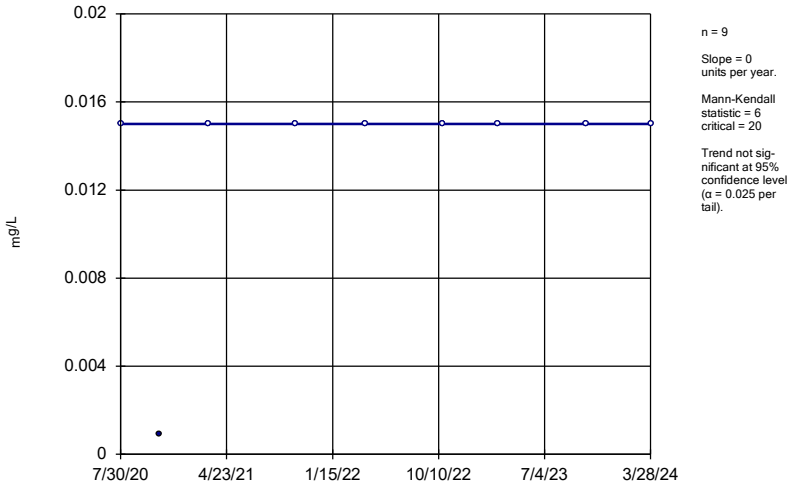
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

APMW-16 (bg)



n = 9

Slope = 0 units per year.

Mann-Kendall statistic = 6
critical = 20

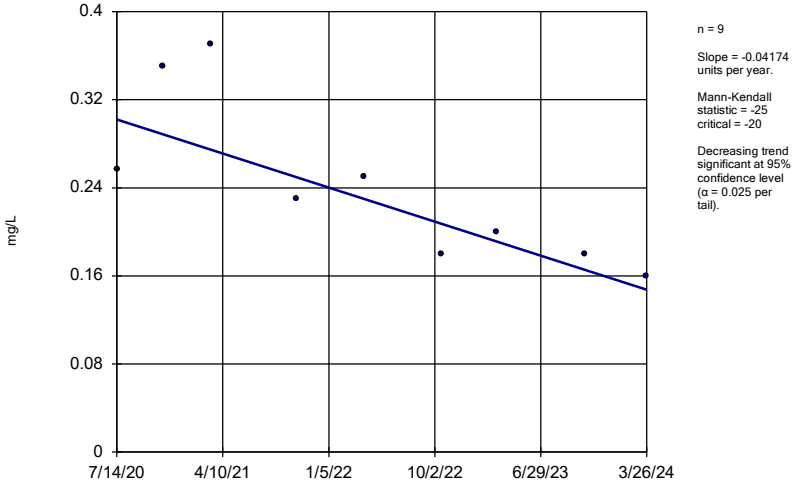
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-4D



n = 9

Slope = -0.04174 units per year.

Mann-Kendall statistic = -25
critical = -20

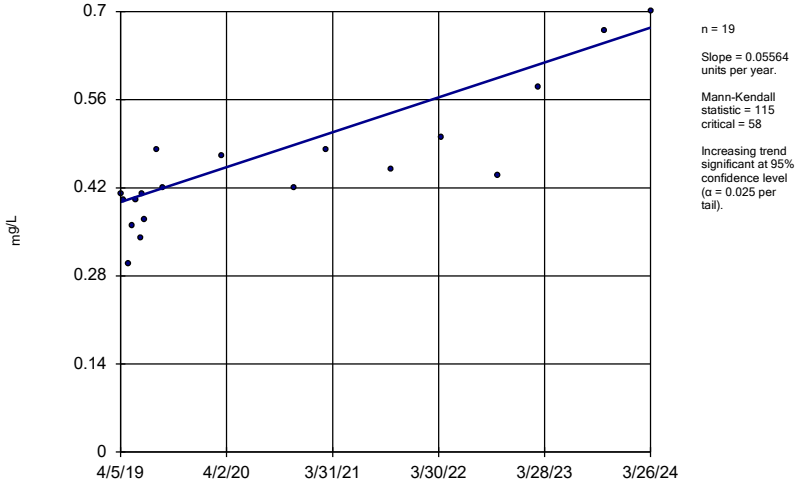
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR

Sanitas™ v.10.0.16 . UG

Sen's Slope Estimator

APMW-6R



n = 19

Slope = 0.05564 units per year.

Mann-Kendall statistic = 115
critical = 58

Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 5/9/2024 2:14 PM View: Appendix IV - Trend Tests
Plant Watson Data: Plant Watson AP CCR