



REPORT

2023 Semi-Annual Groundwater Monitoring and Corrective Action Report

Georgia Power Company - Plant McDonough-Atkinson Ash Pond 2 and 3/4

Submitted to:



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Certification

This 2023 Semi-Annual Groundwater Monitoring and Corrective Action Report, Plant McDonough-Atkinson Ash Pond 2 and 3/4 (AP-2, 3/4) has been prepared in compliance with the United States Environmental Protection Agency Coal Combustion Residual Rule (40 Code of Federal Regulations [CFR] 257 Subpart D), specifically § 257.90(e), and the Georgia Environmental Protection Division Rules for Solid Waste Management 391-3-4-.10 by a qualified groundwater scientist or engineer with WSP USA Inc. I hereby certify that I am a qualified groundwater scientist, in accordance with the Georgia Rules of Solid Waste Management 391-3-4-.01.

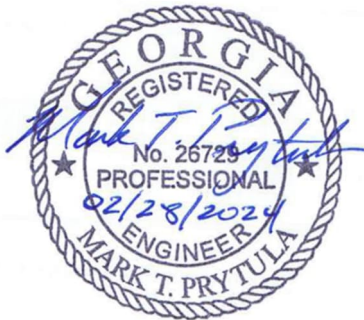
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Executive Summary

This summary of the *2023 Semi-Annual Groundwater Monitoring and Corrective Action Report* provides the status of the groundwater monitoring and corrective action program from July through December 2023 at Georgia Power Company's (Georgia Power) Plant McDonough-Atkinson Ash Pond 2 and Ash Pond 3/4 (AP-2 and 3/4). This summary was prepared by WSP USA, Inc. (WSP) (formerly Golder Associates USA Inc.) on behalf of Georgia Power to meet the requirements listed in Part A, Section 6¹ of the United States Environmental Protection Agency (US EPA) coal combustion residual (CCR) rule [40 Code of Federal Regulations (CFR) 257 Subpart D]. As required in 40 CFR § 257.90(e), this Semi-Annual Report describes the status of the groundwater monitoring program, summarizes key actions completed, and presents projected key activities for the upcoming year for AP-2 and 3/4. The other CCR unit (AP-1) at Plant McDonough-Atkinson (Plant McDonough) is reported separately.

Plant McDonough, formerly a coal-fired power generating facility, was converted to a natural gas combined-cycle power generating facility in 2011. Located approximately 7 miles northwest of Atlanta in southeast Cobb County (5551 South Cobb Drive SE, Smyrna, Georgia 30339), the property occupies approximately 390 acres and is bounded on the southeast by the Chattahoochee River.

Groundwater at AP-2 and 3/4 is monitored using a comprehensive well network of upgradient and downgradient wells that meet federal and state monitoring requirements. Routine sampling and reporting for AP-2 and 3/4 began after the background groundwater conditions were established between 2016 and 2018.

Based on groundwater quality, an assessment monitoring program and assessment of corrective measures were established on November 13, 2019, and June 9, 2020, respectively. During the 2023 second semi-annual reporting period, the Site remained in assessment monitoring as corrective measures are evaluated.

Groundwater elevation measurements were recorded from the Site monitoring wells prior to each sampling event to confirm the groundwater flow direction, and to confirm that the groundwater monitoring well network for the CCR units remains sufficient to monitor groundwater downgradient of the units.



Plant McDonough

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

2023 Semi-Annual Groundwater Monitoring Activities

There were no changes to the AP-2 and 3/4 certified detection monitoring network during this reporting period. The second 2023 semi-annual groundwater monitoring event for AP-2 and 3/4 was conducted in September 2023. Groundwater samples were collected and analyzed for Appendix III² and Appendix IV³ required monitoring parameters.

Analytical data from the September 2023 monitoring event has been statistically analyzed in accordance with the Site's certified statistical analysis method. For the September 2023 monitoring event, statistical analyses indicate statistically significant increases (SSIs) for Appendix III constituents above the statistical limits and statistically significant levels (SSLs) of Appendix IV constituents above the groundwater protection standards (GWPS) as summarized below.

| Appendix III Constituent | September 2023 SSIs ^[1] |
|---------------------------------|--|
| Boron | DGWC-2, DGWC-4, DGWC-5, DGWC-8, DGWC-9, DGWC-10, DGWC-11, DGWC-12, DGWC-13, DGWC-15, DGWC-17, DGWC-19, DGWC-20, DGWC-21, DGWC-22, DGWC-23, DGWC-42, DGWC-48 |
| Calcium | DGWC-4, DGWC-5, DGWC-9, DGWC-10, DGWC-11, DGWC-19, DGWC-20, DGWC-21, DGWC-22, DGWC-23, DGWC-48 |
| Chloride | DGWC-4, DGWC-5, DGWC-8, DGWC-9, DGWC-10, DGWC-11, DGWC-13, DGWC-15, DGWC-17, DGWC-19, DGWC-20, DGWC-21, DGWC-22, DGWC-23, DGWC-42 |
| Fluoride | DGWC-9, DGWC-10, DGWC-20, DGWC-47, DGWC-48 |
| pH | DGWC-5, DGWC-8, DGWC-9, DGWC-10, DGWC-17, DGWC-19, DGWC-20, DGWC-42, DGWC-47, DGWC-48 |
| Sulfate | DGWC-2, DGWC-4, DGWC-5, DGWC-8, DGWC-9, DGWC-10, DGWC-11, DGWC-12, DGWC-13, DGWC-15, DGWC-17, DGWC-19, DGWC-20, DGWC-21, DGWC-22, DGWC-23, DGWC-42, DGWC-47, DGWC-48 |
| TDS | DGWC-4, DGWC-5, DGWC-9, DGWC-10, DGWC-11, DGWC-12, DGWC-15, DGWC-17, DGWC-19, DGWC-20, DGWC-21, DGWC-22, DGWC-23, DGWC-42, DGWC-48 |
| Appendix IV Constituent | September 2023 SSLs ^[2] |
| Arsenic | DGWC-9 |
| Beryllium | DGWC-5, DGWC-9, DGWC-10, DGWC-47, DGWC-48, B-92, B-93 |
| Cobalt | DGWC-9, DGWC-10, DGWC-19, DGWC-20, DGWC-47, DGWC-48, B-56, B-63, B-92, B-93, B-104D |
| Lithium | DGWC-47, DGWC-48, B-120D |
| Radium 226 + 228 ^[3] | B-104D, B-111D |

Notes:

- [1] An SSI is determined by an exceedance of the calculated prediction limit.
- [2] An SSL is determined by comparing the confidence interval to the GWPS. Until February 22, 2022, GA EPD defined the GWPS as: (i) the MCL, (ii) where the MCL is not established, the background concentration, or (iii) background levels for constituents where the background level is higher than the MCL. Under current EPD rules, the GWPS is: (i) the MCL or Regional Screening Level (RSL), or (ii) background levels for constituents where the background level is higher than the MCL or RSL.
- [3] An ASD for Combined Radium (226+228) at B-104D and B-109D was approved by GA EPD on June 15, 2023. An ASD addendum is underway in response to the recent SSL at B-111D and will be submitted for EPD Review.

² Appendix III: boron, calcium, chloride, fluoride, pH, sulfate, and total dissolved solids

³ Appendix IV: antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, fluoride, lead, lithium, mercury, molybdenum, combined radium (226 + 228), selenium, and thallium.

The Appendix IV SSLs for arsenic, beryllium, cobalt, and lithium are horizontally and vertically delineated in Site detection and assessment wells and downgradient surface water sampling to below the GWPS. Surface water samples collected in September 2023 were non-detect for arsenic, cobalt, and lithium consistent with previous observations.

An Alternate Source Demonstration (ASD) for radium was initially submitted to GA EPD on April 29, 2022 and a revised ASD submitted to GA EPD on July 26, 2022. Based on Site investigation data, additional supporting evidence as to the natural presence of combined radium, a *Supplemental ASD for Combined Radium* was submitted to GA EPD on May 22, 2023 (WSP, 2023a), and was approved by GA EPD on June 15, 2023. An ASD addendum is underway in response to the recent SSL at B-111D and will be submitted for EPD review. Based on review of the Appendix III and Appendix IV results noted above, the Site will remain in Assessment Monitoring. Georgia Power will continue routine groundwater monitoring and evaluation of corrective action alternatives at the Site. Reports will be posted to the website and provided to the GA EPD semi-annually. A *Draft Remedy Selection Report* was prepared by Georgia Power and was submitted to GA EPD under separate cover on August 31, 2023 (WSP, 2023c).

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1.0 INTRODUCTION

In accordance with the United States Environmental Protection Agency (US EPA) coal combustion residual (CCR) rule [40 Code of Federal Regulations (CFR) 257 Subpart D] and the Georgia (GA) Environmental Protection Division (EPD) Rules for Solid Waste Management 391-3-4-.10, this *2023 Semi-Annual Groundwater Monitoring and Corrective Action Report* was prepared to document groundwater monitoring activities conducted at Georgia Power Company (Georgia Power)'s Plant McDonough-Atkinson Ash Pond 2 (AP-2), Ash Pond 3 (AP-3), and Ash Pond 4 (AP-4) (aka AP-2 and 3/4) and satisfies the requirements of § 257.90(e). To specify groundwater monitoring requirements, GA EPD rule 391-3-4-.10(6)(a) incorporates by reference the US EPA CCR rule (40 CFR 257 Subpart D). For ease of reference, the US EPA CCR rules are cited within this report.

This semi-annual report documents the second 2023 semi-annual monitoring event conducted in September 2023 at AP-2 and 3/4. Activities completed at Plant McDonough's Ash Pond 1 (AP-1) are reported under separate cover.

1.1 Site Description and Background

Plant McDonough-Atkinson (Plant McDonough, Site), formerly a coal-fired power generating facility, was converted to a natural gas combined-cycle power generating facility in 2011. Located approximately 7 miles northwest of Atlanta in southeast Cobb County (5551 South Cobb Dr SE, Smyrna, GA 30080), the property occupies approximately 390 acres and is bounded on the southeast by the Chattahoochee River. A site location map is included as Figure 1.

Four CCR surface impoundments are located on the Site: Ash Pond 1 (AP-1), Ash Pond 2 (AP-2), Ash Pond 3 (AP-3) and Ash Pond 4 (AP-4). AP-3 and AP-4 have historically operated together and are being closed as a Combined Unit AP-3/4. AP-1 is reported separately from AP-2 and 3/4. A notification of intent to initiate closure of the inactive CCR surface impoundment was certified for AP-2 on December 7, 2015, and for AP-3/4 on December 8, 2015, and posted to Georgia Power's website. A permit application was submitted to GA EPD in November 2018 and is currently pending approval. CCR removal and consolidation at Plant McDonough AP-2, and 3/4 has been completed and final capping and closure is underway. Areas of certified CCR removal are shown on Figure 2.

Groundwater monitoring and reporting for AP-2 and 3/4 are being performed to meet the alternate schedule in § 257.100(e)(5) of the revised US EPA CCR rule (August 5, 2016) as a combined multi-unit AP-2 and 3/4. CCR impoundments AP-2 and 3/4 are located adjacent to each other and there is semi-radial flow away from these CCR units. For these reasons, a combined multi-unit monitoring network has been established for AP-2 and 3/4 as allowed in the CCR Rule § 257.91.

1.2 Regional Geology and Hydrogeologic Setting

The following section and subsections include a general description of regional geologic and hydrogeologic characteristics of formations that occur beneath the Site as presented in the *Hydrogeologic Assessment Report* (WSP 2023b).

The Site is located in the Piedmont/Blue Ridge geologic province, which contains some of the oldest rock formations in the southeastern United States. These late Precambrian to late Paleozoic rocks have undergone

repeated cycles of igneous intrusions and extrusions, metamorphism, folding, faulting, shearing, and silicification. Rock outcrops near the site consist of biotite gneiss, porphyritic gneiss, mica schist, and quartzite.

Residual soils, primarily clayey/sandy silt, sandy silt with clay, and silty sand, occur as a variably thick blanket overlying bedrock across most of the Site. These residual saprolitic soils along with saprolitic transitionally or partially weathered rock, collectively referred to as the overburden, range between approximately 9 to 65 feet in thickness across the Site, with an average thickness of approximately 43 feet. Saprolitic rock is considered to be transitionally weathered rock (TWR) or partially weathered rock (PWR). Where TWR is a qualitative description based on visual observations, PWR is defined by Standard Penetration Test (SPT) blow counts that exceed 50 blows/six inches.

A regional, unconfined surficial aquifer system is present at the Site, existing within the overburden and weathered and fractured upper bedrock (e.g., approximately the first 30 feet), depending on topographic location. Recharge primarily occurs through precipitation and subsequent infiltration. Generally, groundwater flow occurs through intergranular pore spaces in the overburden and is controlled by topography and top of rock variations. However, a relatively higher transmissive zone is interpreted to occur at the base of the overburden, at the interface of weathered bedrock and competent bedrock and is believed to be the primary groundwater flow path. Groundwater in the overburden has an average horizontal hydraulic conductivity of 10^{-4} centimeters per second (cm/s) and is interpreted to flow south-southeast.

A limited and localized bedrock aquifer system also occurs beneath the Site. The upper bedrock is fractured and weathered, connected hydraulically with the overburden groundwater, and is considered part of the uppermost aquifer. The overlying silt/clay-rich overburden may act to retard recharge into the bedrock aquifer system. In addition, deeper bedrock (i.e., greater than approximately 30 feet into the bedrock) is unweathered with few discontinuities (e.g., fractures) available to store groundwater.

1.3 Groundwater Monitoring Network

Pursuant to § 257.91, a groundwater monitoring system was installed within the uppermost aquifer at AP-2 and 3/4 to monitor groundwater passing the waste boundary. Wells were located to monitor upgradient and downgradient groundwater conditions based on groundwater flow direction. AP-2 and 3/4 monitoring well and piezometer locations are shown on Figure 3.

A comprehensive network of monitoring wells was installed for groundwater monitoring in proximity to AP-2 and 3/4. A separate network for AP-1 as well as a series of piezometers are also installed at the Site. Construction details are presented in Table 1 for each well in the current Site groundwater monitoring network, including detection monitoring wells, assessment monitoring wells, and piezometers for AP-2 and 3/4; and the separate multi-unit monitoring network wells for AP-1.

2.0 GROUNDWATER MONITORING ACTIVITIES

The following section describes monitoring-related activities for sampling performed at the Site from July 2023 through December 2023. Routine groundwater sampling was performed in September 2023 in accordance with 40 CFR § 257.93. Groundwater monitoring field forms from these monitoring events are provided in Appendix A and the analytical data reports are presented in Appendix B.

2.1 Monitoring Well Installation and Maintenance

There were no changes to the detection groundwater monitoring system during this reporting period. Monitoring wells B-115D, B-109D, and B-123D are no longer monitored as assessment monitoring wells and are categorized as piezometers for water level monitoring only. September 2023 field activities included visual inspection of well conditions prior to sampling, recording conditions around each well, and performing exterior maintenance to provide safe access for sampling. The well condition inspection forms are included in Appendix C.

Monitoring wells are inspected semi-annually to determine if any repairs or corrective actions are necessary to meet the requirements of the Georgia Water Well Standards Act (O.C.G.A. § 12-5-134(5)(d)(vii)). Monitoring wells were inspected, necessary corrective actions were identified and subsequently completed, as documented in Appendix C. This work was performed under the direction of a professional geologist or engineer registered in the State of Georgia.

Site piezometers B-31 and B-74 were abandoned due to onsite construction/replacement of an industrial water line following procedures outlined in *Georgia Water Well Standards Act*. An abandonment report was submitted to GA EPD on November 13, 2023 and a copy is included as Appendix D. Abandonment of these piezometers does not impact the construction of potentiometric surface contours and interpretation of groundwater flow.

2.2 Assessment Monitoring

Pursuant to § 257.94(e)(1), an assessment monitoring program has been established for AP-1 based on identified statistically significant increases (SSIs). A notice of assessment monitoring was placed in the operating record on November 13, 2019. Following the requirements of § 257.96, an assessment of corrective measures is ongoing, and a Draft Remedy Selection Report was submitted to GA EPD on August 31, 2023.

Groundwater sampling was conducted for AP-2 and 3/4 in September 2023 in accordance with § 257.93 and GA EPD rule 391-3-4-.10(6)(a). Samples were collected from each well in the certified monitoring network and the established assessment monitoring network for AP-2 and 3/4 (Table 1). The location of each of these monitoring wells is shown on Figure 3. Table 2 presents a summary of groundwater sampling event completed for AP-2 and 3/4 and the status of the monitoring network.

During the September 2023 semi-annual sampling event, groundwater samples were collected and analyzed for Appendix III and Appendix IV constituents. Monitoring well DGWC-9 was dry at the time of sampling, likely as a result of ongoing dewatering and closure activities, and therefore, no sample was collected for this reporting period. Results of the sampling activities are discussed in Section 5.0, and the data are presented in Appendix B.

2.3 Additional Sampling

Installation of additional wells to horizontally characterize groundwater downgradient of AP-2 and 3/4 wells with SSLs of cobalt is infeasible due to the proximity of the Chattahoochee River. Georgia Power therefore collected surface water samples from the Chattahoochee River on September 12, 2023. The surface water samples were analyzed for Appendix III parameters, select Appendix IV parameters (arsenic, cobalt, and lithium) and major ions (magnesium, potassium, sodium, total and bicarbonate alkalinity). Two of the locations within the Chattahoochee River are used for delineation of cobalt (Dewatering Upstream (DW_US) and CR-0.1). Surface water sampling locations are shown on Figure 3. Surface water samples are collected in accordance with Region 4 U.S. Environmental Protection Agency Laboratory Services and Applied Science Division, Operating Procedure:

Surface Water Sampling, (LSASDPROC-201-R6), April 22, 2023. (US EPA, 2023). The results of surface water sampling are discussed in Section 5.0 and the laboratory reports for the September 2023 event are provided in Appendix B. Georgia Power will continue collecting the surface water samples necessary to evaluate nature and extent semi-annually as needed for site delineation.

Additional data analyses continue to be analyzed to provide data to support the selected corrective measure (i.e., in-situ injections and monitored natural attenuation). Groundwater samples collected from the detection and assessment monitoring well networks in September 2023 were analyzed for major ions (magnesium, potassium, sodium, and total and bicarbonate alkalinity) and minor ions (iron and manganese).

2.4 Annual Water Well Survey

In accordance with the *Groundwater Monitoring Plan* (WSP 2023d), a potable well survey of potential groundwater wells within a two-mile radius of AP-1 was conducted in January 2024. The review consisted of reviewing federal, state, and county records, and online resources. A survey conducted by Environmental Data Resources (EDR) is included in Appendix E. Additional federal, state, and county records, and online sources outside of the EDR survey were also reviewed by WSP. The Cobb County Environmental Health Department responded that they did not have records of approved water wells within a 2-mile radius of AP-1. The EDR report identified nine water wells and eight U.S. Geological Survey (USGS) wells. Seven of the eight USGS wells are also identified as water wells. Based on review of the EDR report, each of the water wells and USGS wells identified are located upgradient/sidegradient of the Site.

3.0 SAMPLE METHODOLOGY AND ANALYSIS

The following sections describe methods used to conduct the September 2023 semi-annual AP-2 and 3/4 groundwater monitoring event. Groundwater analytical data and chain of custody records are presented in Appendix B.

3.1 Groundwater Elevation Measurement

Groundwater elevations were measured during the September 2023 monitoring event prior to sampling. Groundwater elevation data from September 5, 2023, are summarized in Table 3. Calculated water level data were used to develop Figures 4A and 4B. Site potentiometric maps indicate that groundwater generally flows southeast across the Site from the topographic high northwest of AP-3/4 towards AP-2 and the Chattahoochee River, which is consistent with historical observations. Localized flow direction fluctuations due to ongoing dewatering efforts at AP-4 are shown on Figure 4B, which is an inset of the northeast portion of AP-3/4. Groundwater flow in this area is towards the center of AP-3/4. Dewatering at AP-4 is creating an inward gradient, restoring the pre-impoundment southward groundwater flow pattern in the northeast portion AP-3/4 that is expected to continue in the future, corresponding to the higher topographic elevations in that area following closure. AP-2 was over-excavated into subgrade soils and filled with on-site backfill from the AP-4 dike, creating a topographic low. Construction in the AP-3/4 area is substantially complete pending construction certification and minor ongoing ash removal.

3.2 Groundwater Gradient and Flow Velocity

Hydraulic gradient is calculated as the difference in groundwater elevation (in feet) divided by the distance between two piezometers or wells (in feet). Groundwater elevation data recorded in September 2023 from two piezometer and/or well pairings; DGWA-53/DGWC-13, and B-26/DGWC-48, located along the inferred groundwater flow paths (i.e., perpendicular to the potentiometric contours) were used to calculate hydraulic gradients for AP-2 and 3/4.

Average groundwater flow velocities at the Site were calculated using hydraulic gradient data, hydraulic conductivity data generated from slug testing results (WSP, 2023b), and an estimated effective porosity of the screened portion of the uppermost aquifer. Based on slug test data, the average hydraulic conductivity for the overburden is 7.70×10^{-4} centimeters/second (cm/s), (WSP 2023b). An effective porosity of 0.20 (20%) was used based on the default values for effective porosity recommended by US EPA for a silty-sand type soil (US EPA 1996, US EPA 1989).

The horizontal flow velocities were calculated using the commonly used derivative of Darcy's Law:

$$V = \frac{K * i}{n_e} \quad \text{Where:}$$

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

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

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

n_e = Effective porosity

Using this equation, groundwater horizontal flow velocities were calculated for AP-2 and 3/4 using September 2023 groundwater elevation data as shown on Table 4.

Calculated (horizontal) flow velocities range from approximately 111 feet per year (ft/yr) to 116 ft/yr during the September 2023 event (Table 4). These estimated flow velocities are consistent with past results and are also generally consistent with other published velocities for regolith-upper bedrock aquifers of the Piedmont (Heath, R.C., 1982). Small, localized flow changes and temporary flow rate increases are observed in the vicinity of each of the dewatering wells as a result of pumping.

3.3 Groundwater Sampling

Groundwater samples were collected in accordance with § 257.93(a) and 391-3-4-.10(6). Monitoring wells were purged and sampled using low-flow sampling procedures. Dedicated and non-dedicated, low-flow pneumatic bladder pumps and peristaltic pumps were used to purge and sample the wells. Field equipment was decontaminated prior to use and between wells using US EPA Laboratory Services and Applied Science Division, Operating Procedure, Field Equipment Cleaning and Decontamination (US EPA, 2020a). AquaTROLL® 400 meters were used to monitor and record field water quality parameters [temperature, specific conductance, dissolved oxygen (DO), pH, and oxidation-reduction potential (ORP)] during purging. Turbidity was monitored using a LaMotte 2020 or Hach turbidimeters. Groundwater samples were collected when the following stabilization criteria were met for a minimum of three consecutive readings:

- pH within ± 0.1 standard units (S.U.)
- specific conductance within $\pm 5\%$
- DO within $\pm 10\%$ or ± 0.2 milligrams per liter (mg/L) (whichever is greater) for DO where $DO > 0.5$ mg/L; if $DO < 0.5$ mg/L, the DO stabilization criterion does not apply
- turbidity less than 5 nephelometric turbidity units (NTU)

Upon achieving stabilization, unfiltered samples were collected directly in appropriately preserved laboratory-supplied sample containers, placed in ice-packed coolers, and submitted to the laboratory following standard chain-of-custody protocol. Sample chain-of-custody records are included in Appendix B.

Field data and sampling notes for each monitoring well are recorded on the field information forms generated by the Aqua TROLL® 400. These forms include a description of the sampling equipment, sampling method, test notes, field observations, and purge logs (purge rate, stabilization parameters, and depth to water measurements) at each monitoring location. Deviations from the sample plan and stabilization criteria are noted on the field information forms. Field data sheets and daily field instrument calibration forms are included in Appendix A.

3.4 Laboratory Analysis

September 2023 groundwater samples from wells in the detection and assessment monitoring network were analyzed for Appendix III and Appendix IV monitoring parameters per 40 CFR § 257.93 and § 257.95(d)(2). Table 5 presents a tabulated summary of the September 2023 detection and assessment sample results. Results for the surface water samples collected in September 2023 are presented in Table 6. Analytical methods used for monitoring parameters are listed in the analytical data reports in Appendix B.

Laboratory analyses were performed by Pace Analytical Services, LLC (Pace) in Norcross, Georgia. Pace is accredited by the National Environmental Laboratory Accreditation Program (NELAP) and maintains NELAP certification for the parameters analyzed for this project. Analytical data reports including chain-of-custody records for the monitoring events and NELAP certifications are presented in Appendix B.

3.5 Quality Assurance and Quality Control

Quality assurance/quality control (QA/QC) samples were collected at a rate of one per every 10 samples during the September 2023 sampling event. QA/QC samples included equipment blanks (where non-dedicated sampling equipment was used), field blanks, and duplicate samples. QA/QC sample data were evaluated during data validation as described below, and are included in Appendix B.

Groundwater quality data in this report were independently validated in accordance with *Data Validation Standard Operating Procedures* (US EPA, 2016), *National Functional Guidelines for Inorganic Superfund Method Data Review* (US EPA 2020b), *US Department of Energy, Evaluation of Radiochemical Data Usability* (Paar, 1997) and the analytical methods. Data validation generally consisted of reviewing sample integrity, holding times, laboratory method blanks, laboratory control samples, matrix spikes/matrix spike duplicate recoveries, relative percent differences (RPDs), laboratory and field duplicate RPDs, field and equipment blanks, and reporting limits. Where appropriate, validation qualifiers and flags are applied to the data per US EPA procedures and guidance. The data validation summaries report is provided in Appendix B, along with the laboratory reports. The validated data summarized in Table 5 meet project objectives.

A value followed by a "J" flag in tables and laboratory reports indicate that the value is an estimated analyte concentration detected between the method detection limit (MDL) and the laboratory reporting limit (RL). The estimated value is positively identified but is below the lowest level that can be reliably achieved within specified limits of precision and accuracy under routine laboratory operating conditions. Total radium concentration (Radium 226+228) is a combination of isotopes 226 and 228. When radium data are reported below the Minimum Detectable Concentration (MDC), the values are followed by a "U" flag in the tables.

4.0 STATISTICAL ANALYSIS

Statistical analysis of Appendix III and Appendix IV groundwater monitoring data was performed pursuant to §257.93-95 following the established statistical method for AP-2 and 3/4 (Groundwater Stats Consulting, 2019). The statistical analysis report prepared by Groundwater Stats Consulting, LLC is presented in Appendix F.

4.1 Statistical Method

The selected statistical method for AP-2 and 3/4 was developed in accordance with 40 CFR § 257.93(f), using methodology presented in *Statistical Analysis of Groundwater Data at RCRA Facilities, Unified Guidance* (US EPA, 2009). Sanitas groundwater statistical software was used to perform statistical analyses. Sanitas is a decision-support software package that incorporates the statistical tests required of Subtitle C and D facilities by US EPA regulations and guidance as recommended in the US EPA 2009 Unified Guidance document.

4.1.1 Appendix III Detection Monitoring Statistical Methods

Appendix III groundwater monitoring data were statistically evaluated through the use of interwell prediction limits. The Sen's Slope/Mann Kendall trend test was also performed to evaluate concentrations over time and determine whether concentrations are statistically increasing, decreasing, or stabilizing. Upgradient well data were pooled to establish background statistical limits. Data from the September 2023 assessment monitoring events were analyzed using interwell prediction limits applying an optional 1-of-2 verification resample plan and compared to the background statistical limits to evaluate whether concentrations exceed background levels. The Sen's Slope/Mann Kendall trend test was performed to evaluate whether concentrations in individual wells are statistically increasing, decreasing, or stabilizing over time. The results of the background comparisons and trend analyses are presented in Appendix F.

4.1.2 Appendix IV Assessment Monitoring Statistical Methods

Statistical analyses while in assessment monitoring are performed by comparing confidence intervals against groundwater protection standards (GWPS). Parametric tolerance limits were used to calculate Site-specific background limits from 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 background limits were then used when determining the GWPS under 40 CFR § 257.95(h) and GA EPD Rule 391-3-4-.10(6)(a). As described in 40 CFR § 257.95(h)(1-3), the GWPS is:

- The maximum contaminant level (MCL) established under §§141.62 and 141.66 of this title.
- Where an MCL has not been established, Regional Screening Levels (RSLs) have been specified for cobalt (0.006 mg/L), lead (0.015 mg/L), lithium (0.040 mg/L), or molybdenum (0.100 mg/L).
- The respective background level for a constituent when the background level is higher than the MCL or rule identified GWPS.

Following the rule requirements, background concentrations were evaluated to establish Site-specific GWPS for statistical comparison of Appendix IV constituents. Table 7 summarizes the background limit established at each monitoring well and the GWPS.

Confidence intervals were constructed for each of the Appendix IV parameters in each downgradient well for comparison to the GWPS. Only when the entire confidence interval is above a GWPS is the well/constituent pair considered to exceed its respective standard. If there is an exceedance of the established standard, an SSL exceedance is identified.

A summary table of the statistical results accompanies the prediction limits for Appendix III and confidence intervals for Appendix IV in Appendix F. The background period for statistical analyses included historical data through the current event. Tolerance limits for confidence interval calculations are updated to include current data. Due to varying reporting limits in background over time, the most recent reporting limit is used when analytes are reported as non-detects. This process results in a more appropriate statistical test for the data set.

4.2 Statistical Analysis Results

Analytical data from September 2023 at AP-2 and 3/4 have been statistically analyzed in accordance with the Site's certified *Statistical Analysis Plan* (Groundwater Stats Consulting, 2019). Verification resampling to confirm initial statistically significant increases (SSIs) was not performed; therefore, initial SSIs are considered verified. The statistical results are included in Appendix F.

4.2.1 September 2023 Appendix III Statistical Results

Based on the statistical results, SSIs of boron, calcium, chloride, fluoride, pH, sulfate, and total dissolved solids (TDS) were identified following the September assessment monitoring event. A detailed list of the noted exceedances is presented in Appendix F.

4.2.2 September 2023 Appendix IV Statistical Results

Analytical data from the September 2023 monitoring event at AP-2 and 3/4 have been statistically analyzed in accordance with the Site's certified statistical analysis method according to both 40 CFR § 257.95(h) and 391-3-4-.10(6)(a) and the following SSLs were identified:

| AP-2 and 3/4 Statistically Significant Level Exceedances | |
|--|---|
| Appendix IV Parameter | AP-2 and 3/4 Monitoring Well |
| Arsenic | DGWC-9 |
| Beryllium | DGWC-5, DGWC-9, DGWC-10, DGWC-47, DGWC-48, B-92, B-93 |
| Cobalt | DGWC-9, DGWC-10, DGWC-19, DGWC-20, DGWC-47, DGWC-48, B-56, B-63, B-92, B-93, B-104D |
| Lithium | DGWC-47, DGWC-48, B-120D |
| Radium 226 + 228 ^[1] | B-104D, B-111D |

Note:

[1] An ASD for Combined Radium (226+228) at B-104D and B-109D was approved by GA EPD on June 15, 2023; refer to Section 4.3. A supplemental ASD for the occurrence of combined radium at B-111D is being evaluated.

4.3 Alternate Source Demonstration

Following the provisions of 40 CFR § 257.95, *Alternate Source Demonstration for Combined Radium* was submitted to GA EPD on April 29, 2022, to address the SSL of combined radium in Site groundwater. Following EPD initial review and comments, a revised ASD was submitted to GA EPD on July 26, 2022 (Golder, 2022b). Based on site investigation data, additional supporting evidence as to the natural presence of combined radium, a *Supplemental ASD for Combined Radium* was submitted to GA EPD on May 22, 2023 (WSP, 2023a). The May 2023 ASD was approved for combined radium due to natural occurrence in groundwater wells B-104D and B-109D. An updated supplemental ASD, is being evaluated, following the options of § 257.95(g)(3)(ii) and § 391 3-4-.14(23)(c), and will be submitted to GA EPD, as appropriate to address the SSL of combined radium in B-111D following the 2023 second semi-annual event.

5.0 ASSESSMENT MONITORING AND DELINEATION STATUS

A network of piezometers has been installed at the Site, and several of these piezometers have been sampled to characterize the nature and extent of SSLs in groundwater. Note, monitoring well DGWC-9 was dry during the September 2023 sampling event and no sample was collected. This is likely the result of ongoing dewatering as part of closure construction activities. Per Georgia Rule 391-3-4-.10(6)(g), monitoring wells require abandonment and replacement after two consecutive dry sampling events, unless an alternate schedule is approved by EPD. We note that the assessment monitoring well downgradient of DGWC-9 remains below GWPS.

Limited groundwater analytical data are available for some assessment monitoring wells. In accordance with Section 21.1.1 of the Unified Guidance (US EPA, 2009), four independent data are the minimum population size recommended to construct confidence intervals required to assess SSLs for Appendix IV constituents. At the time of this report, the data set for some of the assessment wells is limited to fewer than four independent datums and therefore not appropriate for statistical analyses. For wells where the minimum of four data points are available, statistical analyses are discussed in Section 4.0, above, and are included in Appendix F.

To characterize the nature and extent of arsenic, beryllium, cobalt, lithium, radium, and historical selenium SSLs, multiple wells have been installed and sampled at the Site (WSP, 2023c); refer to the table below for constituent delineation status. An SSL of selenium was previously noted for AP-2 and 3/4, but statistical analyses currently indicate that there is not an SSL for selenium at DGWC-9. Current concentrations of selenium at DGWC-9 are below the GWPS. In addition, surface water has been sampled at multiple locations to demonstrate horizontal delineation in surface water bodies where proximity to surface water prevented installation of additional wells. Specific details regarding the delineation status at AP-2 and 3/4, including isoconcentration contours for each of the constituents with an exceedance of the GWPS, are discussed in the *Draft Remedy Selection Report* (WSP 2023c) submitted to GA EPD on August 31, 2023.

| Detection/Assessment Monitoring Well with SSL | Constituent of Concern | Vertical Delineation Well | Horizontal Delineation Well / Surface Water Monitoring Location |
|---|------------------------|---------------------------|---|
| DGWC-5 | Beryllium | B-111D | B-98, Flow is toward AP-4 ^[3] |
| DGWC-8 | Cobalt ^[2] | B-106D | B-88, Flow is toward AP-4 ^[3] |
| DGWC-9 ^[1] | Arsenic | B-101D | DGWC-10, Flow is toward AP-4 ^[3] |

| Detection/Assessment Monitoring Well with SSL | Constituent of Concern | Vertical Delineation Well | Horizontal Delineation Well / Surface Water Monitoring Location |
|---|--------------------------------|--------------------------------|---|
| | Beryllium | B-101D | DGWC-11, Flow is toward AP-4 ^[3] |
| | Cobalt | B-101D | DGWC-11, Flow is toward AP-4 ^[3] |
| | Selenium ^[4] | B-101D | DGWC-10, Flow is toward AP-4 ^[3] |
| DGWC-10 | Beryllium | B-102D | DGWC-11, Flow is toward AP-4 ^[3] |
| | Cobalt | B-102D | DGWC-11, Flow is toward AP-4 ^[3] |
| DGWC-19 | Cobalt | B-107D | B-77 |
| DGWC-20 | Cobalt | B-108D | B-83 |
| DGWC-47 | Beryllium | B-122D ^[5] | B-77 |
| | Cobalt | B-122D ^[5] | B-77 |
| | Lithium | B-122D ^[5] | B-77 |
| DGWC-48 | Beryllium | B-104D / B-122D ^[5] | B-83 |
| | Cobalt | B-122D ^[5] | B-83 |
| | Lithium | B-104D / B-122D ^[5] | B-83 |
| B-56 | Cobalt | B-101D | B-66, Flow is toward AP-4 ^[3] |
| B-63 | Cobalt | B-122D ^[5] | DW_US |
| B-92 | Beryllium | B-111D | B-97, Flow is toward AP-4 ^[3] |
| | Cobalt | B-111D | B-97, Flow is toward AP-4 ^[3] |
| B-93 | Beryllium | B-111D | B-98, Flow is toward AP-4 ^[3] |
| | Cobalt | B-111D | B-98, Flow is toward AP-4 ^[3] |
| B-104D | Cobalt | B-122D ^[5] | B-122D ^[5] |
| B-111D | Combined Radium ^[6] | pending ^[6] | pending ^[6] |
| B-120D | Lithium | B-125D ^[5] | DGWC-4, Flow is toward AP-4 ^[3] |

Notes:

- [1] Monitoring well DGWC-9 was dry during the September 2023 sampling event. If the well remains dry during the next consecutive sampling event the Site will discuss a replacement well with GA EPD Per Georgia Rule 391-3-4-.10(6)(g).
- [2] Most recent concentrations of cobalt at DGWC-8 is no longer an SSL and are below the GWPS. GPC will continue to evaluate the occurrence of cobalt at DGWC-8 until the upper confidence interval is below the GWPS.
- [3] Where groundwater flow is inward, toward AP-4, we have indicated delineation is complete.
- [4] Most recent concentrations of selenium at DGWC-9 is no longer an SSL and are below the GWPS. This well was noted as dry during the September 2023 sampling event. GPC will continue to evaluate the occurrence of selenium at DGWC-9 until the upper confidence interval is below the GWPS.
- [5] Delineation status is pending additional data collection at location at B-122D and B-125D. A minimum of four data points is needed to perform the required statistical analyses.

[6] An Alternate Source Demonstration (ASD) and Supplemental ASD for Combined Radium at B-104D and B-109D has been documented for Plant McDonough (Golder, 2022b, WSP 2023a) and approved by GA EPD on June 15, 2023. An ASD addendum is underway in response to the recent SSL at B-111D and will be submitted for EPD review.

Monitoring well B-120D was installed as a vertical delineation well at location B-3. An SSL of lithium was identified at B-120D. Horizontal delineation for the SSL at B-120D is complete with well DGWC-4. Vertical delineation is complete by monitoring well B-125D and will be evaluated statistically after collecting a minimum of four data points. We also note that groundwater flow is inward, toward AP-4.

Horizontal and vertical delineation of radium at B-104D and B-109D is no longer applicable. GA EPD approved the radium ASD demonstrating that radium is naturally occurring in bedrock beneath the site for wells that had SSLs on June 13, 2023, which includes B-104D and B-109D. An updated supplemental ASD will be submitted to GA EPD, as appropriate to address the SSL of combined radium in B-111D following the 2023 second semi-annual event.

Based on data collected to date, there are no impacts to surface water by constituents with SSLs at AP-2 and 3/4. The horizontal and vertical delineation of target SSL constituents is complete. Horizontal and vertical delineation based on review of analytical results, statistical analyses and the isoconcentration contours is presented in more detail in Figures 5 to 9.

Potential trends in SSL constituent concentrations were further evaluated by Groundwater Stats Consulting (GSC) using the Sen's Slope/Mann Kendall trend test (Appendix F). The following statistically significant trends were identified for the noted well/constituent pairs during the September 2023 monitoring event:

- Increasing trends: Cobalt at DGWA-71, DGWC-9, DGWC-20, and B-56
Beryllium at DGWC-5
- Decreasing trends: Beryllium at DGWC-70A, DGWC-47 and DGWC-48
Cobalt at DGWA-53, DGWC-8, DGWC-10, DGWC-20, DGWC-47, and DGWC-48
Lithium at DGWA-71, DGWC-47, DGWC-48 and B-120D
Combined Radium at DGWA-53.

6.0 ASSESSMENT OF CORRECTIVE MEASURES

Following the requirements of 40 CFR § 257.96, Plant McDonough has initiated an Assessment of Corrective Measures (ACM) for arsenic, beryllium, cobalt, and lithium. Notification of this action was placed in the CCR operating record on July 9, 2020. Since the submission of the ACM report in December 2020, selenium was identified as an SSL at well DGWC-9 (Golder, 2020) and this SSL was incorporated into the ACM evaluation. Concentrations of selenium at DGWC-9 for three consecutive events (prior to going dry) have been below the GWPS and as such is no longer being evaluated as part of the ACM process. Since initiation of the ACM, radium was also identified as an SSL. In response, an ASD has been approved for monitoring wells B-104D and B-109D

by GA EPD to address the presence of radium in Site groundwater and as such is no longer being evaluated as part of the ACM process.

In accordance with 40 CFR § 257.97(a), remedy selection progress reports have previously been prepared and submitted concurrent with each semi-annual groundwater monitoring report to document results associated with additional data collection, and present progress toward selection and design of a groundwater remedy. A *Draft Remedy Selection Report* was submitted to GA EPD on August 31, 2023. The *Draft Remedy Selection Report* includes the following:

- The current groundwater conceptual site model applicable to evaluating groundwater corrective measures proposed in the ACM Report (Golder 2020);
- An assessment of corrective action investigations completed to date;
- An evaluation of each corrective measure retained for further consideration following the completed investigations;
- A comparison of corrective measure options using the comparative criteria such as long- and short-term effectiveness and protectiveness, source control effectiveness and ease of implementation; and
- A summary of the proposed corrective measure, or measures for AP-2 and 3/4.

The Site is currently in the planning stages of a pre-design investigation that will outline the injection zones for treatment as well as provide the necessary information needed for a permit application for a UIC Pilot Test to confirm the effectiveness of the proposed remedy prior to long-term implementation. These efforts include an ongoing treatability study to determine injectate materials and to identify proper dosage information.

The *Draft Remedy Selection Report* is currently under review by GA EPD and Georgia Power is awaiting concurrence to submit a Pilot Test Workplan for further evaluation of the proposed remedy.

7.0 MONITORING PROGRAM STATUS

Statistical evaluations of the groundwater monitoring data for AP-2 and 3/4 confirms SSIs of Appendix III groundwater monitoring parameters above background and SSLs of Appendix IV groundwater monitoring parameters above the established GWPS. AP-2 and 3/4 will continue to be monitored in accordance with the assessment monitoring program pursuant to 40 CFR § 257.95. An assessment of corrective measures was initiated following the provisions of 40 CFR § 257.96. Pursuant to 40 CFR 257.95(g)(1)(iv), the additional delineation wells may continue to be sampled as part of the ongoing semi-annual assessment monitoring program.

8.0 CONCLUSIONS AND FUTURE ACTIONS

This *2023 Semi-Annual Groundwater Monitoring and Corrective Action Report, Georgia Power Company Plant McDonough-Atkinson – Ash Pond 2 and 3/4* was prepared to fulfill the requirements of US EPA CCR rule 40 CFR 257 Subpart D and Georgia EPD rule 391-3-4-.10.

The groundwater flow direction and rates interpreted during the September 2023 water level gauging event is consistent with the post closure model predictions. Groundwater flow is south toward the Chattahoochee River, consistent with pre-site development conditions. Although groundwater flow is toward the south, monitoring wells previously established for delineation will remain in the network during assessment monitoring until the ACM is

complete and a long-term corrective action groundwater monitoring is established. The monitoring well network continues to effectively monitor the uppermost aquifer beneath AP-2 and 3/4.

Review of analytical results and statistical analyses developed for the Site indicates confirmed SSLs of Appendix III above background and SSLs of Appendix IV above the established GWPS. In accordance with 40 CFR § 257.96, Georgia Power has initiated an assessment of corrective measures study for the identified SSLs. Based on data collected to date, there are no impacts to surface water at Plant McDonough and the horizontal and vertical delineation of constituents exhibiting SSLs is complete. *Alternate Source Demonstration for Combined Radium* was submitted to GA EPD in April 2022 and a revised ASD was submitted July 2022 to address SSLs of combined radium in Site groundwater. Additional site investigation data provided further supporting evidence as to the natural presence of combined radium. A *Supplemental ASD for Combined Radium* was submitted to GA EPD on May 22, 2023, and was approved by EPD in correspondence dated June 15, 2023. A supplemental ASD for the occurrence of combined radium at B-111D will be submitted for GA EPD review on or before May 28, 2024.

Based on the findings presented herein, Plant McDonough will continue with assessment groundwater monitoring and reporting. A *Draft Remedy Selection Report*, which summarizes the evaluation and proposed selection of corrective measures was submitted to EPD on August 31, 2023 and is pending EPD review. A high-resolution site characterization is in progress that includes an ongoing treatability study to determine injectate materials and to identify proper dosage information in support of the further evaluation of the proposed remedy. The next sampling event is tentatively scheduled for February 2024.

9.0 REFERENCES

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WSP, 2023b, Hydrogeologic Assessment Report, Georgia Power Company – Plant McDonough-Atkinson CCR Surface Impoundment (CCR Unit AP-2 and 3/4) May 2023.

WSP, 2023c, Draft Remedy Selection Report, Georgia Power Company – Plant McDonough-Atkinson Ash Pond AP-2 and 3/4) August 31, 2023.

WSP, 2023d, Groundwater Monitoring Plan, Georgia Power Company – Plant McDonough-Atkinson CCR Surface Impoundment (CCR Unit AP-2 and 3/4) May 2023.

Tables

TABLE 1
SUMMARY OF MONITORING WELL, ASSESSMENT WELL AND PIEZOMETER CONSTRUCTION DATA
 Georgia Power Company - Plant McDonough Ash Pond 2 and 3/4
 Smyrna, Georgia

| Well-ID | Hydraulic Location | Screened Media | NAD 83 Northing | NAD 83 Easting | Top of Casing Elevation (feet NAVD 88) | Ground Surface Elevation (feet NAVD 88) | Total Well Depth (feet bgs) | Top of Screen Elevation (feet NAVD 88) | Bottom of Screen Elevation (feet NAVD 88) | Screen Length (feet) | Date of Installation |
|---|--------------------|----------------|-----------------|----------------|--|---|-----------------------------|--|---|----------------------|----------------------|
| ASH POND 1 (AP-1) DETECTION MONITORING WELL NETWORK | | | | | | | | | | | |
| DGWA-53 | Upgradient | Upper Bedrock | 1393472.8 | 2201668.8 | 844.26 | 841.37 | 28.9 | 823.8 | 813.8 | 10 | 9/24/2016 |
| DGWA-70A | Upgradient | Overburden | 1390481.4 | 2200591.6 | 808.52 | 805.67 | 59.3 | 756.8 | 746.8 | 10 | 5/10/2017 |
| DGWA-71 | Upgradient | Overburden | 1393963.3 | 2201714.8 | 863.84 | 861.22 | 43.8 | 827.8 | 817.8 | 10 | 2/28/2017 |
| DGWC-37 | Downgradient | Overburden | 1390482.2 | 2200919.8 | 766.21 | 763.64 | 39.7 | 734.3 | 724.3 | 10 | 11/28/2012 |
| DGWC-38 | Downgradient | Overburden | 1390362.7 | 2201148.6 | 757.43 | 754.67 | 25.0 | 740.0 | 730.0 | 10 | 11/29/2012 |
| DGWC-39 | Downgradient | Overburden | 1390303.6 | 2201540.1 | 759.89 | 756.93 | 21.2 | 746.1 | 736.1 | 10 | 11/6/2012 |
| DGWC-40 | Downgradient | Overburden | 1390625.7 | 2201825.9 | 779.06 | 776.12 | 34.9 | 751.6 | 741.6 | 10 | 11/5/2012 |
| DGWC-67 | Downgradient | Overburden | 1390953.8 | 2200830.7 | 766.70 | 766.80 | 56.3 | 720.5 | 710.5 | 10 | 3/14/2017 |
| DGWC-68A | Downgradient | Overburden | 1391301.2 | 2200734.9 | 765.33 | 765.06 | 29.8 | 745.7 | 735.7 | 10 | 4/20/2017 |
| DGWC-69 | Downgradient | Overburden | 1391585.0 | 2200657.1 | 763.75 | 763.99 | 24.3 | 749.7 | 739.7 | 10 | 3/16/2017 |
| DGWC-121 | Downgradient | Overburden | 1390739.7 | 2200849.4 | 764.16 | 764.52 | 50.0 | 724.8 | 714.8 | 10 | 3/22/2022 |
| ASH POND 1 (AP-1) ASSESSMENT MONITORING WELL NETWORK | | | | | | | | | | | |
| B-62 | Downgradient | Upper Bedrock | 1389828.1 | 2201811.2 | 760.08 | 760.40 | 39.9 | 730.7 | 720.7 | 10 | 10/4/2016 |
| B-100 | Downgradient | Overburden | 1390254.8 | 2202242.1 | 777.95 | 775.32 | 44.8 | 740.5 | 730.5 | 10 | 7/8/2020 |
| B-105D | Downgradient | Upper Bedrock | 1390634.5 | 2201831.9 | 779.01 | 776.03 | 70.0 | 716.0 | 706.0 | 10 | 10/19/2020 |
| B-112D | Downgradient | Upper Bedrock | 1391564.2 | 2200664.1 | 765.58 | 765.98 | 55.0 | 721.3 | 711.3 | 10 | 3/22/2021 |

TABLE 1
SUMMARY OF MONITORING WELL, ASSESSMENT WELL AND PIEZOMETER CONSTRUCTION DATA
 Georgia Power Company - Plant McDonough Ash Pond 2 and 3/4
 Smyrna, Georgia

| Well-ID | Hydraulic Location | Screened Media | NAD 83 Northing | NAD 83 Easting | Top of Casing Elevation (feet NAVD 88) | Ground Surface Elevation (feet NAVD 88) | Total Well Depth (feet bgs) | Top of Screen Elevation (feet NAVD 88) | Bottom of Screen Elevation (feet NAVD 88) | Screen Length (feet) | Date of Installation |
|---|--------------------|--------------------------|-----------------|----------------|--|---|-----------------------------|--|---|----------------------|----------------------|
| ASH POND 2 and ASH PONDS 3/4 (AP-2, 3/4) DETECTION MONITORING WELL NETWORK | | | | | | | | | | | |
| DGWA-53 | Upgradient | Upper Bedrock | 1393472.8 | 2201668.8 | 844.26 | 841.37 | 28.9 | 823.8 | 813.8 | 10 | 9/24/2016 |
| DGWA-70A | Upgradient | Overburden | 1390481.4 | 2200591.6 | 808.52 | 805.67 | 59.3 | 756.8 | 746.8 | 10 | 5/10/2017 |
| DGWA-71 | Upgradient | Overburden | 1393963.3 | 2201714.8 | 863.84 | 861.22 | 43.8 | 827.8 | 817.8 | 10 | 2/28/2017 |
| DGWC-2 | Downgradient | Overburden/Upper Bedrock | 1393958.0 | 2202119.5 | 850.88 | 848.17 | 49.0 | 809.5 | 799.5 | 10 | 10/2/2012 |
| DGWC-4 | Downgradient | Overburden | 1394171.5 | 2202662.4 | 814.85 | 812.06 | 45.0 | 777.4 | 767.4 | 10 | 10/3/2012 |
| DGWC-5 | Downgradient | Overburden/Upper Bedrock | 1394306.3 | 2202965.1 | 791.75 | 788.64 | 30.0 | 768.9 | 758.9 | 10 | 10/4/2012 |
| DGWC-8 | Downgradient | Overburden | 1394322.2 | 2203882.1 | 826.38 | 824.02 | 49.1 | 785.3 | 775.3 | 10 | 10/10/2012 |
| DGWC-9 | Downgradient | Overburden | 1394055.9 | 2204170.0 | 824.35 | 821.86 | 30.0 | 802.3 | 792.3 | 10 | 10/10/2012 |
| DGWC-10 | Downgradient | Overburden | 1393818.3 | 2204201.1 | 823.55 | 820.82 | 45.4 | 785.8 | 775.8 | 10 | 10/11/2012 |
| DGWC-11 | Downgradient | Overburden | 1393547.1 | 2204166.2 | 800.57 | 797.99 | 49.1 | 759.2 | 749.2 | 10 | 10/15/2012 |
| DGWC-12 | Downgradient | Overburden | 1393149.4 | 2204128.3 | 773.86 | 771.10 | 25.1 | 756.4 | 746.4 | 10 | 10/15/2012 |
| DGWC-13 | Downgradient | Overburden | 1392881.1 | 2204084.6 | 794.10 | 791.20 | 43.8 | 757.8 | 747.8 | 10 | 11/29/2012 |
| DGWC-14 | Downgradient | Overburden/Upper Bedrock | 1392574.2 | 2204013.3 | 792.40 | 789.69 | 34.3 | 765.8 | 755.8 | 10 | 12/18/2012 |
| DGWC-15 | Downgradient | Overburden | 1392544.1 | 2203679.0 | 824.50 | 821.43 | 67.1 | 764.7 | 754.7 | 10 | 11/29/2012 |
| DGWC-17 | Downgradient | Overburden | 1392645.6 | 2203051.0 | 837.05 | 834.14 | 44.5 | 799.9 | 789.9 | 10 | 1/9/2013 |
| DGWC-19 | Downgradient | Overburden | 1392342.6 | 2202601.0 | 825.46 | 822.87 | 39.8 | 793.5 | 783.5 | 10 | 3/12/2013 |
| DGWC-20 | Downgradient | Overburden | 1392164.5 | 2202315.6 | 822.14 | 819.66 | 39.7 | 790.6 | 780.6 | 10 | 3/5/2013 |
| DGWC-21 | Downgradient | Overburden/Upper Bedrock | 1392067.5 | 2202063.5 | 816.28 | 813.47 | 69.0 | 754.9 | 744.9 | 10 | 10/31/2012 |
| DGWC-22 | Downgradient | Upper Bedrock | 1392126.3 | 2201791.9 | 816.59 | 813.69 | 60.0 | 764.0 | 754.0 | 10 | 10/25/2012 |
| DGWC-23 | Downgradient | Upper Bedrock | 1392239.7 | 2201582.0 | 818.37 | 815.63 | 60.1 | 765.8 | 755.8 | 10 | 10/25/2012 |
| DGWC-42 | Downgradient | Overburden | 1391327.8 | 2201870.2 | 804.68 | 801.98 | 50.4 | 762.1 | 752.1 | 10 | 11/12/2012 |
| DGWC-47 | Downgradient | Overburden/Upper Bedrock | 1391553.8 | 2202610.5 | 797.45 | 794.35 | 28.8 | 776.0 | 766.0 | 10 | 6/23/2016 |
| DGWC-48 | Downgradient | Overburden/Upper Bedrock | 1391314.6 | 2202290.2 | 788.33 | 785.21 | 30.0 | 765.6 | 755.6 | 10 | 6/22/2016 |

TABLE 1
SUMMARY OF MONITORING WELL, ASSESSMENT WELL AND PIEZOMETER CONSTRUCTION DATA
 Georgia Power Company - Plant McDonough Ash Pond 2 and 3/4
 Smyrna, Georgia

| Well-ID | Hydraulic Location | Screened Media | NAD 83 Northing | NAD 83 Easting | Top of Casing Elevation (feet NAVD 88) | Ground Surface Elevation (feet NAVD 88) | Total Well Depth (feet bgs) | Top of Screen Elevation (feet NAVD 88) | Bottom of Screen Elevation (feet NAVD 88) | Screen Length (feet) | Date of Installation |
|--|--------------------|--------------------------|-----------------|----------------|--|---|-----------------------------|--|---|----------------------|----------------------|
| ASH POND 2 and ASH PONDS 3/4 (AP-2, 3/4) ASSESSMENT MONITORING WELL NETWORK | | | | | | | | | | | |
| B-56 | Downgradient | Overburden | 1393957.9 | 2204187.8 | 823.59 | 820.95 | 45.0 | 786.4 | 776.4 | 10 | 10/3/2016 |
| B-62 | Downgradient | Upper Bedrock | 1389828.1 | 2201811.2 | 760.08 | 760.40 | 39.9 | 730.7 | 720.7 | 10 | 10/4/2016 |
| B-63 | Downgradient | Overburden | 1390999.1 | 2202978.1 | 777.10 | 777.37 | 46.0 | 741.9 | 731.9 | 10 | 10/6/2016 |
| B-66 | Downgradient | Overburden | 1393858.2 | 2204277.5 | 815.90 | 813.33 | 55.3 | 768.3 | 758.3 | 10 | 11/16/2016 |
| B-77 | Downgradient | Overburden | 1390948.7 | 2202942.0 | 776.86 | 777.12 | 42.0 | 745.1 | 735.1 | 10 | 9/17/2019 |
| B-82 | Downgradient | Overburden | 1393750.0 | 2204258.1 | 810.07 | 807.55 | 45.0 | 773.1 | 763.1 | 10 | 9/21/2019 |
| B-83 | Downgradient | Overburden | 1390735.5 | 2202695.6 | 776.98 | 777.17 | 48.6 | 738.6 | 728.6 | 10 | 9/30/2019 |
| B-88 | Downgradient | Overburden | 1394401.1 | 2203738.3 | 820.07 | 816.80 | 72.0 | 754.8 | 744.8 | 10 | 11/15/2019 |
| B-92 | Downgradient | Overburden | 1394392.7 | 2203026.7 | 785.08 | 785.30 | 25.0 | 770.7 | 760.7 | 10 | 12/11/2019 |
| B-93 | Downgradient | Overburden | 1394348.7 | 2202946.7 | 789.07 | 789.19 | 29.2 | 770.3 | 760.3 | 10 | 12/12/2019 |
| B-97 | Downgradient | Overburden/Upper Bedrock | 1394430.0 | 2203008.3 | 786.29 | 786.50 | 31.7 | 765.2 | 755.2 | 10 | 2/11/2020 |
| B-98 | Downgradient | Overburden | 1394392.5 | 2202934.0 | 789.67 | 789.81 | 19.4 | 780.8 | 770.8 | 10 | 2/10/2020 |
| B-100 | Downgradient | Overburden | 1390254.8 | 2202242.1 | 777.95 | 775.32 | 44.8 | 740.5 | 730.5 | 10 | 7/8/2020 |
| B-101D | Downgradient | Overburden/Upper Bedrock | 1394063.6 | 2204168.2 | 824.29 | 821.24 | 75.0 | 756.3 | 746.3 | 10 | 11/12/2020 |
| B-102D | Downgradient | Upper Bedrock | 1393828.4 | 2204200.4 | 823.42 | 820.64 | 85.0 | 746.2 | 736.2 | 10 | 11/10/2020 |
| B-104D | Downgradient | Upper Bedrock | 1391318.3 | 2202298.5 | 787.90 | 785.31 | 60.0 | 735.3 | 725.3 | 10 | 10/20/2020 |
| B-106D | Downgradient | Upper Bedrock | 1394327.1 | 2203869.2 | 826.21 | 823.39 | 80.0 | 754.0 | 744.0 | 10 | 11/13/2020 |
| B-107D | Downgradient | Upper Bedrock | 1392334.5 | 2202596.4 | 823.38 | 820.44 | 85.8 | 745.3 | 735.3 | 10 | 10/28/2020 |
| B-108D | Downgradient | Upper Bedrock | 1392156.1 | 2202312.5 | 821.13 | 818.33 | 80.0 | 749.3 | 739.3 | 10 | 10/27/2020 |
| B-111D | Downgradient | Upper Bedrock | 1394303.6 | 2202956.4 | 791.84 | 788.99 | 85.0 | 714.8 | 704.8 | 10 | 11/3/2020 |
| B-120D | Downgradient | Upper Bedrock | 1394047.2 | 2202436.4 | 836.42 | 834.03 | 69.3 | 775.0 | 765.0 | 10 | 3/6/2021 |
| B-122D | Downgradient | Bedrock | 1390992.8 | 2202975.4 | 777.03 | 777.32 | 79.8 | 707.5 | 697.5 | 10 | 3/24/2022 |
| B-125D | Downgradient | Bedrock | 1394111.6 | 2202580.7 | 821.70 | 819.15 | 145.4 | 684.1 | 674.1 | 10 | 3/31/2023 |

TABLE 1
SUMMARY OF MONITORING WELL, ASSESSMENT WELL AND PIEZOMETER CONSTRUCTION DATA
 Georgia Power Company - Plant McDonough Ash Pond 2 and 3/4
 Smyrna, Georgia

| Well-ID | Hydraulic Location | Screened Media | NAD 83 Northing | NAD 83 Easting | Top of Casing Elevation (feet NAVD 88) | Ground Surface Elevation (feet NAVD 88) | Total Well Depth (feet bgs) | Top of Screen Elevation (feet NAVD 88) | Bottom of Screen Elevation (feet NAVD 88) | Screen Length (feet) | Date of Installation |
|--------------------|--------------------|--------------------------|-----------------|----------------|--|---|-----------------------------|--|---|----------------------|----------------------|
| PIEZOMETERS | | | | | | | | | | | |
| B-3 | Downgradient | Overburden/Upper Bedrock | 1394045.1 | 2202411.5 | 837.78 | 834.86 | 37.0 | 808.2 | 798.2 | 10 | 10/3/2012 |
| B-6 | Downgradient | Overburden | 1394419.5 | 2203266.5 | 789.47 | 786.45 | 35.4 | 761.5 | 751.5 | 10 | 10/9/2012 |
| B-7 | Downgradient | Overburden | 1394374.6 | 2203596.1 | 809.16 | 806.04 | 25.2 | 791.2 | 781.2 | 10 | 10/9/2012 |
| B-16 | Downgradient | Overburden | 1392595.1 | 2203315.4 | 826.47 | 823.54 | 43.7 | 790.1 | 780.1 | 10 | 12/19/2012 |
| B-18 | Downgradient | Overburden | 1392521.0 | 2202875.5 | 826.56 | 823.89 | 32.6 | 801.5 | 791.5 | 10 | 1/10/2013 |
| B-24 | Downgradient | Upper Bedrock | 1392479.9 | 2201450.0 | 822.11 | 819.19 | 79.1 | 750.9 | 740.9 | 10 | 10/24/2012 |
| B-25 | Downgradient | Upper Bedrock | 1392813.3 | 2201502.7 | 836.54 | 833.41 | 54.8 | 789.0 | 779.0 | 10 | 10/24/2012 |
| B-26 | Downgradient | Upper Bedrock | 1393105.6 | 2201550.4 | 853.60 | 850.61 | 49.3 | 811.7 | 801.7 | 10 | 10/23/2012 |
| B-28 | Downgradient | Overburden/Upper Bedrock | 1391967.4 | 2201679.2 | 816.08 | 813.28 | 69.4 | 754.3 | 744.3 | 10 | 10/31/2012 |
| B-29 | Downgradient | Overburden | 1391890.0 | 2201422.0 | 816.43 | 813.47 | 54.4 | 769.4 | 759.4 | 10 | 1/11/2013 |
| B-31 | Downgradient | Upper Bedrock | 1392034.3 | 2200928.5 | 797.47 | 794.84 | 45.1 | 760.1 | 750.1 | 10 | 1/22/2013 |
| B-41 | Downgradient | Overburden | 1390920.8 | 2201751.9 | 795.20 | 792.40 | 60.0 | 743.0 | 733.0 | 10 | 11/14/2012 |
| B-50 | Downgradient | Overburden | 1391657.1 | 2201841.0 | 809.67 | 809.20 | 35.2 | 784.4 | 774.4 | 10 | 6/24/2016 |
| B-51 | Downgradient | Overburden | 1390501.2 | 2200906.5 | 765.92 | 763.29 | 65.0 | 708.3 | 698.3 | 10 | 6/27/2016 |
| B-52 | Downgradient | Overburden | 1392308.3 | 2201314.8 | 822.89 | 820.18 | 50.0 | 781.3 | 771.3 | 10 | 9/28/2016 |
| B-54 | Downgradient | Overburden/Upper Bedrock | 1394423.5 | 2203140.7 | 785.46 | 782.54 | 34.2 | 758.7 | 748.7 | 10 | 9/26/2016 |
| B-55 | Downgradient | Overburden | 1394142.6 | 2204147.9 | 825.12 | 822.86 | 52.0 | 781.9 | 771.9 | 10 | 9/22/2016 |
| B-57 | Downgradient | Upper Bedrock | 1391396.3 | 2202736.9 | 789.04 | 786.03 | 50.5 | 746.0 | 736.0 | 10 | 9/24/2016 |
| B-58 | Downgradient | Overburden | 1391125.7 | 2202426.5 | 788.17 | 785.20 | 45.0 | 750.7 | 740.7 | 10 | 9/23/2016 |
| B-59 | Downgradient | Overburden/Upper Bedrock | 1394349.1 | 2203001.1 | 788.00 | 785.41 | 30.3 | 765.2 | 755.2 | 10 | 9/23/2016 |
| B-60 | Downgradient | Overburden | 1391100.7 | 2202881.6 | 782.13 | 779.25 | 49.8 | 740.0 | 730.0 | 10 | 9/29/2016 |
| B-61 | Downgradient | Overburden | 1390957.8 | 2202505.8 | 782.09 | 778.95 | 51.9 | 737.5 | 727.5 | 10 | 9/29/2016 |
| B-64 | Downgradient | Overburden | 1394381.9 | 2203031.3 | 785.83 | 785.98 | 30.4 | 766.0 | 756.0 | 10 | 11/2/2016 |
| B-65 | Downgradient | Overburden/Upper Bedrock | 1394381.2 | 2204050.8 | 821.95 | 822.30 | 45.4 | 787.9 | 777.9 | 10 | 11/15/2016 |

TABLE 1
SUMMARY OF MONITORING WELL, ASSESSMENT WELL AND PIEZOMETER CONSTRUCTION DATA
 Georgia Power Company - Plant McDonough Ash Pond 2 and 3/4
 Smyrna, Georgia

| Well-ID | Hydraulic Location | Screened Media | NAD 83 Northing | NAD 83 Easting | Top of Casing Elevation (feet NAVD 88) | Ground Surface Elevation (feet NAVD 88) | Total Well Depth (feet bgs) | Top of Screen Elevation (feet NAVD 88) | Bottom of Screen Elevation (feet NAVD 88) | Screen Length (feet) | Date of Installation |
|--------------------|--------------------|--------------------------|-----------------|----------------|--|---|-----------------------------|--|---|----------------------|----------------------|
| PIEZOMETERS | | | | | | | | | | | |
| B-68 | Downgradient | Overburden | 1391298.2 | 2200714.2 | 758.68 | 759.05 | 18.0 | 751.1 | 741.1 | 10 | 3/16/2017 |
| B-72 | Downgradient | Overburden | 1391241.4 | 2200725.9 | 758.46 | 758.45 | 21.9 | 747.0 | 737.0 | 10 | 4/19/2017 |
| B-73 | Downgradient | Overburden | 1391351.8 | 2200699.4 | 759.21 | 759.16 | 15.8 | 753.8 | 743.8 | 10 | 4/19/2017 |
| B-74 | Downgradient | Overburden | 1391279.9 | 2200666.1 | 759.06 | 759.18 | 16.2 | 748.4 | 743.4 | 5 | 4/25/2017 |
| B-76 | Downgradient | Overburden | 1390717.4 | 2202756.9 | 760.53 | 760.87 | 38.5 | 732.4 | 722.4 | 10 | 9/18/2019 |
| B-78 | Downgradient | Overburden/Upper Bedrock | 1394328.2 | 2202958.2 | 790.75 | 787.79 | 30.0 | 767.8 | 758.3 | 10 | 9/22/2019 |
| B-79 | Downgradient | Overburden | 1394458.6 | 2203223.0 | 788.66 | 785.84 | 34.9 | 760.9 | 751.4 | 10 | 9/21/2019 |
| B-80 | Downgradient | Overburden | 1394372.6 | 2203533.9 | 804.47 | 801.73 | 30.0 | 781.9 | 772.4 | 10 | 9/20/2019 |
| B-81 | Downgradient | Overburden | 1394364.9 | 2203741.1 | 820.56 | 817.64 | 50.0 | 778.5 | 768.5 | 10 | 9/22/2019 |
| B-85 | Downgradient | Overburden/Upper Bedrock | 1394433.4 | 2203134.5 | 782.54 | 782.71 | 34.5 | 758.5 | 748.5 | 10 | 11/18/2019 |
| B-86 | Downgradient | Overburden/Upper Bedrock | 1394480.0 | 2203206.6 | 784.29 | 784.52 | 34.1 | 760.4 | 750.4 | 10 | 11/18/2019 |
| B-87 | Downgradient | Overburden | 1394401.9 | 2203531.3 | 803.37 | 800.32 | 42.0 | 768.6 | 758.6 | 10 | 11/17/2019 |
| B-89 | Downgradient | Upper Bedrock | 1394398.4 | 2204049.4 | 822.36 | 822.53 | 49.5 | 783.0 | 773.0 | 10 | 11/19/2019 |
| B-90 | Downgradient | Overburden | 1394501.0 | 2203212.6 | 784.00 | 784.16 | 33.4 | 760.8 | 750.8 | 10 | 12/10/2019 |
| B-91 | Downgradient | Overburden | 1394447.1 | 2203123.9 | 782.98 | 783.10 | 35.0 | 758.5 | 748.5 | 10 | 12/11/2019 |
| B-94 | Downgradient | Overburden | 1394402.0 | 2203513.7 | 801.74 | 799.12 | 45.2 | 764.5 | 754.5 | 10 | 1/23/2020 |
| B-95 | Downgradient | Overburden | 1394518.6 | 2203167.7 | 784.00 | 784.18 | 33.3 | 761.2 | 751.2 | 10 | 2/11/2020 |
| B-96 | Downgradient | Overburden | 1394478.7 | 2203099.3 | 784.92 | 785.19 | 33.1 | 762.1 | 752.1 | 10 | 2/10/2020 |
| B-99 | Downgradient | Overburden | 1394524.2 | 2203084.5 | 782.39 | 782.57 | 12.3 | 775.3 | 770.3 | 5 | 7/7/2020 |

TABLE 1
SUMMARY OF MONITORING WELL, ASSESSMENT WELL AND PIEZOMETER CONSTRUCTION DATA
 Georgia Power Company - Plant McDonough Ash Pond 2 and 3/4
 Smyrna, Georgia

| Well-ID | Hydraulic Location | Screened Media | NAD 83 Northing | NAD 83 Easting | Top of Casing Elevation (feet NAVD 88) | Ground Surface Elevation (feet NAVD 88) | Total Well Depth (feet bgs) | Top of Screen Elevation (feet NAVD 88) | Bottom of Screen Elevation (feet NAVD 88) | Screen Length (feet) | Date of Installation |
|--------------------|--------------------|----------------|-----------------|----------------|--|---|-----------------------------|--|---|----------------------|----------------------|
| PIEZOMETERS | | | | | | | | | | | |
| B-103D | Downgradient | Upper Bedrock | 1391543.5 | 2202614.4 | 795.96 | 793.77 | 70.0 | 733.8 | 723.8 | 10 | 10/15/2020 |
| B-109D | Downgradient | Upper Bedrock | 1393957.5 | 2202127.0 | 850.73 | 847.78 | 100.0 | 758.4 | 748.4 | 10 | 10/31/2020 |
| B-110D | Downgradient | Upper Bedrock | 1391294.4 | 2200736.0 | 764.61 | 764.55 | 65.0 | 711.6 | 701.6 | 10 | 11/17/2020 |
| B-113D | Downgradient | Upper Bedrock | 1391264.6 | 2200719.2 | 758.22 | 758.87 | 84.7 | 684.5 | 674.5 | 10 | 3/30/2021 |
| B-115D | Downgradient | Upper Bedrock | 1391265.3 | 2202580.7 | 789.17 | 786.43 | 79.5 | 717.2 | 707.2 | 10 | 3/20/2021 |
| B-116D | Upgradient | Upper Bedrock | 1390483.7 | 2200611.0 | 807.82 | 805.31 | 89.5 | 726.1 | 716.1 | 10 | 3/8/2021 |
| B-117D | Upgradient | Upper Bedrock | 1393963.8 | 2201727.3 | 863.82 | 861.23 | 75.0 | 796.5 | 786.5 | 10 | 3/17/2021 |
| B-118 | Upgradient | Upper Bedrock | 1391219.3 | 2200449.7 | 807.70 | 804.99 | 75.2 | 740.1 | 730.1 | 10 | 3/9/2021 |
| B-119D | Upgradient | Upper Bedrock | 1391236.4 | 2200446.6 | 807.15 | 804.53 | 105.0 | 709.8 | 699.8 | 10 | 3/16/2021 |
| B-123D | Downgradient | Bedrock | 1391234.4 | 2202608.4 | 781.80 | 778.85 | 160.0 | 668.9 | 618.9 | 50 | 4/4/2022 |

Notes:

1. Coordinate System: NAD 1983 State Plane Georgia West (U.S. feet)
2. bgs - Below Ground Surface; NAD - North American Datum; NAVD - North American Vertical Datum of 1988
3. Ground surface elevations shown are the elevation of the survey nail.
4. Piezometers B-31 and B-74 were decommissioned and abandoned in October 2023.

TABLE 2
GROUNDWATER SAMPLING EVENT SUMMARY
 Georgia Power Company - Plant McDonough Ash Pond 2 and 3/4
 Symrna, Georgia

| Well ID | Hydraulic Location | Summary of Sampling Event | Status of Monitoring Well |
|---|--------------------|---------------------------|---------------------------|
| | | September 2023 | |
| Purpose of Sampling Event | | Detection/ Assessment | |
| ASH POND 2 and ASH PONDS 3/4 (AP-2 & 3/4) MONITORING WELL NETWORK | | | |
| DGWA-53 | Upgradient | X | Assessment |
| DGWA-70A | Upgradient | X | Assessment |
| DGWA-71 | Upgradient | X | Assessment |
| DGWC-2 | Downgradient | X | Assessment |
| DGWC-4 | Downgradient | X | Assessment |
| DGWC-5 | Downgradient | X | Assessment |
| DGWC-8 | Downgradient | X | Assessment |
| DGWC-9 | Downgradient | -- | Assessment |
| DGWC-10 | Downgradient | X | Assessment |
| DGWC-11 | Downgradient | X | Assessment |
| DGWC-12 | Downgradient | X | Assessment |
| DGWC-13 | Downgradient | X | Assessment |
| DGWC-14 | Downgradient | X | Assessment |
| DGWC-15 | Downgradient | X | Assessment |
| DGWC-17 | Downgradient | X | Assessment |
| DGWC-19 | Downgradient | X | Assessment |
| DGWC-20 | Downgradient | X | Assessment |
| DGWC-21 | Downgradient | X | Assessment |
| DGWC-22 | Downgradient | X | Assessment |
| DGWC-23 | Downgradient | X | Assessment |
| DGWC-42 | Downgradient | X | Assessment |
| DGWC-47 | Downgradient | X | Assessment |
| DGWC-48 | Downgradient | X | Assessment |
| ASH POND 2 and ASH PONDS 3/4 (AP-2 & 3/4) ASSESSMENT MONITORING WELL NETWORK | | | |
| B-56 | Downgradient | X | Assessment |
| B-62 | Downgradient | X | Assessment |
| B-63 | Downgradient | X | Assessment |
| B-66 | Downgradient | X | Assessment |
| B-77 | Downgradient | X | Assessment |

TABLE 2
GROUNDWATER SAMPLING EVENT SUMMARY
 Georgia Power Company - Plant McDonough Ash Pond 2 and 3/4
 Symrna, Georgia

| Well ID | Hydraulic Location | Summary of Sampling Event | Status of Monitoring Well |
|---|--------------------|---------------------------|---------------------------|
| | | September 2023 | |
| Purpose of Sampling Event | | Detection/ Assessment | |
| ASH POND 2 and ASH PONDS 3/4 (AP-2 & 3/4) ASSESSMENT MONITORING WELL NETWORK | | | |
| B-82 | Downgradient | X | Assessment |
| B-83 | Downgradient | X | Assessment |
| B-88 | Downgradient | X | Assessment |
| B-92 | Downgradient | X | Assessment |
| B-93 | Downgradient | X | Assessment |
| B-97 | Downgradient | X | Assessment |
| B-98 | Downgradient | X | Assessment |
| B-100 | Downgradient | X | Assessment |
| B-101D | Downgradient | X | Assessment |
| B-102D | Downgradient | X | Assessment |
| B-104D | Downgradient | X | Assessment |
| B-106D | Downgradient | X | Assessment |
| B-107D | Downgradient | X | Assessment |
| B-108D | Downgradient | X | Assessment |
| B-111D | Downgradient | X | Assessment |
| B-120D | Downgradient | X | Assessment |
| B-122D | Downgradient | X | Assessment |
| B-125D | Downgradient | X | Assessment |

Notes:

"--" Not Sampled

X - indicates well sampled during event

TABLE 3
SUMMARY OF GROUNDWATER ELEVATIONS
 Georgia Power Company - Plant McDonough Ash Pond 2 and 3/4
 Symrna, Georgia

| Well ID | Top of Casing Elevation (feet NAVD 88) | Groundwater Elevation (feet NAVD 88) |
|---|---|--------------------------------------|
| | | 9/5/2023 |
| ASH POND 1 (AP-1) DETECTION MONITORING WELL NETWORK | | |
| DGWA-53 | 844.26 | 831.05 |
| DGWA-70A | 808.52 | 767.17 |
| DGWA-71 | 863.84 | 832.52 |
| DGWC-37 | 766.21 | 752.22 |
| DGWC-38 | 757.43 | 750.85 |
| DGWC-39 | 759.89 | 752.34 |
| DGWC-40 | 779.06 | 761.21 |
| DGWC-67 | 766.70 | 756.28 |
| DGWC-68A | 765.33 | 754.88 |
| DGWC-69 | 763.75 | 757.68 |
| DGWC-121 | 764.16 | 754.93 |
| ASH POND 1 (AP-1) ASSESSMENT MONITORING WELL NETWORK | | |
| B-62 | 760.08 | 744.20 |
| B-100 | 777.95 | 743.98 |
| B-105D | 779.01 | 761.57 |
| B-112D | 765.58 | 758.02 |
| ASH POND 2 and ASH PONDS 3/4 (AP-2, 3/4) DETECTION MONITORING WELL NETWORK | | |
| DGWA-53 | 844.26 | 831.05 |
| DGWA-70A | 808.52 | 767.17 |
| DGWA-71 | 863.84 | 832.52 |
| DGWC-2 | 850.88 | 821.65 |
| DGWC-4 | 814.85 | 789.40 |
| DGWC-5 | 791.75 | 777.38 |
| DGWC-8 | 826.38 | 790.92 |
| DGWC-9 | 824.35 | Dry |
| DGWC-10 | 823.55 | 793.86 |
| DGWC-11 | 800.57 | 787.69 |
| DGWC-12 | 773.86 | 764.24 |
| DGWC-13 | 794.10 | 760.08 |
| DGWC-14 | 792.40 | 772.43 |
| DGWC-15 | 824.50 | 784.64 |
| DGWC-17 | 837.05 | 799.09 |
| DGWC-19 | 825.46 | 798.81 |
| DGWC-20 | 822.14 | 797.55 |
| DGWC-21 | 816.28 | 797.24 |
| DGWC-22 | 816.59 | 794.04 |
| DGWC-23 | 818.37 | 796.20 |
| DGWC-42 | 804.68 | 774.32 |
| DGWC-47 | 797.45 | 780.90 |
| DGWC-48 | 788.33 | 773.28 |

TABLE 3
SUMMARY OF GROUNDWATER ELEVATIONS
 Georgia Power Company - Plant McDonough Ash Pond 2 and 3/4
 Symrna, Georgia

| Well ID | Top of Casing Elevation (feet NAVD 88) | Groundwater Elevation (feet NAVD 88) |
|--|---|--------------------------------------|
| | | 9/5/2023 |
| ASH POND 2 and ASH PONDS 3/4 (AP-2, 3/4) ASSESSMENT MONITORING WELL NETWORK | | |
| B-56 | 823.59 | 793.23 |
| B-62 | 760.08 | 744.20 |
| B-63 | 777.10 | 747.47 |
| B-66 | 815.90 | 796.75 |
| B-77 | 776.86 | 747.11 |
| B-82 | 810.07 | 795.53 |
| B-83 | 776.98 | 746.03 |
| B-88 | 820.07 | 781.31 |
| B-92 | 785.08 | 777.13 |
| B-93 | 789.07 | 778.86 |
| B-97 | 786.29 | 780.88 |
| B-98 | 789.67 | 777.85 |
| B-100 | 777.95 | 743.98 |
| B-101D | 824.29 | 786.09 |
| B-102D | 823.42 | 789.32 |
| B-104D | 787.90 | 781.03 |
| B-106D | 826.21 | 787.25 |
| B-107D | 823.38 | 798.90 |
| B-108D | 821.13 | 797.68 |
| B-111D | 791.87 | 779.50 |
| B-120D | 836.42 | 801.27 |
| B-122D | 777.03 | 746.75 |
| B-125D | 821.70 | 798.30 |
| PIEZOMETERS | | |
| B-3 | 837.78 | 801.19 |
| B-6 | 789.47 | 777.14 |
| B-7 | 809.16 | 781.29 |
| B-16 | 826.47 | 789.49 |
| B-18 | 826.56 | 801.57 |
| B-24 | 822.11 | 800.08 |
| B-25 | 836.54 | 820.42 |
| B-26 | 853.60 | 831.44 |
| B-28 | 816.08 | 785.49 |
| B-29 | 816.43 | 787.04 |
| B-31 | 797.47 | 763.45 |
| B-41 | 795.20 | 770.09 |
| B-50 | 809.67 | 786.55 |
| B-51 | 765.92 | 752.70 |
| B-52 | 822.89 | 792.80 |
| B-54 | 785.46 | 776.53 |
| B-55 | 825.12 | 798.00 |
| B-57 | 789.04 | 770.46 |

TABLE 3
SUMMARY OF GROUNDWATER ELEVATIONS
 Georgia Power Company - Plant McDonough Ash Pond 2 and 3/4
 Symrna, Georgia

| Well ID | Top of Casing Elevation (feet NAVD 88) | Groundwater Elevation (feet NAVD 88) |
|--------------------|---|--------------------------------------|
| | | 9/5/2023 |
| PIEZOMETERS | | |
| B-58 | 788.17 | 768.88 |
| B-59 | 788.00 | 775.08 |
| B-60 | 782.13 | 750.98 |
| B-61 | 782.09 | 763.33 |
| B-64 | 785.83 | 776.01 |
| B-65 | 821.95 | 807.43 |
| B-68 | 758.68 | 754.61 |
| B-72 | 758.46 | 754.86 |
| B-73 | 759.21 | 754.58 |
| B-74 | 759.06 | 754.82 |
| B-76 | 760.53 | 745.16 |
| B-78 | 790.75 | 777.51 |
| B-79 | 788.66 | 778.65 |
| B-80 | 804.47 | 781.09 |
| B-81 | 820.56 | 782.57 |
| B-85 | 782.54 | 777.16 |
| B-86 | 784.29 | 779.45 |
| B-87 | 803.37 | 781.12 |
| B-89 | 822.36 | 798.44 |
| B-90 | 784.00 | 779.83 |
| B-91 | 782.98 | 777.87 |
| B-94 | 801.74 | 780.81 |
| B-95 | 784.00 | 780.25 |
| B-96 | 784.92 | 777.67 |
| B-99 | 782.39 | 777.86 |
| B-103D | 795.96 | 782.46 |
| B-109D | 850.73 | 811.84 |
| B-110D | 764.61 | 755.40 |
| B-113D | 758.22 | 756.25 |
| B-115D | 789.17 | 768.58 |
| B-116D | 807.82 | 764.50 |
| B-117D | 863.82 | 831.99 |
| B-118 | 807.70 | 755.74 |
| B-119D | 807.15 | 759.24 |
| B-123D | 781.80 | 769.56 |

Notes:

1. Elevation data recorded in feet referenced to the North American Vertical Datum 1988 (NAVD 88)
2. Survey data for monitoring wells and piezometers provided by Metro Engineering.

TABLE 4
GROUNDWATER VELOCITY CALCULATIONS - SEPTEMBER 2023
 Georgia Power Company - Plant McDonough Ash Pond 2 and 3/4
 Symrna, Georgia

| Flow Paths | Groundwater Elevation (feet) | Δh (feet) ¹ | Δl (feet) ² | Hydraulic Gradient ($\Delta h/\Delta l$) ³ | Average Hydraulic Conductivity, K (centimeter per second) ⁵ | Assumed Effective Porosity (n_e) ⁶ | Average Linear Groundwater Velocity | |
|---|------------------------------|--------------------------------|--------------------------------|---|--|---|-------------------------------------|------------------------------|
| | | | | | | | (feet per day) ⁴ | (feet per year) ⁴ |
| ASH POND 2 AND ASH PONDS 3/4 (AP-2, 3/4) | | | | | | | | |
| DGWA-53/DGWC-13 | 831.05 | 70.97 | 2550 | 0.028 | 0.00077 | 0.2 | 0.30 | 111 |
| | 760.08 | | | | | | | |
| B-26/DGWC-48 | 831.44 | 58.16 | 2000 | 0.029 | 0.00077 | 0.2 | 0.32 | 116 |
| | 773.28 | | | | | | | |

Notes:

1. Δh = Change in groundwater elevation
2. Δl = Distance along flow path
3. $I = \Delta h / \Delta l$
4. Velocity = $(I * K)/n_e$
5. Hydraulic conductivity based on historic aquifer performance tests
6. Assumed effective porosities for overburden was based on the default values recommended by USEPA for a silty sand-type soil (1996). Assumed effective porosity for bedrock was derived from Daniel and Dahlen (2002) and Dowd and Marshall (1995).

**TABLE 5
ANALYTICAL DATA SUMMARY
September 2023**

Georgia Power Company - Plant McDonough Ash Pond 2 and 3/4
Symrna, Georgia

| Analyte | Units | DETECTION MONITORING WELLS | | | | | | | | | | | | |
|------------------------------|-------|----------------------------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|
| | | DGWA-53 | DGWA-70A | DGWA-71 | DGWC-2 | DGWC-4 | DGWC-5 | DGWC-8 | DGWC-9 | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 | DGWC-14 |
| | | 9/7/2023 | 9/6/2023 | 9/6/2023 | 9/13/2023 | 9/13/2023 | 9/13/2023 | 9/12/2023 | 9/12/2023 | 9/11/2023 | 9/8/2023 | 9/11/2023 | 9/8/2023 | 9/8/2023 |
| Appendix III | | | | | | | | | | | | | | |
| BORON, TOTAL | mg/L | 0.052 | 0.012 J | 0.015 J | 0.38 | 5.1 | 2.8 | 0.75 | -- | 0.28 | 1.7 | 0.46 | 0.55 | 0.110 |
| CALCIUM, TOTAL | mg/L | 16.3 | 6.6 | 7.0 | 33.6 | 279 | 152 | 30.0 | -- | 72.7 | 58.6 | 30.8 | 32.7 | 12.0 |
| CHLORIDE, TOTAL | mg/L | 1.7 | 2.2 | 7.8 | 1.9 | 9.4 | 9.5 | 9.50 | -- | 10.1 | 11.2 | 6.5 | 11.7 | 3.5 |
| FLUORIDE, TOTAL | mg/L | 0.082 J | < 0.050 | < 0.050 | 0.083 J | < 0.050 | 0.14 | 0.091 J | -- | 1.3 | < 0.050 | 0.13 | 0.055 J | < 0.050 |
| pH | S.U. | 6.51 | 5.50 | 5.82 | 6.06 | 5.64 | 4.74 | 5.02 | -- | 4.56 | 5.44 | 6.10 | 5.59 | 5.67 |
| SULFATE, TOTAL | mg/L | 15.4 | < 0.50 | 7.2 | 95.5 | 852 | 576 | 134 | -- | 258 | 256 | 132 | 98.7 | 43.1 |
| TOTAL DISSOLVED SOLIDS | mg/L | 123 | 46.0 | 80.0 | 212 | 1520 | 1020 | 251 | -- | 436 | 451 | 302 | 217 | 156 |
| Appendix IV | | | | | | | | | | | | | | |
| ANTIMONY, TOTAL | mg/L | < 0.0012 | < 0.0012 | 0.0045 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 | -- | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 |
| ARSENIC, TOTAL | mg/L | < 0.0037 | < 0.0037 | < 0.0037 | < 0.0037 | < 0.0037 | < 0.0037 | < 0.0037 | -- | 0.0065 | < 0.0037 | < 0.0037 | < 0.0037 | < 0.0037 |
| BARIUM, TOTAL | mg/L | 0.12 | 0.041 | 0.030 | 0.023 | 0.034 | 0.016 | 0.021 | -- | 0.019 | 0.034 | 0.058 | 0.022 | 0.057 |
| BERYLLIUM, TOTAL | mg/L | < 0.000054 | 0.00012 J | 0.00011 J | < 0.000054 | 0.00040 J | 0.0084 | 0.0014 | -- | 0.0065 | 0.00020 J | 0.000077 J | 0.000087 J | < 0.000054 |
| CADMIUM, TOTAL | mg/L | < 0.00011 | < 0.00011 | < 0.00011 | < 0.00011 | 0.00099 | 0.0013 | 0.0015 | -- | 0.00060 | 0.00014 J | < 0.00011 | < 0.00011 | < 0.00011 |
| CHROMIUM, TOTAL | mg/L | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 | -- | 0.0016 J | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 |
| COBALT, TOTAL | mg/L | 0.0086 | < 0.00039 | < 0.00039 | 0.0024 J | 0.0018 J | 0.016 | 0.0030 J | -- | 0.11 | 0.0011 J | 0.017 | < 0.00039 | < 0.00039 |
| FLUORIDE, TOTAL | mg/L | 0.082 J | < 0.050 | < 0.050 | 0.083 J | < 0.050 | 0.14 | 0.091 J | -- | 1.3 | < 0.050 | 0.13 | 0.055 J | < 0.050 |
| LEAD, TOTAL | mg/L | < 0.00012 | < 0.00012 | < 0.00012 | < 0.00012 | < 0.00012 | < 0.00012 | < 0.00012 | -- | < 0.0012 | < 0.00012 | < 0.00012 | < 0.00012 | < 0.00012 |
| LITHIUM, TOTAL | mg/L | 0.0085 J | < 0.00073 | 0.0013 J | 0.017 J | 0.0040 J | 0.0081 J | 0.0045 J | -- | 0.0043 J | 0.0017 J | < 0.00073 | 0.0031 J | 0.0041 J |
| MERCURY, TOTAL | mg/L | < 0.00013 | < 0.00012 | < 0.00012 | < 0.00013 | < 0.00013 | 0.00028 | 0.00013 J | -- | 0.0021 | 0.00048 | < 0.00013 | < 0.00013 | < 0.00013 |
| MOLYBDENUM, TOTAL | mg/L | 0.022 | < 0.00074 | < 0.00074 | 0.0022 J | 0.0034 J | < 0.00074 | < 0.00074 | -- | < 0.00074 | < 0.00074 | < 0.00074 | 0.0073 J | < 0.00074 |
| RADIUM (226 + 228) | pCi/L | 2.16 | 0.651 U | 0.572 U | 0.864 U | 0.964 U | 1.23 U | 0.630 U | -- | 1.09 | 1.20 | 1.02 | 0.771 U | 0.750 U |
| SELENIUM, TOTAL | mg/L | < 0.0014 | < 0.0014 | < 0.0014 | < 0.0014 | < 0.0014 | 0.0020 J | < 0.0014 | -- | 0.038 | < 0.0014 | < 0.0014 | 0.0029 J | 0.0015 J |
| THALLIUM, TOTAL | mg/L | < 0.00018 | 0.00053 J | < 0.00018 | < 0.00018 | < 0.00018 | < 0.00018 | < 0.00018 | -- | < 0.0018 | < 0.00018 | 0.00021 J | < 0.00018 | 0.00056 J |
| Additional Parameters | | | | | | | | | | | | | | |
| ALKALINITY , BICARBONATE | mg/L | 74.5 | 27.2 | 16.4 | 46.6 | 111 | 5.5 | 5.2 | -- | < 5.0 | 13.6 | 66.1 | 21.6 | 15.7 |
| ALKALINITY , CARBONATE | mg/L | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | -- | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |
| ALKALINITY , TOTAL | mg/L | 74.5 | 27.2 | 16.4 | 46.6 | 111 | 5.5 | 5.2 | -- | < 5.0 | 13.6 | 66.1 | 21.6 | 15.7 |
| MAGNESIUM | mg/L | 5.1 | 2.6 | 0.98 | 6.9 | 36.2 | 25.9 | 13.9 | -- | 6.7 | 30.2 | 18.1 | 7.3 | 4.9 |
| POTASSIUM | mg/L | 3.8 | 1.6 | 0.77 | 5.0 | 9.6 | 4.8 | 4.0 | -- | 5.5 | 4.2 | 8.5 | 4.7 | 3.3 |
| SODIUM | mg/L | 7.6 | 3.4 | 8.8 | 8.5 | 51.9 | 23.9 | 12.0 | -- | 11.1 | 20.9 | 8.0 | 17.5 | 7.1 |
| IRON, TOTAL | mg/L | 14.9 | < 0.025 | 0.091 | 0.16 | < 0.025 | < 0.025 | < 0.025 | -- | < 0.025 | < 0.025 | 26.4 | < 0.025 | < 0.025 |
| SULFIDE | mg/L | < 0.022 | < 0.022 | < 0.022 | < 0.022 | < 0.022 | < 0.022 | < 0.022 | -- | < 0.022 | < 0.022 | < 0.022 | < 0.022 | < 0.022 |

Notes:

1. mg/L - milligrams per Liter
2. pCi/L - picocuries per Liter
3. S.U. - Standard Units
4. < indicates the substance was not detected above the analytical method detection limit (MDL). The value displayed is the method detection limit.
5. J indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value. Therefore, the value displayed is qualified by the laboratory as an estimated number.
6. -- indicates substance not analyzed. DGWC-9 was dry during the September 2023 Sampling Event.
7. Radium data are a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.

TABLE 5
ANALYTICAL DATA SUMMARY
September 2023
Georgia Power Company - Plant McDonough Ash Pond 2 and 3/4
Symrna, Georgia

| Analyte | UNITS | DETECTION MONITORING WELLS | | | | | | | | | | ASSESSMENT MONITORING WELLS | | |
|------------------------------|-------|----------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------------------|-----------|-----------|
| | | DGWC-15 | DGWC-17 | DGWC-19 | DGWC-20 | DGWC-21 | DGWC-22 | DGWC-23 | DGWC-42 | DGWC-47 | DGWC-48 | B-56 | B-62 | B-63 |
| | | 9/8/2023 | 9/13/2023 | 9/8/2023 | 9/11/2023 | 9/11/2023 | 9/11/2023 | 9/11/2023 | 9/13/2023 | 9/12/2023 | 9/13/2023 | 9/8/2023 | 9/7/2023 | 9/7/2023 |
| Appendix III | | | | | | | | | | | | | | |
| BORON, TOTAL | mg/L | 1.4 | 1.0 | 2.2 | 2.5 | 7.1 | 3.9 | 4.4 | 1.1 | 0.10 | 0.57 | 1.5 | 0.071 | 0.34 |
| CALCIUM, TOTAL | mg/L | 34.3 | 19.8 | 115 | 114 | 88.4 | 61.2 | 95.4 | 33.6 | 21.9 | 55.0 | 19.8 | 35.1 | 23.7 |
| CHLORIDE, TOTAL | mg/L | 20.0 | 18.2 | 15.8 | 26.9 | 17.8 | 16.8 | 12.0 | 18.4 | 2.4 | 6.5 | 6.8 | 5.4 | 6.8 |
| FLUORIDE, TOTAL | mg/L | < 0.050 | 0.10 | 0.17 | 1.5 | 0.054 J | 0.054 J | 0.10 | < 0.050 | 0.51 | 0.51 | 0.24 | 0.13 | 0.12 |
| pH | S.U. | 5.81 | 5.04 | 4.78 | 4.06 | 5.61 | 5.57 | 5.99 | 5.04 | 3.99 | 4.06 | 4.60 | 6.38 | 5.27 |
| SULFATE, TOTAL | mg/L | 126 | 255 | 369 | 552 | 268 | 236 | 275 | 294 | 119 | 268 | 233 | 49.3 | 87.1 |
| TOTAL DISSOLVED SOLIDS | mg/L | 274 | 480 | 634 | 960 | 519 | 460 | 582 | 545 | 218 | 473 | 402 | 181 | 186 |
| Appendix IV | | | | | | | | | | | | | | |
| ANTIMONY, TOTAL | mg/L | < 0.0012 | < 0.0012 | 0.0013 J | 0.0018 J | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 |
| ARSENIC, TOTAL | mg/L | < 0.0037 | < 0.0037 | < 0.0037 | 0.029 | < 0.0037 | < 0.0037 | < 0.0037 | < 0.0037 | < 0.0037 | < 0.0037 | 0.0043 J | < 0.0037 | < 0.0037 |
| BARIUM, TOTAL | mg/L | 0.035 | 0.031 | 0.022 | 0.014 | 0.024 | 0.029 | 0.022 | 0.015 | 0.023 | 0.015 | 0.028 | 0.015 | 0.025 |
| BERYLLIUM, TOTAL | mg/L | < 0.000054 | 0.00057 | 0.0015 | 0.0067 | 0.00016 J | 0.00012 J | 0.00035 J | 0.0024 | 0.0081 | 0.0065 | 0.0013 | 0.00011 J | 0.00050 J |
| CADMIUM, TOTAL | mg/L | < 0.00011 | 0.00019 J | 0.00034 J | 0.0038 | 0.00054 | 0.00060 | < 0.00011 | 0.00068 | 0.00083 | 0.0026 | 0.00034 J | < 0.00011 | 0.00028 J |
| CHROMIUM, TOTAL | mg/L | < 0.0011 | 0.0027 J | 0.0021 J | 0.0026 J | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 | 0.0013 J |
| COBALT, TOTAL | mg/L | 0.0018 J | 0.020 | 0.051 | 1.4 | 0.0097 | 0.0074 | 0.00074 J | 0.0080 | 0.18 | 0.31 | 0.057 | < 0.00039 | 0.047 |
| FLUORIDE, TOTAL | mg/L | < 0.050 | 0.10 | 0.17 | 1.5 | 0.054 J | 0.054 J | 0.10 | < 0.050 | 0.51 | 0.51 | 0.24 | 0.13 | 0.12 |
| LEAD, TOTAL | mg/L | < 0.00012 | < 0.00012 | < 0.00012 | < 0.012 | < 0.00012 | < 0.00012 | < 0.00012 | 0.00018 J | 0.00024 J | 0.00082 J | < 0.00012 | < 0.00012 | < 0.00012 |
| LITHIUM, TOTAL | mg/L | 0.0051 J | < 0.00073 | 0.0024 J | 0.011 J | 0.0055 J | 0.0031 J | 0.0036 J | 0.0087 J | 0.034 | 0.096 | 0.0055 J | 0.0092 J | 0.0069 J |
| MERCURY, TOTAL | mg/L | < 0.00013 | < 0.00013 | < 0.00013 | < 0.00013 | < 0.00013 | < 0.00013 | < 0.00013 | < 0.00013 | < 0.00013 | < 0.00013 | < 0.00013 | < 0.00013 | < 0.00013 |
| MOLYBDENUM, TOTAL | mg/L | < 0.00074 | < 0.00074 | < 0.00074 | < 0.00074 | < 0.00074 | 0.00097 J | 0.0088 J | < 0.00074 | < 0.00074 | < 0.00074 | < 0.00074 | < 0.00074 | < 0.00074 |
| RADIUM (226 + 228) | pCi/L | 0.673 U | 1.02 U | 0.371 U | 1.45 | 0.429 U | 0.580 U | 1.28 | 1.59 | 2.19 | 1.22 U | 0.859 U | 2.24 | 0.988 U |
| SELENIUM, TOTAL | mg/L | < 0.0014 | 0.0065 | 0.0045 J | 0.14 | < 0.0014 | < 0.0014 | < 0.0014 | < 0.0014 | 0.0022 J | < 0.0014 | 0.0087 | < 0.0014 | < 0.0014 |
| THALLIUM, TOTAL | mg/L | < 0.00018 | < 0.00018 | 0.00050 J | < 0.018 | < 0.00018 | < 0.00018 | < 0.00018 | < 0.00018 | 0.00019 J | < 0.00018 | 0.00021 J | < 0.00018 | < 0.00018 |
| Additional Parameters | | | | | | | | | | | | | | |
| ALKALINITY , BICARBONATE | mg/L | 17.5 | < 5.0 | < 5.0 | < 5.0 | 30.7 | 26.4 | 86.8 | 6.7 | < 5.0 | < 5.0 | < 5.0 | 75.7 | 28.4 |
| ALKALINITY , TOTAL | mg/L | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |
| ALKALINITY , CARBONATE | mg/L | 17.5 | < 5.0 | < 5.0 | < 5.0 | 30.7 | 26.4 | 86.8 | 6.7 | < 5.0 | < 5.0 | < 5.0 | 75.7 | 28.4 |
| MAGNESIUM | mg/L | 14.6 | 55.1 | 11.5 | 22.5 | 18.8 | 22.0 | 23.0 | 23.1 | 6.1 | 12.6 | 35.9 | 5.1 | 8.3 |
| POTASSIUM | mg/L | 4.7 | 3.8 | 4.4 | 13.0 | 6.5 | 6.0 | 7.4 | 5.2 | 5.3 | 12 | 5.3 | 2.4 | 2.6 |
| SODIUM | mg/L | 21.6 | 18.3 | 40.0 | 18.9 | 23.0 | 26.2 | 22.2 | 71.3 | 6.8 | 17.4 | 22.5 | 10.1 | 12.4 |
| IRON, TOTAL | mg/L | 0.13 | 0.041 | < 0.025 | < 0.13 | < 0.025 | < 0.025 | < 0.025 | 0.098 | 3.0 | 3.3 | 0.15 | 5.0 | 0.97 |
| SULFIDE | mg/L | < 0.022 | < 0.022 | < 0.022 | < 0.022 | < 0.022 | < 0.022 | < 0.022 | < 0.022 | < 0.022 | < 0.022 | < 0.022 | < 0.022 | < 0.022 |

Notes:

1. mg/L - milligrams per Liter
2. pCi/L - picocuries per Liter
3. S.U. - Standard Units
4. < indicates the substance was not detected above the analytical method detection limit (MDL). The value displayed is the method detection limit.
5. J indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value. Therefore, the value displayed is qualified by the laboratory as an estimated number.
6. -- indicates substance not analyzed. DGWC-9 was dry during the September 2023 Sampling Event.
7. Radium data are a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.



TABLE 5
ANALYTICAL DATA SUMMARY
September 2023
Georgia Power Company - Plant McDonough Ash Pond 2 and 3/4
Symrna, Georgia

| Analyte | UNITS | ASSESSMENT MONITORING WELLS | | | | | | | | | | | | |
|------------------------------|-------|-----------------------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|------------|-----------|-----------|
| | | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 | B-98 | B-100 | B-101D | B-102D | B-104D |
| | | 9/11/2023 | 9/12/2023 | 9/11/2023 | 9/12/2023 | 9/12/2023 | 9/6/2023 | 9/6/2023 | 9/6/2023 | 9/6/2023 | 9/6/2023 | 9/8/2023 | 9/11/2023 | 9/13/2023 |
| Appendix III | | | | | | | | | | | | | | |
| BORON, TOTAL | mg/L | 2.1 | 0.26 | 0.38 | 0.29 | 1.9 | 3.2 | 3.0 | 3.7 | 0.30 | 0.24 | 1.3 | 1.8 | 0.26 |
| CALCIUM, TOTAL | mg/L | 46.7 | 19.2 | 52.3 | 32.4 | 102 | 158 | 148 | 220 | 43.2 | 49.9 | 96.6 | 71.9 | 152 |
| CHLORIDE, TOTAL | mg/L | 9.0 | 4.0 | 11.9 | 2.4 | 9.1 | 13.6 | 16.8 | 17.2 | 3.2 | 10.0 | 9.5 | 10.4 | 7.7 |
| FLUORIDE, TOTAL | mg/L | 0.12 | 0.069 J | 0.11 | 0.087 J | < 0.050 | 0.26 | 0.26 | 0.085 J | 0.10 | < 0.050 | < 0.050 | 0.10 | 0.30 |
| pH | S.U. | 6.22 | 6.55 | 5.60 | 5.66 | 5.41 | 4.71 | 4.85 | 5.61 | 6.16 | 5.25 | 6.04 | 5.39 | 6.44 |
| SULFATE, TOTAL | mg/L | 260 | < 0.50 | 373 | 95.7 | 449 | 531 | 555 | 639 | 53.9 | 322 | 353 | 233 | 472 |
| TOTAL DISSOLVED SOLIDS | mg/L | 484 | 98.0 | 612 | 204 | 752 | 1020 | 1020 | 1190 | 207 | 641 | 668 | 442 | 839 |
| Appendix IV | | | | | | | | | | | | | | |
| ANTIMONY, TOTAL | mg/L | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 | < 0.0012 |
| ARSENIC, TOTAL | mg/L | < 0.0037 | < 0.0037 | < 0.0037 | < 0.0037 | < 0.0037 | < 0.0037 | < 0.0037 | < 0.0037 | < 0.0037 | < 0.0037 | < 0.0037 | < 0.0037 | < 0.0037 |
| BARIUM, TOTAL | mg/L | 0.028 | 0.12 | 0.024 | 0.028 | 0.017 | 0.013 | 0.017 | 0.020 | 0.051 | 0.021 | 0.075 | 0.019 | 0.020 |
| BERYLLIUM, TOTAL | mg/L | < 0.000054 | < 0.000054 | 0.0017 | 0.00038 J | 0.0014 | 0.013 | 0.014 | 0.0016 | < 0.000054 | 0.00054 | < 0.000054 | 0.00074 | 0.0016 |
| CADMIUM, TOTAL | mg/L | 0.00018 J | < 0.00011 | 0.00058 | 0.00027 J | 0.0026 | 0.00080 | 0.0010 | 0.00059 | 0.00015 J | 0.00035 J | < 0.00011 | 0.00072 | < 0.00011 |
| CHROMIUM, TOTAL | mg/L | < 0.0011 | < 0.0011 | < 0.0011 | 0.0022 J | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 |
| COBALT, TOTAL | mg/L | 0.020 | < 0.00039 | 0.0024 J | 0.015 | 0.0022 J | 0.034 | 0.041 | 0.0029 J | < 0.00039 | 0.031 | 0.0032 J | 0.010 | 0.18 |
| FLUORIDE, TOTAL | mg/L | 0.12 | 0.069 J | 0.11 | 0.087 J | < 0.050 | 0.26 | 0.26 | 0.085 J | 0.10 | < 0.050 | < 0.050 | 0.10 | 0.30 |
| LEAD, TOTAL | mg/L | < 0.00012 | < 0.00012 | < 0.00012 | < 0.00012 | 0.00090 J | < 0.00012 | < 0.00012 | < 0.00012 | < 0.00012 | < 0.00012 | < 0.00012 | < 0.00012 | < 0.00012 |
| LITHIUM, TOTAL | mg/L | < 0.00073 | < 0.00073 | < 0.00073 | 0.0021 J | 0.0040 J | 0.0095 J | 0.013 J | 0.0045 J | 0.00097 J | 0.0023 J | 0.015 J | 0.0091 J | 0.040 |
| MERCURY, TOTAL | mg/L | < 0.00013 | < 0.00013 | < 0.00013 | < 0.00013 | < 0.00013 | < 0.00012 | < 0.00012 | < 0.00012 | < 0.00012 | < 0.00012 | < 0.00013 | < 0.00013 | < 0.00013 |
| MOLYBDENUM, TOTAL | mg/L | < 0.00074 | < 0.00074 | 0.00081 J | < 0.00074 | < 0.00074 | < 0.00074 | < 0.00074 | < 0.00074 | 0.00075 J | < 0.00074 | < 0.00074 | < 0.00074 | 0.00092 J |
| RADIUM (226 + 228) | pCi/L | 0.736 U | 1.16 | 0.212 U | 0.0781 U | 1.16 | 1.41 | 1.05 | 1.06 U | 1.22 | 0.326 U | 1.57 | 1.25 | 13.9 |
| SELENIUM, TOTAL | mg/L | < 0.0014 | < 0.0014 | 0.0018 J | 0.020 | 0.0027 J | 0.0049 J | 0.0071 | 0.0031 J | < 0.0014 | < 0.0014 | < 0.0014 | < 0.0014 | 0.0016 J |
| THALLIUM, TOTAL | mg/L | 0.00021 J | < 0.00018 | < 0.00018 | < 0.00018 | < 0.00018 | < 0.00018 | < 0.00018 | < 0.00018 | < 0.00018 | < 0.00018 | < 0.00018 | < 0.00018 | 0.00028 J |
| Additional Parameters | | | | | | | | | | | | | | |
| ALKALINITY , BICARBONATE | mg/L | 68.1 | < 5.0 | 16.9 | 41.6 | 13.1 | < 5.0 | 9.5 | 60.3 | 76.8 | < 5.0 | 38.3 | 13.5 | 73.0 |
| ALKALINITY , TOTAL | mg/L | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |
| ALKALINITY , CARBONATE | mg/L | 68.1 | < 5.0 | 16.9 | 41.6 | 13.1 | < 5.0 | 9.5 | 60.3 | 76.8 | < 5.0 | 38.3 | 13.5 | 73.0 |
| MAGNESIUM | mg/L | 45.7 | 6.2 | 70.4 | 8.3 | 34.7 | 27.0 | 25.5 | 35.8 | 2.8 | 46.9 | 36.8 | 16.0 | 25.6 |
| POTASSIUM | mg/L | 5.2 | 2.1 | 7.3 | 2.2 | 10.9 | 6.4 | 6.3 | 5.7 | 5.0 | 1.3 | 7.2 | 5.9 | 8.4 |
| SODIUM | mg/L | 29.7 | 6.8 | 16.5 | 8.9 | 26.4 | 29.6 | 26.1 | 41.8 | 4.2 | 28.1 | 24.2 | 17.9 | 19.8 |
| IRON, TOTAL | mg/L | 0.93 | 45.2 | 0.0360 J | 0.11 | 0.29 | 0.080 | < 0.025 | < 0.025 | 0.081 | 21.7 | 1.2 | < 0.025 | 10.7 |
| SULFIDE | mg/L | < 0.022 | < 0.022 | < 0.022 | < 0.022 | < 0.022 | < 0.022 | < 0.022 | < 0.022 | < 0.022 | < 0.022 | < 0.022 | < 0.022 | < 0.022 |

Notes:

1. mg/L - milligrams per Liter
2. pCi/L - picocuries per Liter
3. S.U. - Standard Units
4. < indicates the substance was not detected above the analytical method detection limit (MDL). The value displayed is the method detection limit.
5. J indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value. Therefore, the value displayed is qualified by the laboratory as an estimated number.
6. -- indicates substance not analyzed. DGWC-9 was dry during the September 2023 Sampling Event.
7. Radium data are a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.

**TABLE 5
ANALYTICAL DATA SUMMARY
September 2023**

Georgia Power Company - Plant McDonough Ash Pond 2 and 3/4
Symrna, Georgia

| Analyte | UNITS | ASSESSMENT MONITORING WELLS | | | | | | |
|------------------------------|-------|-----------------------------|------------|------------|------------|-----------|-----------|-----------|
| | | B-106D | B-107D | B-108D | B-111D | B-120D | B-122D | B-125D |
| | | 9/11/2023 | 9/12/2023 | 9/13/2023 | 9/13/2023 | 9/12/2023 | 9/7/2023 | 9/14/2023 |
| Appendix III | | | | | | | | |
| BORON, TOTAL | mg/L | 0.81 | 11.3 | 6.4 | 0.23 | 1.0 | 0.26 | 1.1 |
| CALCIUM, TOTAL | mg/L | 35.3 | 80.8 | 83.9 | 93.4 | 110 | 52.3 | 140 |
| CHLORIDE, TOTAL | mg/L | 7.8 | 14.1 | 29.9 | 10.2 | 6.0 | 12.6 | 5.9 |
| FLUORIDE, TOTAL | mg/L | 0.067 J | < 0.050 | < 0.050 | 0.36 | < 0.050 | 0.22 | < 0.050 |
| pH | S.U. | 5.80 | 5.85 | 5.88 | 7.01 | 5.27 | 5.94 | 5.84 |
| SULFATE, TOTAL | mg/L | 118 | 308 | 296 | 233 | 420 | 110 | 465 |
| TOTAL DISSOLVED SOLIDS | mg/L | 304 | 560 | 607 | 506 | 743 | 324 | 853 |
| Appendix IV | | | | | | | | |
| ANTIMONY, TOTAL | mg/L | < 0.0012 | < 0.0012 | < 0.0012 | 0.0016 J | < 0.0012 | < 0.0012 | < 0.0012 |
| ARSENIC, TOTAL | mg/L | < 0.0037 | < 0.0037 | < 0.0037 | < 0.0037 | < 0.0037 | < 0.0037 | < 0.0037 |
| BARIUM, TOTAL | mg/L | 0.023 | 0.046 | 0.051 | 0.031 | 0.021 | 0.044 | 0.058 |
| BERYLLIUM, TOTAL | mg/L | 0.000066 J | < 0.000054 | < 0.000054 | < 0.000054 | 0.00066 | 0.00049 J | 0.00013 J |
| CADMIUM, TOTAL | mg/L | < 0.00011 | < 0.00011 | < 0.00011 | < 0.00011 | 0.0010 | < 0.00011 | < 0.00011 |
| CHROMIUM, TOTAL | mg/L | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 | < 0.0011 |
| COBALT, TOTAL | mg/L | < 0.00039 | 0.0010 J | 0.00045 J | < 0.00039 | 0.0022 J | 0.011 | 0.0052 |
| FLUORIDE, TOTAL | mg/L | 0.067 J | < 0.050 | < 0.050 | 0.36 | < 0.050 | 0.22 | < 0.050 |
| LEAD, TOTAL | mg/L | < 0.00012 | < 0.00012 | 0.0025 | < 0.00012 | < 0.00012 | < 0.00012 | 0.00015 J |
| LITHIUM, TOTAL | mg/L | 0.0045 J | 0.012 J | 0.014 J | 0.019 J | 0.044 | 0.013 J | 0.031 |
| MERCURY, TOTAL | mg/L | < 0.00013 | < 0.00013 | < 0.00013 | < 0.00013 | < 0.00013 | < 0.00013 | < 0.00013 |
| MOLYBDENUM, TOTAL | mg/L | < 0.00074 | < 0.00074 | 0.00078 J | 0.0071 J | < 0.00074 | 0.0010 J | 0.0034 J |
| RADIUM (226 + 228) | pCi/L | 0.610 U | 0.907 U | 1.12 | 8.60 | 1.74 | 14.9 | 2.41 |
| SELENIUM, TOTAL | mg/L | < 0.0014 | < 0.0014 | < 0.0014 | < 0.0014 | 0.0052 | < 0.0014 | < 0.0014 |
| THALLIUM, TOTAL | mg/L | < 0.00018 | < 0.00018 | < 0.00018 | < 0.00018 | < 0.00018 | < 0.00018 | < 0.00018 |
| Additional Parameters | | | | | | | | |
| ALKALINITY , BICARBONATE | mg/L | 35.2 | 28.4 | 28.1 | 115 | 26.6 | 111 | 75.6 |
| ALKALINITY , TOTAL | mg/L | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |
| ALKALINITY , CARBONATE | mg/L | 35.2 | 28.4 | 28.1 | 115 | 26.6 | 111 | 75.6 |
| MAGNESIUM | mg/L | 16.6 | 27.9 | 32.5 | 8.5 | 22.5 | 10.1 | 26.8 |
| POTASSIUM | mg/L | 3.5 | 6.1 | 5.6 | 6.1 | 8.0 | 3.6 | 10.4 |
| SODIUM | mg/L | 13.7 | 19.1 | 18.1 | 39.8 | 27.5 | 23.7 | 42.0 |
| IRON, TOTAL | mg/L | < 0.025 | 0.36 | 0.38 | 2.1 | 0.140 | 11.3 | 4.8 |
| SULFIDE | mg/L | < 0.022 | < 0.022 | < 0.022 | 0.036 J | < 0.022 | 0.026 J | < 0.022 |

Notes:

1. mg/L - milligrams per Liter
2. pCi/L - picocuries per Liter
3. S.U. - Standard Units
4. < indicates the substance was not detected above the analytical method detection limit (MDL). The value displayed is the method detection limit.
5. J indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value. Therefore, the value displayed is qualified by the laboratory as an estimated number.
6. -- indicates substance not analyzed. DGWC-9 was dry during the September 2023 Sampling Event.
7. Radium data are a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.

TABLE 6
SURFACE WATER ANALYTICAL DATA SUMMARY
September 2023
Georgia Power Company - Plant McDonough Ash Pond 2 and 3/4
Symrna, Georgia

| Analyte | Units | | | | | | | |
|---------------------------------|-------|-----------|-----------|-------------------------------|-----------------------------|-----------|-----------|-----------|
| | | CR+0.4 | CR+0.2 | Dewatering Downstream (DW_DS) | Dewatering Upstream (DW_US) | CR-0.1 | CR-0.2 | CR-0.5 |
| | | 9/12/2023 | 9/12/2023 | 9/12/2023 | 9/12/2023 | 9/12/2023 | 9/12/2023 | 9/12/2023 |
| Appendix III | | | | | | | | |
| Boron | mg/L | 0.041 | < 0.040 | 0.050 | < 0.040 | 0.043 | < 0.040 | < 0.040 |
| Calcium | mg/L | 6.7 | 6.9 | 7.1 | 6.4 | 7.0 | 6.8 | 6.5 |
| Chloride | mg/L | 9.1 | 9.2 | 9.6 | 9.0 | 9.5 | 9.2 | 9.2 |
| Fluoride | mg/L | 0.13 | 0.13 | 0.13 | < 0.10 | 0.13 | 0.11 | < 0.10 |
| Sulfate | mg/L | 6.8 | 6.6 | 7.8 | 6.2 | 7.1 | 6.4 | 6.2 |
| Total Dissolved Solids | mg/L | 47.0 | 65.0 | 63.0 | 46.0 | 50.0 | 53.0 | 50.0 |
| Appendix IV | | | | | | | | |
| Arsenic | mg/L | < 0.0050 | -- | -- | -- | -- | -- | -- |
| Cobalt | mg/L | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0050 |
| Lithium | mg/L | < 0.030 | < 0.030 | < 0.030 | < 0.030 | < 0.030 | < 0.030 | < 0.030 |
| Major Ions | | | | | | | | |
| Alkalinity, Total as CaCO3 | mg/L | 25.7 | 26.5 | 25.7 | 25.7 | 27.0 | 25.3 | 25.5 |
| Alkalinity, Bicarbonate (CaCO3) | mg/L | 25.7 | 26.5 | 25.7 | 25.7 | 27.0 | 25.3 | 25.5 |
| Magnesium | mg/L | 2.1 | 2.2 | 2.3 | 2.0 | 2.2 | 2.2 | 2.1 |
| Potassium | mg/L | 3.3 | 3.4 | 3.3 | 3.2 | 3.4 | 3.4 | 3.2 |
| Sodium | mg/L | 8.8 | 9.2 | 9.4 | 8.5 | 9.4 | 9.0 | 8.6 |

Notes:

mg/L = milligrams per liter; pCi/L = picocuries per Liter

< indicates the substance was not detected above the analytical reporting limit (RL). The value displayed is the RL.

"--" = analysis was not performed.

TABLE 7
SUMMARY OF BACKGROUND LEVELS AND GWPS
 Georgia Power Company - Plant McDonough Ash Pond 2 and 3/4
 Symrna, Georgia

| Analyte | Units | Maximum Contaminant Level (MCL) | Rule Specified Limit (RSL) | Site Specific Background September 2023 ^[1] | GWPS September 2023 |
|--------------------|-------|---------------------------------|----------------------------|--|---------------------|
| Antimony | mg/L | 0.006 | -- | 0.0045 | 0.006 |
| Arsenic | mg/L | 0.01 | -- | 0.0054 | 0.01 |
| Barium | mg/L | 2 | -- | 0.19 | 2.0 |
| Beryllium | mg/L | 0.004 | -- | 0.0009 | 0.004 |
| Cadmium | mg/L | 0.005 | -- | 0.0005 ^[2] | 0.005 |
| Chromium | mg/L | 0.1 | -- | 0.005 ^[2] | 0.1 |
| Cobalt | mg/L | NA | 0.006 | 0.032 | 0.032 |
| Fluoride | mg/L | 4 | -- | 0.42 | 4.0 |
| Lead | mg/L | NA | 0.015 | 0.001 ^[2] | 0.015 |
| Lithium | mg/L | NA | 0.04 | 0.03 ^[2] | 0.04 |
| Mercury | mg/L | 0.002 | -- | 0.0002 ^[2] | 0.002 |
| Molybdenum | mg/L | NA | 0.1 | 0.041 | 0.1 |
| Radium (226 + 228) | pCi/L | 5 | -- | 4.87 | 5.00 |
| Selenium | mg/L | 0.05 | -- | 0.005 ^[2] | 0.05 |
| Thallium | mg/L | 0.002 | -- | 0.001 ^[2] | 0.002 |

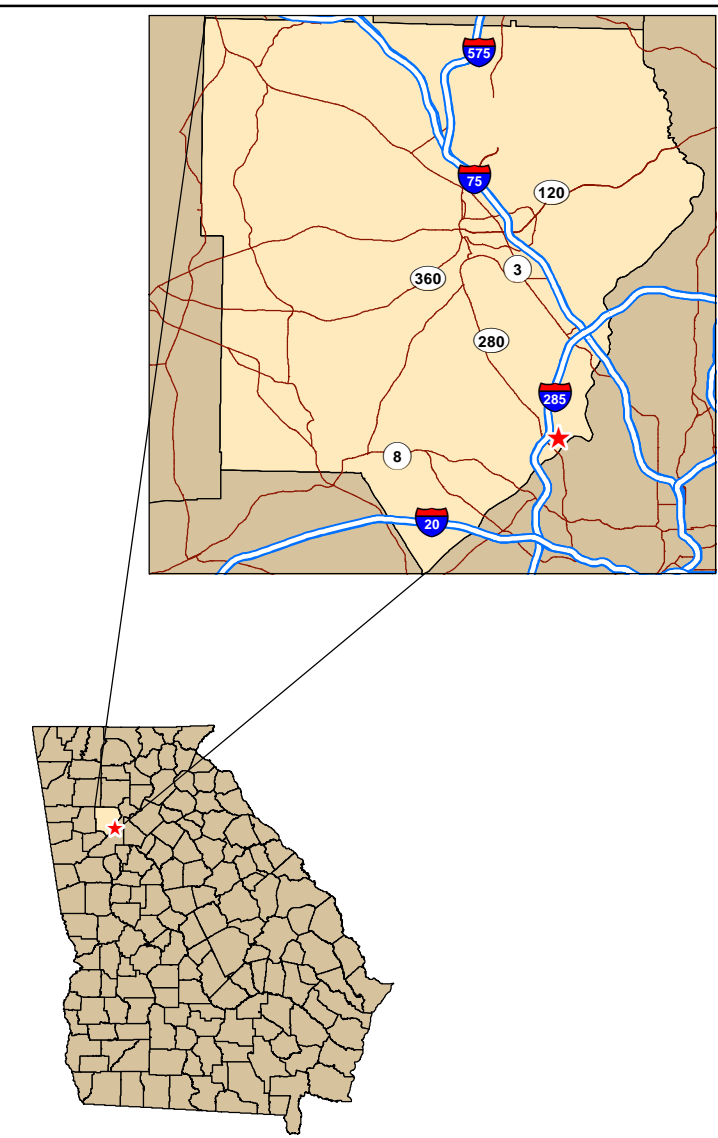
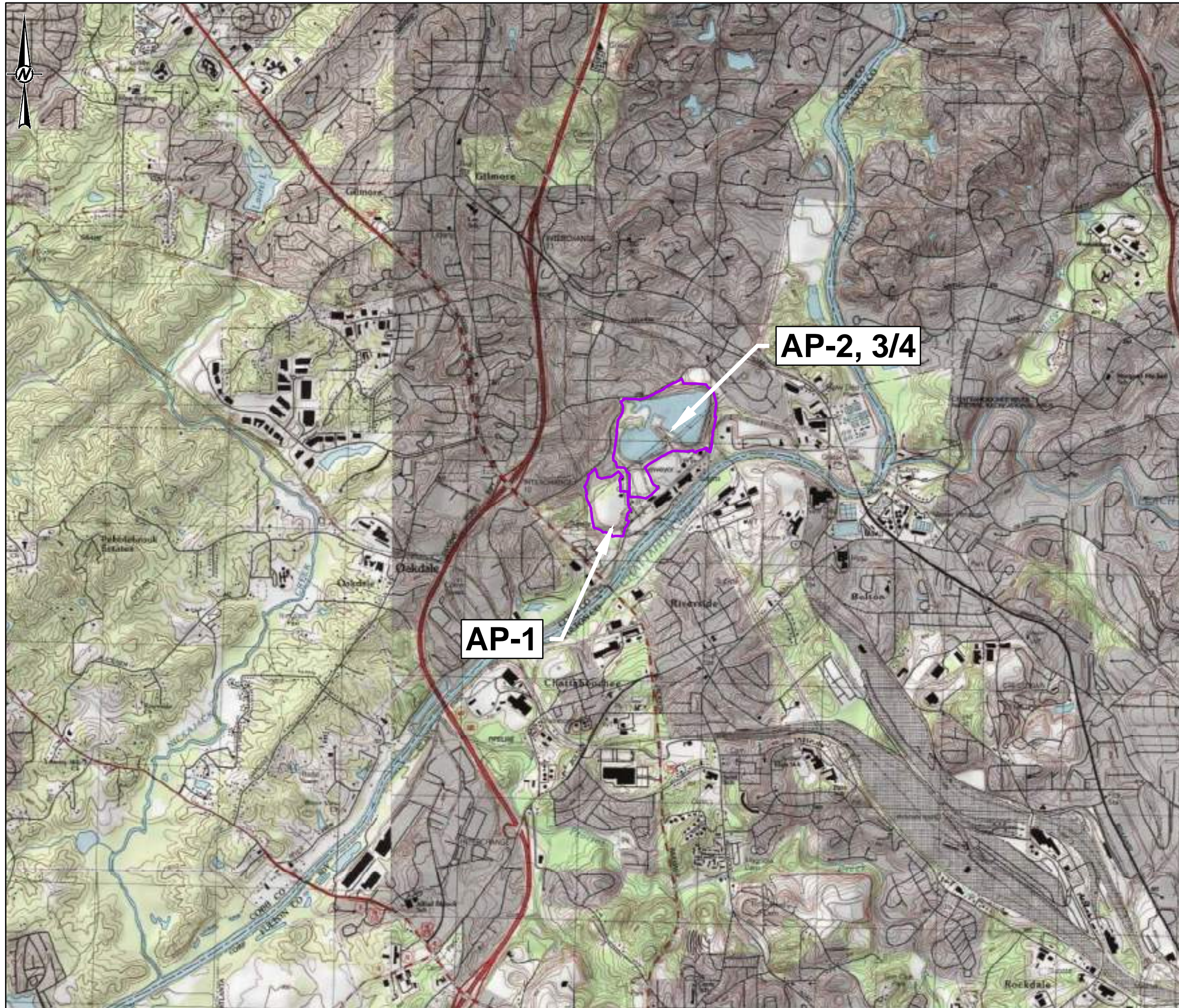
Notes:

mg/L = milligrams per liter; pCi/L = picocuries per liter; NA = Not Available

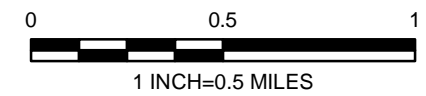
[1] The background limits are used when determining the groundwater protection standard (GWPS) under 40 CFR § 257.95(h) and 391-3-4-.10(6)(a).

[2] The background tolerance limit (TL) used to evaluate GWPS for this analyte equals the laboratory specified reporting limit (RL). Per the Statistical Analysis Plan, and in accordance with the Unified Guidance, a non-parametric limit approach was used when the data set contains greater than 50% non-detect results for this analyte. Under this approach, the TL equals the highest value reported, for which is the laboratory RL.

Figures



REFERENCE
 SERVICE LAYER CREDITS: COPYRIGHT:© 2013 NATIONAL GEOGRAPHIC SOCIETY, I-CUBED



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 PLANT MCDONOUGH-ATKINSON



PROJECT
 2023 SEMI-ANNUAL GROUNDWATER MONITORING AND
 CORRECTIVE ACTION REPORT-ASH POND 2 AND 3/4

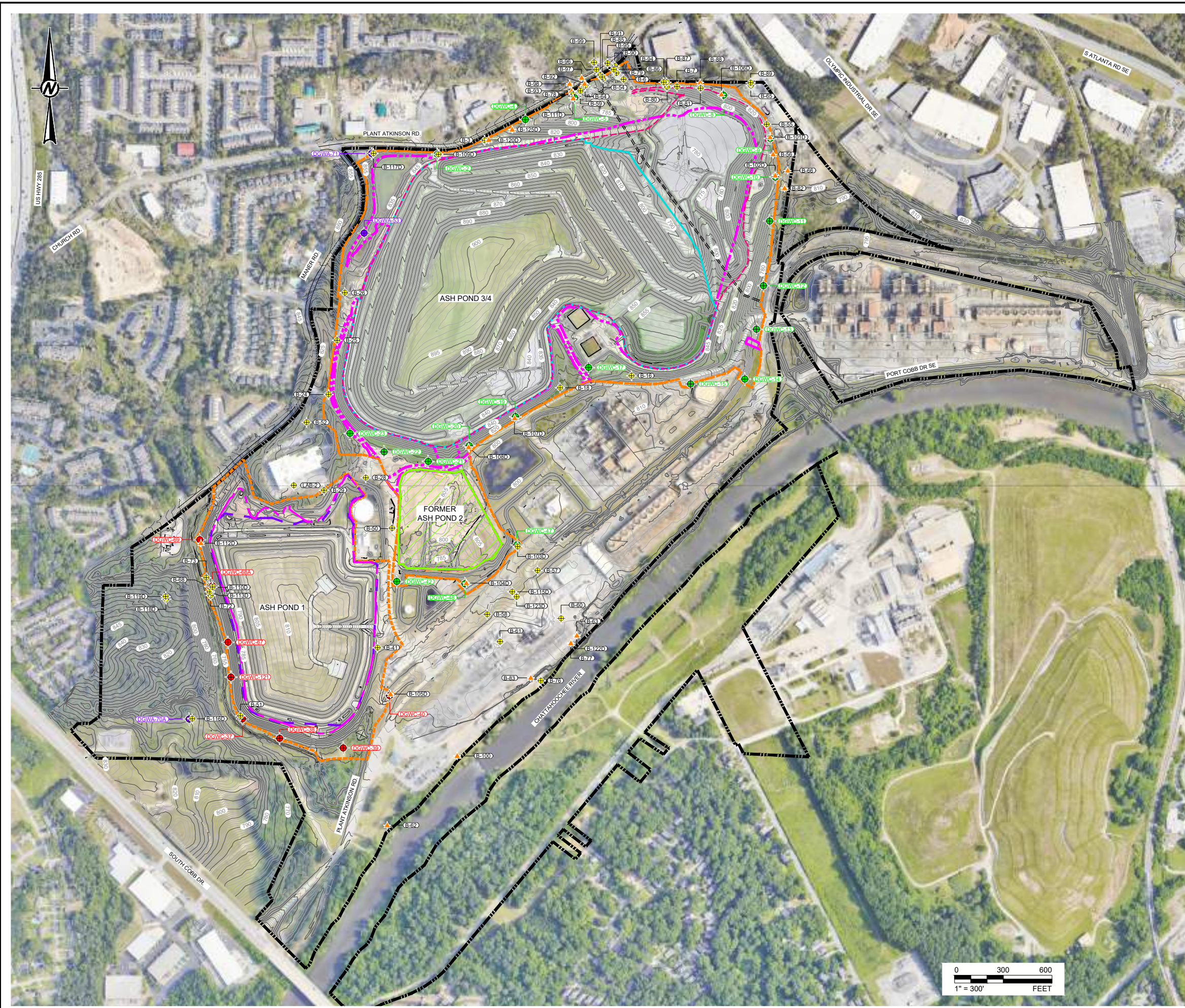
TITLE
SITE LOCATION MAP

| CONSULTANT | YYYY-MM-DD | 2022-4-26 |
|------------|-------------------|-----------|
| | PREPARED | SEB |
| | DESIGN | SEB |
| | CHECKED | DLP |
| | REVIEWED/APPROVED | RNQ |

PROJECT No.
 31406440.MCD23

Rev.
 0

FIGURE
1




LEGEND

- EXISTING CONTOURS (SEE REFERENCE 2)
- PROPERTY BOUNDARY (SEE REFERENCE 1)
- APPROXIMATE PRE-CLOSURE CCR LIMITS
- FINAL CLOSURE CCR LIMITS
- PERMIT BOUNDARY
- FINAL COVER SYSTEM LIMITS
- POST CLOSURE CCR LIMITS
- UPGRADIENT WELL
- AP-1 MONITORING WELL
- AP-2, 3/4 MONITORING WELL
- ASSESSMENT WELLS
- PIEZOMETER
- AREA WHERE ASH HAS BEEN CERTIFIED REMOVED AS OF 2/28/2024

- ### NOTES
- EXISTING TOPOGRAPHIC CONTOUR INTERVAL - 1 FOOT.
 - CLOSURE ACTIVITIES FOR AP-1 WERE INITIATED IN JANUARY 2016 AND FINAL COVER CONSTRUCTION ACTIVITIES WERE COMPLETED IN 2017. COMPLETION OF FINAL POST COVER CONSTRUCTION ACTIVITIES AND IMPROVEMENTS AT AP-1 ARE SUBSTANTIALLY COMPLETE. A PLANNED BARRIER WALL INSTALLATION IS CURRENTLY UNDER REVIEW WITH EPD.
 - CLOSURE ACTIVITIES FOR AP-2 WERE INITIATED IN JANUARY 2016. AP-2 CLOSURE ACTIVITIES CONSISTED OF CLOSURE BY REMOVAL OF CCR, WHERE CCR REMOVED FROM AP-2 WAS PLACED IN THE ADJACENT UNITS AP-1 AND AP-3. CLOSURE CONSTRUCTION ACTIVITIES AT AP-2 WERE COMPLETED IN 2017. BACKFILLING OF THE AP-2 FOOTPRINT WAS COMPLETE IN Q4 2023.
 - CLOSURE ACTIVITIES FOR AP-3 AND AP-4 WERE INITIATED IN JANUARY 2016. AP-3 AND AP-4 ARE CURRENTLY UNDERGOING CLOSURE AS A COMBINED UNIT AP-3/4.
 - DATA PRESENTED FOR CCR UNIT AP-1 IS INCLUDED FOR REFERENCE ONLY. THIS DATA SHOULD NOT BE CONSIDERED FOR PERMITTING OF CCR UNITS AP-2 AND AP-3/4.


- ### REFERENCES
- APPROXIMATE PROPERTY BOUNDARY PROVIDED BY SOUTHERN COMPANY SERVICES (2017).
 - THE EXISTING TOPOGRAPHY, AND CONTOUR ELEVATIONS FOR THE ASH PONDS 1 THROUGH 4 AREAS WERE PROVIDED BY GEORGIA POWER. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS, ON THE AP-1 IS AUGUST 31, 2022, ON AP-2, 3/4 IS NOVEMBER 2, 2022. AERIAL IMAGERY DATE FOR AP-3/4 PROVIDED BY GEORGIA POWER IS MAY 24, 2023, AND FOR AP-1, AP-2 AND SURROUNDING AREAS OF AP-3/4, SOURCED BY PLEXEARTH, IS SEPTEMBER 28, 2023. THE TOPOGRAPHIC CONTOUR INTERVALS IS 1 FOOT.
THE EXISTING TOPOGRAPHY AND CONTOUR ELEVATIONS FOR THE SURROUNDING AREAS OF ASH PONDS 1 THROUGH 4 WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO., INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS, AT THE SURROUNDING AREAS, IS 03-18-2018. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET."
 - SELECT BORING/PIEZOMETER LOCATIONS AND ELEVATIONS RESURVEYED BY METRO ENGINEERING & SURVEYING CO., INC., 2020-2021.
 - COORDINATES SYSTEM: NAD 1983 STATE PLANE GEORGIA WEST (U.S. FEET); ELEVATIONS DISPLAY IN FEET REFERENCED TO NORTH AMERICAN VERTICAL DATUM 1988 (FEET NAVD88).

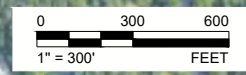
CLIENT
GEORGIA POWER COMPANY
 PLANT MCDONOUGH - ATKINSON



PROJECT
2023 SEMI-ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT - ASH POND 2 AND ASH POND 3/4

TITLE
PLANT MCDONOUGH CCR REMOVAL AREA

| | | |
|---|---------------------|------------|
| CONSULTANT | YYYY-MM-DD | 2024-01-05 |
|  | DESIGNED | SEB |
| | PREPARED | CRP |
| | CHECKED | DLP |
| | REVIEWED / APPROVED | RNQ |



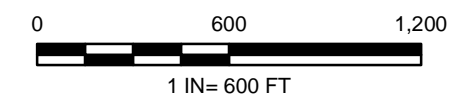
1 in IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM A3 AND D



- LEGEND**
- ◆ AP-1 MONITORING WELL
 - ◆ AP-2,3/4 MONITORING WELL
 - ◆ UPGRADIENT WELL
 - ◆ ASSESSMENT MONITORING WELL
 - ◆ PIEZOMETER
 - ◆ DEWATERING WELL
 - ◆ SURFACE WATER MONITORING LOCATION
 - STAFF GAUGE
 - PROPERTY BOUNDARY
 - PERMIT BOUNDARY

NOTES
 1. ALL LOCATIONS AND BOUNDARIES ARE APPROXIMATE.

REFERENCE
 1. AERIAL IMAGE DATED NOVEMBER 2019 FROM GOOGLE EARTH AND JANUARY 2023 PROVIDED BY GPC.
 2. COORDINATE SYSTEM: NAD 1983 STATE PLANE GEORGIA WEST (U.S. FEET).
 3. MONITORING WELL/PIEZOMETER LOCATIONS AND ELEVATIONS SURVEYED BY METRO ENGINEERING AND SURVEYING COMPANY IN AUGUST 2020 WITH ADDITIONAL SURVEY PROVIDED IN JANUARY 2021, MAY 2021, AND MAY 2023.




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 GEORGIA POWER COMPANY
 PLANT MCDONOUGH-ATKINSON



PROJECT
 2023 SEMI-ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT- ASH POND 2 AND 3/4

TITLE
MONITORING WELL, PIEZOMETER AND SURFACE WATER LOCATION MAP

| CONSULTANT | YYYY-MM-DD | 2024-02-09 |
|---|-------------------|------------|
|  | PREPARED | YCS |
| | DESIGN | DLP |
| | CHECKED | DP/RPK |
| | REVIEWED/APPROVED | RNQ |

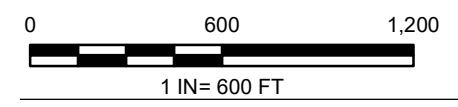
PROJECT No. 31406440.MCD23 Rev. 0 FIGURE 3



- LEGEND**
- ◆ AP-1 MONITORING WELL
 - ◆ AP-2,3/4 MONITORING WELL
 - ◆ UPGRADIENT WELL
 - ◆ ASSESSMENT MONITORING WELL
 - ◆ PIEZOMETER
 - ◆ DEWATERING WELL
 - ➔ APPROXIMATE GROUNDWATER FLOW DIRECTION
 - GROUNDWATER SURFACE CONTOUR (FT-NAVD88)
 - SURFACE WATER STREAM
 - - - PERMIT BOUNDARY
 - - - PROPERTY BOUNDARY
 - EXISTING TOPOGRAPHY 10-FOOT
 - EXISTING TOPOGRAPHY 2-FOOT

- NOTES**
1. ALL LOCATIONS AND BOUNDARIES ARE APPROXIMATE.
 2. GROUNDWATER ELEVATION MEASUREMENTS OBTAINED SEPTEMBER 5, 2023 BY WSP.
 3. GROUNDWATER ELEVATIONS DISPLAYED IN FEET REFERENCED TO NORTH AMERICAN VERTICAL DATUM (FT NAVD88).
 4. WELLS AND PIEZOMETERS THAT CONTAIN A "D" DESIGNATION FOLLOWING THE NUMBER ARE DEEP WELLS AND ELEVATIONS ARE NOT USED FOR CONTOURING.

- REFERENCE**
1. AERIAL IMAGERY DATE FOR AP-3/4 PROVIDED BY GEORGIA POWER IS MAY 24, 2023, AND FOR AP-1, AP-2 AND SURROUNDING AREAS OF AP- 3/4, SOURCED BY PLEXEARTH, IS SEPTEMBER 28, 2023.
 2. COORDINATE SYSTEM: NAD 1983 STATE PLANE GEORGIA WEST (U.S. FEET).
 3. MONITORING WELL/PIEZOMETER LOCATIONS AND ELEVATIONS SURVEYED BY METRO ENGINEERING AND SURVEYING COMPANY IN AUGUST 2020 WITH ADDITIONAL SURVEY PROVIDED IN JANUARY 2021, MAY 2021, AND MAY 2023.



CLIENT
 GEORGIA POWER COMPANY
 PLANT MCDONOUGH-ATKINSON



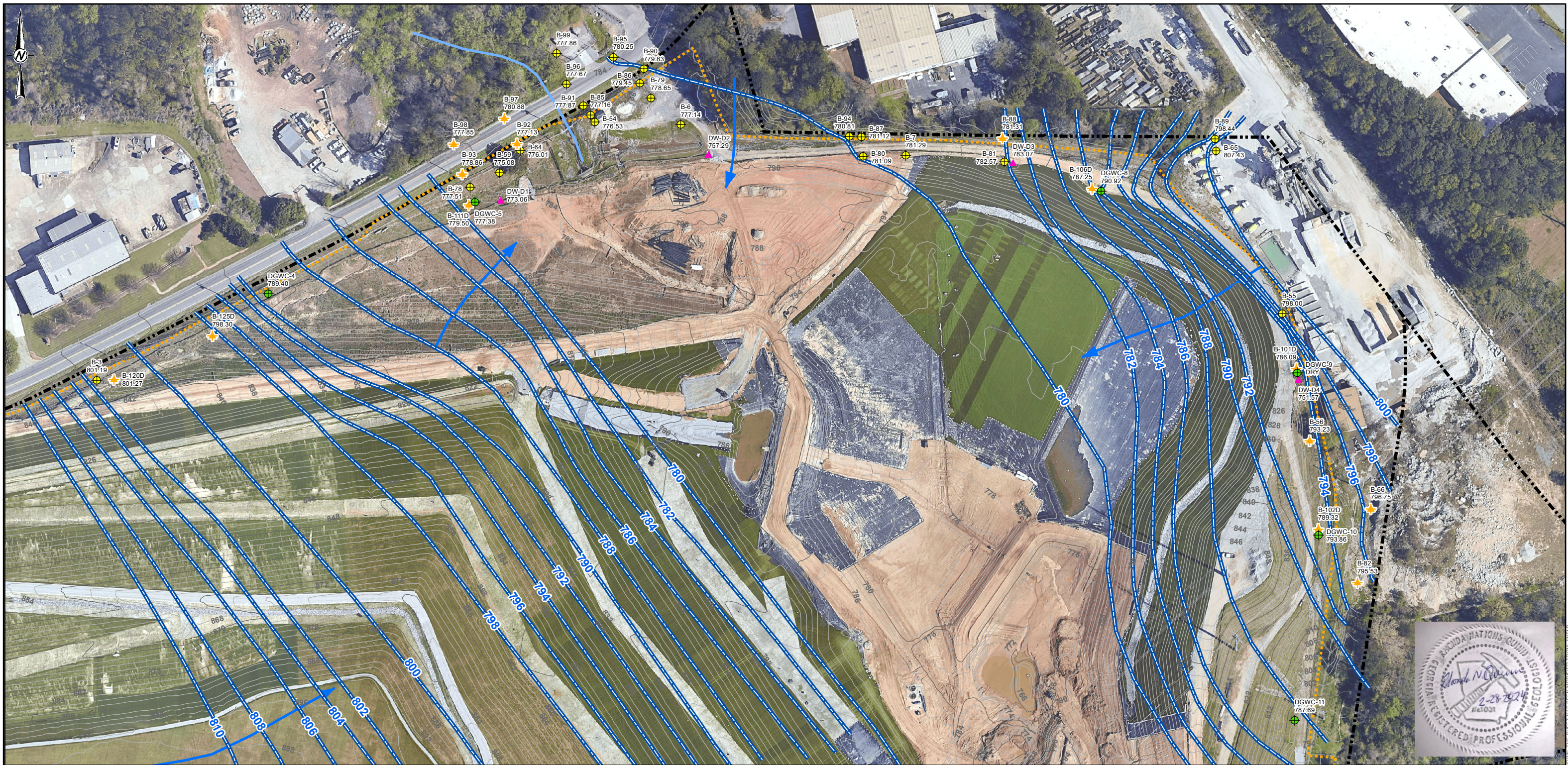
PROJECT
 2023 SEMI-ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT-ASH POND 2 AND 3/4

TITLE
SITE POTENTIOMETRIC MAP – SEPTEMBER 5, 2023

| CONSULTANT | YYYY-MM-DD | 2024-02-08 |
|------------|-------------------|------------|
| WSP | PREPARED | YCS |
| | DESIGN | SEB |
| | CHECKED | DLP |
| | REVIEWED/APPROVED | RNQ |



IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET HAS BEEN MODIFIED FROM ANSIS B



- LEGEND**
- ◆ AP-1 MONITORING WELL
 - ◆ AP-2,3/4 MONITORING WELL
 - ◆ UPGRADIENT WELL
 - ◆ ASSESSMENT MONITORING WELL
 - ◆ PIEZOMETER
 - ◆ DEWATERING WELL
 - GROUNDWATER SURFACE CONTOUR (FT-NAVD88)
 - ➔ APPROXIMATE GROUNDWATER FLOW DIRECTION
 - SURFACE WATER STREAM
 - - - PERMIT BOUNDARY
 - - - PROPERTY BOUNDARY
 - EXISTING TOPOGRAPHY 10-FOOT
 - EXISTING TOPOGRAPHY 2-FOOT

- NOTES**
1. ALL LOCATIONS AND BOUNDARIES ARE APPROXIMATE.
 2. GROUNDWATER ELEVATION MEASUREMENTS OBTAINED SEPTEMBER 5, 2023 BY WSP.
 3. GROUNDWATER ELEVATIONS DISPLAYED IN FEET REFERENCED TO NORTH AMERICAN VERTICAL DATUM (FT NAVD88).
 4. WELLS AND PIEZOMETERS THAT CONTAIN A "D" DESIGNATION FOLLOWING THE NUMBER ARE DEEP WELLS AND ELEVATIONS ARE NOT USED FOR CONTOURING.

- REFERENCE**
1. AERIAL IMAGERY DATE FOR AP-3/4 PROVIDED BY GEORGIA POWER IS MAY 24, 2023, AND FOR AP-1, AP-2 AND SURROUNDING AREAS OF AP- 3/4, SOURCED BY PLEXEARTH, IS SEPTEMBER 28, 2023.
 2. COORDINATE SYSTEM: NAD 1983 STATE PLANE GEORGIA WEST (U.S. FEET).
 3. MONITORING WELL/PIEZOMETER LOCATIONS AND ELEVATIONS SURVEYED BY METRO ENGINEERING AND SURVEYING COMPANY IN AUGUST 2020 WITH ADDITIONAL SURVEY PROVIDED IN JANUARY 2021



| | | |
|---|-----------------|------------|
| CLIENT | | |
| GEORGIA POWER COMPANY | | |
| PROJECT | | |
| PLANT MCDONOUGH-ATKINSON | | |
| 2023 SEMI-ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT-ASH POND 2 AND 3/4 | | |
| TITLE | | |
| (INSET) SITE POTENTIOMETRIC MAP | | |
| SEPTEMBER 5, 2023 | | |
| CONSULTANT | | |
| | YYYY-MM-DD | 2024-02-08 |
| | PREPARED | YCS |
| | DESIGN | SEB |
| | CHECKED | DLP |
| | REVIEW/APPROVED | RNQ |
| PROJECT NO. CONTROL | REV. | FIGURE |
| 31406440.MCD23 | 0 | 4B |

THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN. THE SHEET HAS BEEN MODIFIED FROM ANS B



LEGEND

- ◆ AP-1 MONITORING WELL
- ◆ AP-2,3/4 MONITORING WELL
- ◆ UPGRADIENT WELL
- ★ ASSESSMENT MONITORING WELL
- ◆ PIEZOMETER
- ◆ SURFACE WATER MONITORING LOCATION
- ▲ DEWATERING WELL
- 0.01 ARSENIC GWPS ISOCONCENTRATION CONTOUR
- INFERRED POTENTIOMETRIC SURFACE CONTOUR (SEP 2023)
- - - PROPERTY BOUNDARY
- PERMIT BOUNDARY

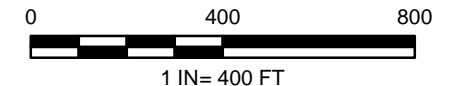
NOTES

1. ALL LOCATIONS AND BOUNDARIES ARE APPROXIMATE
2. GROUNDWATER CONCENTRATIONS IN MILLIGRAMS PER LITER (MG/L). GWPS = GROUNDWATER PROTECTION STANDARD.
3. DATA SHOWN REPRESENT THE SEPTEMBER 2023 SEMI-ANNUAL MONITORING EVENT RESULTS AS WELL AS APPLICABLE DELINEATION WELL DATA.
4. DEEP WELL ANALYTICAL RESULTS NOT USED FOR ISOCONCENTRATION CONTOURING.
5. POTENTIOMETRIC SURFACE DETERMINED USING SEPTEMBER 2023 WATER LEVELS.

| Analyte | Units | GWPS |
|---------|-------|------|
| Arsenic | mg/L | 0.01 |

REFERENCE

1. AERIAL IMAGE DATED NOVEMBER 2019 FROM GOOGLE EARTH AND JANUARY 2023 PROVIDED BY GPC.
2. COORDINATE SYSTEM: NAD 1983 STATE PLANE GEORGIA WEST (U.S. FEET).
3. MONITORING WELL/PIEZOMETER LOCATIONS AND ELEVATIONS SURVEYED BY METRO ENGINEERING AND SURVEYING COMPANY IN AUGUST 2020 WITH ADDITIONAL SURVEY PROVIDED IN JANUARY 2021 AND MAY 2021.



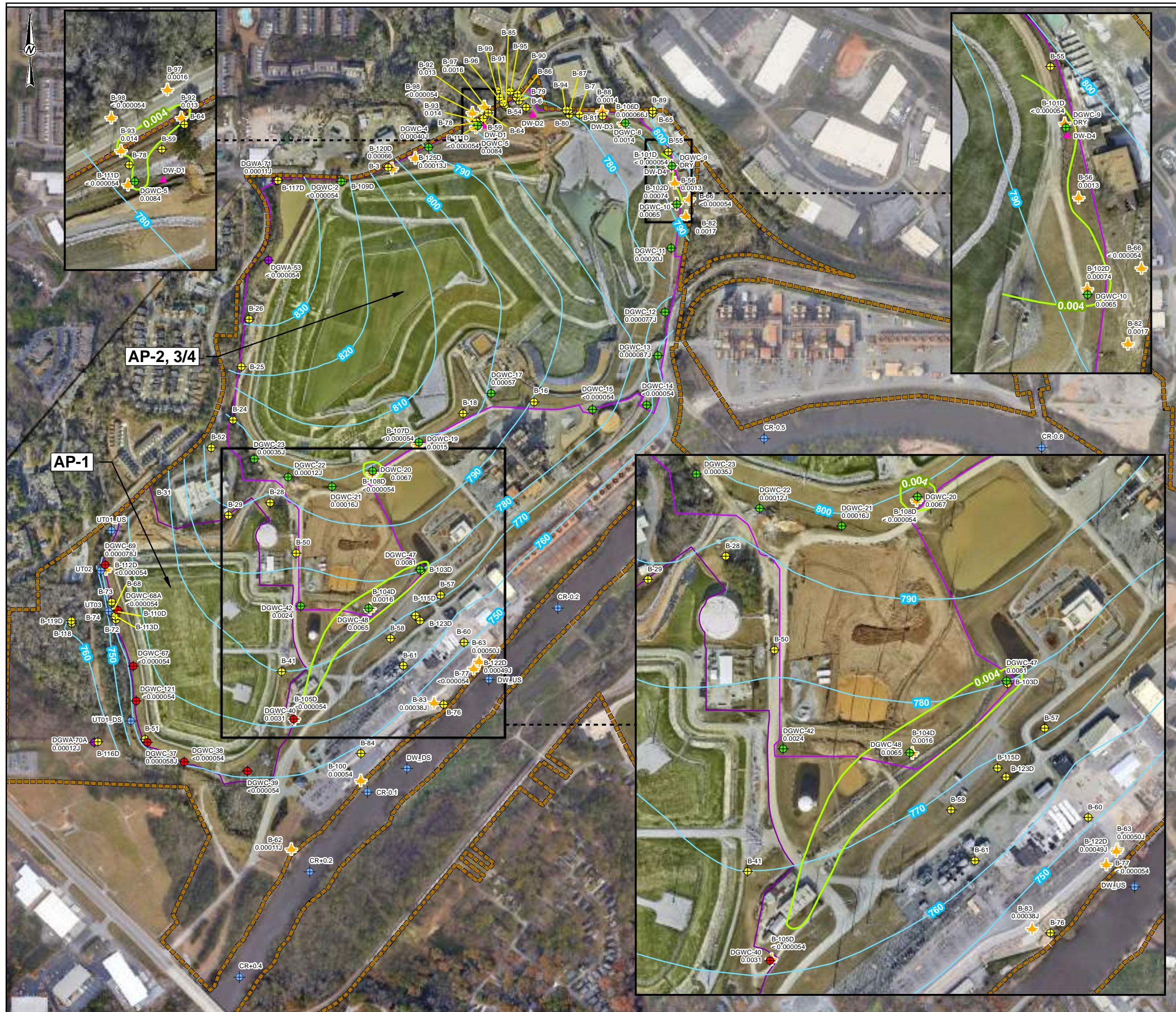
CLIENT
GEORGIA POWER COMPANY
 PLANT MCDONOUGH-ATKINSON

PROJECT
 2023 SEMI-ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT- ASH POND 2 AND 3/4



TITLE
ARSENIC ISOCONCENTRATION CONTOUR MAP - SEPTEMBER 2023

| CONSULTANT | YYYY-MM-DD | 2024-02-21 |
|------------|-------------------|------------|
| | PREPARED | YCS |
| | DESIGN | BAS |
| | CHECKED | DLP |
| | REVIEWED/APPROVED | RNQ |



LEGEND

- AP-1 MONITORING WELL
- AP-2,3/4 MONITORING WELL
- UPGRADIENT WELL
- ★ ASSESSMENT MONITORING WELL
- PIEZOMETER
- ⊕ SURFACE WATER MONITORING LOCATION
- ▲ DEWATERING WELL

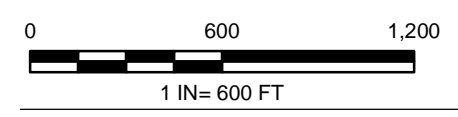
Type

- 0.004 BERYLLIUM GWPS ISOCONCENTRATION CONTOUR
- INFERRED POTENTIOMETRIC SURFACE CONTOUR (SEP 2023)
- - - PROPERTY BOUNDARY
- PERMIT BOUNDARY

- NOTES**
- ALL LOCATIONS AND BOUNDARIES ARE APPROXIMATE
 - GROUNDWATER CONCENTRATIONS IN MILLIGRAMS PER LITER (MG/L). GWPS = GROUNDWATER PROTECTION STANDARD.
 - DATA SHOWN REPRESENT THE SEPTEMBER 2023 SEMI-ANNUAL MONITORING EVENT RESULTS AS WELL AS APPLICABLE DELINEATION WELL DATA.
 - DEEP WELL ANALYTICAL RESULTS NOT USED FOR ISOCONCENTRATION CONTOURING.
 - POTENTIOMETRIC SURFACE DETERMINED USING SEPTEMBER 2023 WATER LEVELS.

| Analyte | Units | GWPS |
|-----------|-------|-------|
| Beryllium | mg/L | 0.004 |

- REFERENCE**
- AERIAL IMAGE DATED NOVEMBER 2019 FROM GOOGLE EARTH AND JANUARY 2023 PROVIDED BY GPC.
 - COORDINATE SYSTEM: NAD 1983 STATE PLANE GEORGIA WEST (U.S. FEET).
 - MONITORING WELL/PIEZOMETER LOCATIONS AND ELEVATIONS SURVEYED BY METRO ENGINEERING AND SURVEYING COMPANY IN AUGUST 2020 WITH ADDITIONAL SURVEY PROVIDED IN JANUARY 2021 AND MAY 2021.



CLIENT
GEORGIA POWER COMPANY
 PLANT MCDONOUGH-ATKINSON

PROJECT
 2023 SEMI-ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT- ASH POND 2 AND 3/4



TITLE
BERYLLIUM ISOCONCENTRATION CONTOUR MAP - SEPTEMBER 2023

| | | |
|------------|-------------------|------------|
| CONSULTANT | YYYY-MM-DD | 2024-02-21 |
| | PREPARED | YCS |
| | DESIGN | BAS |
| | CHECKED | DLP |
| | REVIEWED/APPROVED | RNQ |

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET HAS BEEN MODIFIED FROM ANS/B

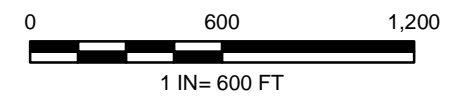


- LEGEND**
- AP-1 MONITORING WELL
 - AP-2,3/4 MONITORING WELL
 - UPGRADIENT WELL
 - ★ ASSESSMENT MONITORING WELL
 - PIEZOMETER
 - SURFACE WATER MONITORING LOCATION
 - ▲ DEWATERING WELL
 - 0.032 COBALT GWPS ISOCONCENTRATION CONTOUR
 - - - COBALT GWPS ISOCONCENTRATION CONTOUR (INFERRED)
 - INFERRED POTENTIOMETRIC SURFACE CONTOUR (SEP 2023)
 - PROPERTY BOUNDARY
 - PERMIT BOUNDARY

- NOTES**
1. ALL LOCATIONS AND BOUNDARIES ARE APPROXIMATE
 2. GROUNDWATER CONCENTRATIONS IN MILLIGRAMS PER LITER (MG/L). GWPS = GROUNDWATER PROTECTION STANDARD. RSL = (FEDERAL REGIONAL SCREENING LEVEL)
 3. DATA SHOWN REPRESENT THE SEPTEMBER 2023 SEMI-ANNUAL MONITORING EVENT RESULTS AS WELL AS APPLICABLE DELINEATION WELL DATA.
 4. GWPS IS EQUAL TO SITE SPECIFIC BACKGROUND CONCENTRATION AS THERE IS NO MCL AND THE RSL IS BELOW SITE SPECIFIC BACKGROUND
 5. DEEP WELL ANALYTICAL RESULTS NOT USED FOR ISOCONCENTRATION CONTOURING.
 6. POTENTIOMETRIC SURFACE DETERMINED USING SEPTEMBER 2023 WATER LEVELS.

| Analyte | Units | GWPS |
|---------|-------|-------|
| Cobalt | mg/L | 0.032 |

- REFERENCE**
1. AERIAL IMAGE DATED NOVEMBER 2019 FROM GOOGLE EARTH AND JANUARY 2023 PROVIDED BY GPC.
 2. COORDINATE SYSTEM: NAD 1983 STATE PLANE GEORGIA WEST (U.S. FEET).
 3. MONITORING WELL/PIEZOMETER LOCATIONS AND ELEVATIONS SURVEYED BY METRO ENGINEERING AND SURVEYING COMPANY IN AUGUST 2020 WITH ADDITIONAL SURVEY PROVIDED IN JANUARY 2021 AND MAY 2021.

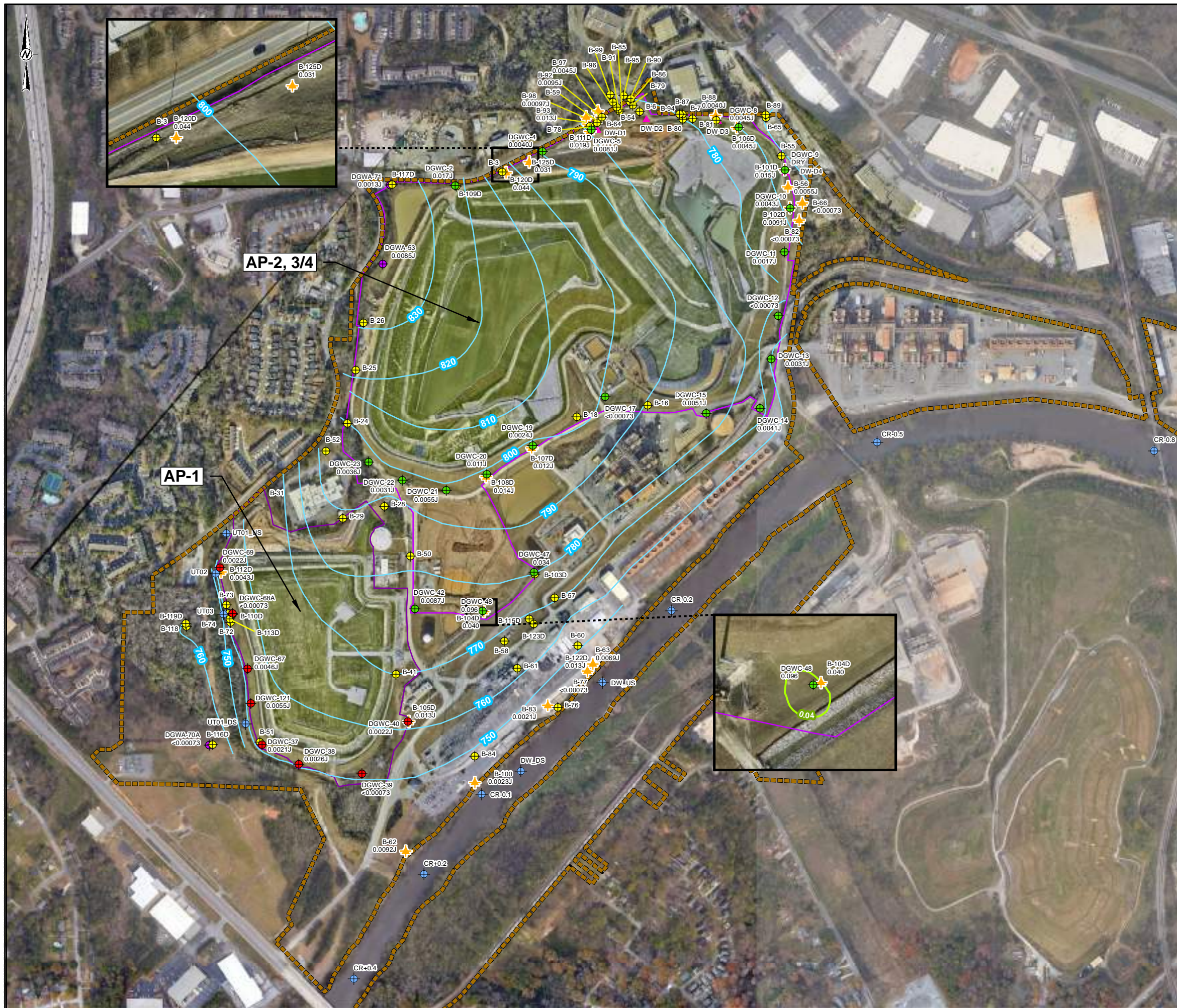


CLIENT
GEORGIA POWER COMPANY
 PLANT MCDONOUGH-ATKINSON

PROJECT
 2023 SEMI-ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT- ASH POND 2 AND 3/4

TITLE
COBALT ISOCONCENTRATION CONTOUR MAP - SEPTEMBER 2023

| CONSULTANT | YYYY-MM-DD | 2024-02-21 |
|------------|-------------------|------------|
| | PREPARED | YCS |
| | DESIGN | BAS |
| | CHECKED | DLP |
| | REVIEWED/APPROVED | RNQ |



LEGEND

- ◆ AP-1 MONITORING WELL
- ◆ AP-2,3/4 MONITORING WELL
- ◆ UPGRADIENT WELL
- ★ ASSESSMENT MONITORING WELL
- ◆ PIEZOMETER
- ◆ SURFACE WATER MONITORING LOCATION
- ◆ DEWATERING WELL
- 0.04 LITHIUM GWPS ISOCONCENTRATION CONTOUR
- INFERRED POTENTIOMETRIC SURFACE CONTOUR (SEPT 2023)
- PROPERTY BOUNDARY
- PERMIT BOUNDARY

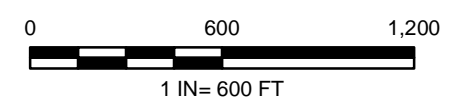
NOTES

1. ALL LOCATIONS AND BOUNDARIES ARE APPROXIMATE.
2. GROUNDWATER CONCENTRATIONS IN MILLIGRAMS PER LITER (MG/L). GWPS = GROUNDWATER PROTECTION STANDARD.
3. DATA SHOWN REPRESENT THE SEPTEMBER 2023 SEMI-ANNUAL MONITORING EVENT RESULTS AS WELL AS APPLICABLE DELINEATION WELL DATA.
4. DEEP WELL ANALYTICAL RESULTS NOT USED FOR ISOCONCENTRATION CONTOURING.
5. POTENTIOMETRIC SURFACE DETERMINED USING SEPTEMBER 2023 WATER LEVELS.

| Analyte | Units | GWPS |
|---------|-------|------|
| Lithium | mg/L | 0.04 |

REFERENCE

1. AERIAL IMAGE DATED NOVEMBER 2019 FROM GOOGLE EARTH AND JANUARY 2023 PROVIDED BY GPC.
2. COORDINATE SYSTEM: NAD 1983 STATE PLANE GEORGIA WEST (U.S. FEET).
3. MONITORING WELL/PIEZOMETER LOCATIONS AND ELEVATIONS SURVEYED BY METRO ENGINEERING AND SURVEYING COMPANY IN AUGUST 2020 WITH ADDITIONAL SURVEY PROVIDED IN JANUARY 2021 AND MAY 2021.

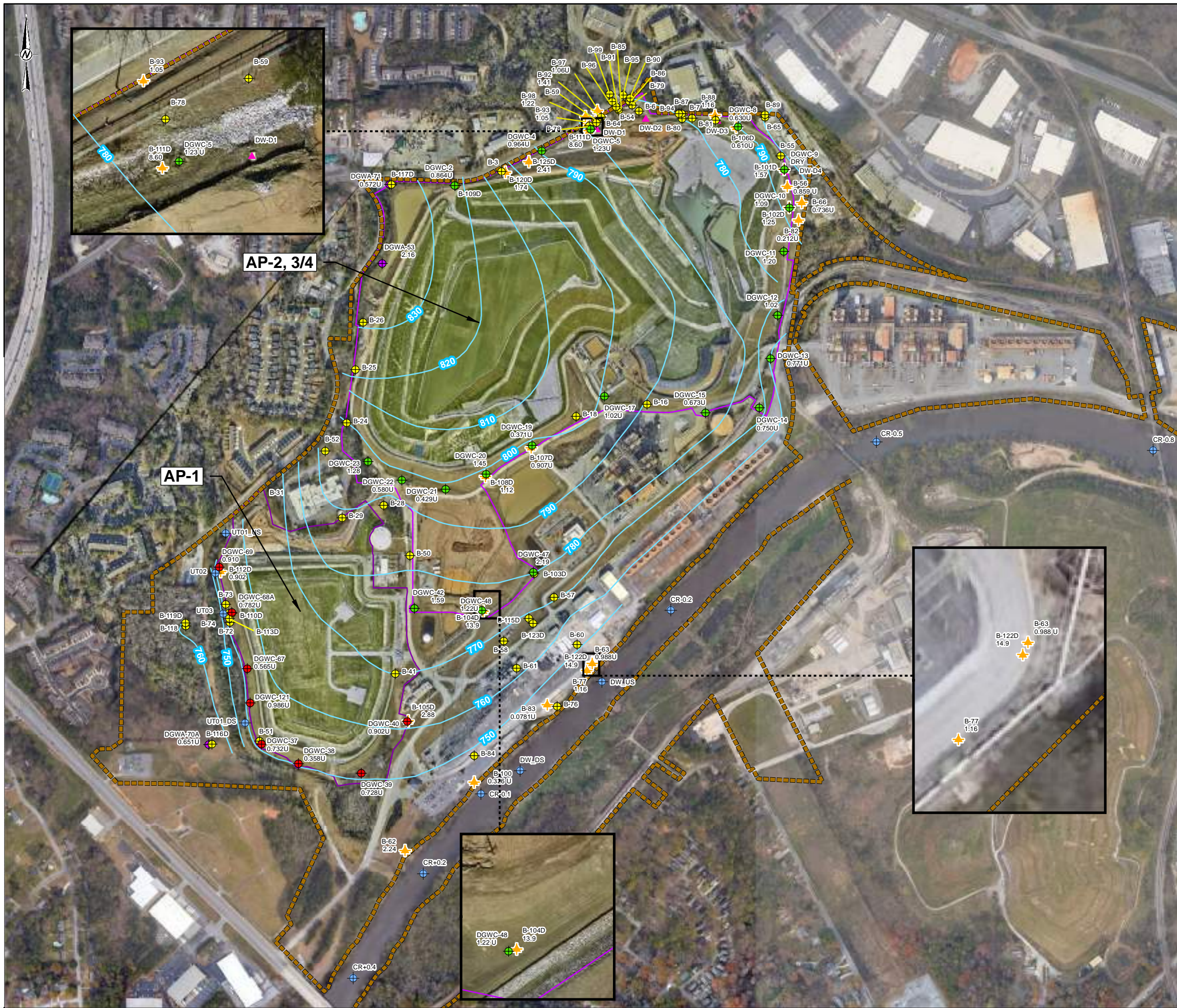


CLIENT
GEORGIA POWER COMPANY
 PLANT MCDONOUGH-ATKINSON

PROJECT
 2023 SEMI-ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT- ASH POND 2 AND 3/4

TITLE
LITHIUM ISOCONCENTRATION CONTOUR MAP - SEPTEMBER 2023

| CONSULTANT | YYYY-MM-DD | 2024-02-25 |
|------------|-------------------|------------|
| | PREPARED | YCS |
| | DESIGN | BAS |
| | CHECKED | DLP |
| | REVIEWED/APPROVED | RNQ |



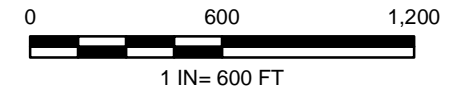
LEGEND

- AP-1 MONITORING WELL
- AP-2,3/4 MONITORING WELL
- UPGRADIENT WELL
- ★ ASSESSMENT MONITORING WELL
- PIEZOMETER
- SURFACE WATER MONITORING LOCATION
- ▲ DEWATERING WELL
- 5 RADIUM GWPS ISOCONCENTRATION CONTOUR
- INFERRED POTENTIOMETRIC SURFACE CONTOUR (SEPT 2023)
- PROPERTY BOUNDARY
- PERMIT BOUNDARY

- NOTES**
1. ALL LOCATIONS AND BOUNDARIES ARE APPROXIMATE.
 2. GROUNDWATER CONCENTRATIONS IN PICOCURIES PER LITER (PC/L). GWPS = GROUNDWATER PROTECTION STANDARD.
 3. DATA SHOWN REPRESENT THE SEPTEMBER 2023 SEMI-ANNUAL MONITORING EVENT RESULTS AS WELL AS APPLICABLE DELINEATION WELL DATA.
 4. DEEP WELL ANALYTICAL RESULTS NOT USED FOR ISOCONCENTRATION CONTOURING.
 5. POTENTIOMETRIC SURFACE DETERMINED USING SEPTEMBER 2023 WATER LEVELS.

| Analyte | Units | GWPS |
|------------------|-------|------|
| Radium (226+228) | pCi/L | 5 |

- REFERENCE**
1. AERIAL IMAGE DATED NOVEMBER 2019 FROM GOOGLE EARTH AND JANUARY 2023 PROVIDED BY GPC.
 2. COORDINATE SYSTEM: NAD 1983 STATE PLANE GEORGIA WEST (U.S. FEET).
 3. MONITORING WELL/PIEZOMETER LOCATIONS AND ELEVATIONS SURVEYED BY METRO ENGINEERING AND SURVEYING COMPANY IN AUGUST 2020 WITH ADDITIONAL SURVEY PROVIDED IN JANUARY 2021 AND MAY 2021.



CLIENT
GEORGIA POWER COMPANY
 PLANT MCDONOUGH-ATKINSON

PROJECT
 2023 SEMI-ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT- ASH POND 2 AND 3/4

TITLE
RADIUM ISOCONCENTRATION CONTOUR MAP - SEPTEMBER 2023

| CONSULTANT | YYYY-MM-DD | 2024-02-25 |
|------------|-------------------|------------|
| | PREPARED | YCS |
| | DESIGN | BAS |
| | CHECKED | DLP |
| | REVIEWED/APPROVED | RNQ |

APPENDIX A

Field Data Forms and Instrument Calibration Forms

APPENDIX A

Field Data Forms

Low-Flow Test Report:

Test Date / Time: 9/7/2023 9:18:23 AM

Project: MCD SAGW 2 (4)

Operator Name: P Wahl

| | | |
|---|---|--|
| Location Name: MCD-DGWA-53 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 26.89 ft Total Depth: 36.89 ft Initial Depth to Water: 13.7 ft | Pump Type: Peristaltic Tubing Type: LDPE Pump Intake From TOC: 30 ft Estimated Total Volume Pumped: 9500 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 4.53 ft | Instrument Used: Aqua TROLL 400 Serial Number: 980712 |
|---|---|--|

Test Notes:

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|-------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 0.2 | +/- 10 | +/- 10 | +/- 0.3 | |
| 9/7/2023 9:18 AM | 00:00 | 6.39 pH | 23.72 °C | 215.96 µS/cm | 1.73 mg/L | 8.00 NTU | -27.5 mV | 14.06 ft | 100.00 ml/min |
| 9/7/2023 9:23 AM | 05:00 | 6.45 pH | 21.77 °C | 220.36 µS/cm | 0.43 mg/L | 9.19 NTU | -48.0 mV | 14.70 ft | 100.00 ml/min |
| 9/7/2023 9:28 AM | 10:00 | 6.47 pH | 21.92 °C | 220.20 µS/cm | 0.35 mg/L | 7.32 NTU | -40.2 mV | 15.20 ft | 100.00 ml/min |
| 9/7/2023 9:33 AM | 15:00 | 6.49 pH | 22.03 °C | 219.42 µS/cm | 0.34 mg/L | 8.62 NTU | -40.7 mV | 15.62 ft | 100.00 ml/min |
| 9/7/2023 9:38 AM | 20:00 | 6.49 pH | 22.25 °C | 219.54 µS/cm | 0.31 mg/L | 8.81 NTU | -41.8 mV | 15.95 ft | 100.00 ml/min |
| 9/7/2023 9:43 AM | 25:00 | 6.49 pH | 22.45 °C | 219.91 µS/cm | 0.56 mg/L | 8.52 NTU | -42.2 mV | 16.22 ft | 100.00 ml/min |
| 9/7/2023 9:48 AM | 30:00 | 6.49 pH | 22.48 °C | 220.00 µS/cm | 0.28 mg/L | 8.23 NTU | -54.1 mV | 16.52 ft | 100.00 ml/min |
| 9/7/2023 9:53 AM | 35:00 | 6.49 pH | 22.66 °C | 219.76 µS/cm | 0.27 mg/L | 8.63 NTU | -42.5 mV | 16.75 ft | 100.00 ml/min |
| 9/7/2023 9:58 AM | 40:00 | 6.49 pH | 22.84 °C | 219.36 µS/cm | 0.27 mg/L | 7.89 NTU | -43.1 mV | 16.95 ft | 100.00 ml/min |
| 9/7/2023 10:03 AM | 45:00 | 6.50 pH | 22.93 °C | 217.45 µS/cm | 0.24 mg/L | 8.65 NTU | -54.2 mV | 17.13 ft | 100.00 ml/min |
| 9/7/2023 10:08 AM | 50:00 | 6.49 pH | 22.93 °C | 217.15 µS/cm | 0.25 mg/L | 7.49 NTU | -42.4 mV | 17.30 ft | 100.00 ml/min |
| 9/7/2023 10:13 AM | 55:00 | 6.49 pH | 23.13 °C | 218.02 µS/cm | 0.25 mg/L | 6.26 NTU | -44.6 mV | 17.45 ft | 100.00 ml/min |
| 9/7/2023 10:18 AM | 01:00:00 | 6.49 pH | 23.31 °C | 216.70 µS/cm | 0.24 mg/L | 6.37 NTU | -55.7 mV | 17.58 ft | 100.00 ml/min |
| 9/7/2023 10:23 AM | 01:05:00 | 6.50 pH | 23.42 °C | 216.36 µS/cm | 0.23 mg/L | 5.44 NTU | -46.4 mV | 17.70 ft | 100.00 ml/min |
| 9/7/2023 10:28 AM | 01:10:00 | 6.49 pH | 23.12 °C | 216.53 µS/cm | 0.22 mg/L | 5.20 NTU | -56.7 mV | 17.80 ft | 100.00 ml/min |

| | | | | | | | | | |
|----------------------|----------|---------|----------|--------------|-----------|----------|----------|----------|---------------|
| 9/7/2023 10:33 AM | 01:15:00 | 6.49 pH | 23.60 °C | 217.14 µS/cm | 0.22 mg/L | 5.23 NTU | -46.9 mV | 18.88 ft | 100.00 ml/min |
| 9/7/2023 10:38 AM | 01:20:00 | 6.50 pH | 23.76 °C | 217.00 µS/cm | 0.22 mg/L | 6.11 NTU | -49.4 mV | 18.99 ft | 100.00 ml/min |
| 9/7/2023 10:43 AM | 01:25:00 | 6.50 pH | 23.62 °C | 217.01 µS/cm | 0.22 mg/L | 6.30 NTU | -49.3 mV | 18.09 ft | 100.00 ml/min |
| 9/7/2023 10:48 AM | 01:30:00 | 6.50 pH | 23.60 °C | 217.75 µS/cm | 0.22 mg/L | 5.13 NTU | -50.3 mV | 18.16 ft | 100.00 ml/min |
| 9/7/2023 10:53 AM | 01:35:00 | 6.51 pH | 23.78 °C | 218.59 µS/cm | 0.21 mg/L | 4.85 NTU | -61.7 mV | 18.23 ft | 100.00 ml/min |

Samples

| Sample ID: | Description: |
|-------------|--------------|
| MCD-DGWA-53 | |

Low-Flow Test Report:

Test Date / Time: 9/6/2023 12:20:36 PM

Project: MCD SAGW 2 (2)

Operator Name: P Wahl

| | | |
|---|---|--|
| Location Name: MCD-DGWA-70A Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 52.54 ft Total Depth: 62.54 ft Initial Depth to Water: 41.33 ft | Pump Type: Dedicated Bladder Tubing Type: LDPE Pump Intake From TOC: 57 ft Estimated Total Volume Pumped: 5000 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0.41 ft | Instrument Used: Aqua TROLL 400 Serial Number: 980712 |
|---|---|--|

Test Notes:

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|----------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 10 % | +/- 10 | +/- 10 | +/- 0.3 | |
| 9/6/2023 12:20 PM | 00:00 | 5.65 pH | 25.87 °C | 70.30 µS/cm | 5.69 mg/L | 13.20 NTU | 126.7 mV | 41.63 ft | 200.00 ml/min |
| 9/6/2023 12:25 PM | 05:00 | 5.49 pH | 22.43 °C | 69.73 µS/cm | 5.01 mg/L | 5.30 NTU | 136.2 mV | 41.65 ft | 200.00 ml/min |
| 9/6/2023 12:30 PM | 10:00 | 5.48 pH | 21.94 °C | 68.56 µS/cm | 5.00 mg/L | 2.52 NTU | 137.6 mV | 41.69 ft | 200.00 ml/min |
| 9/6/2023 12:35 PM | 15:00 | 5.50 pH | 21.52 °C | 70.50 µS/cm | 4.96 mg/L | 2.73 NTU | 136.8 mV | 41.72 ft | 200.00 ml/min |
| 9/6/2023 12:40 PM | 20:00 | 5.51 pH | 21.76 °C | 70.66 µS/cm | 4.95 mg/L | 2.09 NTU | 136.3 mV | 41.73 ft | 200.00 ml/min |
| 9/6/2023 12:45 PM | 25:00 | 5.50 pH | 21.68 °C | 70.93 µS/cm | 4.89 mg/L | 1.53 NTU | 136.0 mV | 41.74 ft | 200.00 ml/min |

Samples

| Sample ID: | Description: |
|--------------|--------------|
| MCD-DGWA-70A | |

Low-Flow Test Report:

Test Date / Time: 9/6/2023 3:43:36 PM

Project: SCS MCD (4)

Operator Name: Dana Bloomfield

| | | |
|--|--|--|
| Location Name: MCD-DGWA-71 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 37.71 ft Total Depth: 47.71 ft Initial Depth to Water: 31.29 ft | Pump Type: Bladder Tubing Type: LDPE Estimated Total Volume Pumped: 5000 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0.3 ft | Instrument Used: Aqua TROLL 400 Serial Number: 883553 |
|--|--|--|

Test Notes:

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 0.2 | +/- 10 | +/- 10 | +/- 0.3 | |
| 9/6/2023 3:43 PM | 00:00 | 5.91 pH | 21.06 °C | 86.44 µS/cm | 1.75 mg/L | 9.97 NTU | 131.8 mV | 31.29 ft | 200.00 ml/min |
| 9/6/2023 3:48 PM | 05:00 | 5.88 pH | 21.46 °C | 88.12 µS/cm | 1.37 mg/L | 4.25 NTU | 139.2 mV | 31.50 ft | 200.00 ml/min |
| 9/6/2023 3:53 PM | 10:00 | 5.86 pH | 21.51 °C | 87.92 µS/cm | 1.23 mg/L | 4.25 NTU | 144.2 mV | 31.59 ft | 200.00 ml/min |
| 9/6/2023 3:58 PM | 15:00 | 5.85 pH | 21.50 °C | 88.06 µS/cm | 1.16 mg/L | 5.80 NTU | 146.6 mV | 31.59 ft | 200.00 ml/min |
| 9/6/2023 4:03 PM | 20:00 | 5.83 pH | 21.51 °C | 87.61 µS/cm | 1.22 mg/L | 3.93 NTU | 140.7 mV | 31.59 ft | 200.00 ml/min |
| 9/6/2023 4:08 PM | 25:00 | 5.82 pH | 21.60 °C | 88.04 µS/cm | 1.30 mg/L | 1.94 NTU | 127.8 mV | 31.59 ft | 200.00 ml/min |

Samples

| Sample ID: | Description: |
|-------------|--------------|
| MCD-DGWA-71 | |

Low-Flow Test Report:

Test Date / Time: 9/13/2023 10:18:55 AM

Project: SCS Plant McDonough

Operator Name: Mark Mann

| | | |
|---|---|--|
| Location Name: MCD-DGWC-2 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 42.42 ft Total Depth: 52.42 ft Initial Depth to Water: 29.27 ft | Pump Type: Dedicated Bladder Tubing Type: LDPE Pump Intake From TOC: 47 ft Estimated Total Volume Pumped: 4800 ml Flow Cell Volume: 90 ml Final Flow Rate: 160 ml/min Final Draw Down: 0.34 ft | Instrument Used: Aqua TROLL 400 Serial Number: 965586 |
|---|---|--|

Test Notes:

Fe2+: 0.0

Weather Conditions:

Sunny

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|-----------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 10 % | +/- 5 | +/- 10 | +/- 0.3 | |
| 9/13/2023 10:18 AM | 00:00 | 7.33 pH | 25.96 °C | 330.93 µS/cm | 7.16 mg/L | 2.03 NTU | 151.5 mV | 29.27 ft | 160.00 ml/min |
| 9/13/2023 10:23 AM | 05:00 | 6.13 pH | 20.92 °C | 314.87 µS/cm | 1.21 mg/L | 6.70 NTU | 131.9 mV | 29.59 ft | 160.00 ml/min |
| 9/13/2023 10:28 AM | 10:00 | 6.09 pH | 20.77 °C | 315.48 µS/cm | 0.70 mg/L | 7.69 NTU | 175.8 mV | 29.57 ft | 160.00 ml/min |
| 9/13/2023 10:33 AM | 15:00 | 6.08 pH | 21.06 °C | 316.51 µS/cm | 0.53 mg/L | 4.25 NTU | 135.1 mV | 29.60 ft | 160.00 ml/min |
| 9/13/2023 10:38 AM | 20:00 | 6.07 pH | 20.59 °C | 313.79 µS/cm | 0.43 mg/L | 3.49 NTU | 178.7 mV | 29.61 ft | 160.00 ml/min |
| 9/13/2023 10:43 AM | 25:00 | 6.07 pH | 20.83 °C | 318.49 µS/cm | 0.44 mg/L | 2.85 NTU | 136.6 mV | 29.59 ft | 160.00 ml/min |
| 9/13/2023 10:48 AM | 30:00 | 6.06 pH | 21.10 °C | 316.21 µS/cm | 0.39 mg/L | 1.71 NTU | 182.0 mV | 29.61 ft | 160.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
| MCD-DGWC-2 | |

Low-Flow Test Report:

Test Date / Time: 9/13/2023 2:22:15 PM

Project: SCS Plant McDonough (13)

Operator Name: Daniel Howard

| | | |
|---|--|--|
| Location Name: MCD-DGWC-4 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 36.71 ft Total Depth: 46.71 ft Initial Depth to Water: 25.44 ft | Pump Type: dedicated bladder Tubing Type: HDPE Pump Intake From TOC: 41.7 ft Estimated Total Volume Pumped: 4500 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.2 ft | Instrument Used: Aqua TROLL 400 Serial Number: 850751 |
|---|--|--|

Test Notes:

MCD-DGWC-4 sample time 1454.

Weather Conditions:

Partly sunny, temp 80 F

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|----------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 10 % | +/- 5 | +/- 10 | +/- 0.3 | |
| 9/13/2023 2:22 PM | 00:00 | 5.73 pH | 27.33 °C | 1,501.7 µS/cm | 1.56 mg/L | 0.97 NTU | 172.4 mV | 25.44 ft | 150.00 ml/min |
| 9/13/2023 2:27 PM | 05:00 | 5.68 pH | 21.50 °C | 1,698.9 µS/cm | 1.12 mg/L | 1.44 NTU | 158.3 mV | 25.64 ft | 150.00 ml/min |
| 9/13/2023 2:32 PM | 10:00 | 5.65 pH | 21.24 °C | 1,739.6 µS/cm | 0.84 mg/L | 1.73 NTU | 185.5 mV | 25.64 ft | 150.00 ml/min |
| 9/13/2023 2:37 PM | 15:00 | 5.65 pH | 21.02 °C | 1,741.9 µS/cm | 0.69 mg/L | 1.76 NTU | 182.8 mV | 25.64 ft | 150.00 ml/min |
| 9/13/2023 2:42 PM | 20:00 | 5.64 pH | 21.02 °C | 1,747.8 µS/cm | 0.62 mg/L | 1.60 NTU | 178.7 mV | 25.64 ft | 150.00 ml/min |
| 9/13/2023 2:47 PM | 25:00 | 5.64 pH | 20.85 °C | 1,751.6 µS/cm | 0.53 mg/L | 1.26 NTU | 136.6 mV | 25.64 ft | 150.00 ml/min |
| 9/13/2023 2:52 PM | 30:00 | 5.64 pH | 20.79 °C | 1,748.6 µS/cm | 0.49 mg/L | 0.95 NTU | 154.6 mV | 25.64 ft | 150.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
| MCD-DGWC-4 | |

Low-Flow Test Report:

Test Date / Time: 9/13/2023 10:11:08 AM

Project: SCS Plant McDonough (11)

Operator Name: Daniel Howard

| | | |
|---|--|--|
| Location Name: MCD-DGWC-5 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 23.25 ft Total Depth: 33.25 ft Initial Depth to Water: 13.97 ft | Pump Type: Dedicated bladder Tubing Type: HDPE Pump Intake From TOC: 24.62 ft Estimated Total Volume Pumped: 3750 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.17 ft | Instrument Used: Aqua TROLL 400 Serial Number: 850751 |
|---|--|--|

Test Notes:

MCD-DGWC-5 sample time 1038.

Weather Conditions:

Overcast, temp 73 F

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|-----------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 10 % | +/- 5 | +/- 10 | +/- 0.3 | |
| 9/13/2023 10:11 AM | 00:00 | 4.82 pH | 22.52 °C | 1,126.6 µS/cm | 0.82 mg/L | 0.97 NTU | 542.9 mV | 13.97 ft | 150.00 ml/min |
| 9/13/2023 10:16 AM | 05:00 | 4.76 pH | 20.30 °C | 1,185.6 µS/cm | 0.49 mg/L | 0.53 NTU | 546.1 mV | 14.14 ft | 150.00 ml/min |
| 9/13/2023 10:21 AM | 10:00 | 4.76 pH | 20.07 °C | 1,181.4 µS/cm | 0.41 mg/L | 0.45 NTU | 588.3 mV | 14.14 ft | 150.00 ml/min |
| 9/13/2023 10:26 AM | 15:00 | 4.76 pH | 20.00 °C | 1,180.7 µS/cm | 0.40 mg/L | 0.48 NTU | 590.4 mV | 14.14 ft | 150.00 ml/min |
| 9/13/2023 10:31 AM | 20:00 | 4.75 pH | 20.09 °C | 1,179.5 µS/cm | 0.38 mg/L | 0.30 NTU | 591.3 mV | 14.14 ft | 150.00 ml/min |
| 9/13/2023 10:36 AM | 25:00 | 4.74 pH | 20.04 °C | 1,182.5 µS/cm | 0.38 mg/L | 0.40 NTU | 591.9 mV | 14.14 ft | 150.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
| MCD-DGWC-5 | |

Low-Flow Test Report:

Test Date / Time: 9/12/2023 10:35:23 AM

Project: SCS Plant McDonough (9)

Operator Name: Daniel Howard

| | | |
|---|--|--|
| Location Name: MCD-DGWC-8 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 41.33 ft Total Depth: 51.33 ft Initial Depth to Water: 35.42 ft | Pump Type: Dedicated bladder Tubing Type: HDPE Pump Intake From TOC: 43.21 ft Estimated Total Volume Pumped: 3500 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 0.05 ft | Instrument Used: Aqua TROLL 400 Serial Number: 850751 |
|---|--|--|

Test Notes:

MCD-DGWC-8 sample time 1112.

Weather Conditions:

Partly sunny, temp 76 F

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|-----------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 10 % | +/- 5 | +/- 10 | +/- 0.3 | |
| 9/12/2023 10:35 AM | 00:00 | 5.21 pH | 26.58 °C | 353.15 µS/cm | 1.66 mg/L | 0.49 NTU | 179.7 mV | 35.42 ft | 100.00 ml/min |
| 9/12/2023 10:40 AM | 05:00 | 5.06 pH | 23.70 °C | 368.59 µS/cm | 1.73 mg/L | 0.39 NTU | 134.5 mV | 35.47 ft | 100.00 ml/min |
| 9/12/2023 10:45 AM | 10:00 | 5.05 pH | 23.20 °C | 370.96 µS/cm | 1.68 mg/L | 0.47 NTU | 149.0 mV | 35.47 ft | 100.00 ml/min |
| 9/12/2023 10:50 AM | 15:00 | 5.03 pH | 23.24 °C | 374.81 µS/cm | 1.48 mg/L | 0.42 NTU | 145.6 mV | 35.47 ft | 100.00 ml/min |
| 9/12/2023 10:55 AM | 20:00 | 5.03 pH | 23.26 °C | 373.14 µS/cm | 1.41 mg/L | 0.45 NTU | 115.4 mV | 35.47 ft | 100.00 ml/min |
| 9/12/2023 11:00 AM | 25:00 | 5.03 pH | 23.21 °C | 375.54 µS/cm | 1.34 mg/L | 0.48 NTU | 138.3 mV | 35.47 ft | 100.00 ml/min |
| 9/12/2023 11:05 AM | 30:00 | 5.02 pH | 23.50 °C | 376.19 µS/cm | 1.32 mg/L | 0.38 NTU | 113.3 mV | 35.47 ft | 100.00 ml/min |
| 9/12/2023 11:10 AM | 35:00 | 5.02 pH | 23.62 °C | 376.35 µS/cm | 1.29 mg/L | 0.33 NTU | 136.8 mV | 35.47 ft | 100.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
| MCD-DGWC-8 | |

Low-Flow Test Report:

Test Date / Time: 9/11/2023 12:50:08 PM

Project: SCS Plant McDonough (6)

Operator Name: Daniel Howard

| | | |
|---|--|--|
| Location Name: MCD-DGWC-10 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 37.8 ft Total Depth: 47.8 ft Initial Depth to Water: 29.3 ft | Pump Type: dedicated bladder Tubing Type: HDPE Pump Intake From TOC: 39.62 ft Estimated Total Volume Pumped: 3750 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.25 ft | Instrument Used: Aqua TROLL 400 Serial Number: 850751 |
|---|--|--|

Test Notes:

MCD-DGWC-10 sample time 1315.

Weather Conditions:

Partly sunny, temp 85 F

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|-----------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 10 % | +/- 5 | +/- 10 | +/- 0.3 | |
| 9/11/2023 12:50 PM | 00:00 | 4.61 pH | 22.36 °C | 598.30 µS/cm | 6.38 mg/L | 0.83 NTU | 141.0 mV | 29.30 ft | 150.00 ml/min |
| 9/11/2023 12:55 PM | 05:00 | 4.58 pH | 20.80 °C | 607.92 µS/cm | 6.38 mg/L | 0.58 NTU | 176.5 mV | 29.55 ft | 150.00 ml/min |
| 9/11/2023 1:00 PM | 10:00 | 4.57 pH | 20.41 °C | 607.94 µS/cm | 6.34 mg/L | 0.95 NTU | 173.6 mV | 29.55 ft | 150.00 ml/min |
| 9/11/2023 1:05 PM | 15:00 | 4.57 pH | 20.43 °C | 610.61 µS/cm | 6.28 mg/L | 0.41 NTU | 202.4 mV | 29.55 ft | 150.00 ml/min |
| 9/11/2023 1:10 PM | 20:00 | 4.57 pH | 20.40 °C | 610.95 µS/cm | 6.21 mg/L | 0.52 NTU | 200.4 mV | 29.55 ft | 150.00 ml/min |
| 9/11/2023 1:15 PM | 25:00 | 4.56 pH | 20.45 °C | 610.49 µS/cm | 6.14 mg/L | 0.52 NTU | 198.6 mV | 29.55 ft | 150.00 ml/min |

Samples

| Sample ID: | Description: |
|-------------|--------------|
| MCD-DGWC-10 | |

Low-Flow Test Report:

Test Date / Time: 9/8/2023 9:00:05 AM

Project: McDonoughSAGW02 2023 (6)

Operator Name: Mark Mann

| | | |
|--|---|--|
| Location Name: MCD-DGWC-11 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 41.72 ft Total Depth: 51.72 ft Initial Depth to Water: 13.35 ft | Pump Type: Dedicated Bladder Tubing Type: LDPE Pump Intake From TOC: 47 ft Estimated Total Volume Pumped: 3750 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.67 ft | Instrument Used: Aqua TROLL 400 Serial Number: 965586 |
|--|---|--|

Test Notes:

Fe2+: 0.0

Weather Conditions:

Sunny

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 10 % | +/- 5 | +/- 10 | +/- 0.3 | |
| 9/8/2023 9:00 AM | 00:00 | 6.71 pH | 20.96 °C | 684.50 µS/cm | 5.78 mg/L | 3.81 NTU | 155.5 mV | 13.35 ft | 150.00 ml/min |
| 9/8/2023 9:05 AM | 05:00 | 5.47 pH | 19.77 °C | 672.76 µS/cm | 1.91 mg/L | 1.04 NTU | 154.4 mV | 13.84 ft | 150.00 ml/min |
| 9/8/2023 9:10 AM | 10:00 | 5.45 pH | 19.67 °C | 697.13 µS/cm | 1.60 mg/L | 1.11 NTU | 133.3 mV | 13.87 ft | 150.00 ml/min |
| 9/8/2023 9:15 AM | 15:00 | 5.44 pH | 19.49 °C | 672.98 µS/cm | 1.20 mg/L | 0.59 NTU | 121.7 mV | 13.90 ft | 150.00 ml/min |
| 9/8/2023 9:20 AM | 20:00 | 5.44 pH | 19.42 °C | 674.83 µS/cm | 1.10 mg/L | 0.37 NTU | 114.2 mV | 13.97 ft | 150.00 ml/min |
| 9/8/2023 9:25 AM | 25:00 | 5.44 pH | 19.43 °C | 674.72 µS/cm | 1.04 mg/L | 0.43 NTU | 109.6 mV | 14.02 ft | 150.00 ml/min |

Samples

| Sample ID: | Description: |
|----------------|--------------|
| MCD-DGWC-11 | |
| MCD-AP234-EB-2 | |

Low-Flow Test Report:

Test Date / Time: 9/11/2023 9:25:18 AM

Project: McDonoughSAGW02 2023 (9)

Operator Name: Mark Mann

| | | |
|---|--|--|
| Location Name: MCD-DGWC-12 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 18.24 ft Total Depth: 28.24 ft Initial Depth to Water: 8.46 ft | Pump Type: Dedicated Bladder Tubing Type: LDPE Pump Intake From TOC: 23 ft Estimated Total Volume Pumped: 7500 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 0.2 ft | Instrument Used: Aqua TROLL 400 Serial Number: 965586 |
|---|--|--|

Test Notes:

Fe2+: >7.0

Weather Conditions:

Overcast

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|--------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 10 % | +/- 5 | +/- 10 | +/- 0.3 | |
| 9/11/2023 9:25 AM | 00:00 | 6.33 pH | 23.12 °C | 376.08 µS/cm | 5.82 mg/L | 13.20 NTU | 129.3 mV | 8.46 ft | 350.00 ml/min |
| 9/11/2023 9:30 AM | 05:00 | 6.13 pH | 19.82 °C | 471.33 µS/cm | 0.74 mg/L | 85.60 NTU | 42.6 mV | 8.79 ft | 200.00 ml/min |
| 9/11/2023 9:35 AM | 10:00 | 6.11 pH | 19.68 °C | 460.76 µS/cm | 0.32 mg/L | 61.20 NTU | 33.5 mV | 8.83 ft | 200.00 ml/min |
| 9/11/2023 9:40 AM | 15:00 | 6.08 pH | 19.64 °C | 454.38 µS/cm | 0.24 mg/L | 40.20 NTU | 30.2 mV | 8.83 ft | 200.00 ml/min |
| 9/11/2023 9:45 AM | 20:00 | 6.08 pH | 19.68 °C | 453.91 µS/cm | 0.22 mg/L | 49.50 NTU | 28.3 mV | 8.80 ft | 110.00 ml/min |
| 9/11/2023 9:50 AM | 25:00 | 6.07 pH | 19.94 °C | 457.04 µS/cm | 0.24 mg/L | 14.40 NTU | 26.6 mV | 8.68 ft | 110.00 ml/min |
| 9/11/2023 9:55 AM | 30:00 | 6.08 pH | 20.39 °C | 455.55 µS/cm | 0.27 mg/L | 10.70 NTU | 25.4 mV | 8.70 ft | 110.00 ml/min |
| 9/11/2023 10:00 AM | 35:00 | 6.09 pH | 20.52 °C | 459.02 µS/cm | 0.31 mg/L | 8.88 NTU | 24.0 mV | 8.66 ft | 110.00 ml/min |
| 9/11/2023 10:05 AM | 40:00 | 6.11 pH | 20.68 °C | 460.39 µS/cm | 0.32 mg/L | 6.14 NTU | 23.1 mV | 8.63 ft | 110.00 ml/min |
| 9/11/2023 10:10 AM | 45:00 | 6.10 pH | 20.79 °C | 461.89 µS/cm | 0.43 mg/L | 4.20 NTU | 23.6 mV | 8.66 ft | 110.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
|------------|--------------|

MCD-DGWC-12

+ Extra Rads

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 9/8/2023 11:39:58 AM

Project: McDonoughSAGW02 2023 (8)

Operator Name: Mark Mann

| | | |
|--|---|--|
| Location Name: MCD-DGWC-13 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 36.66 ft Total Depth: 46.66 ft Initial Depth to Water: 34.24 ft | Pump Type: Dedicated Bladder Tubing Type: LDPE Pump Intake From TOC: 41 ft Estimated Total Volume Pumped: 4000 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0.24 ft | Instrument Used: Aqua TROLL 400 Serial Number: 965586 |
|--|---|--|

Test Notes:

Fe2+: 0.0

Weather Conditions:

Sunny

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|----------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 10 % | +/- 5 | +/- 10 | +/- 0.3 | |
| 9/8/2023 11:39 AM | 00:00 | 5.76 pH | 27.01 °C | 337.19 µS/cm | 5.30 mg/L | 3.00 NTU | 128.6 mV | 34.24 ft | 200.00 ml/min |
| 9/8/2023 11:44 AM | 05:00 | 5.61 pH | 22.75 °C | 352.99 µS/cm | 4.20 mg/L | 0.71 NTU | 108.0 mV | 34.50 ft | 200.00 ml/min |
| 9/8/2023 11:49 AM | 10:00 | 5.60 pH | 22.64 °C | 353.56 µS/cm | 3.98 mg/L | 0.64 NTU | 102.5 mV | 34.47 ft | 200.00 ml/min |
| 9/8/2023 11:54 AM | 15:00 | 5.59 pH | 22.80 °C | 352.26 µS/cm | 3.93 mg/L | 0.49 NTU | 130.2 mV | 34.49 ft | 200.00 ml/min |
| 9/8/2023 11:59 AM | 20:00 | 5.59 pH | 22.84 °C | 351.81 µS/cm | 3.92 mg/L | 0.68 NTU | 134.7 mV | 34.48 ft | 200.00 ml/min |

Samples

| Sample ID: | Description: |
|-------------|--------------|
| MCD-DGWC-13 | |

Low-Flow Test Report:

Test Date / Time: 9/8/2023 8:36:57 AM

Project: SCS MCD (8)

Operator Name: Dana Bloomfield

| | | |
|--|--|--|
| Location Name: MCD-DGWC-14 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 27.95 ft Total Depth: 37.95 ft Initial Depth to Water: 19.91 ft | Pump Type: QED Dedicated Tubing Type: LDPE Estimated Total Volume Pumped: 3625 ml Flow Cell Volume: 90 ml Final Flow Rate: 175 ml/min Final Draw Down: 0 ft | Instrument Used: Aqua TROLL 400 Serial Number: 883553 |
|--|--|--|

Test Notes:

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 0.2 | +/- 10 | +/- 10 | +/- 0.3 | |
| 9/8/2023 8:36 AM | 00:00 | 5.98 pH | 19.28 °C | 160.30 µS/cm | 5.53 mg/L | 0.44 NTU | 104.0 mV | 19.91 ft | 200.00 ml/min |
| 9/8/2023 8:41 AM | 05:00 | 5.71 pH | 19.24 °C | 156.90 µS/cm | 5.37 mg/L | 1.30 NTU | 100.2 mV | 19.91 ft | 175.00 ml/min |
| 9/8/2023 8:46 AM | 10:00 | 5.68 pH | 19.37 °C | 155.22 µS/cm | 5.29 mg/L | 1.11 NTU | 98.6 mV | 19.91 ft | 175.00 ml/min |
| 9/8/2023 8:51 AM | 15:00 | 5.67 pH | 19.42 °C | 155.18 µS/cm | 5.27 mg/L | 0.85 NTU | 96.0 mV | 19.91 ft | 175.00 ml/min |
| 9/8/2023 8:56 AM | 20:00 | 5.67 pH | 19.60 °C | 154.60 µS/cm | 5.23 mg/L | 0.96 NTU | 95.0 mV | 19.91 ft | 175.00 ml/min |

Samples

| Sample ID: | Description: |
|-------------|--------------|
| MCD-DGWC-14 | |

Low-Flow Test Report:

Test Date / Time: 9/8/2023 9:58:10 AM

Project: SCS MCD (9)

Operator Name: Dana Bloomfield

| | | |
|--|--|--|
| Location Name: MCD-DGWC-15 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 60.83 ft Total Depth: 70.83 ft Initial Depth to Water: 40.85 ft | Pump Type: QED Dedicated Tubing Type: LDPE Estimated Total Volume Pumped: 3000 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 1.1 ft | Instrument Used: Aqua TROLL 400 Serial Number: 883553 |
|--|--|--|

Test Notes:

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|-------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|---------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 0.2 | +/- 10 | +/- 10 | +/- 0.3 | |
| 9/8/2023 9:58 AM | 00:00 | 5.95 pH | 24.07 °C | 397.63 µS/cm | 2.66 mg/L | 0.29 NTU | 87.7 mV | 40.85 ft | 200.00 ml/min |
| 9/8/2023 10:03 AM | 05:00 | 5.83 pH | 21.50 °C | 401.60 µS/cm | 0.94 mg/L | 0.88 NTU | 75.3 mV | 42.37 ft | 100.00 ml/min |
| 9/8/2023 10:08 AM | 10:00 | 5.80 pH | 22.80 °C | 399.41 µS/cm | 0.85 mg/L | 5.53 NTU | 94.9 mV | 42.05 ft | 100.00 ml/min |
| 9/8/2023 10:13 AM | 15:00 | 5.79 pH | 22.80 °C | 403.01 µS/cm | 0.79 mg/L | 4.75 NTU | 71.9 mV | 41.95 ft | 100.00 ml/min |
| 9/8/2023 10:18 AM | 20:00 | 5.80 pH | 23.09 °C | 402.29 µS/cm | 0.75 mg/L | 2.45 NTU | 87.5 mV | 41.95 ft | 100.00 ml/min |
| 9/8/2023 10:23 AM | 25:00 | 5.81 pH | 23.54 °C | 403.29 µS/cm | 0.68 mg/L | 1.75 NTU | 70.2 mV | 41.95 ft | 100.00 ml/min |

Samples

| Sample ID: | Description: |
|----------------|--------------|
| MCD-DGWC-15 | |
| MCD-AP234-FD-2 | |

Low-Flow Test Report:

Test Date / Time: 9/13/2023 11:55:42 AM

Project: SCS Plant McDonough

Operator Name: Mark Mann

| | | |
|--|--|--|
| Location Name: MCD-DGWC-17 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 37.95 ft Total Depth: 47.95 ft Initial Depth to Water: 37.94 ft | Pump Type: Dedicated Bladder Tubing Type: LDPE Pump Intake From TOC: 39.69 ft Estimated Total Volume Pumped: 3750 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.17 ft | Instrument Used: Aqua TROLL 400 Serial Number: 965586 |
|--|--|--|

Test Notes:

Fe2+: 0.0

Weather Conditions:

Sunny

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|-----------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 10 % | +/- 5 | +/- 10 | +/- 0.3 | |
| 9/13/2023 11:55 AM | 00:00 | 6.97 pH | 29.85 °C | 613.03 µS/cm | 6.71 mg/L | 1.71 NTU | 120.2 mV | 37.94 ft | 150.00 ml/min |
| 9/13/2023 12:00 PM | 05:00 | 5.15 pH | 21.71 °C | 656.27 µS/cm | 3.06 mg/L | 3.20 NTU | 158.5 mV | 38.12 ft | 150.00 ml/min |
| 9/13/2023 12:05 PM | 10:00 | 5.11 pH | 20.86 °C | 674.54 µS/cm | 2.62 mg/L | 1.64 NTU | 146.9 mV | 38.14 ft | 150.00 ml/min |
| 9/13/2023 12:10 PM | 15:00 | 5.06 pH | 20.70 °C | 684.20 µS/cm | 1.70 mg/L | 2.19 NTU | 182.8 mV | 38.14 ft | 150.00 ml/min |
| 9/13/2023 12:15 PM | 20:00 | 5.05 pH | 21.29 °C | 685.48 µS/cm | 1.59 mg/L | 1.38 NTU | 182.5 mV | 38.12 ft | 150.00 ml/min |
| 9/13/2023 12:20 PM | 25:00 | 5.04 pH | 21.55 °C | 681.96 µS/cm | 1.55 mg/L | 1.44 NTU | 181.4 mV | 38.11 ft | 150.00 ml/min |

Samples

| Sample ID: | Description: |
|-------------|--------------|
| MCD-DGWC-17 | |

Low-Flow Test Report:

Test Date / Time: 9/8/2023 11:19:01 AM

Project: MCD SAGW 2 (9)

Operator Name: P Wahl

| | | |
|---|---|--|
| Location Name: MCD-DGWC-19 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 33.23 ft Total Depth: 43.23 ft Initial Depth to Water: 25.7 ft | Pump Type: Dedicated Bladder Tubing Type: LDPE Pump Intake From TOC: 38 ft Estimated Total Volume Pumped: 4055 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 1.23 ft | Instrument Used: Aqua TROLL 400 Serial Number: 980712 |
|---|---|--|

Test Notes:

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|----------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 0.2 | +/- 10 | +/- 10 | +/- 0.3 | |
| 9/8/2023 11:19 AM | 00:00 | 4.74 pH | 31.76 °C | 790.43 µS/cm | 6.62 mg/L | 1.77 NTU | 120.1 mV | 26.90 ft | 200.00 ml/min |
| 9/8/2023 11:24 AM | 05:00 | 4.65 pH | 22.22 °C | 803.02 µS/cm | 1.60 mg/L | 5.79 NTU | 120.5 mV | 26.90 ft | 150.00 ml/min |
| 9/8/2023 11:29 AM | 10:00 | 4.73 pH | 21.83 °C | 818.40 µS/cm | 1.45 mg/L | 0.84 NTU | 184.7 mV | 26.90 ft | 150.00 ml/min |
| 9/8/2023 11:34 AM | 15:22 | 4.76 pH | 22.08 °C | 832.81 µS/cm | 0.96 mg/L | 1.59 NTU | 147.5 mV | 26.91 ft | 150.00 ml/min |
| 9/8/2023 11:39 AM | 20:22 | 4.77 pH | 22.08 °C | 830.41 µS/cm | 0.93 mg/L | 0.51 NTU | 154.9 mV | 26.92 ft | 150.00 ml/min |
| 9/8/2023 11:44 AM | 25:22 | 4.78 pH | 22.11 °C | 835.81 µS/cm | 0.77 mg/L | 0.78 NTU | 262.6 mV | 26.93 ft | 150.00 ml/min |

Samples

| Sample ID: | Description: |
|----------------|--------------|
| MCD-DGWC-19 | |
| MCD-AP234-FB-2 | |

Low-Flow Test Report:

Test Date / Time: 9/11/2023 8:57:40 AM

Project: MCD SAGW 2 (10)

Operator Name: P Wahl

| | | |
|--|---|--|
| Location Name: MCD-DGWC-20 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 33.3 ft Total Depth: 43.3 ft Initial Depth to Water: 24.61 ft | Pump Type: Peristaltic Tubing Type: LDPE Pump Intake From TOC: 36 ft Estimated Total Volume Pumped: 3125 ml Flow Cell Volume: 90 ml Final Flow Rate: 125 ml/min Final Draw Down: 0.67 ft | Instrument Used: Aqua TROLL 400 Serial Number: 980712 |
|--|---|--|

Test Notes:

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|-------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 0.2 | +/- 10 | +/- 10 | +/- 0.3 | |
| 9/11/2023 8:57 AM | 00:00 | 4.62 pH | 22.73 °C | 927.56 µS/cm | 7.26 mg/L | 4.68 NTU | 140.5 mV | 24.94 ft | 125.00 ml/min |
| 9/11/2023 9:02 AM | 05:00 | 3.97 pH | 20.94 °C | 992.92 µS/cm | 5.17 mg/L | 3.52 NTU | 164.6 mV | 25.13 ft | 125.00 ml/min |
| 9/11/2023 9:07 AM | 10:00 | 4.05 pH | 20.69 °C | 1,106.6 µS/cm | 1.64 mg/L | 1.55 NTU | 162.2 mV | 25.24 ft | 125.00 ml/min |
| 9/11/2023 9:12 AM | 15:00 | 4.05 pH | 20.82 °C | 1,121.1 µS/cm | 0.85 mg/L | 1.33 NTU | 185.9 mV | 25.26 ft | 125.00 ml/min |
| 9/11/2023 9:17 AM | 20:00 | 4.06 pH | 20.80 °C | 1,130.3 µS/cm | 0.78 mg/L | 0.74 NTU | 191.3 mV | 25.27 ft | 125.00 ml/min |
| 9/11/2023 9:22 AM | 25:00 | 4.06 pH | 20.86 °C | 1,128.6 µS/cm | 0.75 mg/L | 0.88 NTU | 200.6 mV | 25.28 ft | 125.00 ml/min |

Samples

| Sample ID: | Description: |
|----------------|--------------|
| MCD-DGWC-20 | |
| MCD-AP234-FB-3 | |

Low-Flow Test Report:

Test Date / Time: 9/11/2023 11:06:34 AM

Project: MCD SAGW 2 (11)

Operator Name: P Wahl

| | | |
|--|---|--|
| Location Name: MCD-DGWC-21 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 62.6 ft Total Depth: 72.6 ft Initial Depth to Water: 19.08 ft | Pump Type: Peristaltic Tubing Type: LDPE Pump Intake From TOC: 66 ft Estimated Total Volume Pumped: 3000 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.28 ft | Instrument Used: Aqua TROLL 400 Serial Number: 980712 |
|--|---|--|

Test Notes:

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|-----------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 0.2 | +/- 10 | +/- 10 | +/- 0.3 | |
| 9/11/2023 11:06 AM | 00:00 | 6.22 pH | 30.47 °C | 505.29 µS/cm | 6.23 mg/L | 1.77 NTU | 141.7 mV | 19.27 ft | 150.00 ml/min |
| 9/11/2023 11:11 AM | 05:00 | 5.61 pH | 22.83 °C | 645.28 µS/cm | 0.46 mg/L | 1.83 NTU | 111.2 mV | 19.31 ft | 150.00 ml/min |
| 9/11/2023 11:16 AM | 10:00 | 5.61 pH | 22.30 °C | 649.14 µS/cm | 0.31 mg/L | 1.78 NTU | 116.1 mV | 19.32 ft | 150.00 ml/min |
| 9/11/2023 11:21 AM | 15:00 | 5.61 pH | 22.34 °C | 654.98 µS/cm | 0.24 mg/L | 1.09 NTU | 100.3 mV | 19.33 ft | 150.00 ml/min |
| 9/11/2023 11:26 AM | 20:00 | 5.61 pH | 22.30 °C | 651.27 µS/cm | 0.20 mg/L | 1.13 NTU | 99.0 mV | 19.36 ft | 150.00 ml/min |

Samples

| Sample ID: | Description: |
|----------------|--------------|
| MCD-DGWC-21 | |
| MCD-AP234-FD-3 | |

Low-Flow Test Report:

Test Date / Time: 9/11/2023 12:59:16 PM

Project: MCD SAGW 2 (12)

Operator Name: P Wahl

| | | |
|--|---|--|
| Location Name: MCD-DGWC-22 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 53.45 ft Total Depth: 63.45 ft Initial Depth to Water: 22.59 ft | Pump Type: Peristaltic Tubing Type: LDPE Pump Intake From TOC: 58 ft Estimated Total Volume Pumped: 3000 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.17 ft | Instrument Used: Aqua TROLL 400 Serial Number: 980712 |
|--|---|--|

Test Notes:

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|--------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|---------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 0.2 | +/- 10 | +/- 10 | +/- 0.3 | |
| 9/11/2023 12:59 PM | 00:00 | 6.98 pH | 32.53 °C | 425.49 µS/cm | 4.92 mg/L | 4.00 NTU | 30.1 mV | 22.73 ft | 150.00 ml/min |
| 9/11/2023 1:04 PM | 05:00 | 5.56 pH | 23.47 °C | 615.00 µS/cm | 1.04 mg/L | 10.90 NTU | 46.5 mV | 22.75 ft | 150.00 ml/min |
| 9/11/2023 1:09 PM | 10:00 | 5.56 pH | 22.84 °C | 618.02 µS/cm | 0.90 mg/L | 4.29 NTU | 49.2 mV | 22.76 ft | 150.00 ml/min |
| 9/11/2023 1:14 PM | 15:00 | 5.58 pH | 22.80 °C | 608.27 µS/cm | 0.96 mg/L | 1.85 NTU | 49.7 mV | 22.76 ft | 150.00 ml/min |
| 9/11/2023 1:19 PM | 20:00 | 5.57 pH | 22.78 °C | 615.60 µS/cm | 0.77 mg/L | 1.60 NTU | 52.0 mV | 22.76 ft | 150.00 ml/min |

Samples

| Sample ID: | Description: |
|-------------|--------------|
| MCD-DGWC-22 | |

Low-Flow Test Report:

Test Date / Time: 9/11/2023 2:19:25 PM

Project: MCD SAGW 2 (13)

Operator Name: P Wahl

| | | |
|--|---|--|
| Location Name: MCD-DGWC-23 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 53.26 ft Total Depth: 63.26 ft Initial Depth to Water: 21.15 ft | Pump Type: Dedicated bladder Tubing Type: LDPE Pump Intake From TOC: 58 ft Estimated Total Volume Pumped: 4000 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 2.21 ft | Instrument Used: Aqua TROLL 400 Serial Number: 980712 |
|--|---|--|

Test Notes:

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|-------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|---------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 0.2 | +/- 10 | +/- 10 | +/- 0.3 | |
| 9/11/2023 2:19 PM | 00:00 | 7.19 pH | 35.62 °C | 623.41 µS/cm | 6.60 mg/L | 15.10 NTU | 74.1 mV | 21.56 ft | 200.00 ml/min |
| 9/11/2023 2:24 PM | 05:00 | 6.04 pH | 19.97 °C | 754.51 µS/cm | 0.91 mg/L | 5.77 NTU | 79.6 mV | 22.53 ft | 200.00 ml/min |
| 9/11/2023 2:29 PM | 10:00 | 6.01 pH | 19.01 °C | 756.52 µS/cm | 0.72 mg/L | 2.80 NTU | 76.1 mV | 23.25 ft | 200.00 ml/min |
| 9/11/2023 2:34 PM | 15:00 | 6.00 pH | 19.77 °C | 752.78 µS/cm | 0.57 mg/L | 2.53 NTU | 77.9 mV | 23.26 ft | 200.00 ml/min |
| 9/11/2023 2:39 PM | 20:00 | 5.99 pH | 19.58 °C | 751.57 µS/cm | 0.42 mg/L | 1.98 NTU | 75.5 mV | 23.36 ft | 200.00 ml/min |

Samples

| Sample ID: | Description: |
|-------------|--------------|
| MCD-DGWC-23 | |

Low-Flow Test Report:

Test Date / Time: 9/13/2023 2:15:46 PM

Project: SCS Plant McDonough

Operator Name: P Wahl

| | | |
|--|---|--|
| Location Name: MCD-DGWC-42 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 42.7 ft Total Depth: 52.7 ft Initial Depth to Water: 30.32 ft | Pump Type: Dedicated Bladder Tubing Type: LDPE Pump Intake From TOC: 47.7 ft Estimated Total Volume Pumped: 6310 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 1.06 ft | Instrument Used: Aqua TROLL 400 Serial Number: 980712 |
|--|---|--|

Test Notes:

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|----------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|---------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 0.2 | +/- 10 | +/- 10 | +/- 0.3 | |
| 9/13/2023 2:15 PM | 00:00 | 5.91 pH | 32.87 °C | 711.77 µS/cm | 5.72 mg/L | 3.80 NTU | 57.1 mV | 30.72 ft | 200.00 ml/min |
| 9/13/2023 2:20 PM | 05:00 | 5.08 pH | 22.52 °C | 739.51 µS/cm | 1.91 mg/L | 4.83 NTU | 70.4 mV | 31.14 ft | 200.00 ml/min |
| 9/13/2023 2:25 PM | 10:00 | 5.05 pH | 22.08 °C | 743.32 µS/cm | 1.43 mg/L | 0.43 NTU | 77.0 mV | 31.15 ft | 200.00 ml/min |
| 9/13/2023 2:30 PM | 15:00 | 5.04 pH | 21.99 °C | 740.38 µS/cm | 1.11 mg/L | 1.63 NTU | 77.8 mV | 31.20 ft | 200.00 ml/min |
| 9/13/2023 2:35 PM | 20:00 | 5.03 pH | 21.64 °C | 741.38 µS/cm | 0.77 mg/L | 1.23 NTU | 78.4 mV | 31.30 ft | 200.00 ml/min |
| 9/13/2023 2:40 PM | 25:00 | 5.04 pH | 21.54 °C | 742.20 µS/cm | 0.64 mg/L | 1.55 NTU | 78.5 mV | 31.36 ft | 200.00 ml/min |
| 9/13/2023 2:42 PM | 26:33 | 5.03 pH | 21.59 °C | 748.79 µS/cm | 0.58 mg/L | 2.19 NTU | 75.5 mV | 31.36 ft | 200.00 ml/min |
| 9/13/2023 2:47 PM | 31:33 | 5.04 pH | 21.50 °C | 740.43 µS/cm | 0.52 mg/L | 1.68 NTU | 75.3 mV | 31.38 ft | 200.00 ml/min |

Samples

| Sample ID: | Description: |
|-------------|--------------|
| MCD-DGWC-42 | |

Low-Flow Test Report:

Test Date / Time: 9/12/2023 10:58:16 AM

Project: MCD SAGW 2 (15)

Operator Name: P Wahl

| | | |
|--|---|--|
| Location Name: MCD-DGWC-47 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 21.93 ft Total Depth: 31.93 ft Initial Depth to Water: 16.43 ft | Pump Type: Peristaltic Tubing Type: LDPE Pump Intake From TOC: 26 ft Estimated Total Volume Pumped: 3200 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 1.25 ft | Instrument Used: Aqua TROLL 400 Serial Number: 980712 |
|--|---|--|

Test Notes:

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|--------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 0.2 | +/- 10 | +/- 10 | +/- 0.3 | |
| 9/12/2023 10:58 AM | 00:00 | 3.95 pH | 33.02 °C | 288.88 µS/cm | 3.24 mg/L | 6.78 NTU | 82.0 mV | 16.77 ft | 140.00 ml/min |
| 9/12/2023 11:03 AM | 05:00 | 3.89 pH | 25.59 °C | 302.70 µS/cm | 0.32 mg/L | 10.00 NTU | 91.2 mV | 17.31 ft | 100.00 ml/min |
| 9/12/2023 11:08 AM | 10:00 | 3.91 pH | 25.27 °C | 305.84 µS/cm | 0.26 mg/L | 6.62 NTU | 111.0 mV | 17.52 ft | 100.00 ml/min |
| 9/12/2023 11:13 AM | 15:00 | 3.94 pH | 25.47 °C | 302.96 µS/cm | 0.33 mg/L | 4.18 NTU | 106.6 mV | 17.61 ft | 100.00 ml/min |
| 9/12/2023 11:18 AM | 20:00 | 3.97 pH | 25.32 °C | 302.49 µS/cm | 0.37 mg/L | 2.32 NTU | 109.6 mV | 17.65 ft | 100.00 ml/min |
| 9/12/2023 11:23 AM | 25:00 | 3.98 pH | 24.86 °C | 302.59 µS/cm | 0.40 mg/L | 1.51 NTU | 128.7 mV | 17.68 ft | 100.00 ml/min |
| 9/12/2023 11:28 AM | 30:00 | 3.99 pH | 24.91 °C | 303.11 µS/cm | 0.41 mg/L | 1.77 NTU | 112.8 mV | 17.68 ft | 100.00 ml/min |

Samples

| Sample ID: | Description: |
|-------------|--------------|
| MCD-DGWC-47 | |

Low-Flow Test Report:

Test Date / Time: 9/13/2023 9:44:55 AM

Project: Plant McDonough

Operator Name: P Wahl

| | | |
|--|--|--|
| Location Name: MCD-DGWC-48 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 23.49 ft Total Depth: 33.49 ft Initial Depth to Water: 14.98 ft | Pump Type: Dedicated Bladder Tubing Type: LDPE Pump Intake From TOC: 28.49 ft Estimated Total Volume Pumped: 5250 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.71 ft | Instrument Used: Aqua TROLL 400 Serial Number: 980712 |
|--|--|--|

Test Notes:

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|--------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 0.2 | +/- 10 | +/- 10 | +/- 0.3 | |
| 9/13/2023 9:44 AM | 00:00 | 3.63 pH | 24.04 °C | 672.99 µS/cm | 5.31 mg/L | 1.02 NTU | 171.4 mV | 15.45 ft | 150.00 ml/min |
| 9/13/2023 9:49 AM | 05:00 | 4.00 pH | 20.65 °C | 625.50 µS/cm | 1.47 mg/L | 1.63 NTU | 144.7 mV | 15.58 ft | 150.00 ml/min |
| 9/13/2023 9:54 AM | 10:00 | 4.01 pH | 20.43 °C | 619.89 µS/cm | 1.13 mg/L | 4.32 NTU | 183.5 mV | 15.63 ft | 150.00 ml/min |
| 9/13/2023 9:59 AM | 15:00 | 3.98 pH | 20.43 °C | 615.80 µS/cm | 1.02 mg/L | 5.54 NTU | 176.4 mV | 15.67 ft | 150.00 ml/min |
| 9/13/2023 10:04 AM | 20:00 | 4.01 pH | 20.47 °C | 613.72 µS/cm | 0.86 mg/L | 2.32 NTU | 182.4 mV | 15.65 ft | 150.00 ml/min |
| 9/13/2023 10:09 AM | 25:00 | 4.03 pH | 20.52 °C | 612.00 µS/cm | 0.73 mg/L | 2.19 NTU | 182.7 mV | 15.67 ft | 150.00 ml/min |
| 9/13/2023 10:14 AM | 30:00 | 4.04 pH | 20.56 °C | 612.08 µS/cm | 0.64 mg/L | 1.81 NTU | 227.1 mV | 15.69 ft | 150.00 ml/min |
| 9/13/2023 10:19 AM | 35:00 | 4.06 pH | 20.70 °C | 611.14 µS/cm | 0.57 mg/L | 1.15 NTU | 229.5 mV | 15.69 ft | 150.00 ml/min |

Samples

| Sample ID: | Description: |
|-------------|--------------|
| MCD-DGWC-48 | |

Low-Flow Test Report:

Test Date / Time: 9/8/2023 10:03:20 AM

Project: McDonoughSAGW02 2023 (7)

Operator Name: Mark Mann

| | | |
|---|--|--|
| Location Name: MCD-B-56 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 37.9 ft Total Depth: 47.9 ft Initial Depth to Water: 30.39 ft | Pump Type: Peri Tubing Type: LDPE Pump Intake From TOC: 42 ft Estimated Total Volume Pumped: 5050 ml Flow Cell Volume: 90 ml Final Flow Rate: 135 ml/min Final Draw Down: 0.62 ft | Instrument Used: Aqua TROLL 400 Serial Number: 965586 |
|---|--|--|

Test Notes:

Fe2+: 0.25

Weather Conditions:

Sunny

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|----------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 10 % | +/- 5 | +/- 10 | +/- 0.3 | |
| 9/8/2023 10:03 AM | 00:00 | 5.13 pH | 27.85 °C | 510.92 µS/cm | 5.40 mg/L | 71.40 NTU | 137.6 mV | 30.39 ft | 200.00 ml/min |
| 9/8/2023 10:08 AM | 05:00 | 4.60 pH | 20.30 °C | 575.21 µS/cm | 0.84 mg/L | 28.90 NTU | 131.9 mV | 30.92 ft | 135.00 ml/min |
| 9/8/2023 10:13 AM | 10:00 | 4.60 pH | 19.64 °C | 585.78 µS/cm | 0.38 mg/L | 8.94 NTU | 157.9 mV | 30.94 ft | 135.00 ml/min |
| 9/8/2023 10:18 AM | 15:00 | 4.60 pH | 19.49 °C | 584.33 µS/cm | 0.41 mg/L | 9.63 NTU | 114.5 mV | 30.98 ft | 135.00 ml/min |
| 9/8/2023 10:23 AM | 20:00 | 4.60 pH | 19.37 °C | 585.83 µS/cm | 0.39 mg/L | 6.93 NTU | 144.0 mV | 31.00 ft | 135.00 ml/min |
| 9/8/2023 10:28 AM | 25:00 | 4.60 pH | 19.36 °C | 585.94 µS/cm | 0.37 mg/L | 5.64 NTU | 108.9 mV | 30.99 ft | 135.00 ml/min |
| 9/8/2023 10:33 AM | 30:00 | 4.60 pH | 19.23 °C | 589.74 µS/cm | 0.33 mg/L | 5.17 NTU | 137.7 mV | 31.02 ft | 135.00 ml/min |
| 9/8/2023 10:38 AM | 35:00 | 4.60 pH | 19.15 °C | 589.05 µS/cm | 0.31 mg/L | 4.67 NTU | 106.1 mV | 31.01 ft | 135.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
| MCD-B-56 | |

Low-Flow Test Report:

Test Date / Time: 9/7/2023 3:09:52 PM

Project: SCS MCD (7)

Operator Name: Dana Bloomfield

| | | |
|--|---|--|
| Location Name: MCD-B-62 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 29.62 ft Total Depth: 39.62 ft Initial Depth to Water: 13.2 ft | Pump Type: peristaltic Tubing Type: LDPE Estimated Total Volume Pumped: 8500 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 0.29 ft | Instrument Used: Aqua TROLL 400 Serial Number: 883553 |
|--|---|--|

Test Notes:

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|---------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 0.2 | +/- 10 | +/- 10 | +/- 0.3 | |
| 9/7/2023 3:09 PM | 00:00 | 6.55 pH | 26.10 °C | 424.39 µS/cm | 0.35 mg/L | 26.60 NTU | 29.2 mV | 13.49 ft | 100.00 ml/min |
| 9/7/2023 3:14 PM | 05:00 | 6.58 pH | 26.05 °C | 408.50 µS/cm | 0.21 mg/L | 14.00 NTU | 16.7 mV | 13.49 ft | 100.00 ml/min |
| 9/7/2023 3:19 PM | 10:00 | 6.56 pH | 25.51 °C | 382.95 µS/cm | 0.18 mg/L | 11.70 NTU | 15.4 mV | 13.49 ft | 100.00 ml/min |
| 9/7/2023 3:24 PM | 15:00 | 6.52 pH | 25.62 °C | 360.99 µS/cm | 0.15 mg/L | 10.20 NTU | 5.3 mV | 13.49 ft | 100.00 ml/min |
| 9/7/2023 3:29 PM | 20:00 | 6.50 pH | 25.42 °C | 342.22 µS/cm | 0.19 mg/L | 7.79 NTU | 14.1 mV | 13.49 ft | 100.00 ml/min |
| 9/7/2023 3:34 PM | 25:00 | 6.48 pH | 25.55 °C | 335.25 µS/cm | 0.18 mg/L | 6.83 NTU | 14.4 mV | 13.49 ft | 100.00 ml/min |
| 9/7/2023 3:39 PM | 30:00 | 6.47 pH | 25.64 °C | 325.89 µS/cm | 0.18 mg/L | 8.37 NTU | 15.9 mV | 13.49 ft | 100.00 ml/min |
| 9/7/2023 3:44 PM | 35:00 | 6.44 pH | 25.51 °C | 306.78 µS/cm | 0.19 mg/L | 9.71 NTU | 6.4 mV | 13.49 ft | 100.00 ml/min |
| 9/7/2023 3:49 PM | 40:00 | 6.43 pH | 25.21 °C | 307.22 µS/cm | 0.17 mg/L | 5.54 NTU | 15.2 mV | 13.49 ft | 100.00 ml/min |
| 9/7/2023 3:54 PM | 45:00 | 6.42 pH | 25.24 °C | 303.50 µS/cm | 0.17 mg/L | 6.30 NTU | 8.9 mV | 13.49 ft | 100.00 ml/min |
| 9/7/2023 3:59 PM | 50:00 | 6.40 pH | 25.28 °C | 302.27 µS/cm | 0.17 mg/L | 6.16 NTU | 19.0 mV | 13.49 ft | 100.00 ml/min |
| 9/7/2023 4:04 PM | 55:00 | 6.40 pH | 25.41 °C | 300.17 µS/cm | 0.19 mg/L | 7.09 NTU | 22.1 mV | 13.49 ft | 100.00 ml/min |
| 9/7/2023 4:09 PM | 01:00:00 | 6.35 pH | 25.19 °C | 284.95 µS/cm | 0.18 mg/L | 3.91 NTU | 18.5 mV | 13.49 ft | 100.00 ml/min |
| 9/7/2023 4:14 PM | 01:05:00 | 6.43 pH | 25.32 °C | 313.63 µS/cm | 0.18 mg/L | 3.95 NTU | 24.7 mV | 13.49 ft | 100.00 ml/min |
| 9/7/2023 4:19 PM | 01:10:00 | 6.37 pH | 25.34 °C | 295.01 µS/cm | 0.21 mg/L | 4.25 NTU | 21.7 mV | 13.49 ft | 100.00 ml/min |
| 9/7/2023 4:24 PM | 01:15:00 | 6.36 pH | 25.44 °C | 292.64 µS/cm | 0.21 mg/L | 4.26 NTU | 21.8 mV | 13.49 ft | 100.00 ml/min |

| | | | | | | | | | |
|------------------|----------|---------|----------|--------------|-----------|----------|---------|----------|---------------|
| 9/7/2023 4:29 PM | 01:20:00 | 6.37 pH | 25.19 °C | 278.87 µS/cm | 0.19 mg/L | 4.89 NTU | 23.1 mV | 13.49 ft | 100.00 ml/min |
| 9/7/2023 4:34 PM | 01:25:00 | 6.38 pH | 24.69 °C | 291.01 µS/cm | 0.21 mg/L | 4.93 NTU | 25.8 mV | 13.49 ft | 100.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
| MCD-B-62 | |

Low-Flow Test Report:

Test Date / Time: 9/7/2023 11:29:27 AM

Project: SCS Plant McDonough

Operator Name: Daniel Howard

| | | |
|---|--|--|
| Location Name: MCD-B-63 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 36.15 ft Total Depth: 46.15 ft Initial Depth to Water: 29.11 ft | Pump Type: Bladder Tubing Type: LDPE Pump Intake From TOC: 41.15 ft Estimated Total Volume Pumped: 5250 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.33 ft | Instrument Used: Aqua TROLL 400 Serial Number: 850751 |
|---|--|--|

Test Notes:

MCD-B-63 sample time 1206.

Weather Conditions:

Clear and Sunny, temp 83F

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|----------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 10 % | +/- 5 | +/- 10 | +/- 0.3 | |
| 9/7/2023 11:29 AM | 00:00 | 5.47 pH | 29.96 °C | 267.35 µS/cm | 1.26 mg/L | 12.70 NTU | 31.8 mV | 29.11 ft | 150.00 ml/min |
| 9/7/2023 11:34 AM | 05:00 | 5.36 pH | 23.40 °C | 290.38 µS/cm | 0.74 mg/L | 18.70 NTU | -8.6 mV | 29.41 ft | 150.00 ml/min |
| 9/7/2023 11:39 AM | 10:00 | 5.34 pH | 22.81 °C | 287.73 µS/cm | 0.39 mg/L | 7.32 NTU | -26.5 mV | 29.41 ft | 150.00 ml/min |
| 9/7/2023 11:44 AM | 15:00 | 5.32 pH | 22.84 °C | 287.19 µS/cm | 0.28 mg/L | 7.75 NTU | -28.2 mV | 29.41 ft | 150.00 ml/min |
| 9/7/2023 11:49 AM | 20:00 | 5.32 pH | 22.88 °C | 287.69 µS/cm | 0.22 mg/L | 6.78 NTU | -27.1 mV | 29.42 ft | 150.00 ml/min |
| 9/7/2023 11:54 AM | 25:00 | 5.31 pH | 22.87 °C | 285.94 µS/cm | 0.19 mg/L | 5.82 NTU | -25.9 mV | 29.43 ft | 150.00 ml/min |
| 9/7/2023 11:59 AM | 30:00 | 5.28 pH | 22.78 °C | 285.19 µS/cm | 0.16 mg/L | 4.93 NTU | -10.0 mV | 29.44 ft | 150.00 ml/min |
| 9/7/2023 12:04 PM | 35:00 | 5.27 pH | 22.71 °C | 283.28 µS/cm | 0.14 mg/L | 4.14 NTU | -20.4 mV | 29.44 ft | 150.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
|------------|--------------|

Low-Flow Test Report:

Test Date / Time: 9/11/2023 1:21:58 PM

Project: McDonoughSAGW02 2023 (11)

Operator Name: Mark Mann

| | | |
|---|--|--|
| Location Name: MCD-B-66 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 47.99 ft Total Depth: 57.99 ft Initial Depth to Water: 18.13 ft | Pump Type: Peristaltic Tubing Type: LDPE Pump Intake From TOC: 53 ft Estimated Total Volume Pumped: 4750 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 3 ft | Instrument Used: Aqua TROLL 400 Serial Number: 965586 |
|---|--|--|

Test Notes:

Fe2+: 1.25

Weather Conditions:

Sunny

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|-------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 10 % | +/- 5 | +/- 10 | +/- 0.3 | |
| 9/11/2023 1:21 PM | 00:00 | 6.01 pH | 31.67 °C | 668.70 µS/cm | 5.50 mg/L | 8.73 NTU | 114.2 mV | 18.13 ft | 250.00 ml/min |
| 9/11/2023 1:26 PM | 05:00 | 6.14 pH | 23.16 °C | 703.38 µS/cm | 0.41 mg/L | 6.76 NTU | 67.1 mV | 19.95 ft | 175.00 ml/min |
| 9/11/2023 1:31 PM | 10:00 | 6.19 pH | 23.40 °C | 725.53 µS/cm | 1.03 mg/L | 2.96 NTU | 73.7 mV | 20.46 ft | 125.00 ml/min |
| 9/11/2023 1:36 PM | 15:00 | 6.26 pH | 23.79 °C | 726.43 µS/cm | 1.74 mg/L | 3.18 NTU | 67.3 mV | 20.70 ft | 100.00 ml/min |
| 9/11/2023 1:41 PM | 20:00 | 6.21 pH | 24.24 °C | 722.65 µS/cm | 1.29 mg/L | 2.51 NTU | 69.8 mV | 20.83 ft | 100.00 ml/min |
| 9/11/2023 1:46 PM | 25:00 | 6.21 pH | 25.25 °C | 714.73 µS/cm | 1.04 mg/L | 2.96 NTU | 55.2 mV | 20.93 ft | 100.00 ml/min |
| 9/11/2023 1:51 PM | 30:00 | 6.22 pH | 25.62 °C | 719.02 µS/cm | 0.98 mg/L | 2.03 NTU | 54.9 mV | 21.06 ft | 100.00 ml/min |
| 9/11/2023 1:56 PM | 35:00 | 6.22 pH | 26.23 °C | 717.74 µS/cm | 0.86 mg/L | 1.69 NTU | 54.9 mV | 21.13 ft | 100.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
| MCD-B-66 | |

Low-Flow Test Report:

Test Date / Time: 9/12/2023 10:45:48 AM

Project: McDonoughSAGW02 2023 (13)

Operator Name: Mark Mann

| | | |
|---|--|--|
| Location Name: MCD-B-77 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 33.46 ft Total Depth: 43.46 ft Initial Depth to Water: 29.61 ft | Pump Type: Peri Tubing Type: LDPE Pump Intake From TOC: 33.6 ft Estimated Total Volume Pumped: 3200 ml Flow Cell Volume: 90 ml Final Flow Rate: 160 ml/min Final Draw Down: 1.23 ft | Instrument Used: Aqua TROLL 400 Serial Number: 965586 |
|---|--|--|

Test Notes:

Fe2+: 6.75

Weather Conditions:

Sunny

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|-----------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 10 % | +/- 5 | +/- 10 | +/- 0.3 | |
| 9/12/2023 10:45 AM | 00:00 | 6.22 pH | 31.04 °C | 357.15 µS/cm | 2.43 mg/L | 11.60 NTU | -33.9 mV | 29.61 ft | 160.00 ml/min |
| 9/12/2023 10:50 AM | 05:00 | 6.52 pH | 23.34 °C | 394.43 µS/cm | 0.40 mg/L | 3.58 NTU | -65.3 mV | 30.54 ft | 160.00 ml/min |
| 9/12/2023 10:55 AM | 10:00 | 6.54 pH | 23.51 °C | 396.69 µS/cm | 0.39 mg/L | 3.74 NTU | -77.3 mV | 30.70 ft | 160.00 ml/min |
| 9/12/2023 11:00 AM | 15:00 | 6.55 pH | 23.58 °C | 394.19 µS/cm | 0.32 mg/L | 2.23 NTU | -78.7 mV | 30.80 ft | 160.00 ml/min |
| 9/12/2023 11:05 AM | 20:00 | 6.55 pH | 23.63 °C | 390.45 µS/cm | 0.30 mg/L | 3.01 NTU | -77.9 mV | 30.84 ft | 160.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
| MCD-B-77 | |

Low-Flow Test Report:

Test Date / Time: 9/11/2023 11:37:48 AM

Project: McDonoughSAGW02 2023 (10)

Operator Name: Mark Mann

| | | |
|--|---|--|
| Location Name: MCD-B-82 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 37.65 ft Total Depth: 47.65 ft Initial Depth to Water: 11.8 ft | Pump Type: Peristaltic Tubing Type: LDPE Pump Intake From TOC: 23 ft Estimated Total Volume Pumped: 3950 ml Flow Cell Volume: 90 ml Final Flow Rate: 180 ml/min Final Draw Down: 1.57 ft | Instrument Used: Aqua TROLL 400 Serial Number: 965586 |
|--|---|--|

Test Notes:

Fe2+: 0.0

Weather Conditions:

Sunny

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|-----------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|---------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 10 % | +/- 5 | +/- 10 | +/- 0.3 | |
| 9/11/2023 11:37 AM | 00:00 | 5.96 pH | 33.77 °C | 818.34 µS/cm | 3.55 mg/L | 9.64 NTU | 54.4 mV | 11.80 ft | 250.00 ml/min |
| 9/11/2023 11:42 AM | 05:00 | 5.62 pH | 23.65 °C | 850.62 µS/cm | 1.10 mg/L | 3.34 NTU | 58.7 mV | 13.14 ft | 180.00 ml/min |
| 9/11/2023 11:47 AM | 10:00 | 5.63 pH | 24.05 °C | 869.14 µS/cm | 1.08 mg/L | 3.37 NTU | 64.6 mV | 13.23 ft | 180.00 ml/min |
| 9/11/2023 11:52 AM | 15:00 | 5.61 pH | 24.01 °C | 862.83 µS/cm | 1.04 mg/L | 2.39 NTU | 70.4 mV | 13.31 ft | 180.00 ml/min |
| 9/11/2023 11:57 AM | 20:00 | 5.60 pH | 23.79 °C | 863.60 µS/cm | 1.06 mg/L | 1.57 NTU | 76.2 mV | 13.37 ft | 180.00 ml/min |

Samples

| Sample ID: | Description: |
|----------------|--------------|
| MCD-B-82 | |
| MCD-AP234-FD-4 | |

Low-Flow Test Report:

Test Date / Time: 9/12/2023 12:28:08 PM

Project: McDonoughSAGW02 2023 (14)

Operator Name: Mark Mann

| | | |
|---|--|--|
| Location Name: MCD-B-83 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 38.9 ft Total Depth: 48.9 ft Initial Depth to Water: 29.67 ft | Pump Type: Bladder Tubing Type: LDPE Pump Intake From TOC: 43 ft Estimated Total Volume Pumped: 5250 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.1 ft | Instrument Used: Aqua TROLL 400 Serial Number: 965586 |
|---|--|--|

Test Notes:

Fe2+: 0.0

Weather Conditions:

Sunny

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|--------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 10 % | +/- 5 | +/- 10 | +/- 0.3 | |
| 9/12/2023 12:28 PM | 00:00 | 6.00 pH | 37.57 °C | 257.18 µS/cm | 3.57 mg/L | 24.30 NTU | 53.4 mV | 29.67 ft | 150.00 ml/min |
| 9/12/2023 12:33 PM | 05:00 | 5.70 pH | 25.14 °C | 345.25 µS/cm | 1.09 mg/L | 5.01 NTU | 80.7 mV | 29.70 ft | 150.00 ml/min |
| 9/12/2023 12:38 PM | 10:00 | 5.69 pH | 23.74 °C | 348.80 µS/cm | 0.71 mg/L | 3.52 NTU | 134.6 mV | 29.72 ft | 150.00 ml/min |
| 9/12/2023 12:43 PM | 15:00 | 5.69 pH | 23.20 °C | 341.48 µS/cm | 0.37 mg/L | 6.58 NTU | 168.0 mV | 29.73 ft | 150.00 ml/min |
| 9/12/2023 12:48 PM | 20:00 | 5.69 pH | 22.85 °C | 335.38 µS/cm | 0.24 mg/L | 4.59 NTU | 137.8 mV | 29.72 ft | 150.00 ml/min |
| 9/12/2023 12:53 PM | 25:00 | 5.68 pH | 22.69 °C | 330.98 µS/cm | 0.20 mg/L | 3.53 NTU | 192.9 mV | 29.77 ft | 150.00 ml/min |
| 9/12/2023 12:58 PM | 30:00 | 5.67 pH | 22.53 °C | 330.11 µS/cm | 0.17 mg/L | 2.98 NTU | 146.8 mV | 29.78 ft | 150.00 ml/min |
| 9/12/2023 1:03 PM | 35:00 | 5.66 pH | 22.88 °C | 329.94 µS/cm | 0.16 mg/L | 1.85 NTU | 148.1 mV | 29.77 ft | 150.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
| MCD-B-83 | |

Low-Flow Test Report:

Test Date / Time: 9/12/2023 1:18:59 PM

Project: SCS Plant McDonough (10)

Operator Name: Daniel Howard

| | | |
|---|---|--|
| Location Name: MCD-B-88 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 64.06 ft Total Depth: 75.06 ft Initial Depth to Water: 38.76 ft | Pump Type: Bladder Tubing Type: LDPE Pump Intake From TOC: 70 ft Estimated Total Volume Pumped: 10000 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0.1 ft | Instrument Used: Aqua TROLL 400 Serial Number: 850751 |
|---|---|--|

Test Notes:

MCD-B-88 sample time 1410.

Weather Conditions:

Partly sunny, temp 83 F

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|-------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 10 % | +/- 5 | +/- 10 | +/- 0.3 | |
| 9/12/2023 1:18 PM | 00:00 | 5.72 pH | 25.97 °C | 921.04 µS/cm | 0.81 mg/L | 90.80 NTU | 76.6 mV | 38.76 ft | 200.00 ml/min |
| 9/12/2023 1:23 PM | 05:00 | 5.48 pH | 20.40 °C | 997.55 µS/cm | 0.40 mg/L | 27.60 NTU | 93.2 mV | 38.85 ft | 200.00 ml/min |
| 9/12/2023 1:28 PM | 10:00 | 5.46 pH | 20.04 °C | 996.61 µS/cm | 0.26 mg/L | 28.10 NTU | 113.8 mV | 38.86 ft | 200.00 ml/min |
| 9/12/2023 1:33 PM | 15:00 | 5.45 pH | 20.01 °C | 995.81 µS/cm | 0.20 mg/L | 24.90 NTU | 121.4 mV | 38.86 ft | 200.00 ml/min |
| 9/12/2023 1:38 PM | 20:00 | 5.46 pH | 19.92 °C | 989.77 µS/cm | 0.18 mg/L | 71.40 NTU | 100.7 mV | 38.86 ft | 200.00 ml/min |
| 9/12/2023 1:43 PM | 25:00 | 5.44 pH | 19.55 °C | 986.40 µS/cm | 0.21 mg/L | 24.50 NTU | 117.8 mV | 38.86 ft | 200.00 ml/min |
| 9/12/2023 1:48 PM | 30:00 | 5.43 pH | 19.19 °C | 981.12 µS/cm | 0.23 mg/L | 12.30 NTU | 126.6 mV | 38.86 ft | 200.00 ml/min |
| 9/12/2023 1:53 PM | 35:00 | 5.43 pH | 19.06 °C | 978.33 µS/cm | 0.24 mg/L | 7.65 NTU | 111.9 mV | 38.86 ft | 200.00 ml/min |
| 9/12/2023 1:58 PM | 40:00 | 5.43 pH | 18.99 °C | 974.71 µS/cm | 0.24 mg/L | 5.19 NTU | 132.6 mV | 38.86 ft | 200.00 ml/min |
| 9/12/2023 2:03 PM | 45:00 | 5.42 pH | 19.02 °C | 970.77 µS/cm | 0.24 mg/L | 4.36 NTU | 119.3 mV | 38.86 ft | 200.00 ml/min |
| 9/12/2023 2:08 PM | 50:00 | 5.41 pH | 19.07 °C | 966.96 µS/cm | 0.24 mg/L | 4.09 NTU | 139.4 mV | 38.86 ft | 200.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
| MCD-B-88 | |

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 9/6/2023 11:20:45 AM

Project: SCS MCD (2)

Operator Name: Dana Bloomfield

| | | |
|---|--|--|
| Location Name: MCD-B-92 Well Diameter: 2 in Casing Type: PVC Total Depth: 24.6 ft Initial Depth to Water: 7.95 m | Pump Type: peristaltic Tubing Type: LDPE Estimated Total Volume Pumped: 3200 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: -5.487 m | Instrument Used: Aqua TROLL 400 Serial Number: 883553 |
|---|--|--|

Test Notes:

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|----------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 0.2 | +/- 10 | +/- 10 | +/- 0.3 | |
| 9/6/2023 11:20 AM | 00:00 | 4.69 pH | 22.80 °C | 1,077.7 µS/cm | 0.23 mg/L | 3.70 NTU | 463.2 mV | 7.95 ft | 200.00 ml/min |
| 9/6/2023 11:24 AM | 03:31 | 4.70 pH | 22.15 °C | 1,088.9 µS/cm | 0.15 mg/L | 1.35 NTU | 494.8 mV | 8.08 ft | 200.00 ml/min |
| 9/6/2023 11:28 AM | 07:44 | 4.70 pH | 21.86 °C | 1,092.3 µS/cm | 0.13 mg/L | 1.19 NTU | 491.0 mV | 8.08 ft | 200.00 ml/min |
| 9/6/2023 11:30 AM | 10:01 | 4.70 pH | 21.92 °C | 1,090.9 µS/cm | 0.12 mg/L | 0.72 NTU | 489.9 mV | 8.08 ft | 200.00 ml/min |
| 9/6/2023 11:35 AM | 15:01 | 4.71 pH | 21.51 °C | 1,094.5 µS/cm | 0.11 mg/L | 0.86 NTU | 489.0 mV | 8.08 ft | 200.00 ml/min |
| | | | | | | | | | |

Samples

| Sample ID: | Description: |
|------------|--------------|
| McD-B-92 | |

Low-Flow Test Report:

Test Date / Time: 9/6/2023 10:49:44 AM

Project: McDonoughSAGW02 2023

Operator Name: Mark Mann

| | | |
|---|---|--|
| Location Name: MCD-B-93 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 19.3 ft Total Depth: 29.3 ft Initial Depth to Water: 10.23 ft | Pump Type: Peri Tubing Type: LDPE Pump Intake From TOC: 24 ft Estimated Total Volume Pumped: 12750 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0.66 ft | Instrument Used: Aqua TROLL 400 Serial Number: 965586 |
|---|---|--|

Test Notes:

Fe2+: 0.0

Weather Conditions:

Sunny

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|----------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 10 % | +/- 5 | +/- 10 | +/- 0.3 | |
| 9/6/2023 10:49 AM | 00:00 | 4.65 pH | 27.89 °C | 1,010.1 µS/cm | 3.94 mg/L | 18.80 NTU | 293.3 mV | 10.23 ft | 250.00 ml/min |
| 9/6/2023 10:54 AM | 05:00 | 4.60 pH | 20.82 °C | 1,092.9 µS/cm | 0.32 mg/L | 21.80 NTU | 487.5 mV | 10.86 ft | 250.00 ml/min |
| 9/6/2023 10:59 AM | 10:00 | 4.62 pH | 20.52 °C | 1,102.5 µS/cm | 0.34 mg/L | 59.00 NTU | 487.0 mV | 10.89 ft | 250.00 ml/min |
| 9/6/2023 11:04 AM | 15:00 | 4.63 pH | 20.25 °C | 1,103.6 µS/cm | 0.33 mg/L | 46.60 NTU | 486.9 mV | 10.89 ft | 200.00 ml/min |
| 9/6/2023 11:09 AM | 20:00 | 4.63 pH | 20.36 °C | 1,105.3 µS/cm | 0.33 mg/L | 28.50 NTU | 485.6 mV | 10.86 ft | 200.00 ml/min |
| 9/6/2023 11:14 AM | 25:00 | 4.63 pH | 20.64 °C | 1,105.9 µS/cm | 0.31 mg/L | 24.30 NTU | 572.6 mV | 10.85 ft | 200.00 ml/min |
| 9/6/2023 11:19 AM | 30:00 | 4.63 pH | 20.85 °C | 1,103.9 µS/cm | 0.29 mg/L | 13.50 NTU | 573.4 mV | 10.86 ft | 200.00 ml/min |
| 9/6/2023 11:24 AM | 35:00 | 4.66 pH | 20.80 °C | 1,100.0 µS/cm | 0.29 mg/L | 9.50 NTU | 490.0 mV | 10.86 ft | 200.00 ml/min |
| 9/6/2023 11:29 AM | 40:00 | 4.78 pH | 20.83 °C | 1,126.5 µS/cm | 0.27 mg/L | 7.50 NTU | 482.3 mV | 10.87 ft | 200.00 ml/min |
| 9/6/2023 11:34 AM | 45:00 | 4.84 pH | 20.46 °C | 1,134.6 µS/cm | 0.26 mg/L | 5.25 NTU | 478.0 mV | 10.88 ft | 200.00 ml/min |
| 9/6/2023 11:39 AM | 50:00 | 4.85 pH | 20.92 °C | 1,129.6 µS/cm | 0.26 mg/L | 3.11 NTU | 476.4 mV | 10.87 ft | 200.00 ml/min |
| 9/6/2023 11:44 AM | 55:00 | 4.85 pH | 20.91 °C | 1,121.6 µS/cm | 0.26 mg/L | 2.60 NTU | 476.9 mV | 10.86 ft | 200.00 ml/min |
| 9/6/2023 11:49 AM | 01:00:00 | 4.85 pH | 21.15 °C | 1,119.7 µS/cm | 0.26 mg/L | 2.08 NTU | 477.6 mV | 10.89 ft | 200.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
| McD-B-93 | |
| MCD-FD-4 | |

Low-Flow Test Report:

Test Date / Time: 9/6/2023 12:59:45 PM

Project: SCS MCD (3)

Operator Name: Dana Bloomfield

| | | |
|--|--|--|
| Location Name: MCD-B-97 Well Diameter: 2 in Casing Type: PVC Total Depth: 30.71 ft Initial Depth to Water: 6.5 ft | Pump Type: peristaltic Tubing Type: LDPE Estimated Total Volume Pumped: 4000 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0 ft | Instrument Used: Aqua TROLL 400 Serial Number: 883553 |
|--|--|--|

Test Notes:

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|-------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 0.2 | +/- 10 | +/- 10 | +/- 0.3 | |
| 9/6/2023 12:59 PM | 00:00 | 5.57 pH | 24.62 °C | 1,328.0 µS/cm | 0.22 mg/L | 1.73 NTU | 304.7 mV | 6.50 ft | 200.00 ml/min |
| 9/6/2023 1:04 PM | 05:00 | 5.60 pH | 23.35 °C | 1,355.0 µS/cm | 0.15 mg/L | 4.75 NTU | 352.0 mV | 6.50 ft | 200.00 ml/min |
| 9/6/2023 1:09 PM | 10:00 | 5.59 pH | 23.54 °C | 1,356.8 µS/cm | 0.14 mg/L | 3.95 NTU | 509.2 mV | 6.50 ft | 200.00 ml/min |
| 9/6/2023 1:14 PM | 15:00 | 5.61 pH | 23.19 °C | 1,356.7 µS/cm | 0.12 mg/L | 1.15 NTU | 353.2 mV | 6.50 ft | 200.00 ml/min |
| 9/6/2023 1:19 PM | 20:00 | 5.61 pH | 23.16 °C | 1,354.6 µS/cm | 0.10 mg/L | 2.01 NTU | 357.3 mV | 6.50 ft | 200.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
| MCD-B-97 | |

Low-Flow Test Report:

Test Date / Time: 9/6/2023 1:05:01 PM

Project: McDonoughSAGW02 2023 (2)

Operator Name: Mark Mann

| | | |
|---|---|--|
| Location Name: MCD-B-98 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 9.01 ft Total Depth: 19.01 ft Initial Depth to Water: 9.76 ft | Pump Type: Peri Tubing Type: LDPE Pump Intake From TOC: 24 ft Estimated Total Volume Pumped: 22250 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 8.39 ft | Instrument Used: Aqua TROLL 400 Serial Number: 965586 |
|---|---|--|

Test Notes:

Fe2+: 0.0

Weather Conditions:

Sunny

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|------------------|--------------|---------|-------------|-----------------------|-------------------|------------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 10 % | +/- 5 | +/- 10 | +/- 0.3 | |
| 9/6/2023 1:05 PM | 00:00 | 6.23 pH | 31.71 °C | 174.91 µS/cm | 3.73 mg/L | 101.00 NTU | 237.9 mV | 9.76 ft | 300.00 ml/min |
| 9/6/2023 1:10 PM | 05:00 | 6.30 pH | 22.30 °C | 193.88 µS/cm | 1.69 mg/L | 86.20 NTU | 226.2 mV | 11.13 ft | 300.00 ml/min |
| 9/6/2023 1:15 PM | 10:00 | 6.33 pH | 21.73 °C | 196.91 µS/cm | 0.85 mg/L | 130.00 NTU | 222.5 mV | 12.06 ft | 300.00 ml/min |
| 9/6/2023 1:20 PM | 15:00 | 6.34 pH | 21.50 °C | 202.57 µS/cm | 0.72 mg/L | 135.00 NTU | 145.2 mV | 13.16 ft | 300.00 ml/min |
| 9/6/2023 1:25 PM | 20:00 | 6.40 pH | 21.16 °C | 205.55 µS/cm | 1.02 mg/L | 146.00 NTU | 152.9 mV | 13.77 ft | 250.00 ml/min |
| 9/6/2023 1:30 PM | 25:00 | 6.28 pH | 21.77 °C | 214.07 µS/cm | 5.65 mg/L | 112.00 NTU | 196.8 mV | 13.99 ft | 200.00 ml/min |
| 9/6/2023 1:35 PM | 30:00 | 6.37 pH | 22.19 °C | 216.55 µS/cm | 4.66 mg/L | 109.00 NTU | 133.6 mV | 14.28 ft | 200.00 ml/min |
| 9/6/2023 1:40 PM | 35:00 | 6.41 pH | 21.01 °C | 208.51 µS/cm | 1.20 mg/L | 214.00 NTU | 88.3 mV | 14.75 ft | 200.00 ml/min |
| 9/6/2023 1:45 PM | 40:00 | 6.38 pH | 20.92 °C | 207.49 µS/cm | 1.37 mg/L | 166.00 NTU | 110.1 mV | 15.48 ft | 200.00 ml/min |
| 9/6/2023 1:50 PM | 45:00 | 6.37 pH | 20.98 °C | 207.05 µS/cm | 1.30 mg/L | 119.00 NTU | 114.1 mV | 15.89 ft | 200.00 ml/min |
| 9/6/2023 1:55 PM | 50:00 | 6.38 pH | 21.19 °C | 215.20 µS/cm | 1.25 mg/L | 84.50 NTU | 118.2 mV | 16.18 ft | 200.00 ml/min |
| 9/6/2023 2:00 PM | 55:00 | 6.36 pH | 21.27 °C | 212.35 µS/cm | 1.20 mg/L | 60.00 NTU | 118.4 mV | 16.60 ft | 200.00 ml/min |
| 9/6/2023 2:05 PM | 01:00:00 | 6.32 pH | 21.28 °C | 217.37 µS/cm | 1.30 mg/L | 56.30 NTU | 95.2 mV | 16.88 ft | 200.00 ml/min |

| | | | | | | | | | |
|------------------|----------|---------|----------|--------------|-----------|------------|----------|----------|---------------|
| 9/6/2023 2:10 PM | 01:05:00 | 6.30 pH | 21.28 °C | 217.72 µS/cm | 1.49 mg/L | 47.60 NTU | 112.8 mV | 16.99 ft | 100.00 ml/min |
| 9/6/2023 2:15 PM | 01:10:00 | 6.29 pH | 21.40 °C | 219.84 µS/cm | 1.52 mg/L | 39.60 NTU | 99.1 mV | 17.15 ft | 100.00 ml/min |
| 9/6/2023 2:20 PM | 01:15:00 | 6.27 pH | 21.52 °C | 221.89 µS/cm | 1.62 mg/L | 32.40 NTU | 125.7 mV | 17.42 ft | 100.00 ml/min |
| 9/6/2023 2:25 PM | 01:20:00 | 6.25 pH | 21.59 °C | 227.62 µS/cm | 1.71 mg/L | 32.80 NTU | 103.6 mV | 17.58 ft | 100.00 ml/min |
| 9/6/2023 2:30 PM | 01:25:00 | 6.24 pH | 21.52 °C | 233.15 µS/cm | 1.92 mg/L | 30.80 NTU | 126.8 mV | 17.62 ft | 100.00 ml/min |
| 9/6/2023 2:35 PM | 01:30:00 | 6.22 pH | 21.50 °C | 237.26 µS/cm | 2.06 mg/L | 27.40 NTU | 104.9 mV | 17.80 ft | 100.00 ml/min |
| 9/6/2023 2:40 PM | 01:35:00 | 6.22 pH | 21.55 °C | 235.06 µS/cm | 2.12 mg/L | 24.90 NTU | 126.2 mV | 17.89 ft | 100.00 ml/min |
| 9/6/2023 2:45 PM | 01:40:00 | 6.20 pH | 21.68 °C | 241.23 µS/cm | 2.24 mg/L | 24.10 NTU | 129.5 mV | 17.98 ft | 100.00 ml/min |
| 9/6/2023 2:50 PM | 01:45:00 | 6.19 pH | 21.73 °C | 247.19 µS/cm | 2.38 mg/L | 22.10 NTU | 102.4 mV | 18.12 ft | 100.00 ml/min |
| 9/6/2023 2:55 PM | 01:50:00 | 6.16 pH | 21.84 °C | 250.21 µS/cm | 2.53 mg/L | 112.00 NTU | 116.7 mV | 18.14 ft | 100.00 ml/min |
| 9/6/2023 3:00 PM | 01:55:00 | 6.17 pH | 22.01 °C | 254.02 µS/cm | 2.70 mg/L | 49.20 NTU | 101.6 mV | 18.16 ft | 100.00 ml/min |
| 9/6/2023 3:05 PM | 02:00:00 | 6.15 pH | 22.04 °C | 257.45 µS/cm | 2.74 mg/L | 27.90 NTU | 104.2 mV | 18.18 ft | 100.00 ml/min |
| 9/6/2023 3:10 PM | 02:05:00 | 6.14 pH | 22.12 °C | 259.57 µS/cm | 2.75 mg/L | 13.10 NTU | 106.3 mV | 18.13 ft | 100.00 ml/min |
| 9/6/2023 3:15 PM | 02:10:00 | 6.15 pH | 22.18 °C | 256.63 µS/cm | 2.74 mg/L | 5.88 NTU | 128.9 mV | 18.12 ft | 100.00 ml/min |
| 9/6/2023 3:20 PM | 02:15:00 | 6.16 pH | 22.14 °C | 260.09 µS/cm | 2.70 mg/L | 4.80 NTU | 124.5 mV | 18.15 ft | 100.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
| MCD-B-98 | |

Low-Flow Test Report:

Test Date / Time: 9/6/2023 9:19:43 AM

Project: SCS MCD

Operator Name: Dana Bloomfield

| | | |
|---|---|--|
| Location Name: SCS-MCD-B-100 Well Diameter: 2 in Casing Type: PVC Initial Depth to Water: 32.59 ft | Pump Type: Bladder Tubing Type: LDPE Estimated Total Volume Pumped: 9706.667 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: -22.657 m | Instrument Used: Aqua TROLL 400 Serial Number: 883553 |
|---|---|--|

Test Notes:

Weather Conditions:

Sunny 85F

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|-------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 0.2 | +/- 10 | +/- 10 | +/- 0.3 | |
| 9/6/2023 9:19 AM | 00:00 | 5.25 pH | 23.39 °C | 696.92 µS/cm | 4.68 mg/L | 34.00 NTU | 97.9 mV | 32.59 ft | 200.00 ml/min |
| 9/6/2023 9:24 AM | 05:00 | 5.22 pH | 21.43 °C | 772.85 µS/cm | 0.47 mg/L | 16.90 NTU | -24.5 mV | 32.59 ft | 200.00 ml/min |
| 9/6/2023 9:29 AM | 10:00 | 5.23 pH | 21.70 °C | 774.04 µS/cm | 0.42 mg/L | 17.80 NTU | -35.7 mV | 32.59 ft | 200.00 ml/min |
| 9/6/2023 9:34 AM | 15:00 | 5.24 pH | 21.67 °C | 774.36 µS/cm | 0.39 mg/L | 9.98 NTU | -35.1 mV | 32.59 ft | 200.00 ml/min |
| 9/6/2023 9:39 AM | 20:00 | 5.24 pH | 21.68 °C | 776.19 µS/cm | 0.35 mg/L | 8.25 NTU | -32.6 mV | 32.59 ft | 200.00 ml/min |
| 9/6/2023 9:44 AM | 25:00 | 5.25 pH | 21.67 °C | 777.56 µS/cm | 0.29 mg/L | 7.71 NTU | -10.6 mV | 32.59 ft | 200.00 ml/min |
| 9/6/2023 9:46 AM | 26:41 | 5.24 pH | 21.69 °C | 777.73 µS/cm | 0.29 mg/L | 6.62 NTU | -7.2 mV | 32.59 ft | 200.00 ml/min |
| 9/6/2023 9:51 AM | 31:41 | 5.25 pH | 21.73 °C | 776.36 µS/cm | 0.27 mg/L | 5.69 NTU | -7.2 mV | 32.59 ft | 200.00 ml/min |
| 9/6/2023 9:56 AM | 36:41 | 5.25 pH | 21.73 °C | 775.13 µS/cm | 0.25 mg/L | 5.38 NTU | -5.0 mV | 32.59 ft | 200.00 ml/min |
| 9/6/2023 9:58 AM | 38:32 | 5.25 pH | 21.79 °C | 774.95 µS/cm | 0.25 mg/L | 5.68 NTU | -2.7 mV | 32.59 ft | 200.00 ml/min |
| 9/6/2023 10:03 AM | 43:32 | 5.25 pH | 21.86 °C | 775.01 µS/cm | 0.23 mg/L | 5.95 NTU | -3.3 mV | 32.59 ft | 200.00 ml/min |
| 9/6/2023 10:08 AM | 48:32 | 5.25 pH | 21.94 °C | 773.74 µS/cm | 0.23 mg/L | 3.55 NTU | -1.7 mV | 32.59 ft | 200.00 ml/min |

Samples

| | |
|------------------|---------------------|
| MCD-B-100 | Description: |
|------------------|---------------------|

Low-Flow Test Report:

Test Date / Time: 9/8/2023 9:45:07 AM

Project: SCS Plant McDonough (4)

Operator Name: Daniel Howard

| | | |
|---|---|--|
| Location Name: MCD-B-101D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 64.9 ft Total Depth: 74.9 ft Initial Depth to Water: 38.21 ft | Pump Type: Bladder Tubing Type: LDPE Pump Intake From TOC: 69.9 ft Estimated Total Volume Pumped: 5000 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 3.09 ft | Instrument Used: Aqua TROLL 400 Serial Number: 850751 |
|---|---|--|

Test Notes:

MCD-B-101D sample time 1035.

Weather Conditions:

Clear and sunny, temp 68 F

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|-------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|---------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 10 % | +/- 5 | +/- 10 | +/- 0.3 | |
| 9/8/2023 9:45 AM | 00:00 | 6.34 pH | 22.96 °C | 774.32 µS/cm | 1.05 mg/L | 8.77 NTU | 78.5 mV | 38.21 ft | 100.00 ml/min |
| 9/8/2023 9:50 AM | 05:00 | 6.11 pH | 21.10 °C | 797.31 µS/cm | 0.64 mg/L | 7.39 NTU | 73.7 mV | 40.06 ft | 100.00 ml/min |
| 9/8/2023 9:55 AM | 10:00 | 6.09 pH | 21.06 °C | 798.57 µS/cm | 0.56 mg/L | 6.79 NTU | 82.0 mV | 40.28 ft | 100.00 ml/min |
| 9/8/2023 10:00 AM | 15:00 | 6.09 pH | 21.01 °C | 798.68 µS/cm | 0.47 mg/L | 5.95 NTU | 81.9 mV | 40.51 ft | 100.00 ml/min |
| 9/8/2023 10:05 AM | 20:00 | 6.08 pH | 20.98 °C | 799.30 µS/cm | 0.39 mg/L | 6.09 NTU | 74.0 mV | 40.68 ft | 100.00 ml/min |
| 9/8/2023 10:10 AM | 25:00 | 6.08 pH | 21.02 °C | 801.22 µS/cm | 0.38 mg/L | 5.37 NTU | 74.2 mV | 40.88 ft | 100.00 ml/min |
| 9/8/2023 10:15 AM | 30:00 | 6.07 pH | 21.15 °C | 805.57 µS/cm | 0.36 mg/L | 4.33 NTU | 74.7 mV | 40.96 ft | 100.00 ml/min |
| 9/8/2023 10:20 AM | 35:00 | 6.06 pH | 21.07 °C | 810.57 µS/cm | 0.32 mg/L | 4.18 NTU | 84.5 mV | 41.04 ft | 100.00 ml/min |
| 9/8/2023 10:25 AM | 40:00 | 6.05 pH | 21.11 °C | 816.08 µS/cm | 0.31 mg/L | 3.34 NTU | 75.9 mV | 41.16 ft | 100.00 ml/min |
| 9/8/2023 10:30 AM | 45:00 | 6.05 pH | 21.02 °C | 821.57 µS/cm | 0.30 mg/L | 2.99 NTU | 86.2 mV | 41.25 ft | 100.00 ml/min |
| 9/8/2023 10:35 AM | 50:00 | 6.04 pH | 20.80 °C | 826.80 µS/cm | 0.27 mg/L | 2.78 NTU | 77.3 mV | 41.30 ft | 100.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
| MCD-B-101D | |

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 9/11/2023 10:21:39 AM

Project: SCS Plant McDonough (5)

Operator Name: Daniel Howard

| | | |
|---|---|--|
| Location Name: MCD-B-102D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 74.4 ft Total Depth: 84.4 ft Initial Depth to Water: 33.98 ft | Pump Type: Bladder Tubing Type: LDPE Pump Intake From TOC: 79.4 ft Estimated Total Volume Pumped: 3750 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.88 ft | Instrument Used: Aqua TROLL 400 Serial Number: 850751 |
|---|---|--|

Test Notes:

MCD-B-102D sample time 1046.

Weather Conditions:

Clear, sunny, temp 75 F

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|-----------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|---------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 10 % | +/- 5 | +/- 10 | +/- 0.3 | |
| 9/11/2023 10:21 AM | 00:00 | 5.59 pH | 24.27 °C | 562.07 µS/cm | 1.28 mg/L | 2.98 NTU | 75.2 mV | 33.98 ft | 150.00 ml/min |
| 9/11/2023 10:26 AM | 05:00 | 5.43 pH | 22.21 °C | 576.54 µS/cm | 0.41 mg/L | 2.68 NTU | 48.4 mV | 34.70 ft | 150.00 ml/min |
| 9/11/2023 10:31 AM | 10:00 | 5.40 pH | 21.94 °C | 580.86 µS/cm | 0.26 mg/L | 3.98 NTU | 34.2 mV | 34.75 ft | 150.00 ml/min |
| 9/11/2023 10:36 AM | 15:00 | 5.40 pH | 21.91 °C | 582.21 µS/cm | 0.19 mg/L | 3.34 NTU | 31.5 mV | 34.78 ft | 150.00 ml/min |
| 9/11/2023 10:41 AM | 20:00 | 5.40 pH | 21.91 °C | 581.81 µS/cm | 0.17 mg/L | 2.20 NTU | 33.4 mV | 34.82 ft | 150.00 ml/min |
| 9/11/2023 10:46 AM | 25:00 | 5.39 pH | 22.42 °C | 582.04 µS/cm | 0.14 mg/L | 1.83 NTU | 37.4 mV | 34.86 ft | 150.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
| MCD-B-102D | |

Low-Flow Test Report:

Test Date / Time: 9/13/2023 11:19:11 AM

Project: MCD SAGW 2 (20)

Operator Name: P Wahl

| | | |
|--|--|--|
| Location Name: MCD-B-104D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 50 ft Total Depth: 60 ft Initial Depth to Water: 5.44 ft | Pump Type: Bladder Tubing Type: LDPE Pump Intake From TOC: 53 ft Estimated Total Volume Pumped: 10050 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 7.71 ft | Instrument Used: Aqua TROLL 400 Serial Number: 980712 |
|--|--|--|

Test Notes:

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|--------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 0.2 | +/- 10 | +/- 10 | +/- 0.3 | |
| 9/13/2023 11:19 AM | 00:00 | 6.31 pH | 28.83 °C | 970.33 µS/cm | 3.98 mg/L | 66.00 NTU | 94.6 mV | 6.02 ft | 200.00 ml/min |
| 9/13/2023 11:24 AM | 05:00 | 6.19 pH | 21.55 °C | 1,045.6 µS/cm | 0.49 mg/L | 10.40 NTU | 48.3 mV | 7.75 ft | 200.00 ml/min |
| 9/13/2023 11:29 AM | 10:00 | 6.22 pH | 21.88 °C | 1,047.4 µS/cm | 0.31 mg/L | 3.71 NTU | 36.6 mV | 9.51 ft | 200.00 ml/min |
| 9/13/2023 11:34 AM | 15:00 | 6.26 pH | 22.22 °C | 1,045.4 µS/cm | 0.27 mg/L | 3.45 NTU | 28.8 mV | 10.31 ft | 120.00 ml/min |
| 9/13/2023 11:39 AM | 20:00 | 6.29 pH | 22.26 °C | 1,043.9 µS/cm | 0.26 mg/L | 3.31 NTU | 25.0 mV | 10.91 ft | 120.00 ml/min |
| 9/13/2023 11:44 AM | 25:00 | 6.32 pH | 21.92 °C | 1,045.4 µS/cm | 0.24 mg/L | 3.65 NTU | 19.6 mV | 11.51 ft | 120.00 ml/min |
| 9/13/2023 11:49 AM | 30:00 | 6.42 pH | 22.19 °C | 1,049.2 µS/cm | 0.23 mg/L | 3.47 NTU | 12.6 mV | 11.75 ft | 100.00 ml/min |
| 9/13/2023 11:54 AM | 35:00 | 6.66 pH | 22.82 °C | 1,056.1 µS/cm | 0.21 mg/L | 4.44 NTU | 1.6 mV | 11.92 ft | 100.00 ml/min |
| 9/13/2023 11:59 AM | 40:00 | 6.70 pH | 23.51 °C | 1,057.7 µS/cm | 0.20 mg/L | 7.39 NTU | -7.7 mV | 12.07 ft | 100.00 ml/min |
| 9/13/2023 12:04 PM | 45:00 | 6.68 pH | 23.74 °C | 1,058.2 µS/cm | 0.19 mg/L | 11.90 NTU | -11.0 mV | 12.15 ft | 100.00 ml/min |
| 9/13/2023 12:09 PM | 50:00 | 6.59 pH | 22.57 °C | 1,050.0 µS/cm | 0.23 mg/L | 9.58 NTU | -8.4 mV | 12.62 ft | 250.00 ml/min |
| 9/13/2023 12:14 PM | 55:00 | 6.57 pH | 22.88 °C | 1,047.3 µS/cm | 0.17 mg/L | 6.86 NTU | -4.9 mV | 12.87 ft | 100.00 ml/min |
| 9/13/2023 12:19 PM | 01:00:00 | 6.55 pH | 22.37 °C | 1,049.6 µS/cm | 0.15 mg/L | 5.41 NTU | -3.1 mV | 13.11 ft | 100.00 ml/min |
| 9/13/2023 12:24 PM | 01:05:00 | 6.51 pH | 22.76 °C | 1,047.5 µS/cm | 0.14 mg/L | 5.81 NTU | -2.5 mV | 13.30 ft | 100.00 ml/min |
| 9/13/2023 12:29 PM | 01:10:00 | 6.47 pH | 23.60 °C | 1,047.3 µS/cm | 0.13 mg/L | 4.74 NTU | -0.8 mV | 13.22 ft | 100.00 ml/min |

| | | | | | | | | | |
|-----------------------|----------|---------|----------|------------------|-----------|----------|--------|----------|---------------|
| 9/13/2023 12:34 PM | 01:15:00 | 6.44 pH | 23.56 °C | 1,050.4 μS/cm | 0.13 mg/L | 3.12 NTU | 0.1 mV | 13.15 ft | 100.00 ml/min |
|-----------------------|----------|---------|----------|------------------|-----------|----------|--------|----------|---------------|

Samples

| Sample ID: | Description: |
|------------|--------------|
| MCD-B-104D | |

Low-Flow Test Report:

Test Date / Time: 9/11/2023 3:12:44 PM

Project: SCS Plant McDonough (7)

Operator Name: Daniel Howard

| | | |
|---|---|--|
| Location Name: MCD-B-106D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 69.4 ft Total Depth: 79.4 ft Initial Depth to Water: 37.75 ft | Pump Type: bladder Tubing Type: LDPE Pump Intake From TOC: 74.4 ft Estimated Total Volume Pumped: 5000 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0.55 ft | Instrument Used: Aqua TROLL 400 Serial Number: 850751 |
|---|---|--|

Test Notes:

MCD-B-106D sample time 1538.

Weather Conditions:

Partly sunny, 87 F

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|----------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 10 % | +/- 5 | +/- 10 | +/- 0.3 | |
| 9/11/2023 3:12 PM | 00:00 | 5.79 pH | 27.20 °C | 356.79 µS/cm | 1.58 mg/L | 0.47 NTU | 150.9 mV | 37.75 ft | 200.00 ml/min |
| 9/11/2023 3:17 PM | 05:00 | 5.81 pH | 22.62 °C | 371.82 µS/cm | 1.73 mg/L | 0.54 NTU | 124.1 mV | 38.27 ft | 200.00 ml/min |
| 9/11/2023 3:22 PM | 10:00 | 5.81 pH | 22.36 °C | 376.10 µS/cm | 1.57 mg/L | 0.52 NTU | 136.7 mV | 38.29 ft | 200.00 ml/min |
| 9/11/2023 3:27 PM | 15:00 | 5.81 pH | 22.00 °C | 374.56 µS/cm | 1.42 mg/L | 0.48 NTU | 136.2 mV | 38.30 ft | 200.00 ml/min |
| 9/11/2023 3:32 PM | 20:00 | 5.81 pH | 21.92 °C | 374.40 µS/cm | 1.36 mg/L | 0.38 NTU | 135.1 mV | 38.30 ft | 200.00 ml/min |
| 9/11/2023 3:37 PM | 25:00 | 5.80 pH | 21.91 °C | 374.49 µS/cm | 1.34 mg/L | 0.36 NTU | 134.6 mV | 38.30 ft | 200.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
| MCD-B-106D | |

Low-Flow Test Report:

Test Date / Time: 9/12/2023 9:21:21 AM

Project: MCD SAGW 2 (14)

Operator Name: P Wahl

| | | |
|--|---|--|
| Location Name: MCD-B-107D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 75.58 ft Total Depth: 85.5 ft Initial Depth to Water: 24.23 ft | Pump Type: Peristaltic Tubing Type: LDPE Pump Intake From TOC: 78 ft Estimated Total Volume Pumped: 3250 ml Flow Cell Volume: 90 ml Final Flow Rate: 130 ml/min Final Draw Down: 0.29 ft | Instrument Used: Aqua TROLL 400 Serial Number: 980712 |
|--|---|--|

Test Notes:

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|----------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|---------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 0.2 | +/- 10 | +/- 10 | +/- 0.3 | |
| 9/12/2023 9:21 AM | 00:00 | 6.44 pH | 25.13 °C | 620.59 µS/cm | 4.59 mg/L | 2.51 NTU | 78.7 mV | 24.48 ft | 130.00 ml/min |
| 9/12/2023 9:26 AM | 05:00 | 5.83 pH | 21.45 °C | 700.75 µS/cm | 0.64 mg/L | 1.98 NTU | 66.7 mV | 24.51 ft | 130.00 ml/min |
| 9/12/2023 9:31 AM | 10:00 | 5.83 pH | 21.07 °C | 705.60 µS/cm | 0.37 mg/L | 1.03 NTU | 66.1 mV | 24.52 ft | 130.00 ml/min |
| 9/12/2023 9:36 AM | 15:00 | 5.84 pH | 20.96 °C | 705.20 µS/cm | 0.28 mg/L | 1.65 NTU | 60.5 mV | 24.52 ft | 130.00 ml/min |
| 9/12/2023 9:41 AM | 20:00 | 5.85 pH | 20.88 °C | 697.55 µS/cm | 0.26 mg/L | 2.10 NTU | 59.1 mV | 24.52 ft | 130.00 ml/min |
| 9/12/2023 9:46 AM | 25:00 | 5.85 pH | 20.97 °C | 704.45 µS/cm | 0.26 mg/L | 1.51 NTU | 55.3 mV | 24.52 ft | 130.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
| MCD-B-107D | |

Low-Flow Test Report:

Test Date / Time: 9/13/2023 1:34:17 PM

Project: McDonoughSAGW02 2023 (17)

Operator Name: Mark Mann

| | | |
|---|--|--|
| Location Name: MCD-B-108D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 69 ft Total Depth: 79 ft Initial Depth to Water: 23.39 ft | Pump Type: Peri Tubing Type: LDPE Pump Intake From TOC: 74 ft Estimated Total Volume Pumped: 4000 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0.65 ft | Instrument Used: Aqua TROLL 400 Serial Number: 965586 |
|---|--|--|

Test Notes:

Fe2+: 0.5

Weather Conditions:

Sunny

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|----------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|---------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 10 % | +/- 5 | +/- 10 | +/- 0.3 | |
| 9/13/2023 1:34 PM | 00:00 | 7.18 pH | 35.11 °C | 671.17 µS/cm | 3.40 mg/L | 0.60 NTU | 86.4 mV | 23.39 ft | 200.00 ml/min |
| 9/13/2023 1:39 PM | 05:00 | 5.92 pH | 22.72 °C | 763.20 µS/cm | 0.47 mg/L | 1.07 NTU | 68.3 mV | 23.96 ft | 200.00 ml/min |
| 9/13/2023 1:44 PM | 10:00 | 5.89 pH | 22.22 °C | 773.21 µS/cm | 0.31 mg/L | 1.10 NTU | 78.5 mV | 23.99 ft | 200.00 ml/min |
| 9/13/2023 1:49 PM | 15:00 | 5.89 pH | 22.02 °C | 767.57 µS/cm | 0.25 mg/L | 0.81 NTU | 66.3 mV | 24.02 ft | 200.00 ml/min |
| 9/13/2023 1:54 PM | 20:00 | 5.88 pH | 21.67 °C | 772.56 µS/cm | 0.22 mg/L | 0.47 NTU | 65.0 mV | 24.04 ft | 200.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
| MCD-B-108D | |

Low-Flow Test Report:

Test Date / Time: 9/13/2023 12:10:57 PM

Project: SCS Plant McDonough (12)

Operator Name: Daniel Howard

| | | |
|---|---|--|
| Location Name: MCD-B-111D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 74.2 ft Total Depth: 84.2 ft Initial Depth to Water: 11.27 ft | Pump Type: Peristaltic Tubing Type: HDPE Pump Intake From TOC: 79.2 ft Estimated Total Volume Pumped: 6000 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 1.61 ft | Instrument Used: Aqua TROLL 400 Serial Number: 850751 |
|---|---|--|

Test Notes:

MCD-B-111D sample time 1242.

Weather Conditions:

Partly sunny, temp 78 F

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|-----------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|-----------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 10 % | +/- 5 | +/- 10 | +/- 0.3 | |
| 9/13/2023 12:10 PM | 00:00 | 7.23 pH | 22.31 °C | 893.21 µS/cm | 0.30 mg/L | 2.63 NTU | -122.9 mV | 11.27 ft | 200.00 ml/min |
| 9/13/2023 12:15 PM | 05:00 | 7.34 pH | 21.28 °C | 856.16 µS/cm | 0.21 mg/L | 1.92 NTU | -102.6 mV | 12.43 ft | 200.00 ml/min |
| 9/13/2023 12:20 PM | 10:00 | 7.25 pH | 20.89 °C | 809.43 µS/cm | 0.19 mg/L | 2.20 NTU | -103.8 mV | 12.54 ft | 200.00 ml/min |
| 9/13/2023 12:25 PM | 15:00 | 7.16 pH | 20.70 °C | 773.33 µS/cm | 0.17 mg/L | 2.76 NTU | -70.0 mV | 12.65 ft | 200.00 ml/min |
| 9/13/2023 12:30 PM | 20:00 | 7.09 pH | 20.76 °C | 757.44 µS/cm | 0.16 mg/L | 1.86 NTU | -80.6 mV | 12.74 ft | 200.00 ml/min |
| 9/13/2023 12:35 PM | 25:00 | 7.04 pH | 20.41 °C | 746.91 µS/cm | 0.15 mg/L | 2.28 NTU | -56.5 mV | 12.83 ft | 200.00 ml/min |
| 9/13/2023 12:40 PM | 30:00 | 7.01 pH | 20.40 °C | 738.99 µS/cm | 0.15 mg/L | 2.27 NTU | -69.6 mV | 12.88 ft | 200.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
| MCD-B-111D | |

Low-Flow Test Report:

Test Date / Time: 9/12/2023 9:04:43 AM

Project: SCS MCD (10)

Operator Name: Dana Bloomfield

| | | |
|---|---|--|
| Location Name: MCD-B-120D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 62.08 ft Total Depth: 72.08 ft Initial Depth to Water: 35.23 ft | Pump Type: Bladder Tubing Type: LDPE Estimated Total Volume Pumped: 6570 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0.02 ft | Instrument Used: Aqua TROLL 400 Serial Number: 883553 |
|---|---|--|

Test Notes:

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|-------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 0.2 | +/- 10 | +/- 10 | +/- 0.3 | |
| 9/12/2023 9:04 AM | 00:00 | 9.01 pH | 26.54 °C | 0.70 µS/cm | 8.01 mg/L | | 62.0 mV | 35.23 ft | 200.00 ml/min |
| 9/12/2023 9:07 AM | 02:51 | 5.47 pH | 22.67 °C | 805.84 µS/cm | 3.24 mg/L | 31.30 NTU | 26.0 mV | 35.23 ft | 200.00 ml/min |
| 9/12/2023 9:12 AM | 07:51 | 5.35 pH | 20.22 °C | 879.77 µS/cm | 1.93 mg/L | 9.76 NTU | 45.7 mV | 35.28 ft | 200.00 ml/min |
| 9/12/2023 9:17 AM | 12:51 | 5.34 pH | 20.39 °C | 872.21 µS/cm | 1.63 mg/L | 6.94 NTU | 55.2 mV | 35.28 ft | 200.00 ml/min |
| 9/12/2023 9:22 AM | 17:51 | 5.31 pH | 20.58 °C | 873.80 µS/cm | 1.35 mg/L | 3.65 NTU | 69.9 mV | 35.25 ft | 200.00 ml/min |
| 9/12/2023 9:27 AM | 22:51 | 5.28 pH | 20.66 °C | 871.82 µS/cm | 0.80 mg/L | 5.45 NTU | 93.5 mV | 35.25 ft | 200.00 ml/min |
| 9/12/2023 9:32 AM | 27:51 | 5.28 pH | 20.66 °C | 873.04 µS/cm | 0.83 mg/L | 2.96 NTU | 94.2 mV | 35.25 ft | 200.00 ml/min |
| 9/12/2023 9:37 AM | 32:51 | 5.27 pH | 20.75 °C | 870.83 µS/cm | 0.83 mg/L | 3.55 NTU | 116.7 mV | 35.25 ft | 200.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
| MCD-B-120D | |

Low-Flow Test Report:

Test Date / Time: 9/7/2023 2:18:05 PM

Project: SCS Plant McDonough (2)

Operator Name: Daniel Howard

| | | |
|--|---|--|
| Location Name: MCD-B-122D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 70.63 ft Total Depth: 80.63 ft Initial Depth to Water: 28.7 ft | Pump Type: Bladder Tubing Type: LDPE Pump Intake From TOC: 75.6 ft Estimated Total Volume Pumped: 5988.333 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 1.36 ft | Instrument Used: Aqua TROLL 400 Serial Number: 850751 |
|--|---|--|

Test Notes:

Instrument disconnected had to restart run.

Weather Conditions:

Hot, partly sunny, temp 88 F

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|----------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 10 % | +/- 5 | +/- 10 | +/- 0.3 | |
| 9/7/2023 2:18 PM | 00:00 | 5.96 pH | 25.44 °C | 452.63 µS/cm | 0.80 mg/L | 8.38 NTU | -52.8 mV | 28.70 ft | 100.00 ml/min |
| 9/7/2023 2:23 PM | 05:00 | 5.93 pH | 25.45 °C | 451.72 µS/cm | 0.57 mg/L | 5.17 NTU | -45.5 mV | 29.94 ft | 100.00 ml/min |
| 9/7/2023 2:28 PM | 10:00 | 5.93 pH | 25.55 °C | 452.06 µS/cm | 0.44 mg/L | 2.72 NTU | -63.7 mV | 30.02 ft | 100.00 ml/min |
| 9/7/2023 2:33 PM | 15:00 | 5.93 pH | 25.42 °C | 453.09 µS/cm | 0.38 mg/L | 3.72 NTU | -44.9 mV | 30.02 ft | 100.00 ml/min |
| 9/7/2023 2:38 PM | 20:00 | 5.92 pH | 25.22 °C | 436.12 µS/cm | 0.36 mg/L | 1.28 NTU | -68.4 mV | 30.06 ft | 100.00 ml/min |
| 9/7/2023 2:43 PM | 25:00 | 5.93 pH | 25.30 °C | 463.70 µS/cm | 0.94 mg/L | 0.97 NTU | -71.2 mV | 30.06 ft | 100.00 ml/min |
| 9/7/2023 2:57 PM | 39:00 | 5.94 pH | 25.37 °C | 475.82 µS/cm | 0.25 mg/L | 0.93 NTU | -56.2 mV | 30.06 ft | 100.00 ml/min |
| 9/7/2023 3:00 PM | 42:11 | 5.94 pH | 24.94 °C | 477.04 µS/cm | 0.24 mg/L | 1.14 NTU | -54.4 mV | 30.06 ft | 100.00 ml/min |
| 9/7/2023 3:05 PM | 47:11 | 5.94 pH | 24.72 °C | 481.47 µS/cm | 0.23 mg/L | 2.37 NTU | -78.0 mV | 30.06 ft | 100.00 ml/min |
| 9/7/2023 3:10 PM | 52:11 | 5.94 pH | 24.72 °C | 482.60 µS/cm | 0.21 mg/L | 1.27 NTU | -78.9 mV | 30.06 ft | 100.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
|------------|--------------|

Low-Flow Test Report:

Test Date / Time: 9/14/2023 9:53:06 AM

Project: SCS Plant McDonough (14)

Operator Name: mark Mann

| | | |
|---|--|--|
| Location Name: MCD-B-125D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 135 ft Total Depth: 145 ft Initial Depth to Water: 80.79 ft | Pump Type: bladder Tubing Type: HDPE Pump Intake From TOC: 140 ft Estimated Total Volume Pumped: 2000 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 1.76 ft | Instrument Used: Aqua TROLL 400 Serial Number: 965586 |
|---|--|--|

Test Notes:

Fe2+: >7.0

119 L purged between 09/12 and 09/13. Well purged dry on 09/13.

Weather Conditions:

Sunny

Low-Flow Readings:

| Date Time | Elapsed Time | pH | Temperature | Specific Conductivity | RDO Concentration | Turbidity | ORP | Depth to Water | Flow |
|-----------------------|--------------|---------|-------------|-----------------------|-------------------|-----------|---------|----------------|---------------|
| | | +/- 0.1 | +/- 0.5 | +/- 5 % | +/- 10 % | +/- 5 | +/- 10 | +/- 0.3 | |
| 9/14/2023 9:53 AM | 00:00 | 6.43 pH | 27.57 °C | 866.65 µS/cm | 5.58 mg/L | 15.30 NTU | 31.8 mV | 80.79 ft | 200.00 ml/min |
| 9/14/2023 9:58 AM | 05:00 | 5.89 pH | 21.23 °C | 1,109.2 µS/cm | 1.74 mg/L | 7.82 NTU | 69.2 mV | 80.99 ft | 200.00 ml/min |
| 9/14/2023 10:03 AM | 10:00 | 5.84 pH | 21.05 °C | 1,117.6 µS/cm | 1.63 mg/L | 3.03 NTU | 82.5 mV | 82.55 ft | 200.00 ml/min |

Samples

| Sample ID: | Description: |
|------------|--------------|
| MCD-B-125D | |

APPENDIX A

Instrument Calibration Forms

Site Name: Plant McDonough

Field Instrumentation Calibration Form

Date: 9/16

Calibrated By: D. Bloomfield

Field Conditions: Sunny, 80°F

| Instrument | Manufacturer/ Model | Serial Number |
|---------------------|---------------------|---------------|
| Water Quality Meter | HANNA | 9983553 |
| Turbidity Meter | 2100Q/14EH | 22090Dodge 39 |

| Calibration Standard Information | | | | |
|----------------------------------|----------|----------|--------------------|-------|
| Parameter | Standard | Lot # | Date of Expiration | Brand |
| Specific Conductance (µS/cm) | 4,490 | 2900004 | 5/24 | ATK |
| pH (SU) | 4.00 | " | " | |
| pH (SU) | 7.00 | 22290139 | 04/24 | |
| pH (SU) | 10.00 | 22110130 | 04/24 | |
| D.O. (%) | N/A | 2400004 | 05/24 | |
| ORP (mV) | 228.0 | 24002258 | 06/24 | |

| Calibration | | | | | |
|------------------------------|----------|-------------------------|---------------------------------------|---------------------|-----------|
| Time Start <u>0750</u> | | Time Finish <u>0815</u> | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature (°C) | Acceptance Criteria | Reference |
| Specific Conductance (µS/cm) | 4,490 | 4185.3 | 22.04 | ± 10% of standard | EPA 2023 |
| pH (SU) | 4.00 | 4.01 | 22.19 | ± 0.1 | GWMP |
| pH (SU) | 7.00 | 6.95 | 22.51 | ± 0.1 | GWMP |
| pH (SU) | 10.00 | 10.31 | 22.98 | ± 0.1 | GWMP |
| D.O. (%) | N/A | 98.86 | 22.04 | ± 10% | NA |
| ORP (mV) | 228.0 | 226.6 | 22.82 | ± 10 | EPA 2023 |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-----------------|----------|-------------------|---------------------|-----------|
| | 20 | 19.8 | | |
| | 100 | 98.4 | | |
| | 800 | 801 | | |
| | 10 | 10.3 | | |

| Calibration Check | | | | | |
|------------------------------|----------|-------------------------|---------------------------------------|---------------------|-----------|
| Time Start <u>1521</u> | | Time Finish <u>1530</u> | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature (°C) | Acceptance Criteria | Reference |
| Specific Conductance (µS/cm) | 4,490 | 4320.6 | 25.00 | ± 10% of standard | EPA 2023 |
| pH (SU) | 4.00 | 4.07 | 37.15 | ± 0.1 | GWMP |
| pH (SU) | 7.00 | 7.03 | 34.85 | ± 0.1 | GWMP |
| pH (SU) | 10.00 | 9.94 | 34.77 | ± 0.1 | GWMP |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-----------------|----------|-------------------|---------------------|-----------|
| | 20 | 19.7 | | |
| | 100 | 98.7 | | |
| | 800 | 797 | | |
| | 10 | 9.05 | | |

Notes:

Site Name: Plant McDonough

Field Instrumentation Calibration Form

Date: 9/7/23

Calibrated By: D. Bloomfield

Field Conditions: Sunny, 80°F

| Instrument | Manufacturer/ Model | Serial Number |
|---------------------|---------------------|--------------------|
| Water Quality Meter | <u>HANNA</u> | <u>883553</u> |
| Turbidity Meter | <u>2100QTAPEH</u> | <u>22090000239</u> |

same as previous

| Calibration Standard Information | | | | |
|----------------------------------|----------|-------|--------------------|-------|
| Parameter | Standard | Lot # | Date of Expiration | Brand |
| Specific Conductance (µS/cm) | 4.490 | | | |
| pH (SU) | 4.00 | | | |
| pH (SU) | 7.00 | | | |
| pH (SU) | 10.00 | | | |
| D.O. (%) | N/A | | | |
| ORP (mV) | 228.0 | | | |

| Calibration | | | | | |
|------------------------------|-------------|-------------------|---------------------------------------|---------------------|-----------|
| Time Start | Time Finish | | | | |
| <u>0855</u> | <u>0910</u> | | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature (°C) | Acceptance Criteria | Reference |
| Specific Conductance (µS/cm) | 4.490 | <u>4672.3</u> | <u>25.16</u> | ± 10% of standard | EPA 2023 |
| pH (SU) | 4.00 | <u>4.04</u> | <u>25.14</u> | ± 0.1 | GWMP |
| pH (SU) | 7.00 | <u>6.96</u> | <u>26.44</u> | ± 0.1 | GWMP |
| pH (SU) | 10.00 | <u>9.95</u> | <u>27.37</u> | ± 0.1 | GWMP |
| D.O. (%) | N/A | <u>96.57</u> | <u>25.15</u> | ± 10% | NA |
| ORP (mV) | 228.0 | <u>219.1</u> | <u>27.75</u> | ± 10 | EPA 2023 |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-----------------|------------|-------------------|---------------------|-----------|
| | <u>20</u> | <u>18.0</u> | | |
| | <u>100</u> | <u>90.2</u> | | |
| | <u>800</u> | <u>81.2</u> | | |
| | <u>10</u> | <u>9.77</u> | | |
| | | | ± 10% of standard | EPA 2023 |

| Calibration Check | | | | | |
|------------------------------|-------------|-------------------|---------------------------------------|---------------------|-----------|
| Time Start | Time Finish | | | | |
| <u>1730</u> | <u>1745</u> | | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature (°C) | Acceptance Criteria | Reference |
| Specific Conductance (µS/cm) | 4.490 | <u>4654.3</u> | <u>37.50</u> | ± 10% of standard | EPA 2023 |
| pH (SU) | 4.00 | <u>4.00</u> | <u>35.10</u> | ± 0.1 | GWMP |
| pH (SU) | 7.00 | <u>6.98</u> | <u>35.03</u> | ± 0.1 | GWMP |
| pH (SU) | 10.00 | <u>9.92</u> | <u>35.10</u> | ± 0.1 | GWMP |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-----------------|------------|-------------------|---------------------|-----------|
| | <u>20</u> | <u>20.6</u> | | |
| | <u>100</u> | <u>100</u> | | |
| | <u>800</u> | <u>807</u> | | |
| | <u>10</u> | <u>10.6</u> | | |
| | | | ± 10% of standard | EPA 2023 |

Notes:

Site Name Plant McDonough Field Instrumentation Calibration Form

Date: 9/18

Calibrated By: D. Bicomfield

Field Conditions: 65 sunny

| Instrument | Manufacturer/ Model | Serial Number |
|---------------------|---------------------|---------------|
| Water Quality Meter | HANNA | 803553 |
| Turbidity Meter | HANNA | 22002258 |

| Parameter | Standard | Lot # | Date of Expiration | Brand |
|------------------------------|----------|----------|--------------------|-------|
| Specific Conductance (µS/cm) | 4,490 | 240044 | 5/24 | PK |
| pH (SU) | 4.00 | " | " | " |
| pH (SU) | 7.00 | 22200139 | 4/24 | " |
| pH (SU) | 10.00 | 22110130 | 4/24 | " |
| D.O. (%) | N/A | 240044 | 5/24 | " |
| ORP (mV) | 228.0 | 24002258 | 6/24 | " |

| Time Start | | Time Finish | | | | |
|------------------------------|----------|-------------------|---------------------------------------|---------------------|-----------|--|
| Parameter | Standard | Calibration Value | Calibration Solution Temperature (°C) | Acceptance Criteria | Reference | |
| Specific Conductance (µS/cm) | 4,490 | 4366.9 | 24.33 | ± 10% of standard | EPA 2023 | |
| pH (SU) | 4.00 | 4.10 | 24.03 | ± 0.1 | GWMP | |
| pH (SU) | 7.00 | 7.01 | 24.44 | ± 0.1 | GWMP | |
| pH (SU) | 10.00 | 9.99 | 25.06 | ± 0.1 | GWMP | |
| D.O. (%) | N/A | 99.72 | 24.05 | ± 10% | NA | |
| ORP (mV) | 228.0 | 228.8 | 24.61 | ± 10 | EPA 2023 | |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-----------------|----------|-------------------|---------------------|-----------|
| | 20 | 22.2 | | |
| | 100 | 104 | | |
| | 800 | 802 | | |
| | 10 | 9.7 | | |

| Time Start | | Time Finish | | | | |
|------------------------------|----------|-------------------|---------------------------------------|---------------------|-----------|--|
| Parameter | Standard | Calibration Value | Calibration Solution Temperature (°C) | Acceptance Criteria | Reference | |
| Specific Conductance (µS/cm) | 4,490 | | | ± 10% of standard | EPA 2023 | |
| pH (SU) | 4.00 | | | ± 0.1 | GWMP | |
| pH (SU) | 7.00 | | | ± 0.1 | GWMP | |
| pH (SU) | 10.00 | | | ± 0.1 | GWMP | |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-----------------|----------|-------------------|---------------------|-----------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Notes: Last sample before 12pm - no cal check

Site Name: Plant McDonough
D. Bloomfield

Field Instrumentation Calibration Form

Date: 9/12/23

Field Conditions: Sunny, 80°F

| Instrument | Manufacturer/Model | Serial Number |
|---------------------|--------------------|-------------------|
| Water Quality Meter | <u>Rauwell</u> | <u>683555</u> |
| Turbidity Meter | <u>port 2000</u> | <u>2204000239</u> |

| Calibration Standard Information | | | | |
|----------------------------------|----------|-----------------|--------------------|------------|
| Parameter | Standard | Lot # | Date of Expiration | Brand |
| Specific Conductance (µS/cm) | 4.490 | <u>2400040</u> | <u>5/24</u> | <u>AIR</u> |
| pH (SU) | 4.00 | | | |
| pH (SU) | 7.00 | <u>22200139</u> | <u>4/24</u> | |
| pH (SU) | 10.00 | <u>22110130</u> | <u>4/24</u> | |
| D.O. (%) | N/A | <u>2400040</u> | <u>5/24</u> | |
| ORP (mV) | 228.0 | <u>2400228</u> | <u>6/24</u> | |

| Calibration | | | | | |
|------------------------------|--------------|-------------------|---------------------------------------|---------------------|-----------|
| Time Start | Time Finish | | | | |
| <u>5:10</u> | <u>08:25</u> | | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature (°C) | Acceptance Criteria | Reference |
| Specific Conductance (µS/cm) | 4.490 | <u>4606.5</u> | <u>25.67</u> | ± 10% of standard | EPA 2023 |
| pH (SU) | 4.00 | <u>3.99</u> | <u>25.82</u> | ± 0.1 | GWMP |
| pH (SU) | 7.00 | <u>6.98</u> | <u>26.42</u> | ± 0.1 | GWMP |
| pH (SU) | 10.00 | <u>9.96</u> | <u>26.32</u> | ± 0.1 | GWMP |
| D.O. (%) | N/A | <u>103.99</u> | <u>25.88</u> | ± 10% | NA |
| ORP (mV) | 228.0 | <u>225.3</u> | <u>27.06</u> | ± 10 | EPA 2023 |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-----------------|------------|-------------------|---------------------|-----------|
| | <u>20</u> | <u>20.1</u> | | |
| | <u>100</u> | <u>97.6</u> | | |
| | <u>500</u> | <u>796</u> | | |
| | <u>10</u> | <u>10.8</u> | | |
| | | | ± 10% of standard | EPA 2023 |

| Calibration Check | | | | | |
|------------------------------|-------------|-------------------|---------------------------------------|---------------------|-----------|
| Time Start | Time Finish | | | | |
| | | | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature (°C) | Acceptance Criteria | Reference |
| Specific Conductance (µS/cm) | 4.490 | | | ± 10% of standard | EPA 2023 |
| pH (SU) | 4.00 | | | ± 0.1 | GWMP |
| pH (SU) | 7.00 | | | ± 0.1 | GWMP |
| pH (SU) | 10.00 | | | ± 0.1 | GWMP |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-----------------|----------|-------------------|---------------------|-----------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | ± 10% of standard | EPA 2023 |

Notes: pumped on same well from 10 am ~ 3:30 pm, no cal check

Site Name: Plant McDonough

Field Instrumentation Calibration Form

Date: 2/13/23

Calibrated By: D. Bicomfield

Field Conditions: Rainy 70°F

| Instrument | Manufacturer/ Model | Serial Number |
|---------------------|---------------------|------------------|
| Water Quality Meter | <u>AGUATP011</u> | <u>993555</u> |
| Turbidity Meter | <u>TRACH 2000</u> | <u>224020234</u> |

| Calibration Standard Information | | | | |
|----------------------------------|----------|----------------|--------------------|------------|
| Parameter | Standard | Lot # | Date of Expiration | Brand |
| Specific Conductance (µS/cm) | 4,490 | <u>2400044</u> | <u>4/24</u> | <u>RIB</u> |
| pH (SU) | 4.00 | <u>1</u> | <u>1</u> | |
| pH (SU) | 7.00 | <u>2270034</u> | <u>4/24</u> | |
| pH (SU) | 10.00 | <u>2210130</u> | <u>4/24</u> | |
| D.O. (%) | N/A | <u>2400044</u> | <u>5/24</u> | |
| ORP (mV) | 228.0 | <u>2400235</u> | <u>6/24</u> | |

| Calibration | | | | | |
|------------------------------|-------------|-------------------|---------------------------------------|---------------------|-----------|
| Time Start | Time Finish | | | | |
| <u>0805</u> | <u>0920</u> | | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature (°C) | Acceptance Criteria | Reference |
| Specific Conductance (µS/cm) | 4,490 | <u>4576.2</u> | <u>24.42</u> | ± 10% of standard | EPA 2023 |
| pH (SU) | 4.00 | <u>4.02</u> | <u>24.42</u> | ± 0.1 | GWMP |
| pH (SU) | 7.00 | <u>6.98</u> | <u>24.82</u> | ± 0.1 | GWMP |
| pH (SU) | 10.00 | <u>10.05</u> | <u>24.96</u> | ± 0.1 | GWMP |
| D.O. (%) | N/A | <u>98.02</u> | <u>25.06</u> | ± 10% | NA |
| ORP (mV) | 228.0 | <u>230.5</u> | <u>24.90</u> | ± 10 | EPA 2023 |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-----------------|------------|-------------------|---------------------|-----------|
| | <u>20</u> | <u>71.1</u> | | |
| | <u>100</u> | <u>700</u> | | |
| | <u>500</u> | <u>785</u> | | |
| | <u>10</u> | <u>9.86</u> | | |
| | | | ± 10% of standard | EPA 2023 |

| Calibration Check | | | | | |
|------------------------------|-------------|-------------------|---------------------------------------|---------------------|-----------|
| Time Start | Time Finish | | | | |
| <u>1505</u> | <u>1515</u> | | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature (°C) | Acceptance Criteria | Reference |
| Specific Conductance (µS/cm) | 4,490 | <u>4474.8</u> | <u>29.52</u> | ± 10% of standard | EPA 2023 |
| pH (SU) | 4.00 | <u>4.03</u> | <u>29.70</u> | ± 0.1 | GWMP |
| pH (SU) | 7.00 | <u>6.99</u> | <u>29.13</u> | ± 0.1 | GWMP |
| pH (SU) | 10.00 | <u>9.94</u> | <u>28.63</u> | ± 0.1 | GWMP |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-----------------|------------|-------------------|---------------------|-----------|
| | <u>20</u> | <u>20.2</u> | | |
| | <u>100</u> | <u>107</u> | | |
| | <u>500</u> | <u>517</u> | | |
| | <u>10</u> | <u>7.41</u> | | |
| | | | ± 10% of standard | EPA 2023 |

Notes:

Site Name: Plant McDonough

Field Instrumentation Calibration Form

Date: 09/06/23

Calibrated By: P. Wani

Field Conditions: Sunny

| Instrument | Manufacturer Model | Serial Number |
|---------------------|--------------------|---------------|
| Water Quality Meter | Aquathon 400 | 980712 |
| Turbidity Meter | HACH 2100Q | 27090000086 |

| Calibration Standard Information | | | | |
|----------------------------------|----------|----------|--------------------|------------------------------|
| Parameter | Standard | Lot # | Date of Expiration | Brand |
| Specific Conductance (µS/cm) | 4.490 | 24000014 | 05/2024 | Atkuta Instrumentation (AIR) |
| pH (SU) | 4.00 | 24000047 | 05/2024 | AIR |
| pH (SU) | 7.00 | 22290139 | 04/2024 | AIR |
| pH (SU) | 10.00 | 21320202 | 12/2023 | AIR |
| D.O. (%) | N/A | | | |
| ORP (mV) | 228.0 | 21390144 | 11/2023 | AIR |

| Calibration | | | | | |
|------------------------------|-------------|-------------------|---------------------------------------|---------------------|-----------|
| Time Start | Time Finish | | | | |
| 0757 | 0820 | | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature (°C) | Acceptance Criteria | Reference |
| Specific Conductance (µS/cm) | 4.490 | 415.6 | 24.63 | ± 10% of standard | EPA 2023 |
| pH (SU) | 4.00 | 9.404 4.10 | 24.89 25.27 | ± 0.1 | GWMP |
| pH (SU) | 7.00 | 6.99 6.99 | 25.41 25.27 | ± 0.1 | GWMP |
| pH (SU) | 10.00 | 9.99 | 25.41 | ± 0.1 | GWMP |
| D.O. (%) | N/A | 106.70 | 24.96 | ± 10% | NA |
| ORP (mV) | 228.0 | 221.2 | 25.39 | ± 10 | EPA 2023 |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-------------------|----------|-------------------|---------------------|-----------|
| | 20 | 20.1 | | |
| | 100 | 100 | | |
| | 200 | 715 | | |
| | 10 | 9.73 | | |
| ± 10% of standard | | | | |
| EPA 2023 | | | | |

| Calibration Check | | | | | |
|------------------------------|-------------|-------------------|---------------------------------------|---------------------|-----------|
| Time Start | Time Finish | | | | |
| 0950 | 1010 | | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature (°C) | Acceptance Criteria | Reference |
| Specific Conductance (µS/cm) | 4.490 | 450.6 | 40.43 | ± 10% of standard | EPA 2023 |
| pH (SU) | 4.00 | 4.02 | 40.50 | ± 0.1 | GWMP |
| pH (SU) | 7.00 | 6.98 | 38.47 | ± 0.1 | GWMP |
| pH (SU) | 10.00 | 9.93 | 36.60 | ± 0.1 | GWMP |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-------------------|----------|-------------------|---------------------|-----------|
| | 10 | 9.74 | | |
| | | | | |
| | | | | |
| | | | | |
| ± 10% of standard | | | | |
| EPA 2023 | | | | |

Notes:

Site Name: PICANT NE DONGYU
 Calibrated By: P WANI

Field Instrumentation Calibration Form

Date: 09/07/23
 Field Conditions: SUNNY 25°C

| Instrument | Manufacturer/ Model | Serial Number |
|---------------------|---------------------|--------------------|
| Water Quality Meter | <u>ATENA 400</u> | <u>980712</u> |
| Turbidity Meter | <u>HACH 2100</u> | <u>73090000086</u> |

| Calibration Standard Information | | | | |
|--|----------|------------------|--------------------|---|
| Parameter | Standard | Lot# | Date of Expiration | Brand |
| Specific Conductance ($\mu\text{S}/\text{cm}$) | 4.490 | <u>211000044</u> | <u>05/2024</u> | <u>Atlanta Instrument Pentair (ATA)</u> |
| pH (SU) | 4.00 | <u>24000044</u> | <u>05/2024</u> | <u>AIR</u> |
| pH (SU) | 7.00 | <u>22290139</u> | <u>04/2024</u> | <u>AIR</u> |
| pH (SU) | 10.00 | <u>11320202</u> | <u>12/2022</u> | <u>AIR</u> |
| D.O. (%) | N/A | | | |
| ORP (mV) | 228.0 | <u>21390144</u> | <u>11/2023</u> | <u>AIR</u> |

| Calibration | | | | | |
|--|-------------|-------------------|---|------------------------|-----------|
| Time Start | Time Finish | | | | |
| <u>0935</u> | <u>0930</u> | | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature ($^{\circ}\text{C}$) | Acceptance Criteria | Reference |
| Specific Conductance ($\mu\text{S}/\text{cm}$) | 4.490 | <u>4477.7</u> | <u>22.82</u> | $\pm 10\%$ of standard | EPA 2023 |
| pH (SU) | 4.00 | <u>6.99</u> | <u>26.41</u> | ± 0.1 | GWMP |
| pH (SU) | 7.00 | <u>6.99</u> | <u>26.54</u> | ± 0.1 | GWMP |
| pH (SU) | 10.00 | <u>10.00</u> | <u>26.17</u> | ± 0.1 | GWMP |
| D.O. (%) | N/A | <u>99.71</u> | <u>26.36</u> | $\pm 10\%$ | NA |
| ORP (mV) | 228.0 | <u>223.9</u> | <u>27.26</u> | ± 10 | EPA 2023 |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-----------------|------------|-------------------|---------------------|-----------|
| | <u>20</u> | <u>21.4</u> | | |
| | <u>100</u> | <u>104</u> | | |
| | <u>200</u> | <u>207</u> | | |
| | <u>10</u> | <u>8.45</u> | | |

| Calibration Check | | | | | |
|--|-------------|-------------------|---|------------------------|-----------|
| Time Start | Time Finish | | | | |
| <u>1500</u> | <u>1515</u> | | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature ($^{\circ}\text{C}$) | Acceptance Criteria | Reference |
| Specific Conductance ($\mu\text{S}/\text{cm}$) | 4.490 | <u>4556.3</u> | <u>37.54</u> | $\pm 10\%$ of standard | EPA 2023 |
| pH (SU) | 4.00 | <u>4.04</u> | <u>37.90</u> | ± 0.1 | GWMP |
| pH (SU) | 7.00 | <u>7.00</u> | <u>36.31</u> | ± 0.1 | GWMP |
| pH (SU) | 10.00 | <u>9.95</u> | <u>34.62</u> | ± 0.1 | GWMP |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-----------------|-----------|-------------------|---------------------|-----------|
| | <u>10</u> | <u>9.73</u> | | |
| | | | | |
| | | | | |
| | | | | |

Notes:

Site Name: Prest McDonough

Field Instrumentation Calibration Form

Date: 09/08/23

Calibrated By: P. Wahi

Field Conditions: Sunny 65°F

| Instrument | Manufacturer/Model | Serial Number |
|---------------------|----------------------|--------------------|
| Water Quality Meter | <u>HANNA HI 9142</u> | <u>980712</u> |
| Turbidity Meter | <u>HANNA HI 9142</u> | <u>22090000096</u> |

| Calibration Standard Information | | | | |
|----------------------------------|----------|----------------|--------------------|--------------------------------|
| Parameter | Standard | Lot # | Date of Expiration | Brand |
| Specific Conductance (µS/cm) | 4,490 | <u>2400004</u> | <u>05/2024</u> | <u>ATOMIC INSTRUMENT (ATA)</u> |
| pH (SU) | 4.00 | <u>2400004</u> | <u>05/2024</u> | <u>ATC</u> |
| pH (SU) | 7.00 | <u>2229034</u> | <u>01/2024</u> | <u>ATC</u> |
| pH (SU) | 10.00 | <u>2320202</u> | <u>12/2023</u> | <u>ATC</u> |
| D.O. (%) | N/A | — | — | — |
| ORP (mV) | 228.0 | <u>2139014</u> | <u>4/2023</u> | <u>ATC</u> |

| Calibration | | | | | |
|------------------------------|-------------|-------------------|---------------------------------------|---------------------|-----------|
| Time Start | Time Finish | | | | |
| <u>0800</u> | <u>0830</u> | | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature (°C) | Acceptance Criteria | Reference |
| Specific Conductance (µS/cm) | 4,490 | <u>4407.8</u> | <u>25.34</u> | ± 10% of standard | EPA 2023 |
| pH (SU) | 4.00 | <u>4.06</u> | <u>25.24</u> | ± 0.1 | GWMP |
| pH (SU) | 7.00 | <u>6.97</u> | <u>25.05</u> | ± 0.1 | GWMP |
| pH (SU) | 10.00 | <u>9.96</u> | <u>25.94</u> | ± 0.1 | GWMP |
| D.O. (%) | N/A | <u>100.31</u> | <u>23.83</u> | ± 10% | NA |
| ORP (mV) | 228.0 | <u>230.1</u> | <u>25.64</u> | ± 10 | EPA 2023 |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-----------------|------------|-------------------|---------------------|-----------|
| | <u>20</u> | <u>20.6</u> | | |
| | <u>100</u> | <u>99.3</u> | | |
| | <u>200</u> | <u>200</u> | | |
| | <u>10</u> | <u>8.40</u> | | |
| | | | ± 10% of standard | EPA 2023 |

| Calibration Check | | | | | |
|------------------------------|-------------|-------------------|---------------------------------------|---------------------|-----------|
| Time Start | Time Finish | | | | |
| <u>1251</u> | <u>1300</u> | | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature (°C) | Acceptance Criteria | Reference |
| Specific Conductance (µS/cm) | 4,490 | | | ± 10% of standard | EPA 2023 |
| pH (SU) | 4.00 | <u>4.01</u> | <u>36.54</u> | ± 0.1 | GWMP |
| pH (SU) | 7.00 | <u>6.99</u> | <u>34.21</u> | ± 0.1 | GWMP |
| pH (SU) | 10.00 | <u>9.94</u> | <u>32.06</u> | ± 0.1 | GWMP |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-----------------|----------|-------------------|---------------------|-----------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | ± 10% of standard | EPA 2023 |

Notes:

Site Name: Pine + McDonough

Field Instrumentation Calibration Form

Date: 9/11/23

Calibrated By: P. Wahl

Field Conditions: Sunny 68°F

| Instrument | Manufacturer/ Model | Serial Number |
|---------------------|---------------------|---------------|
| Water Quality Meter | Aquatic 11400 | 980712 |
| Turbidity Meter | HACH 2100Q | 2294000086 |

| Calibration Standard Information | | | | |
|----------------------------------|----------|----------|--------------------|---------------------------|
| Parameter | Standard | Lot # | Date of Expiration | Brand |
| Specific Conductance (µS/cm) | 4.490 | 21000014 | 05/2024 | AMORTH SYSTEMS BEST (AZR) |
| pH (SU) | 4.00 | 24000044 | 05/2024 | AIR |
| pH (SU) | 7.00 | 2290139 | 04/2024 | AIR |
| pH (SU) | 10.00 | 21320202 | 12/2023 | AIR |
| D.O. (%) | N/A | | | |
| ORP (mV) | 228.0 | 21390144 | 11/2023 | AIR |

| Calibration | | | | | |
|------------------------------|-------------|-------------------|---------------------------------------|---------------------|-----------|
| Time Start | Time Finish | | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature (°C) | Acceptance Criteria | Reference |
| Specific Conductance (µS/cm) | 4.490 | 4464.7 | 22.00 | ± 10% of standard | EPA 2023 |
| pH (SU) | 4.00 | 4.02 | 22.01 | ± 0.1 | GWMP |
| pH (SU) | 7.00 | 7.01 | 22.04 | ± 0.1 | GWMP |
| pH (SU) | 10.00 | 9.99 | 22.08 | ± 0.1 | GWMP |
| D.O. (%) | N/A | 99.04 | 21.92 | ± 10% | NA |
| ORP (mV) | 228.0 | 233.8 | 22.05 | ± 10 | EPA 2023 |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-----------------|----------|-------------------|---------------------|-----------|
| | 20 | 19.9 | | |
| | 100 | 100 | | |
| | 200 | 787 | | |
| | 10 | 9.69 | | |
| | | | ± 10% of standard | EPA 2023 |

| Calibration Check | | | | | |
|------------------------------|-------------|-------------------|---------------------------------------|---------------------|-----------|
| Time Start | Time Finish | | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature (°C) | Acceptance Criteria | Reference |
| Specific Conductance (µS/cm) | 4.490 | 4466.6 | 40.23 | ± 10% of standard | EPA 2023 |
| pH (SU) | 4.00 | 4.02 | 40.12 | ± 0.1 | GWMP |
| pH (SU) | 7.00 | 7.00 | 37.64 | ± 0.1 | GWMP |
| pH (SU) | 10.00 | 9.96 | 34.42 | ± 0.1 | GWMP |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-----------------|----------|-------------------|---------------------|-----------|
| | 10 | 9.70 | | |
| | | | | |
| | | | | |
| | | | | |
| | | | ± 10% of standard | EPA 2023 |

Notes:

Site Name: Plant McDonough

Field Instrumentation Calibration Form

Date: 9/12/23

Calibrated By: P. Wade

Field Conditions: Sunny 20°F

| Instrument | Manufacturer/Model | Serial Number |
|---------------------|--------------------|---------------|
| Water Quality Meter | HANNA HQ14 | 020712 |
| Turbidity Meter | HACH 2100d | 220100000088 |

| Calibration Standard Information | | | | |
|----------------------------------|----------|-----------|--------------------|------------------|
| Parameter | Standard | Lot # | Date of Expiration | Brand |
| Specific Conductance (µS/cm) | 4,490 | 24000044 | 05/2024 | HANNA INSTRUMENT |
| pH (SU) | 4.00 | 24000044 | 05/2024 | AIR |
| pH (SU) | 7.00 | 22290134 | 04/2024 | AIR |
| pH (SU) | 10.00 | 2130202 | 12/2023 | AIR |
| D.O. (%) | N/A | | | |
| ORP (mV) | 228.0 | 213020144 | 11/2023 | AIR |

Revised (AIR)

| Calibration | | | | | |
|------------------------------|----------|-------------------------|---------------------------------------|---------------------|-----------|
| Time Start <u>0740</u> | | Time Finish <u>0800</u> | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature (°C) | Acceptance Criteria | Reference |
| Specific Conductance (µS/cm) | 4,490 | 4513.2 | 21.92 | ± 10% of standard | EPA 2023 |
| pH (SU) | 4.00 | 4.00 | 24.32 | ± 0.1 | GWMP |
| pH (SU) | 7.00 | 6.45 | 24.92 | ± 0.1 | GWMP |
| pH (SU) | 10.00 | 10.00 | 25.16 | ± 0.1 | GWMP |
| D.O. (%) | N/A | 101.44 | 24.62 | ± 10% | NA |
| ORP (mV) | 228.0 | 221.9 | 25.18 | ± 10 | EPA 2023 |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-----------------|----------|-------------------|---------------------|-----------|
| | 20 | 20.1 | | |
| | 100 | 101 | | |
| | 200 | 203 | | |
| | 10 | 9.74 | | |

| Calibration Check | | | | | |
|------------------------------|----------|-------------------------|---------------------------------------|---------------------|-----------|
| Time Start <u>1245</u> | | Time Finish <u>1250</u> | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature (°C) | Acceptance Criteria | Reference |
| Specific Conductance (µS/cm) | 4,490 | 4618.1 | 32.20 | ± 10% of standard | EPA 2023 |
| pH (SU) | 4.00 | 4.04 | 34.06 | ± 0.1 | GWMP |
| pH (SU) | 7.00 | 7.05 | 33.99 | ± 0.1 | GWMP |
| pH (SU) | 10.00 | 9.98 | 33.05 | ± 0.1 | GWMP |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-----------------|----------|-------------------|---------------------|-----------|
| | 10 | 9.45 | | |
| | | | | |
| | | | | |
| | | | | |

Notes:

Site Name: Plant McDonough

Field Instrumentation Calibration Form

Date: 9/13/23

Calibrated By: P. Wahi

Field Conditions: 61034 70°F

| Instrument | Manufacturer/Model | Serial Number |
|---------------------|--------------------|---------------|
| Water Quality Meter | RAMMATION 1100 | 480712 |
| Turbidity Meter | HALA 2100Q | 120960000026 |

| Calibration Standard Information | | | | |
|----------------------------------|----------|---------|--------------------|----------------------------------|
| Parameter | Standard | Lot # | Date of Expiration | Brand |
| Specific Conductance (µS/cm) | 4,490 | 2400044 | 05/2024 | Atlanta Instrument (Atlanta AZR) |
| pH (SU) | 4.00 | 2400044 | 05/2024 | AZR |
| pH (SU) | 7.00 | 2290139 | 04/2024 | AZR |
| pH (SU) | 10.00 | 2130202 | 12/2023 | AZR |
| D.O. (%) | N/A | | | |
| ORP (mV) | 228.0 | 2000144 | 11/2023 | AZR |

| Calibration | | | | | |
|------------------------------|-------------|-------------------|---------------------------------------|---------------------|-----------|
| Time Start | Time Finish | | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature (°C) | Acceptance Criteria | Reference |
| Specific Conductance (µS/cm) | 4,490 | 4455.1 | 22.79 | ± 10% of standard | EPA 2023 |
| pH (SU) | 4.00 | 4.03 | 22.79 | ± 0.1 | GWMP |
| pH (SU) | 7.00 | 6.98 | 23.45 | ± 0.1 | GWMP |
| pH (SU) | 10.00 | 10.01 | 23.88 | ± 0.1 | GWMP |
| D.O. (%) | N/A | 87.30 | 23.25 | ± 10% | NA |
| ORP (mV) | 228.0 | 229.3 | 24.09 | ± 10 | EPA 2023 |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-----------------|----------|-------------------|---------------------|-----------|
| | 10 | 9.70 | | |
| | 20 | 19.8 | | |
| | 100 | 99.7 | | |
| | 200 | 76.7 | | |

| Calibration Check | | | | | |
|------------------------------|-------------|-------------------|---------------------------------------|---------------------|-----------|
| Time Start | Time Finish | | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature (°C) | Acceptance Criteria | Reference |
| Specific Conductance (µS/cm) | 4,490 | 4444.0 | 32.90 | ± 10% of standard | EPA 2023 |
| pH (SU) | 4.00 | 4.04 | 32.79 | ± 0.1 | GWMP |
| pH (SU) | 7.00 | 7.06 | 21.20 | ± 0.1 | GWMP |
| pH (SU) | 10.00 | 9.97 | 30.49 | ± 0.1 | GWMP |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-----------------|----------|-------------------|---------------------|-----------|
| | 10 | 9.54 | | |
| | | | | |
| | | | | |
| | | | | |

Notes:

Site Name: PLANT McDONOUGH

Field Instrumentation Calibration Form

Date: 09/06/23

Calibrated By: M. MANN

Field Conditions: NORMAL

| Instrument | Manufacturer/ Model | Serial Number |
|---------------------|---------------------|---------------|
| Water Quality Meter | HA-914 | 965586 |
| Turbidity Meter | HACH 2100g | 12090C017305 |

| Calibration Standard Information | | | | |
|----------------------------------|----------|----------|--------------------|-------|
| Parameter | Standard | Lot # | Date of Expiration | Brand |
| Specific Conductance (µS/cm) | 4,490 | 24000844 | 05/2024 | ATR |
| pH (SU) | 4.00 | 2400044 | 05/2024 | |
| pH (SU) | 7.00 | 229039 | 04/2024 | |
| pH (SU) | 10.00 | 2211030 | 04/2024 | |
| D.O. (%) | N/A | | | |
| ORP (mV) | 228.0 | 24002258 | 06/2024 | |

| Calibration | | | | | |
|------------------------------|-------------|----------------------|---------------------------------------|---------------------|-----------|
| Time Start | Time Finish | | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature (°C) | Acceptance Criteria | Reference |
| Specific Conductance (µS/cm) | 4,490 | 4158.8 | 24.84 | ± 10% of standard | EPA 2023 |
| pH (SU) | 4.00 | 4.05 | 25.02 | ± 0.1 | GWMP |
| pH (SU) | 7.00 | 6.92 7.07 | 25.28 | ± 0.1 | GWMP |
| pH (SU) | 10.00 | 10.00 | 25.82 | ± 0.1 | GWMP |
| D.O. (%) | N/A | 100.08 | 25.84 | ± 10% | NA |
| ORP (mV) | 228.0 | 223.5 | 25.75 | ± 10 | EPA 2023 |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-----------------|----------|-------------------|---------------------|-----------|
| | 19.8 | 20 | | |
| | 101 | 100 | | |
| | 792 | 800 | | |
| | 9.87 | 10 | | |

| Calibration Check | | | | | |
|------------------------------|-------------|-------------------|---------------------------------------|---------------------|-----------|
| Time Start | Time Finish | | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature (°C) | Acceptance Criteria | Reference |
| Specific Conductance (µS/cm) | 4,490 | 4095.5 | 32.04 | ± 10% of standard | EPA 2023 |
| pH (SU) | 4.00 | 4.03 | 32.04 | ± 0.1 | GWMP |
| pH (SU) | 7.00 | 6.97 | 32.17 | ± 0.1 | GWMP |
| pH (SU) | 10.00 | 9.93 | 32.44 | ± 0.1 | GWMP |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-----------------|----------|-------------------|---------------------|-----------|
| | 10 | 9.95 | | |
| | 20 | 19.5 | | |
| | 100 | 105 | | |
| | 800 | 781 | | |

Notes:

Site Name: PLANT McDONOUGH

Field Instrumentation Calibration Form

Date: 09/07/23

Calibrated By: M. MANN

Field Conditions: GOOD

| Instrument | Manufacturer/ Model | Serial Number |
|---------------------|---------------------|-------------------|
| Water Quality Meter | <u>IN-5.20</u> | <u>965586</u> |
| Turbidity Meter | <u>HACH 2100Q</u> | <u>1205001725</u> |

| Calibration Standard Information | | | | |
|----------------------------------|----------|-----------------|--------------------|------------|
| Parameter | Standard | Lot # | Date of Expiration | Brand |
| Specific Conductance (µS/cm) | 4.490 | <u>24000044</u> | <u>05/2024</u> | <u>A2R</u> |
| pH (SU) | 4.00 | ↓ | ↓ | ↓ |
| pH (SU) | 7.00 | <u>2290139</u> | <u>04/2024</u> | ↓ |
| pH (SU) | 10.00 | <u>2210130</u> | <u>04/2024</u> | ↓ |
| D.O. (%) | N/A | ↓ | ↓ | ↓ |
| ORP (mV) | 228.0 | <u>24000250</u> | <u>06/2024</u> | ↓ |

| Calibration | | | | | |
|------------------------------|-------------|-------------------|---------------------------------------|---------------------|-----------|
| Time Start | Time Finish | | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature (°C) | Acceptance Criteria | Reference |
| Specific Conductance (µS/cm) | 4.490 | <u>4227.5</u> | <u>23.20</u> | ± 10% of standard | EPA 2023 |
| pH (SU) | 4.00 | <u>4.07</u> | <u>23.24</u> | ± 0.1 | GWMP |
| pH (SU) | 7.00 | <u>6.92</u> | <u>23.92</u> | ± 0.1 | GWMP |
| pH (SU) | 10.00 | <u>9.97</u> | <u>24.42</u> | ± 0.1 | GWMP |
| D.O. (%) | N/A | <u>99.12</u> | <u>25.52</u> | ± 10% | NA |
| ORP (mV) | 228.0 | <u>230.7</u> | <u>24.62</u> | ± 10 | EPA 2023 |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-----------------|----------|-------------------|---------------------|-----------|
| | 20 | <u>19.9</u> | | |
| | 100 | <u>97.8</u> | | |
| | 800 | <u>801</u> | | |
| | 10 | <u>9.84</u> | | |
| | | | ± 10% of standard | EPA 2023 |

| Calibration Check | | | | | |
|------------------------------|-------------|-------------------|---------------------------------------|---------------------|-----------|
| Time Start | Time Finish | | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature (°C) | Acceptance Criteria | Reference |
| Specific Conductance (µS/cm) | 4.490 | <u>4424.2</u> | <u>31.28</u> | ± 10% of standard | EPA 2023 |
| pH (SU) | 4.00 | <u>4.02</u> | <u>31.28</u> | ± 0.1 | GWMP |
| pH (SU) | 7.00 | <u>7.01</u> | <u>31.46</u> | ± 0.1 | GWMP |
| pH (SU) | 10.00 | <u>9.93</u> | <u>30.54</u> | ± 0.1 | GWMP |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-----------------|----------|-------------------|---------------------|-----------|
| | 10 | <u>10.2</u> | | |
| | 20 | <u>20.9</u> | | |
| | 100 | <u>109</u> | | |
| | 800 | <u>795</u> | | |
| | | | ± 10% of standard | EPA 2023 |

Notes:

Site Name: PLANT McDONOUGH
M. MANN

Field Instrumentation Calibration Form

Date: 09/08/23

Field Conditions: GOOD

| Instrument | Manufacturer/ Model | Serial Number |
|---------------------|---------------------|---------------|
| Water Quality Meter | In-Situ Analytical | 725586 |
| Turbidity Meter | HACH 2100D | 170500017705 |

| Calibration Standard Information | | | | |
|---|----------|----------|--------------------|-------|
| Parameter | Standard | Lot # | Date of Expiration | Brand |
| Specific Conductance ($\mu\text{S/cm}$) | 4.490 | 2900044 | 05/2024 | AIR |
| pH (SU) | 4.00 | ↓ | ↓ | ↓ |
| pH (SU) | 7.00 | 2290139 | 2290139 04/2024 | ↓ |
| pH (SU) | 10.00 | 22110130 | 04/2024 | ↓ |
| D.O. (%) | N/A | | | ↓ |
| ORP (mV) | 228.0 | 24002258 | 06/2024 | ↓ |

| Calibration | | | | | |
|---|-------------|-------------------|---------------------------------------|------------------------|-----------|
| Time Start | Time Finish | | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature (°C) | Acceptance Criteria | Reference |
| Specific Conductance ($\mu\text{S/cm}$) | 4.490 | 4318.3 | 22.68 | $\pm 10\%$ of standard | EPA 2023 |
| pH (SU) | 4.00 | 3.99 | 23.68 | ± 0.1 | GWMP |
| pH (SU) | 7.00 | 6.98 | 23.47 | ± 0.1 | GWMP |
| pH (SU) | 10.00 | 9.96 | 23.62 | ± 0.1 | GWMP |
| D.O. (%) | N/A | 88.48 | 22.08 | $\pm 10\%$ | NA |
| ORP (mV) | 228.0 | 228.1 | 23.57 | ± 10 | EPA 2023 |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-----------------|----------|-------------------|---------------------|-----------|
| | 20 | 19.7 | | |
| | 100 | 101 | | |
| | 800 | 798 | | |
| | 10 | 10.2 | | |

| Calibration Check | | | | | |
|---|-------------|-------------------|---------------------------------------|------------------------|-----------|
| Time Start | Time Finish | | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature (°C) | Acceptance Criteria | Reference |
| Specific Conductance ($\mu\text{S/cm}$) | 4.490 | | | $\pm 10\%$ of standard | EPA 2023 |
| pH (SU) | 4.00 | | | ± 0.1 | GWMP |
| pH (SU) | 7.00 | | | ± 0.1 | GWMP |
| pH (SU) | 10.00 | | | ± 0.1 | GWMP |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-----------------|----------|-------------------|---------------------|-----------|
| | | | | |
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| | | | | |

Notes:

Site Name: PLANT McDONOUGH Field Instrumentation Calibration Form

Date: 09/11/23

Calibrated By: M. MANN

Field Conditions: GOOD

| Instrument | Manufacturer/ Model | Serial Number |
|---------------------|---------------------|---------------|
| Water Quality Meter | In-7-7-A Qtotal | 965586 |
| Turbidity Meter | HACH 2100Q | 12050017705 |

| Calibration Standard Information | | | | |
|----------------------------------|----------|----------|--------------------|-------|
| Parameter | Standard | Lot # | Date of Expiration | Brand |
| Specific Conductance (µS/cm) | 4,490 | 2400044 | 05/2024 | AIR |
| pH (SU) | 4.00 | ✓ | ↓ | ↓ |
| pH (SU) | 7.00 | 2290139 | 04/2024 | ↓ |
| pH (SU) | 10.00 | 22110130 | 04/2024 | ↓ |
| D.O. (%) | N/A | ✓ | ↓ | ↓ |
| ORP (mV) | 228.0 | 2400228B | 06/2024 | ↓ |

| Calibration | | | | | |
|------------------------------|-------------|-------------------|---------------------------------------|---------------------|-----------|
| Time Start | Time Finish | | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature (°C) | Acceptance Criteria | Reference |
| Specific Conductance (µS/cm) | 4,490 | 4341.7 | 22.98 | ± 10% of standard | EPA 2023 |
| pH (SU) | 4.00 | 4.03 | 22.98 | ± 0.1 | GWMP |
| pH (SU) | 7.00 | 7.01 | 23.13 | ± 0.1 | GWMP |
| pH (SU) | 10.00 | 10.06 | 23.29 | ± 0.1 | GWMP |
| D.O. (%) | N/A | 100.16 | 23.25 | ± 10% | NA |
| ORP (mV) | 228.0 | 228.0 | 22.38 | ± 10 | EPA 2023 |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-----------------|----------|-------------------|---------------------|-----------|
| | 20 | 21.9 | | |
| | 100 | 10.5 | | |
| | 800 | 0.23 | | |
| | 10 | 9.94 | | |

| Calibration Check | | | | | |
|------------------------------|-------------|-------------------|---------------------------------------|---------------------|-----------|
| Time Start | Time Finish | | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature (°C) | Acceptance Criteria | Reference |
| Specific Conductance (µS/cm) | 4,490 | 4243.0 | 33.81 | ± 10% of standard | EPA 2023 |
| pH (SU) | 4.00 | 4.07 | 33.81 | ± 0.1 | GWMP |
| pH (SU) | 7.00 | 7.05 | 32.55 | ± 0.1 | GWMP |
| pH (SU) | 10.00 | 9.92 | 33.82 | ± 0.1 | GWMP |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-----------------|----------|-------------------|---------------------|-----------|
| | 10 | 9.32 | | |
| | 20 | 14.8 | | |
| | 100 | 94.1 | | |
| | 800 | 7.88 | | |

Notes:

Site Name: PLANT McDONOUGH

Field Instrumentation Calibration Form

Date: 9/12/23

Calibrated By: M. MANN

Field Conditions: GOOD

| Instrument | Manufacturer/ Model | Serial Number |
|---------------------|---------------------|---------------------|
| Water Quality Meter | <u>HI-552 A</u> | <u>865586</u> |
| Turbidity Meter | <u>HA14 2100R</u> | <u>120500017308</u> |

| Calibration Standard Information | | | | |
|--|----------|-----------------|--------------------|------------|
| Parameter | Standard | Lot # | Date of Expiration | Brand |
| Specific Conductance ($\mu\text{S}/\text{cm}$) | 4.490 | <u>24000044</u> | <u>05/2024</u> | <u>AIR</u> |
| pH (SU) | 4.00 | <u>24000044</u> | <u>05/2024</u> | |
| pH (SU) | 7.00 | <u>22110130</u> | <u>04/2024</u> | |
| pH (SU) | 10.00 | <u>22110130</u> | <u>04/2024</u> | |
| D.O. (%) | N/A | | | |
| ORP (mV) | 228.0 | <u>24002258</u> | <u>06/2024</u> | |

Lot # 2290139

| Calibration | | | | | |
|--|-------------|-------------------|---|------------------------|-----------|
| Time Start | Time Finish | | | | |
| <u>910</u> | | | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature ($^{\circ}\text{C}$) | Acceptance Criteria | Reference |
| Specific Conductance ($\mu\text{S}/\text{cm}$) | 4.490 | <u>4529.4</u> | <u>24.10</u> | $\pm 10\%$ of standard | EPA 2023 |
| pH (SU) | 4.00 | <u>4.03</u> | <u>24.12</u> | ± 0.1 | GWMP |
| pH (SU) | 7.00 | <u>6.98</u> | <u>25.00</u> | ± 0.1 | GWMP |
| pH (SU) | 10.00 | <u>9.91</u> | <u>25.55</u> | ± 0.1 | GWMP |
| D.O. (%) | N/A | <u>104.05</u> | <u>25.32</u> | $\pm 10\%$ | NA |
| ORP (mV) | 228.0 | <u>223.5</u> | <u>25.59</u> | ± 10 | EPA 2023 |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-----------------|------------|-------------------|------------------------|-----------|
| | <u>20</u> | <u>22.0</u> | | |
| | <u>100</u> | <u>109</u> | | |
| | <u>800</u> | <u>822</u> | | |
| | <u>10</u> | <u>9.86</u> | $\pm 10\%$ of standard | EPA 2023 |

| Calibration Check | | | | | |
|--|-------------|-------------------|---|------------------------|-----------|
| Time Start | Time Finish | | | | |
| <u>1447</u> | | | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature ($^{\circ}\text{C}$) | Acceptance Criteria | Reference |
| Specific Conductance ($\mu\text{S}/\text{cm}$) | 4.490 | <u>4435.4</u> | <u>32.20</u> | $\pm 10\%$ of standard | EPA 2023 |
| pH (SU) | 4.00 | <u>4.09</u> | <u>↓</u> | ± 0.1 | GWMP |
| pH (SU) | 7.00 | <u>7.00</u> | <u>32.00</u> | ± 0.1 | GWMP |
| pH (SU) | 10.00 | <u>9.94</u> | <u>31.48</u> | ± 0.1 | GWMP |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-----------------|------------|-------------------|------------------------|-----------|
| | <u>10</u> | <u>10.5</u> | | |
| | <u>20</u> | <u>20.1</u> | | |
| | <u>800</u> | <u>746</u> | | |
| | <u>100</u> | <u>93.2</u> | $\pm 10\%$ of standard | EPA 2023 |

Notes:

Site Name: PLANT McDONOUGH Field Instrumentation Calibration Form

Date: 9/13/23

Calibrated By: M. MANN

Field Conditions: GOOD

| Instrument | Manufacturer/ Model | Serial Number |
|---------------------|-----------------------|--------------------|
| Water Quality Meter | <u>IN-5000 AMTROL</u> | <u>965586</u> |
| Turbidity Meter | <u>LAIR HODG</u> | <u>10040611709</u> |

22090000235
M.M.

| Calibration Standard Information | | | | |
|----------------------------------|----------|-----------------|--------------------|------------|
| Parameter | Standard | Lot # | Date of Expiration | Brand |
| Specific Conductance (µS/cm) | 4.490 | <u>2400044</u> | <u>05/2024</u> | <u>AER</u> |
| pH (SU) | 4.00 | <u>↓</u> | <u>↓</u> | <u>↓</u> |
| pH (SU) | 7.00 | <u>2290139</u> | <u>04/2024</u> | <u>↓</u> |
| pH (SU) | 10.00 | <u>22110130</u> | <u>04/2024</u> | <u>↓</u> |
| D.O. (%) | N/A | | | <u>↓</u> |
| ORP (mV) | 228.0 | <u>2400258</u> | <u>06/2024</u> | <u>↓</u> |

| Calibration | | | | | |
|------------------------------|-------------|-------------------|---------------------------------------|---------------------|-----------|
| Time Start | Time Finish | | | | |
| <u>855</u> | <u>913</u> | | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature (°C) | Acceptance Criteria | Reference |
| Specific Conductance (µS/cm) | 4.490 | <u>4368.8</u> | <u>24.00</u> | ± 10% of standard | EPA 2023 |
| pH (SU) | 4.00 | <u>4.08</u> | <u>24.55</u> | ± 0.1 | GWMP |
| pH (SU) | 7.00 | <u>6.96</u> | <u>24.86</u> | ± 0.1 | GWMP |
| pH (SU) | 10.00 | <u>9.98</u> | <u>25.21</u> | ± 0.1 | GWMP |
| D.O. (%) | N/A | <u>90.42</u> | <u>24.41</u> | ± 10% | NA |
| ORP (mV) | 228.0 | <u>225.4</u> | <u>25.42</u> | ± 10 | EPA 2023 |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-----------------|------------|-------------------|---------------------|-----------|
| | <u>20</u> | <u>20.1</u> | ± 10% of standard | EPA 2023 |
| | <u>100</u> | <u>99.7</u> | | |
| | <u>800</u> | <u>79.7</u> | | |
| | <u>10</u> | <u>9.79</u> | | |

| Calibration Check | | | | | |
|------------------------------|-------------|-------------------|---------------------------------------|---------------------|-----------|
| Time Start | Time Finish | | | | |
| | | | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature (°C) | Acceptance Criteria | Reference |
| Specific Conductance (µS/cm) | 4.490 | <u>4383.4</u> | <u>33.79</u> | ± 10% of standard | EPA 2023 |
| pH (SU) | 4.00 | <u>4.02</u> | <u>↓</u> | ± 0.1 | GWMP |
| pH (SU) | 7.00 | <u>7.01</u> | <u>32.56</u> | ± 0.1 | GWMP |
| pH (SU) | 10.00 | <u>9.91</u> | <u>31.57</u> | ± 0.1 | GWMP |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-----------------|------------|-------------------|---------------------|-----------|
| | <u>10</u> | <u>10.2</u> | ± 10% of standard | EPA 2023 |
| | <u>20</u> | <u>20.7</u> | | |
| | <u>80</u> | <u>99.3</u> | | |
| | <u>100</u> | <u>790</u> | | |

Notes:

Site Name: PLANT McDONOUGH Field Instrumentation Calibration Form

Date: 9/14/23

Calibrated By: M. MANN

Field Conditions: GOOD

| Instrument | Manufacturer/ Model | Serial Number |
|---------------------|---------------------|---------------|
| Water Quality Meter | IN-SITU ANALYSIS | 905586 |
| Turbidity Meter | HACH 21000 | 22090D000139 |

| Calibration Standard Information | | | | |
|----------------------------------|----------|----------|--------------------|-------|
| Parameter | Standard | Lot # | Date of Expiration | Brand |
| Specific Conductance (µS/cm) | 4.490 | 24000444 | 05/2024 | ATR |
| pH (SU) | 4.00 | ✓ | ✓ | ↓ |
| pH (SU) | 7.00 | 229039 | 04/2024 | ↓ |
| pH (SU) | 10.00 | 221010 | 04/2024 | ↓ |
| D.O. (%) | N/A | ✓ | ✓ | ↓ |
| ORP (mV) | 228.0 | 24002358 | 06/2024 | ↓ |

| Calibration | | | | | |
|------------------------------|-------------|-------------------|---------------------------------------|---------------------|-----------|
| Time Start | Time Finish | | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature (°C) | Acceptance Criteria | Reference |
| Specific Conductance (µS/cm) | 4.490 | 4360.7 | 23.66 | ± 10% of standard | EPA 2023 |
| pH (SU) | 4.00 | 3.99 | 23.70 | ± 0.1 | GWMP |
| pH (SU) | 7.00 | 6.98 | 24.51 | ± 0.1 | GWMP |
| pH (SU) | 10.00 | 9.93 | 25.14 | ± 0.1 | GWMP |
| D.O. (%) | N/A | 79.28 | 24.51 | ± 10% | NA |
| ORP (mV) | 228.0 | 219.4 | 25.14 | ± 10 | EPA 2023 |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-----------------|----------|-------------------|---------------------|-----------|
| | 2.0 | 20.0 | | |
| | 100 | 101 | | |
| | 800 | 805 | | |
| | 10 | 9.84 | | |
| | | | ± 10% of standard | EPA 2023 |

| Calibration Check | | | | | |
|------------------------------|-------------|-------------------|---------------------------------------|---------------------|-----------|
| Time Start | Time Finish | | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature (°C) | Acceptance Criteria | Reference |
| Specific Conductance (µS/cm) | 4.490 | | | ± 10% of standard | EPA 2023 |
| pH (SU) | 4.00 | | | ± 0.1 | GWMP |
| pH (SU) | 7.00 | | | ± 0.1 | GWMP |
| pH (SU) | 10.00 | | | ± 0.1 | GWMP |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-----------------|----------|-------------------|---------------------|-----------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | ± 10% of standard | EPA 2023 |

Notes:

Site Name: Plant McDonough
 Calibrated By: Daniel Howard

Field Instrumentation Calibration Form

Date: 9/7/23
 Field Conditions: Clear & Sunny

| Instrument | Manufacturer/ Model | Serial Number |
|---------------------|---------------------|---------------|
| Water Quality Meter | AquaTrail 400 | 850751 |
| Turbidity Meter | Hach 2100 R | 23060D000290 |

| Calibration Standard Information | | | | |
|----------------------------------|----------|----------|--------------------|-------|
| Parameter | Standard | Lot # | Date of Expiration | Brand |
| Specific Conductance (µS/cm) | 4,490 | 24000044 | 5/24 | AIR |
| pH (SU) | 4.00 | 24000044 | 5/24 | ↓ |
| pH (SU) | 7.00 | 22290139 | 4/24 | |
| pH (SU) | 10.00 | 22110130 | 4/24 | |
| D.O. (%) | N/A | | | |
| ORP (mV) | 228.0 | 24002258 | 6/24 | AIR |

| Calibration | | | | | |
|------------------------------|-------------|-------------------|---------------------------------------|---------------------|-----------|
| Time Start | Time Finish | | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature (°C) | Acceptance Criteria | Reference |
| Specific Conductance (µS/cm) | 4,490 | 4,490 | 24.45 | ± 10% of standard | EPA 2023 |
| pH (SU) | 4.00 | 4.00 | 24.77 | ± 0.1 | GWMP |
| pH (SU) | 7.00 | 7.00 | 24.56 | ± 0.1 | GWMP |
| pH (SU) | 10.00 | 10.00 | 24.65 | ± 0.1 | GWMP |
| D.O. (%) | N/A | 7.44 | 23.23 | ± 10% | NA |
| ORP (mV) | 228.0 | 229.7 | 24.52 | ± 10 | EPA 2023 |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-----------------|----------|-------------------|---------------------|-----------|
| | 20 | 20.4 | | |
| | 100 | 101 | | |
| | 800 | 803 | | |
| | 10 | 10.1 | | |

ck std →

| Calibration Check | | | | | |
|------------------------------|-------------|-------------------|---------------------------------------|---------------------|-----------|
| Time Start | Time Finish | | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature (°C) | Acceptance Criteria | Reference |
| Specific Conductance (µS/cm) | 4,490 | 4.53 | 31.44 | ± 10% of standard | EPA 2023 |
| pH (SU) | 4.00 | 4.04 | 31.43 | ± 0.1 | GWMP |
| pH (SU) | 7.00 | 7.03 | 31.47 | ± 0.1 | GWMP |
| pH (SU) | 10.00 | 9.96 | 31.48 | ± 0.1 | GWMP |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-----------------|----------|-------------------|---------------------|-----------|
| | 10 | 10.3 | | |
| | | | | |
| | | | | |
| | | | | |

Notes:

Site Name: Plant McDonough
 Calibrated By: Daniel Howard

Field Instrumentation Calibration Form

Date: 9/8/23

Field Conditions: Partly sunny

| Instrument | Manufacturer/ Model | Serial Number |
|---------------------|----------------------|--------------------|
| Water Quality Meter | <u>AquaTroll 400</u> | <u>850751</u> |
| Turbidity Meter | <u>Hach 2100 Q</u> | <u>23060000290</u> |

| Calibration Standard Information | | | | |
|--|----------|-----------------|--------------------|------------|
| Parameter | Standard | Lot # | Date of Expiration | Brand |
| Specific Conductance ($\mu\text{S}/\text{cm}$) | 4,490 | <u>24000044</u> | <u>5/24</u> | <u>AIR</u> |
| pH (SU) | 4.00 | <u>24000044</u> | <u>5/24</u> | ↓ AIR |
| pH (SU) | 7.00 | <u>22290139</u> | <u>4/24</u> | |
| pH (SU) | 10.00 | <u>22110130</u> | <u>4/24</u> | |
| D.O. (%) | N/A | | | |
| ORP (mV) | 228.0 | <u>24002358</u> | <u>6/24</u> | |

| Calibration | | | | | |
|--|-------------|-------------------------------|---|------------------------|-----------|
| Time Start | Time Finish | | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature ($^{\circ}\text{C}$) | Acceptance Criteria | Reference |
| Specific Conductance ($\mu\text{S}/\text{cm}$) | 4,490 | <u>4490</u> | <u>23.03</u> | $\pm 10\%$ of standard | EPA 2023 |
| pH (SU) | 4.00 | <u>4.00</u> | <u>23.48</u> | ± 0.1 | GWMP |
| pH (SU) | 7.00 | <u>7.00</u> | <u>23.63</u> | ± 0.1 | GWMP |
| pH (SU) | 10.00 | <u>10.00</u> | <u>23.72</u> | ± 0.1 | GWMP |
| D.O. (%) | N/A | <u>17.70</u> 23.17 | <u>20.96</u> | $\pm 10\%$ | NA |
| ORP (mV) | 228.0 | <u>231.1</u> | <u>23.51</u> | ± 10 | EPA 2023 |

| Turbidity (NTU) <i>ck std</i> | Standard | Calibration Value | Acceptance Criteria $\pm 10\%$ of standard | Reference EPA 2023 |
|----------------------------------|------------|-------------------|---|-----------------------|
| | <u>20</u> | <u>20.1</u> | | |
| | <u>100</u> | <u>99.7</u> | | |
| | <u>800</u> | <u>802</u> | | |
| | <u>10</u> | <u>10.2</u> | | |

| Calibration Check | | | | | |
|--|-------------|-------------------|---|------------------------|-----------|
| Time Start | Time Finish | | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature ($^{\circ}\text{C}$) | Acceptance Criteria | Reference |
| Specific Conductance ($\mu\text{S}/\text{cm}$) | 4,490 | <u>4440</u> | <u>24.89</u> | $\pm 10\%$ of standard | EPA 2023 |
| pH (SU) | 4.00 | <u>4.03</u> | <u>24.98</u> | ± 0.1 | GWMP |
| pH (SU) | 7.00 | <u>7.02</u> | <u>24.96</u> | ± 0.1 | GWMP |
| pH (SU) | 10.00 | <u>9.98</u> | <u>24.71</u> | ± 0.1 | GWMP |

| Turbidity (NTU) <i>ck std</i> | Standard | Calibration Value | Acceptance Criteria $\pm 10\%$ of standard | Reference EPA 2023 |
|-------------------------------|-----------|-------------------|---|-----------------------|
| | <u>10</u> | <u>10.2</u> | | |
| | | | | |
| | | | | |

Notes:

Site Name: Plant McDonough
 Calibrated By: Daniel Howard

Field Instrumentation Calibration Form

Date: 9/11/23

Field Conditions: Sunny

| Instrument | Manufacturer/ Model | Serial Number |
|---------------------|---------------------|---------------|
| Water Quality Meter | AquaTron 400 | 850751 |
| Turbidity Meter | Hach 2100Q | 23060D000290 |

| Calibration Standard Information | | | | |
|----------------------------------|----------|----------|--------------------|-------|
| Parameter | Standard | Lot # | Date of Expiration | Brand |
| Specific Conductance (µS/cm) | 4,490 | 24000044 | 5/24 | AI A |
| pH (SU) | 4.00 | 24000044 | 5/24 | ↓ |
| pH (SU) | 7.00 | 22290139 | 4/24 | ↓ |
| pH (SU) | 10.00 | 22110130 | 4/24 | ↓ |
| D.O. (%) | N/A | - | - | - |
| ORP (mV) | 228.0 | 24002258 | 6/24 | AIR |

| Calibration | | | | | |
|------------------------------|----------|-------------------|---------------------------------------|---------------------|-----------|
| Time Start | | Time Finish | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature (°C) | Acceptance Criteria | Reference |
| Specific Conductance (µS/cm) | 4,490 | 4490 | 23.48 | ± 10% of standard | EPA 2023 |
| pH (SU) | 4.00 | 4.00 | 23.53 | ± 0.1 | GWMP |
| pH (SU) | 7.00 | 7.00 | 23.57 | ± 0.1 | GWMP |
| pH (SU) | 10.00 | 10.00 | 23.66 | ± 0.1 | GWMP |
| D.O. (%) | N/A | 7.70 | 23.25 | ± 10% | NA |
| ORP (mV) | 228.0 | 231.0 | 23.52 | ± 10 | EPA 2023 |

| Turbidity (NTU) ckstd | Standard | Calibration Value | Acceptance Criteria ± 10% of standard | Reference EPA 2023 |
|--------------------------|----------|-------------------|--|-----------------------|
| | 20 | 19.9 | | |
| | 100 | 99.6 | | |
| | 800 | 804 | | |
| | 10 | 10.2 | | |

| Calibration Check | | | | | |
|------------------------------|----------|-------------------|---------------------------------------|---------------------|-----------|
| Time Start | | Time Finish | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature (°C) | Acceptance Criteria | Reference |
| Specific Conductance (µS/cm) | 4,490 | 4400 | 28.36 | ± 10% of standard | EPA 2023 |
| pH (SU) | 4.00 | 4.09 | 28.34 | ± 0.1 | GWMP |
| pH (SU) | 7.00 | 7.07 | 27.30 | ± 0.1 | GWMP |
| pH (SU) | 10.00 | 9.96 | 27.29 | ± 0.1 | GWMP |

| Turbidity (NTU) ckstd | Standard | Calibration Value | Acceptance Criteria ± 10% of standard | Reference EPA 2023 |
|-----------------------|----------|-------------------|--|-----------------------|
| | 10 | 10.2 | | |
| | | | | |
| | | | | |

Notes:

Site Name: Plant McDonough
 Calibrated By: Daniel Howard

Field Instrumentation Calibration Form

Date: 9/12/23

Field Conditions: Partly Cloudy
Sunny

| Instrument | Manufacturer/ Model | Serial Number |
|---------------------|----------------------|--------------------|
| Water Quality Meter | <u>AquaTroll 400</u> | <u>850251</u> |
| Turbidity Meter | <u>itech 2100Q</u> | <u>23060000290</u> |

| Calibration Standard Information | | | | |
|--|----------|-----------------|--------------------|------------|
| Parameter | Standard | Lot # | Date of Expiration | Brand |
| Specific Conductance ($\mu\text{S}/\text{cm}$) | 4,490 | <u>24000044</u> | <u>5/24</u> | <u>AIR</u> |
| pH (SU) | 4.00 | <u>24000044</u> | <u>5/24</u> | ↓ |
| pH (SU) | 7.00 | <u>22290139</u> | <u>4/24</u> | |
| pH (SU) | 10.00 | <u>22110130</u> | <u>4/24</u> | |
| D.O. (%) | N/A | — | — | — |
| ORP (mV) | 228.0 | <u>24602258</u> | <u>6/24</u> | <u>AIR</u> |

| Calibration | | | | | |
|--|-------------|-------------------|---|------------------------|-----------|
| Time Start | Time Finish | | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature ($^{\circ}\text{C}$) | Acceptance Criteria | Reference |
| Specific Conductance ($\mu\text{S}/\text{cm}$) | 4,490 | <u>4490</u> | <u>24.34</u> | $\pm 10\%$ of standard | EPA 2023 |
| pH (SU) | 4.00 | <u>4.00</u> | <u>24.55</u> | ± 0.1 | GWMP |
| pH (SU) | 7.00 | <u>7.00</u> | <u>24.70</u> | ± 0.1 | GWMP |
| pH (SU) | 10.00 | <u>10.00</u> | <u>24.90</u> | ± 0.1 | GWMP |
| D.O. (%) | N/A | <u>7.75</u> | <u>23.11</u> | $\pm 10\%$ | NA |
| ORP (mV) | 228.0 | <u>229.5</u> | <u>24.71</u> | ± 10 | EPA 2023 |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-----------------|------------|-------------------|---------------------|-----------|
| | <u>20</u> | <u>19.9</u> | | |
| | <u>100</u> | <u>101</u> | | |
| | <u>800</u> | <u>792</u> | | |
| | <u>10</u> | <u>10.3</u> | | |

ckstd

| Calibration Check | | | | | |
|--|-------------|-------------------|---|------------------------|-----------|
| Time Start | Time Finish | | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature ($^{\circ}\text{C}$) | Acceptance Criteria | Reference |
| Specific Conductance ($\mu\text{S}/\text{cm}$) | 4,490 | <u>4430</u> | <u>30.44</u> | $\pm 10\%$ of standard | EPA 2023 |
| pH (SU) | 4.00 | <u>4.01</u> | <u>30.62</u> | ± 0.1 | GWMP |
| pH (SU) | 7.00 | <u>7.00</u> | <u>29.76</u> | ± 0.1 | GWMP |
| pH (SU) | 10.00 | <u>9.94</u> | <u>29.45</u> | ± 0.1 | GWMP |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-----------------|-----------|-------------------|---------------------|-----------|
| | <u>10</u> | <u>10.2</u> | | |
| | | | | |
| | | | | |

ckstd

Notes:

Site Name: Plant McDonough

Field Instrumentation Calibration Form

Date: 9/13/23

Calibrated By: Daniel Howard

Field Conditions: Overcast

| Instrument | Manufacturer/ Model | Serial Number |
|---------------------|---------------------|---------------|
| Water Quality Meter | AquaTroll 400 | 850751 |
| Turbidity Meter | Hech 2100 Q | 23060000290 |

| Calibration Standard Information | | | | |
|----------------------------------|----------|----------|--------------------|-------|
| Parameter | Standard | Lot # | Date of Expiration | Brand |
| Specific Conductance (µS/cm) | 4,490 | 24000044 | 5/24 | AIR |
| pH (SU) | 4.00 | 24000044 | 5/24 | ↓ |
| pH (SU) | 7.00 | 22290139 | 4/24 | ↓ |
| pH (SU) | 10.00 | 22110130 | 4/24 | ↓ |
| D.O. (%) | N/A | - | - | - |
| ORP (mV) | 228.0 | 24002258 | 6/24 | AIR |

| Calibration | | | | | |
|------------------------------|----------|-------------------|---------------------------------------|---------------------|-----------|
| Time Start | | Time Finish | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature (°C) | Acceptance Criteria | Reference |
| Specific Conductance (µS/cm) | 4,490 | 4490 | 23.61 | ± 10% of standard | EPA 2023 |
| pH (SU) | 4.00 | 4.00 | 23.84 | ± 0.1 | GWMP |
| pH (SU) | 7.00 | 7.00 | 23.92 | ± 0.1 | GWMP |
| pH (SU) | 10.00 | 10.00 | 24.02 | ± 0.1 | GWMP |
| D.O. (%) | N/A | 7.57 | 22.00 | ± 10% | NA |
| ORP (mV) | 228.0 | 230.2 | 24.15 | ± 10 | EPA 2023 |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-----------------|----------|-------------------|---------------------|-----------|
| | 20 | 20.1 | ± 10% of standard | EPA 2023 |
| | 100 | 99.4 | | |
| | 800 | 802 | | |
| | 10 | 10.2 | | |

ckstd

| Calibration Check | | | | | |
|------------------------------|----------|-------------------|---------------------------------------|---------------------|-----------|
| Time Start | | Time Finish | | | |
| Parameter | Standard | Calibration Value | Calibration Solution Temperature (°C) | Acceptance Criteria | Reference |
| Specific Conductance (µS/cm) | 4,490 | 4430 | 27.19 | ± 10% of standard | EPA 2023 |
| pH (SU) | 4.00 | 4.01 | 27.23 | ± 0.1 | GWMP |
| pH (SU) | 7.00 | 7.00 | 27.36 | ± 0.1 | GWMP |
| pH (SU) | 10.00 | 9.97 | 28.05 | ± 0.1 | GWMP |

| Turbidity (NTU) | Standard | Calibration Value | Acceptance Criteria | Reference |
|-----------------|----------|-------------------|---------------------|-----------|
| | 10 | 10.1 | ± 10% of standard | EPA 2023 |
| | | | | |
| | | | | |

ckstd

Notes:

APPENDIX B

Laboratory Analytical Data, Data Validation Summary
and Laboratory Accreditation

APPENDIX B

Laboratory Analytical Data



October 04, 2023

Lauren Hartley
Southern Co.
241 Ralph McGill Blvd
NE, Bin 10160
Atlanta, GA 30308

RE: Project: Background Wells
Pace Project No.: 92686676

Dear Lauren Hartley:

Enclosed are the analytical results for sample(s) received by the laboratory between September 07, 2023 and September 08, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

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

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

Sincerely,

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

Enclosures

cc: Yong Cheng, WSP
Daniela Herrera, Golder
Andrea McClure, WSP
Laura Midkiff, Southern Co.
Dawn Prell, WSP USA E&I Inc_Atlanta



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Background Wells
Pace Project No.: 92686676

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40

South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092
Florida DOH Certification #: E87315
Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381
South Carolina Certification #: 98011001
Virginia Certification #: 460204

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SAMPLE SUMMARY

Project: Background Wells
Pace Project No.: 92686676

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|--------------|--------|----------------|----------------|
| 92686676001 | MCD-DGWA-70A | Water | 09/06/23 12:45 | 09/07/23 09:00 |
| 92686676002 | MCD-DGWA-71 | Water | 09/06/23 16:09 | 09/07/23 09:00 |
| 92686676003 | MCD-DGWA-53 | Water | 09/07/23 10:53 | 09/08/23 15:50 |

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SAMPLE ANALYTE COUNT

Project: Background Wells

Pace Project No.: 92686676

| Lab ID | Sample ID | Method | Analysts | Analytes Reported |
|-------------|--------------|------------------------|----------|-------------------|
| 92686676001 | MCD-DGWA-70A | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | EPA 7470A | BM | 1 |
| | | SM 2320B-2011 | YEG | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | JCM | 3 |
| 92686676002 | MCD-DGWA-71 | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | EPA 7470A | BM | 1 |
| | | SM 2320B-2011 | YEG | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | JCM | 3 |
| 92686676003 | MCD-DGWA-53 | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | CDC | 3 |

PASI-A = Pace Analytical Services - Asheville

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Background Wells

Pace Project No.: 92686676

Sample: MCD-DGWA-70A Lab ID: 92686676001 Collected: 09/06/23 12:45 Received: 09/07/23 09:00 Matrix: Water

| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual |
|--|----------|-------|---------|----------|----|----------------|----------------|------------|------|
| | | | Limit | MDL | DF | | | | |
| 6010D ATL ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Iron | ND | mg/L | 0.040 | 0.025 | 1 | 09/09/23 08:25 | 09/11/23 20:36 | 7439-89-6 | |
| Potassium | 1.6 | mg/L | 0.50 | 0.15 | 1 | 09/09/23 08:25 | 09/11/23 20:36 | 7440-09-7 | |
| Sodium | 3.4 | mg/L | 1.0 | 0.58 | 1 | 09/09/23 08:25 | 09/11/23 20:36 | 7440-23-5 | |
| Calcium | 6.6 | mg/L | 1.0 | 0.12 | 1 | 09/09/23 08:25 | 09/11/23 20:36 | 7440-70-2 | |
| Magnesium | 2.6 | mg/L | 0.050 | 0.012 | 1 | 09/09/23 08:25 | 09/11/23 20:36 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/09/23 08:50 | 09/13/23 12:47 | 7440-36-0 | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/09/23 08:50 | 09/13/23 12:47 | 7440-38-2 | |
| Barium | 0.041 | mg/L | 0.0050 | 0.00067 | 1 | 09/09/23 08:50 | 09/14/23 16:46 | 7440-39-3 | |
| Beryllium | 0.00012J | mg/L | 0.00050 | 0.000054 | 1 | 09/09/23 08:50 | 09/13/23 12:47 | 7440-41-7 | |
| Boron | 0.012J | mg/L | 0.040 | 0.0086 | 1 | 09/09/23 08:50 | 09/13/23 12:47 | 7440-42-8 | |
| Cadmium | ND | mg/L | 0.00050 | 0.00011 | 1 | 09/09/23 08:50 | 09/13/23 12:47 | 7440-43-9 | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/09/23 08:50 | 09/13/23 12:47 | 7440-47-3 | |
| Cobalt | ND | mg/L | 0.0050 | 0.00039 | 1 | 09/09/23 08:50 | 09/13/23 12:47 | 7440-48-4 | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/09/23 08:50 | 09/13/23 12:47 | 7439-92-1 | |
| Lithium | ND | mg/L | 0.030 | 0.00073 | 1 | 09/09/23 08:50 | 09/13/23 12:47 | 7439-93-2 | |
| Molybdenum | ND | mg/L | 0.010 | 0.00074 | 1 | 09/09/23 08:50 | 09/13/23 12:47 | 7439-98-7 | |
| Selenium | ND | mg/L | 0.0050 | 0.0014 | 1 | 09/09/23 08:50 | 09/13/23 12:47 | 7782-49-2 | |
| Thallium | 0.00053J | mg/L | 0.0010 | 0.00018 | 1 | 09/09/23 08:50 | 09/13/23 12:47 | 7440-28-0 | |
| 2540C Total Dissolved Solids | | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Total Dissolved Solids | 46.0 | mg/L | 25.0 | 25.0 | 1 | | 09/11/23 13:27 | | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470A Preparation Method: EPA 7470A | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00012 | 1 | 09/19/23 17:10 | 09/20/23 13:39 | 7439-97-6 | |
| 2320B Alkalinity | | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | 27.2 | mg/L | 5.0 | 5.0 | 1 | | 09/11/23 14:35 | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/11/23 14:35 | | |
| Alkalinity, Total as CaCO3 | 27.2 | mg/L | 5.0 | 5.0 | 1 | | 09/11/23 14:35 | | |
| 4500S2D Sulfide Water | | | | | | | | | |
| Analytical Method: SM 4500-S2D-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/09/23 04:32 | 18496-25-8 | |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Chloride | 2.2 | mg/L | 1.0 | 0.60 | 1 | | 09/09/23 18:55 | 16887-00-6 | |
| Fluoride | ND | mg/L | 0.10 | 0.050 | 1 | | 09/09/23 18:55 | 16984-48-8 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Background Wells

Pace Project No.: 92686676

Sample: MCD-DGWA-70A Lab ID: 92686676001 Collected: 09/06/23 12:45 Received: 09/07/23 09:00 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|-----------------|------|----|----------|----------------|------------|------|
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfate | ND | mg/L | 1.0 | 0.50 | 1 | | 09/09/23 18:55 | 14808-79-8 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Background Wells

Pace Project No.: 92686676

| Sample: MCD-DGWA-71 | | Lab ID: 92686676002 | | Collected: 09/06/23 16:09 | | Received: 09/07/23 09:00 | | Matrix: Water | |
|-------------------------------------|----------|--|---------|---------------------------|----|--------------------------|----------------|---------------|------|
| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual |
| | | | Limit | MDL | DF | | | | |
| 6010D ATL ICP | | Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA | | | | | | | |
| Iron | 0.091 | mg/L | 0.040 | 0.025 | 1 | 09/09/23 08:25 | 09/11/23 20:41 | 7439-89-6 | |
| Potassium | 0.77 | mg/L | 0.50 | 0.15 | 1 | 09/09/23 08:25 | 09/11/23 20:41 | 7440-09-7 | |
| Sodium | 8.8 | mg/L | 1.0 | 0.58 | 1 | 09/09/23 08:25 | 09/11/23 20:41 | 7440-23-5 | M1 |
| Calcium | 7.0 | mg/L | 1.0 | 0.12 | 1 | 09/09/23 08:25 | 09/11/23 20:41 | 7440-70-2 | M1 |
| Magnesium | 0.98 | mg/L | 0.050 | 0.012 | 1 | 09/09/23 08:25 | 09/11/23 20:41 | 7439-95-4 | |
| 6020 MET ICPMS | | Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA | | | | | | | |
| Antimony | 0.0045 | mg/L | 0.0030 | 0.0012 | 1 | 09/09/23 08:50 | 09/13/23 13:03 | 7440-36-0 | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/09/23 08:50 | 09/13/23 13:03 | 7440-38-2 | |
| Barium | 0.030 | mg/L | 0.0050 | 0.00067 | 1 | 09/09/23 08:50 | 09/14/23 16:58 | 7440-39-3 | |
| Beryllium | 0.00011J | mg/L | 0.00050 | 0.000054 | 1 | 09/09/23 08:50 | 09/13/23 13:03 | 7440-41-7 | |
| Boron | 0.015J | mg/L | 0.040 | 0.0086 | 1 | 09/09/23 08:50 | 09/13/23 13:03 | 7440-42-8 | |
| Cadmium | ND | mg/L | 0.00050 | 0.00011 | 1 | 09/09/23 08:50 | 09/13/23 13:03 | 7440-43-9 | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/09/23 08:50 | 09/13/23 13:03 | 7440-47-3 | |
| Cobalt | ND | mg/L | 0.0050 | 0.00039 | 1 | 09/09/23 08:50 | 09/13/23 13:03 | 7440-48-4 | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/09/23 08:50 | 09/13/23 13:03 | 7439-92-1 | |
| Lithium | 0.0013J | mg/L | 0.030 | 0.00073 | 1 | 09/09/23 08:50 | 09/13/23 13:03 | 7439-93-2 | |
| Molybdenum | ND | mg/L | 0.010 | 0.00074 | 1 | 09/09/23 08:50 | 09/13/23 13:03 | 7439-98-7 | |
| Selenium | ND | mg/L | 0.0050 | 0.0014 | 1 | 09/09/23 08:50 | 09/13/23 13:03 | 7782-49-2 | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/09/23 08:50 | 09/13/23 13:03 | 7440-28-0 | |
| 2540C Total Dissolved Solids | | Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA | | | | | | | |
| Total Dissolved Solids | 80.0 | mg/L | 25.0 | 25.0 | 1 | | 09/11/23 13:27 | | |
| 7470 Mercury | | Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00012 | 1 | 09/19/23 17:10 | 09/20/23 13:46 | 7439-97-6 | |
| 2320B Alkalinity | | Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | 16.4 | mg/L | 5.0 | 5.0 | 1 | | 09/11/23 14:41 | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/11/23 14:41 | | |
| Alkalinity, Total as CaCO3 | 16.4 | mg/L | 5.0 | 5.0 | 1 | | 09/11/23 14:41 | | |
| 4500S2D Sulfide Water | | Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/09/23 04:33 | 18496-25-8 | |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | |
| Chloride | 7.8 | mg/L | 1.0 | 0.60 | 1 | | 09/09/23 19:09 | 16887-00-6 | |
| Fluoride | ND | mg/L | 0.10 | 0.050 | 1 | | 09/09/23 19:09 | 16984-48-8 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Background Wells

Pace Project No.: 92686676

Sample: MCD-DGWA-71 Lab ID: 92686676002 Collected: 09/06/23 16:09 Received: 09/07/23 09:00 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|--------------|------|----|----------|----------------|------------|------|
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfate | 7.2 | mg/L | 1.0 | 0.50 | 1 | | 09/09/23 19:09 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Background Wells

Pace Project No.: 92686676

Sample: MCD-DGWA-53 **Lab ID: 92686676003** Collected: 09/07/23 10:53 Received: 09/08/23 15:50 Matrix: Water

| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|---------|----------|----|----------------|----------------|------------|------|
| | | | Limit | MDL | DF | | | | |
| 6010D ATL ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Iron | 14.9 | mg/L | 0.040 | 0.025 | 1 | 09/11/23 11:12 | 09/13/23 11:59 | 7439-89-6 | |
| Potassium | 3.8 | mg/L | 0.50 | 0.15 | 1 | 09/11/23 11:12 | 09/13/23 11:59 | 7440-09-7 | |
| Sodium | 7.6 | mg/L | 1.0 | 0.58 | 1 | 09/11/23 11:12 | 09/13/23 11:59 | 7440-23-5 | |
| Calcium | 16.3 | mg/L | 1.0 | 0.12 | 1 | 09/11/23 11:12 | 09/13/23 11:59 | 7440-70-2 | |
| Magnesium | 5.1 | mg/L | 0.050 | 0.012 | 1 | 09/11/23 11:12 | 09/13/23 11:59 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/11/23 14:11 | 09/14/23 18:15 | 7440-36-0 | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/11/23 14:11 | 09/14/23 18:15 | 7440-38-2 | |
| Barium | 0.12 | mg/L | 0.0050 | 0.00067 | 1 | 09/11/23 14:11 | 09/14/23 18:15 | 7440-39-3 | |
| Beryllium | ND | mg/L | 0.00050 | 0.000054 | 1 | 09/11/23 14:11 | 09/14/23 18:15 | 7440-41-7 | |
| Boron | 0.052 | mg/L | 0.040 | 0.0086 | 1 | 09/11/23 14:11 | 09/14/23 18:15 | 7440-42-8 | |
| Cadmium | ND | mg/L | 0.00050 | 0.00011 | 1 | 09/11/23 14:11 | 09/14/23 18:15 | 7440-43-9 | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/11/23 14:11 | 09/14/23 18:15 | 7440-47-3 | |
| Cobalt | 0.0086 | mg/L | 0.0050 | 0.00039 | 1 | 09/11/23 14:11 | 09/14/23 18:15 | 7440-48-4 | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/11/23 14:11 | 09/14/23 18:15 | 7439-92-1 | |
| Lithium | 0.0085J | mg/L | 0.030 | 0.00073 | 1 | 09/11/23 14:11 | 09/14/23 18:15 | 7439-93-2 | |
| Molybdenum | 0.022 | mg/L | 0.010 | 0.00074 | 1 | 09/11/23 14:11 | 09/15/23 19:10 | 7439-98-7 | |
| Selenium | ND | mg/L | 0.0050 | 0.0014 | 1 | 09/11/23 14:11 | 09/14/23 18:15 | 7782-49-2 | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/11/23 14:11 | 09/14/23 18:15 | 7440-28-0 | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470A Preparation Method: EPA 7470A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 10/02/23 12:15 | 10/02/23 16:35 | 7439-97-6 | |
| 2540C Total Dissolved Solids | | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Total Dissolved Solids | 123 | mg/L | 25.0 | 25.0 | 1 | | 09/12/23 11:44 | | |
| 2320B Alkalinity | | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | 74.5 | mg/L | 5.0 | 5.0 | 1 | | 09/12/23 17:19 | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/12/23 17:19 | | |
| Alkalinity, Total as CaCO3 | 74.5 | mg/L | 5.0 | 5.0 | 1 | | 09/12/23 17:19 | | |
| 4500S2D Sulfide Water | | | | | | | | | |
| Analytical Method: SM 4500-S2D-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/13/23 02:29 | 18496-25-8 | |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Chloride | 1.7 | mg/L | 1.0 | 0.60 | 1 | | 09/12/23 17:51 | 16887-00-6 | |
| Fluoride | 0.082J | mg/L | 0.10 | 0.050 | 1 | | 09/12/23 17:51 | 16984-48-8 | |

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ANALYTICAL RESULTS

Project: Background Wells

Pace Project No.: 92686676

Sample: MCD-DGWA-53 Lab ID: 92686676003 Collected: 09/07/23 10:53 Received: 09/08/23 15:50 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|--------------|------|----|----------|----------------|------------|------|
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfate | 15.4 | mg/L | 1.0 | 0.50 | 1 | | 09/12/23 17:51 | 14808-79-8 | |

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QUALITY CONTROL DATA

Project: Background Wells

Pace Project No.: 92686676

| | | | |
|------------------|-----------|-----------------------|--|
| QC Batch: | 798622 | Analysis Method: | EPA 6010D |
| QC Batch Method: | EPA 3010A | Analysis Description: | 6010D ATL |
| | | Laboratory: | Pace Analytical Services - Peachtree Corners, GA |

Associated Lab Samples: 92686676001, 92686676002

METHOD BLANK: 4136598 Matrix: Water

Associated Lab Samples: 92686676001, 92686676002

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|-------|----------------|------------|
| Calcium | mg/L | ND | 1.0 | 0.12 | 09/11/23 20:25 | |
| Iron | mg/L | ND | 0.040 | 0.025 | 09/11/23 20:25 | |
| Magnesium | mg/L | ND | 0.050 | 0.012 | 09/11/23 20:25 | |
| Potassium | mg/L | ND | 0.50 | 0.15 | 09/11/23 20:25 | |
| Sodium | mg/L | ND | 1.0 | 0.58 | 09/11/23 20:25 | |

LABORATORY CONTROL SAMPLE: 4136599

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Calcium | mg/L | 1 | 1.0 | 104 | 80-120 | |
| Iron | mg/L | 1 | 1.1 | 106 | 80-120 | |
| Magnesium | mg/L | 1 | 1.1 | 106 | 80-120 | |
| Potassium | mg/L | 1 | 1.0 | 103 | 80-120 | |
| Sodium | mg/L | 1 | 0.99J | 99 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4136986 4136987

| Parameter | Units | MS | | MSD | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|-------------|-------------|-------------|--------|----------|-----------|--------------|--------|---------|-------|
| | | 92686676002 | Spike Conc. | Spike Conc. | Result | | | | | | |
| Calcium | mg/L | 7.0 | 1 | 1 | 8.2 | 7.6 | 115 | 58 | 75-125 | 7 | 20 M1 |
| Iron | mg/L | 0.091 | 1 | 1 | 1.2 | 1.1 | 108 | 106 | 75-125 | 2 | 20 |
| Magnesium | mg/L | 0.98 | 1 | 1 | 2.1 | 2.0 | 108 | 101 | 75-125 | 4 | 20 |
| Potassium | mg/L | 0.77 | 1 | 1 | 1.8 | 1.8 | 104 | 101 | 75-125 | 1 | 20 |
| Sodium | mg/L | 8.8 | 1 | 1 | 9.9 | 9.2 | 117 | 42 | 75-125 | 8 | 20 M1 |

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QUALITY CONTROL DATA

Project: Background Wells

Pace Project No.: 92686676

QC Batch: 798869

Analysis Method: EPA 6010D

QC Batch Method: EPA 3010A

Analysis Description: 6010D ATL

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92686676003

METHOD BLANK: 4137528

Matrix: Water

Associated Lab Samples: 92686676003

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|-------|----------------|------------|
| Calcium | mg/L | ND | 1.0 | 0.12 | 09/13/23 10:22 | |
| Iron | mg/L | ND | 0.040 | 0.025 | 09/13/23 10:22 | |
| Magnesium | mg/L | ND | 0.050 | 0.012 | 09/13/23 10:22 | |
| Potassium | mg/L | ND | 0.50 | 0.15 | 09/13/23 10:22 | |
| Sodium | mg/L | ND | 1.0 | 0.58 | 09/13/23 10:22 | |

LABORATORY CONTROL SAMPLE: 4137529

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Calcium | mg/L | 1 | 1.0J | 100 | 80-120 | |
| Iron | mg/L | 1 | 1.0 | 100 | 80-120 | |
| Magnesium | mg/L | 1 | 1.0 | 102 | 80-120 | |
| Potassium | mg/L | 1 | 0.92 | 92 | 80-120 | |
| Sodium | mg/L | 1 | 0.96J | 96 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4137530 4137531

| Parameter | Units | MS | | MSD | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|--------------------|-------------|-------------|--------|----------|-----------|--------------|--------|---------|-------|
| | | 92686941001 Result | Spike Conc. | Spike Conc. | Result | | | | | | |
| Calcium | mg/L | 71.8 | 1 | 1 | 68.4 | 71.2 | -338 | -59 | 75-125 | 4 | 20 M1 |
| Iron | mg/L | 2.1 | 1 | 1 | 3.0 | 3.0 | 86 | 93 | 75-125 | 2 | 20 |
| Magnesium | mg/L | 24.6 | 1 | 1 | 24.1 | 25.0 | -53 | 33 | 75-125 | 4 | 20 M1 |
| Potassium | mg/L | 8.2 | 1 | 1 | 8.7 | 9.1 | 42 | 82 | 75-125 | 5 | 20 M1 |
| Sodium | mg/L | 20.0 | 1 | 1 | 19.8 | 20.6 | -19 | 59 | 75-125 | 4 | 20 M1 |

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QUALITY CONTROL DATA

Project: Background Wells

Pace Project No.: 92686676

| | | | |
|------------------|-----------|-----------------------|--|
| QC Batch: | 798623 | Analysis Method: | EPA 6020B |
| QC Batch Method: | EPA 3005A | Analysis Description: | 6020 MET |
| | | Laboratory: | Pace Analytical Services - Peachtree Corners, GA |

Associated Lab Samples: 92686676001, 92686676002

METHOD BLANK: 4136603 Matrix: Water

Associated Lab Samples: 92686676001, 92686676002

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|------------|-------|--------------|-----------------|----------|----------------|------------|
| Antimony | mg/L | ND | 0.0030 | 0.0012 | 09/13/23 12:38 | |
| Arsenic | mg/L | ND | 0.0050 | 0.0037 | 09/13/23 12:38 | |
| Barium | mg/L | ND | 0.0050 | 0.00067 | 09/14/23 16:38 | |
| Beryllium | mg/L | ND | 0.00050 | 0.000054 | 09/13/23 12:38 | |
| Boron | mg/L | ND | 0.040 | 0.0086 | 09/13/23 12:38 | |
| Cadmium | mg/L | ND | 0.00050 | 0.00011 | 09/13/23 12:38 | |
| Chromium | mg/L | ND | 0.0050 | 0.0011 | 09/13/23 12:38 | |
| Cobalt | mg/L | ND | 0.0050 | 0.00039 | 09/13/23 12:38 | |
| Lead | mg/L | ND | 0.0010 | 0.00012 | 09/13/23 12:38 | |
| Lithium | mg/L | ND | 0.030 | 0.00073 | 09/13/23 12:38 | |
| Molybdenum | mg/L | ND | 0.010 | 0.00074 | 09/13/23 12:38 | |
| Selenium | mg/L | ND | 0.0050 | 0.0014 | 09/13/23 12:38 | |
| Thallium | mg/L | ND | 0.0010 | 0.00018 | 09/13/23 12:38 | |

LABORATORY CONTROL SAMPLE: 4136604

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------|-------|-------------|------------|-----------|--------------|------------|
| Antimony | mg/L | 0.1 | 0.11 | 107 | 80-120 | |
| Arsenic | mg/L | 0.1 | 0.097 | 97 | 80-120 | |
| Barium | mg/L | 0.1 | 0.098 | 98 | 80-120 | |
| Beryllium | mg/L | 0.1 | 0.097 | 97 | 80-120 | |
| Boron | mg/L | 1 | 0.99 | 99 | 80-120 | |
| Cadmium | mg/L | 0.1 | 0.10 | 100 | 80-120 | |
| Chromium | mg/L | 0.1 | 0.10 | 102 | 80-120 | |
| Cobalt | mg/L | 0.1 | 0.10 | 101 | 80-120 | |
| Lead | mg/L | 0.1 | 0.099 | 99 | 80-120 | |
| Lithium | mg/L | 0.1 | 0.099 | 99 | 80-120 | |
| Molybdenum | mg/L | 0.1 | 0.10 | 105 | 80-120 | |
| Selenium | mg/L | 0.1 | 0.099 | 99 | 80-120 | |
| Thallium | mg/L | 0.1 | 0.096 | 96 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4136605 4136606

| Parameter | Units | MS Result | MSD Spike Conc. | MS Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|-----------|-----------------|----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| | | | | | | | | | | | | |
| Antimony | mg/L | ND | 0.1 | 0.1 | 0.10 | 0.10 | 104 | 105 | 75-125 | 1 | 20 | |
| Arsenic | mg/L | ND | 0.1 | 0.1 | 0.098 | 0.099 | 98 | 98 | 75-125 | 1 | 20 | |

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QUALITY CONTROL DATA

Project: Background Wells

Pace Project No.: 92686676

| Parameter | Units | 4136605 | | | 4136606 | | | % Rec | % Rec | % Rec | Limits | RPD | Max RPD | Qual |
|------------|-------|-------------|----------------|-----------------|-----------|------------|----------|-------|--------|-------|--------|-----|---------|------|
| | | 92686676001 | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | | | | | | | |
| Barium | mg/L | 0.041 | 0.1 | 0.1 | 0.15 | 0.15 | 105 | 107 | 75-125 | 2 | 20 | | | |
| Beryllium | mg/L | 0.00012J | 0.1 | 0.1 | 0.098 | 0.097 | 98 | 97 | 75-125 | 1 | 20 | | | |
| Boron | mg/L | 0.012J | 1 | 1 | 1.0 | 1.0 | 102 | 102 | 75-125 | 0 | 20 | | | |
| Cadmium | mg/L | ND | 0.1 | 0.1 | 0.099 | 0.10 | 99 | 102 | 75-125 | 3 | 20 | | | |
| Chromium | mg/L | ND | 0.1 | 0.1 | 0.10 | 0.10 | 102 | 104 | 75-125 | 2 | 20 | | | |
| Cobalt | mg/L | ND | 0.1 | 0.1 | 0.10 | 0.10 | 102 | 104 | 75-125 | 2 | 20 | | | |
| Lead | mg/L | ND | 0.1 | 0.1 | 0.098 | 0.098 | 97 | 98 | 75-125 | 1 | 20 | | | |
| Lithium | mg/L | ND | 0.1 | 0.1 | 0.098 | 0.096 | 97 | 96 | 75-125 | 2 | 20 | | | |
| Molybdenum | mg/L | ND | 0.1 | 0.1 | 0.10 | 0.10 | 100 | 102 | 75-125 | 2 | 20 | | | |
| Selenium | mg/L | ND | 0.1 | 0.1 | 0.098 | 0.10 | 98 | 99 | 75-125 | 2 | 20 | | | |
| Thallium | mg/L | 0.00053J | 0.1 | 0.1 | 0.095 | 0.095 | 94 | 95 | 75-125 | 0 | 20 | | | |

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QUALITY CONTROL DATA

Project: Background Wells

Pace Project No.: 92686676

QC Batch: 798903

Analysis Method: EPA 6020B

QC Batch Method: EPA 3005A

Analysis Description: 6020 MET

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92686676003

METHOD BLANK: 4137724

Matrix: Water

Associated Lab Samples: 92686676003

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|------------|-------|--------------|-----------------|----------|----------------|------------|
| Antimony | mg/L | ND | 0.0030 | 0.0012 | 09/14/23 16:50 | |
| Arsenic | mg/L | ND | 0.0050 | 0.0037 | 09/14/23 16:50 | |
| Barium | mg/L | ND | 0.0050 | 0.00067 | 09/14/23 16:50 | |
| Beryllium | mg/L | ND | 0.00050 | 0.000054 | 09/14/23 16:50 | |
| Boron | mg/L | ND | 0.040 | 0.0086 | 09/14/23 16:50 | |
| Cadmium | mg/L | ND | 0.00050 | 0.00011 | 09/14/23 16:50 | |
| Chromium | mg/L | ND | 0.0050 | 0.0011 | 09/14/23 16:50 | |
| Cobalt | mg/L | ND | 0.0050 | 0.00039 | 09/14/23 16:50 | |
| Lead | mg/L | ND | 0.0010 | 0.00012 | 09/14/23 16:50 | |
| Lithium | mg/L | ND | 0.030 | 0.00073 | 09/14/23 16:50 | |
| Molybdenum | mg/L | ND | 0.010 | 0.00074 | 09/14/23 16:50 | |
| Selenium | mg/L | ND | 0.0050 | 0.0014 | 09/14/23 16:50 | |
| Thallium | mg/L | ND | 0.0010 | 0.00018 | 09/14/23 16:50 | |

LABORATORY CONTROL SAMPLE: 4137725

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------|-------|-------------|------------|-----------|--------------|------------|
| Antimony | mg/L | 0.1 | 0.11 | 109 | 80-120 | |
| Arsenic | mg/L | 0.1 | 0.10 | 102 | 80-120 | |
| Barium | mg/L | 0.1 | 0.10 | 102 | 80-120 | |
| Beryllium | mg/L | 0.1 | 0.098 | 98 | 80-120 | |
| Boron | mg/L | 1 | 0.99 | 99 | 80-120 | |
| Cadmium | mg/L | 0.1 | 0.10 | 102 | 80-120 | |
| Chromium | mg/L | 0.1 | 0.10 | 102 | 80-120 | |
| Cobalt | mg/L | 0.1 | 0.10 | 101 | 80-120 | |
| Lead | mg/L | 0.1 | 0.099 | 99 | 80-120 | |
| Lithium | mg/L | 0.1 | 0.10 | 101 | 80-120 | |
| Molybdenum | mg/L | 0.1 | 0.10 | 101 | 80-120 | |
| Selenium | mg/L | 0.1 | 0.10 | 102 | 80-120 | |
| Thallium | mg/L | 0.1 | 0.097 | 97 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4137726 4137727

| Parameter | Units | MS | | MSD | | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | Max RPD | Qual |
|-----------|-------|-------------|--------|-------------|-------------|-----------|------------|----------|-----------|--------------|---------|------|
| | | 92686941002 | Result | Spike Conc. | Spike Conc. | | | | | | | |
| Antimony | mg/L | ND | 0.1 | 0.1 | 0.11 | 0.10 | 110 | 104 | 75-125 | 6 | 20 | |
| Arsenic | mg/L | ND | 0.1 | 0.1 | 0.11 | 0.099 | 106 | 99 | 75-125 | 7 | 20 | |

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QUALITY CONTROL DATA

Project: Background Wells

Pace Project No.: 92686676

| MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4137726 4137727 | | | | | | | | | | | | |
|--|-------|-----------------------|----------------|----------------|--------------|--------------|---------------|-------------|--------------|-----------------|------------|------|
| Parameter | Units | MS | | MSD | | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | Max RPD | Qual |
| | | 92686941002 Result | Spike Conc. | Spike Conc. | MS Result | | | | | | | |
| Barium | mg/L | 0.0027J | 0.1 | 0.1 | 0.11 | 0.10 | 105 | 100 | 75-125 | 5 | 20 | |
| Beryllium | mg/L | ND | 0.1 | 0.1 | 0.10 | 0.097 | 100 | 97 | 75-125 | 4 | 20 | |
| Boron | mg/L | 0.24 | 1 | 1 | 1.3 | 1.2 | 103 | 99 | 75-125 | 3 | 20 | |
| Cadmium | mg/L | ND | 0.1 | 0.1 | 0.11 | 0.10 | 107 | 100 | 75-125 | 6 | 20 | |
| Chromium | mg/L | ND | 0.1 | 0.1 | 0.10 | 0.094 | 102 | 93 | 75-125 | 8 | 20 | |
| Cobalt | mg/L | 0.00040J | 0.1 | 0.1 | 0.10 | 0.094 | 101 | 94 | 75-125 | 8 | 20 | |
| Lead | mg/L | ND | 0.1 | 0.1 | 0.095 | 0.091 | 95 | 91 | 75-125 | 4 | 20 | |
| Lithium | mg/L | 0.0043J | 0.1 | 0.1 | 0.10 | 0.099 | 100 | 94 | 75-125 | 6 | 20 | |
| Molybdenum | mg/L | 0.026 | 0.1 | 0.1 | 0.13 | 0.12 | 105 | 97 | 75-125 | 6 | 20 | |
| Selenium | mg/L | ND | 0.1 | 0.1 | 0.10 | 0.098 | 104 | 98 | 75-125 | 6 | 20 | |
| Thallium | mg/L | ND | 0.1 | 0.1 | 0.092 | 0.089 | 92 | 89 | 75-125 | 4 | 20 | |

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QUALITY CONTROL DATA

Project: Background Wells

Pace Project No.: 92686676

| | |
|----------------------------|--|
| QC Batch: 803461 | Analysis Method: EPA 7470A |
| QC Batch Method: EPA 7470A | Analysis Description: 7470 Mercury |
| | Laboratory: Pace Analytical Services - Peachtree Corners, GA |

Associated Lab Samples: 92686676003

METHOD BLANK: 4161104 Matrix: Water

Associated Lab Samples: 92686676003

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|---------|----------------|------------|
| Mercury | mg/L | ND | 0.00020 | 0.00013 | 10/02/23 16:27 | |

LABORATORY CONTROL SAMPLE: 4161105

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Mercury | mg/L | 0.0025 | 0.0026 | 103 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4161106 4161107

| Parameter | Units | 4161106 | | 4161107 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|-------------------|-----------------|-----------|------------|----------|-----------|--------------|--------|---------|------|
| | | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | | | | | | |
| Mercury | mg/L | 92686676003 ND | 0.0025 | 0.0025 | 0.0027 | 0.0026 | 104 | 101 | 75-125 | 3 | 20 |

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QUALITY CONTROL DATA

Project: Background Wells

Pace Project No.: 92686676

QC Batch: 798883

Analysis Method: SM 2540C-2015

QC Batch Method: SM 2540C-2015

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92686676001, 92686676002

METHOD BLANK: 4137624

Matrix: Water

Associated Lab Samples: 92686676001, 92686676002

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|------------------------|-------|--------------|-----------------|------|----------------|------------|
| Total Dissolved Solids | mg/L | ND | 25.0 | 25.0 | 09/11/23 13:25 | |

LABORATORY CONTROL SAMPLE: 4137625

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------------------|-------|-------------|------------|-----------|--------------|------------|
| Total Dissolved Solids | mg/L | 400 | 427 | 107 | 80-120 | |

SAMPLE DUPLICATE: 4137626

| Parameter | Units | 926866830001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------------|-------|---------------------|------------|-----|---------|------------|
| Total Dissolved Solids | mg/L | 1540 | 1500 | 3 | 10 | |

SAMPLE DUPLICATE: 4137627

| Parameter | Units | 92686679004 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------------|-------|--------------------|------------|-----|---------|------------|
| Total Dissolved Solids | mg/L | 207 | 174 | 17 | 10 | D6 |

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QUALITY CONTROL DATA

Project: Background Wells

Pace Project No.: 92686676

QC Batch: 799142

Analysis Method: SM 2540C-2015

QC Batch Method: SM 2540C-2015

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92686676003

METHOD BLANK: 4138899

Matrix: Water

Associated Lab Samples: 92686676003

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|------------------------|-------|--------------|-----------------|------|----------------|------------|
| Total Dissolved Solids | mg/L | ND | 25.0 | 25.0 | 09/12/23 11:42 | |

LABORATORY CONTROL SAMPLE: 4138900

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------------------|-------|-------------|------------|-----------|--------------|------------|
| Total Dissolved Solids | mg/L | 400 | 394 | 98 | 80-120 | |

SAMPLE DUPLICATE: 4138901

| Parameter | Units | 92686677006 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------------|-------|--------------------|------------|-----|---------|------------|
| Total Dissolved Solids | mg/L | 253 | 259 | 2 | 10 | |

SAMPLE DUPLICATE: 4138902

| Parameter | Units | 92687108002 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------------|-------|--------------------|------------|-----|---------|------------|
| Total Dissolved Solids | mg/L | 100 | 101 | 1 | 10 | |

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QUALITY CONTROL DATA

Project: Background Wells

Pace Project No.: 92686676

| | |
|----------------------------|--|
| QC Batch: 800476 | Analysis Method: EPA 7470A |
| QC Batch Method: EPA 7470A | Analysis Description: 7470 Mercury |
| | Laboratory: Pace Analytical Services - Asheville |

Associated Lab Samples: 92686676001, 92686676002

METHOD BLANK: 4146097 Matrix: Water

Associated Lab Samples: 92686676001, 92686676002

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|---------|----------------|------------|
| Mercury | mg/L | ND | 0.00020 | 0.00012 | 09/20/23 13:34 | |

LABORATORY CONTROL SAMPLE: 4146098

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Mercury | mg/L | 0.0025 | 0.0020 | 81 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4146099 4146100

| Parameter | Units | 4146099 | | 4146100 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| | | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | | | | | | |
| Mercury | mg/L | ND | 0.0025 | 0.0025 | 0.0025 | 100 | 95 | 75-125 | 5 | 25 | |

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QUALITY CONTROL DATA

Project: Background Wells

Pace Project No.: 92686676

QC Batch: 798842

Analysis Method: SM 2320B-2011

QC Batch Method: SM 2320B-2011

Analysis Description: 2320B Alkalinity

Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92686676001, 92686676002

METHOD BLANK: 4137442

Matrix: Water

Associated Lab Samples: 92686676001, 92686676002

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|--------------------------------|-------|--------------|-----------------|-----|----------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | ND | 5.0 | 5.0 | 09/11/23 11:24 | |
| Alkalinity,Bicarbonate (CaCO3) | mg/L | ND | 5.0 | 5.0 | 09/11/23 11:24 | |
| Alkalinity,Carbonate (CaCO3) | mg/L | ND | 5.0 | 5.0 | 09/11/23 11:24 | |

LABORATORY CONTROL SAMPLE: 4137443

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | 50 | 51.1 | 102 | 80-120 | |

LABORATORY CONTROL SAMPLE: 4137444

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | 50 | 51.0 | 102 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4137445 4137446

| Parameter | Units | 4137445 | | 4137446 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual | |
|----------------------------|-------|---------------------|-----------------|-----------|------------|----------|-----------|--------------|--------|---------|------|--|
| | | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | | | | | | | |
| Alkalinity, Total as CaCO3 | mg/L | 92686252001 <5.0 | 50 | 50 | 48.4 | 47.8 | 97 | 96 | 80-120 | 1 | 25 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4137447 4137448

| Parameter | Units | 4137447 | | 4137448 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual | |
|----------------------------|-------|---------------------|-----------------|-----------|------------|----------|-----------|--------------|--------|---------|------|--|
| | | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | | | | | | | |
| Alkalinity, Total as CaCO3 | mg/L | 92686487004 32.6 | 50 | 50 | 83.1 | 82.1 | 101 | 99 | 80-120 | 1 | 25 | |

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QUALITY CONTROL DATA

Project: Background Wells

Pace Project No.: 92686676

QC Batch: 799173

Analysis Method: SM 2320B-2011

QC Batch Method: SM 2320B-2011

Analysis Description: 2320B Alkalinity

Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92686676003

METHOD BLANK: 4139096

Matrix: Water

Associated Lab Samples: 92686676003

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|--------------------------------|-------|--------------|-----------------|-----|----------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | ND | 5.0 | 5.0 | 09/12/23 15:04 | |
| Alkalinity,Bicarbonate (CaCO3) | mg/L | ND | 5.0 | 5.0 | 09/12/23 15:04 | |
| Alkalinity,Carbonate (CaCO3) | mg/L | ND | 5.0 | 5.0 | 09/12/23 15:04 | |

LABORATORY CONTROL SAMPLE: 4139097

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | 50 | 51.0 | 102 | 80-120 | |

LABORATORY CONTROL SAMPLE: 4139098

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | 50 | 50.9 | 102 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4139099 4139100

| Parameter | Units | 92686679012 | | 4139100 | | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|----------------------------|-------|-------------|----------------|-----------------|-----------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| | | Result | MS Spike Conc. | MSD Spike Conc. | MS Result | | | | | | | | |
| Alkalinity, Total as CaCO3 | mg/L | ND | 50 | 50 | 51.2 | 51.0 | 102 | 102 | 80-120 | 0 | 25 | | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4139101 4139102

| Parameter | Units | 92686677009 | | 4139102 | | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|----------------------------|-------|-------------|----------------|-----------------|-----------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| | | Result | MS Spike Conc. | MSD Spike Conc. | MS Result | | | | | | | | |
| Alkalinity, Total as CaCO3 | mg/L | 96.9 | 50 | 50 | 148 | 148 | 103 | 102 | 80-120 | 0 | 25 | | |

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QUALITY CONTROL DATA

Project: Background Wells

Pace Project No.: 92686676

| | |
|-----------------------------------|--|
| QC Batch: 798662 | Analysis Method: SM 4500-S2D-2011 |
| QC Batch Method: SM 4500-S2D-2011 | Analysis Description: 4500S2D Sulfide Water |
| | Laboratory: Pace Analytical Services - Asheville |

Associated Lab Samples: 92686676001, 92686676002

METHOD BLANK: 4136899 Matrix: Water

Associated Lab Samples: 92686676001, 92686676002

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|-------|----------------|------------|
| Sulfide | mg/L | ND | 0.10 | 0.022 | 09/09/23 04:31 | |

LABORATORY CONTROL SAMPLE: 4136900

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Sulfide | mg/L | 0.5 | 0.52 | 104 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4136901 4136902

| Parameter | Units | 4136901 | | 4136902 | | % Rec | % Rec | % Rec | % Rec | Limits | RPD | Max RPD | Qual |
|-----------|-------|-----------|------------|-----------|------------|-------|-------|-------|--------|--------|-----|---------|------|
| | | MS Result | MSD Result | MS Result | MSD Result | | | | | | | | |
| Sulfide | mg/L | ND | 0.5 | 0.5 | 0.54 | 0.56 | 106 | 111 | 80-120 | 5 | 10 | | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4136903 4136904

| Parameter | Units | 4136903 | | 4136904 | | % Rec | % Rec | % Rec | % Rec | Limits | RPD | Max RPD | Qual |
|-----------|-------|-----------|------------|-----------|------------|-------|-------|-------|--------|--------|-----|---------|------|
| | | MS Result | MSD Result | MS Result | MSD Result | | | | | | | | |
| Sulfide | mg/L | ND | 0.5 | 0.5 | 0.38 | 0.37 | 76 | 75 | 80-120 | 2 | 10 | M1 | |

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QUALITY CONTROL DATA

Project: Background Wells

Pace Project No.: 92686676

QC Batch: 799296

Analysis Method: SM 4500-S2D-2011

QC Batch Method: SM 4500-S2D-2011

Analysis Description: 4500S2D Sulfide Water

Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92686676003

METHOD BLANK: 4140098

Matrix: Water

Associated Lab Samples: 92686676003

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|-------|----------------|------------|
| Sulfide | mg/L | ND | 0.10 | 0.022 | 09/13/23 02:23 | |

LABORATORY CONTROL SAMPLE: 4140099

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Sulfide | mg/L | 0.5 | 0.52 | 104 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4140102 4140103

| Parameter | Units | 92686679007 | | 4140102 | | 4140103 | | % Rec Limits | RPD | Max RPD | Qual | |
|-----------|-------|----------------|-----------------|-----------|------------|----------|-----------|--------------|--------|---------|------|--|
| | | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | | | | | |
| Sulfide | mg/L | ND | 0.5 | 0.5 | 0.44 | 0.43 | 87 | 85 | 80-120 | 1 | 10 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4140133 4140134

| Parameter | Units | 92686941002 | | 4140133 | | 4140134 | | % Rec Limits | RPD | Max RPD | Qual | |
|-----------|-------|----------------|-----------------|-----------|------------|----------|-----------|--------------|--------|---------|------|--|
| | | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | | | | | |
| Sulfide | mg/L | ND | 0.5 | 0.5 | 0.52 | 0.49 | 104 | 97 | 80-120 | 7 | 10 | |

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QUALITY CONTROL DATA

Project: Background Wells

Pace Project No.: 92686676

QC Batch: 798687 Analysis Method: EPA 300.0 Rev 2.1 1993
 QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
 Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92686676001, 92686676002

METHOD BLANK: 4136953 Matrix: Water

Associated Lab Samples: 92686676001, 92686676002

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|-------|----------------|------------|
| Chloride | mg/L | ND | 1.0 | 0.60 | 09/09/23 13:26 | |
| Fluoride | mg/L | ND | 0.10 | 0.050 | 09/09/23 13:26 | |
| Sulfate | mg/L | ND | 1.0 | 0.50 | 09/09/23 13:26 | |

LABORATORY CONTROL SAMPLE: 4136954

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Chloride | mg/L | 50 | 50.0 | 100 | 90-110 | |
| Fluoride | mg/L | 2.5 | 2.4 | 96 | 90-110 | |
| Sulfate | mg/L | 50 | 50.1 | 100 | 90-110 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4136955 4136956

| Parameter | Units | 92686882001 | | MSD | | MS | | MSD | | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|-------------|----------------|-----------------|--------|------------|-------|-----------|-----|--------------|-----|---------|------|
| | | Result | MS Spike Conc. | MSD Spike Conc. | Result | MSD Result | % Rec | MSD % Rec | | | | | |
| Chloride | mg/L | 23.0 | 50 | 50 | 75.9 | 75.9 | 106 | 106 | 106 | 90-110 | 0 | 10 | |
| Fluoride | mg/L | 0.13 | 2.5 | 2.5 | 2.6 | 2.7 | 101 | 101 | 101 | 90-110 | 1 | 10 | |
| Sulfate | mg/L | 13.2 | 50 | 50 | 66.5 | 66.7 | 107 | 107 | 107 | 90-110 | 0 | 10 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4136957 4136958

| Parameter | Units | 92686872001 | | MSD | | MS | | MSD | | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|-------------|----------------|-----------------|--------|------------|-------|-----------|----|--------------|-----|---------|------|
| | | Result | MS Spike Conc. | MSD Spike Conc. | Result | MSD Result | % Rec | MSD % Rec | | | | | |
| Chloride | mg/L | 840 | 50 | 50 | 885 | 882 | 89 | 82 | 82 | 90-110 | 0 | 10 M1 | |
| Fluoride | mg/L | 15.2 | 2.5 | 2.5 | 17.5 | 17.7 | 92 | 98 | 98 | 90-110 | 1 | 10 | |
| Sulfate | mg/L | 55.9 | 50 | 50 | 93.3 | 93.1 | 75 | 74 | 74 | 90-110 | 0 | 10 M1 | |

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QUALITY CONTROL DATA

Project: Background Wells

Pace Project No.: 92686676

| | |
|---|--|
| QC Batch: 799070 | Analysis Method: EPA 300.0 Rev 2.1 1993 |
| QC Batch Method: EPA 300.0 Rev 2.1 1993 | Analysis Description: 300.0 IC Anions |
| | Laboratory: Pace Analytical Services - Asheville |

Associated Lab Samples: 92686676003

METHOD BLANK: 4138708 Matrix: Water

Associated Lab Samples: 92686676003

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|-------|----------------|------------|
| Chloride | mg/L | ND | 1.0 | 0.60 | 09/12/23 12:51 | |
| Fluoride | mg/L | ND | 0.10 | 0.050 | 09/12/23 12:51 | |
| Sulfate | mg/L | ND | 1.0 | 0.50 | 09/12/23 12:51 | |

LABORATORY CONTROL SAMPLE: 4138709

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Chloride | mg/L | 50 | 49.6 | 99 | 90-110 | |
| Fluoride | mg/L | 2.5 | 2.6 | 103 | 90-110 | |
| Sulfate | mg/L | 50 | 50.1 | 100 | 90-110 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4138710 4138711

| Parameter | Units | 92687087001 | | MS | | MSD | | % Rec | % Rec | % Rec | Limits | RPD | Max | Qual |
|-----------|-------|-------------|-------|-------------|-------|--------|--------|-------|--------|-------|--------|-----|-----|------|
| | | Result | Conc. | Spike Conc. | Conc. | Result | Result | | | | | | | |
| Chloride | mg/L | 8.0 | 50 | 50 | 59.4 | 59.8 | 103 | 104 | 90-110 | 1 | 10 | | | |
| Fluoride | mg/L | 0.63 | 2.5 | 2.5 | 3.5 | 3.5 | 113 | 115 | 90-110 | 1 | 10 | M1 | | |
| Sulfate | mg/L | 9.9 | 50 | 50 | 60.7 | 61.4 | 102 | 103 | 90-110 | 1 | 10 | | | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4138712 4138713

| Parameter | Units | 92686677010 | | MS | | MSD | | % Rec | % Rec | % Rec | Limits | RPD | Max | Qual |
|-----------|-------|-------------|-------|-------------|-------|--------|--------|-------|--------|-------|--------|-----|-----|------|
| | | Result | Conc. | Spike Conc. | Conc. | Result | Result | | | | | | | |
| Chloride | mg/L | ND | 50 | 50 | 52.1 | 53.1 | 104 | 106 | 90-110 | 2 | 10 | | | |
| Fluoride | mg/L | ND | 2.5 | 2.5 | 2.7 | 2.7 | 109 | 108 | 90-110 | 0 | 10 | | | |
| Sulfate | mg/L | ND | 50 | 50 | 52.7 | 54.0 | 105 | 108 | 90-110 | 2 | 10 | | | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.



QUALIFIERS

Project: Background Wells

Pace Project No.: 92686676

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Background Wells

Pace Project No.: 92686676

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|--------------|------------------------|----------|-------------------|------------------|
| 92686676001 | MCD-DGWA-70A | EPA 3010A | 798622 | EPA 6010D | 798709 |
| 92686676002 | MCD-DGWA-71 | EPA 3010A | 798622 | EPA 6010D | 798709 |
| 92686676003 | MCD-DGWA-53 | EPA 3010A | 798869 | EPA 6010D | 798954 |
| 92686676001 | MCD-DGWA-70A | EPA 3005A | 798623 | EPA 6020B | 798699 |
| 92686676002 | MCD-DGWA-71 | EPA 3005A | 798623 | EPA 6020B | 798699 |
| 92686676003 | MCD-DGWA-53 | EPA 3005A | 798903 | EPA 6020B | 798992 |
| 92686676003 | MCD-DGWA-53 | EPA 7470A | 803461 | EPA 7470A | 803573 |
| 92686676001 | MCD-DGWA-70A | SM 2540C-2015 | 798883 | | |
| 92686676002 | MCD-DGWA-71 | SM 2540C-2015 | 798883 | | |
| 92686676003 | MCD-DGWA-53 | SM 2540C-2015 | 799142 | | |
| 92686676001 | MCD-DGWA-70A | EPA 7470A | 800476 | EPA 7470A | 800627 |
| 92686676002 | MCD-DGWA-71 | EPA 7470A | 800476 | EPA 7470A | 800627 |
| 92686676001 | MCD-DGWA-70A | SM 2320B-2011 | 798842 | | |
| 92686676002 | MCD-DGWA-71 | SM 2320B-2011 | 798842 | | |
| 92686676003 | MCD-DGWA-53 | SM 2320B-2011 | 799173 | | |
| 92686676001 | MCD-DGWA-70A | SM 4500-S2D-2011 | 798662 | | |
| 92686676002 | MCD-DGWA-71 | SM 4500-S2D-2011 | 798662 | | |
| 92686676003 | MCD-DGWA-53 | SM 4500-S2D-2011 | 799296 | | |
| 92686676001 | MCD-DGWA-70A | EPA 300.0 Rev 2.1 1993 | 798687 | | |
| 92686676002 | MCD-DGWA-71 | EPA 300.0 Rev 2.1 1993 | 798687 | | |
| 92686676003 | MCD-DGWA-53 | EPA 300.0 Rev 2.1 1993 | 799070 | | |

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.



DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Me

Sample Condition Upon Receipt

Client Name:

Gen - Power

Project #:

WO#: 92686676



92686676

Courier: Fed Ex UPS USPS Client
 Commercial Pace Other:

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: *9-7-23 JCC*

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen?

Yes No N/A

Thermometer:

IR Gun ID: *230* Type of Ice: Wet Blue None

Cooler Temp: *23* Correction Factor: Add/Subtract (°C) *0.0*

Temp should be above freezing to 6°C

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

Cooler Temp Corrected (°C): *2.3*

USDA Regulated Soil (N/A, water sample)

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

WO#: 92686676

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

PM: BV

Due Date: 09/21/23

**Bottom half of box is to list number of bottles

CLIENT: 92-GA Power

***Check all unpreserved Nitrates for chlorine

| Item# | BP4U-125 mL Plastic Unpreserved (N/A) (Cl-) | BP3U-250 mL Plastic Unpreserved (N/A) | BP2U-500 mL Plastic Unpreserved (N/A) | BP1U-1 liter Plastic Unpreserved (N/A) | BP4S-125 mL Plastic H2SO4 (pH < 2)(Cl-) | BP3N-250 mL plastic HNO3 (pH < 2) | BP4Z-125 mL Plastic Zn Acetate & NaOH (>9) | BP4B-125 mL Plastic NaOH (pH > 12) (Cl-) | WGFU-Wide-mouthed Glass jar Unpreserved | AG1U-1 liter Amber Unpreserved (N/A) (Cl-) | AG1H-1 liter Amber HCl (pH < 2) | AG3U-250 mL Amber Unpreserved (N/A) (Cl-) | AG1S-1 liter Amber H2SO4 (pH < 2) | AG3S-250 mL Amber H2SO4 (pH < 2) | DG9A-40 mL Amber NH4Cl (N/A)(Cl-) | DG9H-40 mL VOA HCl (N/A) | VG9T-40 mL VOA Na2S2O3 (N/A) | VG9U-40 mL VOA Unpreserved (N/A) | DG9V-40 mL VOA H3PO4 (N/A) | KP7U-50 mL Plastic Unpreserved (N/A) | V/GK (3 vials per kit)-VPH/Gas kit (N/A) | SP5T-125 mL Sterile Plastic (N/A - lab) | SP2T-250 mL Sterile Plastic (N/A - lab) | BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7) | AG0U-100 mL Amber Unpreserved (N/A) (Cl-) | VSGU-20 mL Scintillation vials (N/A) | DG9U-40 mL Amber Unpreserved vials (N/A) | | |
|-------|---|---------------------------------------|---------------------------------------|--|---|-----------------------------------|--|--|---|--|---------------------------------|---|-----------------------------------|----------------------------------|-----------------------------------|--------------------------|------------------------------|----------------------------------|----------------------------|--------------------------------------|--|---|---|---|---|--------------------------------------|--|--|--|
| 1 | | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

pH Adjustment Log for Preserved Samples

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

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



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required client information: Company: Georgia Power - Coal Distribution - Radcliff Address: 2480 Weaver Road Atlanta, GA 30338 Email: gpc@epa.com Date: 10 Day FAT

Section B Required Project Information: Project Name: Background Walk Project #: ST0404040223

Section C Invoicing Information: Invoice Number: southernsouthwestern.com Company Name: Address: Phone Number: 1-800-225-5329

Requester Agency: Georgia Power

1 of 1

| Requester Information | | Project Information | | Invoicing Information | |
|-----------------------|--|---------------------|-----------------|-----------------------|--------------------------|
| Company: | Georgia Power - Coal Distribution - Radcliff | Project Name: | Background Walk | Invoice Number: | southernsouthwestern.com |
| Address: | 2480 Weaver Road Atlanta, GA 30338 | Project #: | ST0404040223 | Company Name: | |
| Email: | gpc@epa.com | Requested Date: | 10 Day FAT | Address: | |
| Phone: | (478) 820-8178 | Requested Date: | 10 Day FAT | Phone Number: | 1-800-225-5329 |

| ITEM # | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | DATE | TIME | SAMPLE TEMP AT COLLECTION | PRESERVATIVES | | ANALYSES TEST | RESIDUAL CHLORINE (Y/N) | | | | | | | | | | |
|--------|---------------------------------------|-----------------------------|------|-------|---------------------------|-----------------|-------------------|---------------|-------------------------|---|---|---|---|---|---|---|---|--|--|
| | | | | | | # OF CONTAINERS | UNPRESERVED - Ice | | | | | | | | | | | | |
| 1 | MCD-DGWA-70A | G | 6/23 | 12:45 | 7 | 7 | 3 | 3 | 3 | | | | | | | | | | |
| 2 | MCD-DGWA-71 | G | 6/23 | 18:09 | 7 | 7 | 3 | 3 | 3 | X | X | X | X | X | X | X | X | | |
| 3 | | | | | | | | | | X | X | X | X | X | X | X | X | | |
| 4 | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | |

| DATE | TIME | APPROVED BY | DATE |
|------|-------|-------------|------|
| 6/23 | 12:45 | [Signature] | 6/23 |
| 6/23 | 18:09 | [Signature] | 6/23 |

| TEMP in C | Received on ice (Y/N) | Clarity Sealed (Y/N) | Cooler (Y/N) | Samples Intact (Y/N) |
|-----------|-----------------------|----------------------|--------------|----------------------|
| | | | | |



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name: GA Power

Project # WO#: 92686676

Courier: Fed Ex UPS USPS Client Commercial Pace Other:

PM: BV Due Date: 09/21/23 CLIENT: 92-GA Power

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 9/8/23

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer:

IR Gun ID: 230 Type of Ice: Wet Blue None

Cooler Temp: 4.1 Correction Factor: Add/Subtract (°C) 0.0

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

Cooler Temp Corrected (°C): 4.1

USDA Regulated Soil (N/A, water sample)

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

WO#: 92686676

Project #

PM: BV

Due Date: 09/21/23

CLIENT: 92-GR Power

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

| Item# | BP4U-125 mL Plastic Unpreserved (N/A) (Cl-) | BP3U-250 mL Plastic Unpreserved (N/A) | BP2U-500 mL Plastic Unpreserved (N/A) | BP1U-1 liter Plastic Unpreserved (N/A) | BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-) | BP3N-250 mL plastic HNO3 (pH < 2) | BP4Z-125 mL Plastic Zn Acetate & NaOH (>9) | BP4B-125 mL Plastic NaOH (pH > 12) (Cl-) | WGFLU-Wide-mouthed Glass jar Unpreserved | AG1U-1 liter Amber Unpreserved (N/A) (Cl-) | AG1H-1 liter Amber HCl (pH < 2) | AG3U-250 mL Amber Unpreserved (N/A) (Cl-) | AG1S-1 liter Amber H2SO4 (pH < 2) | AG3S-250 mL Amber H2SO4 (pH < 2) | DG94-40 mL Amber NH4Cl (N/A)(Cl-) | DG9H-40 mL VOA HCl (N/A) | VG9T-40 mL VOA Na2S2O3 (N/A) | VG9U-40 mL VOA Unpreserved (N/A) | DG9V-40 mL VOA H3PO4 (N/A) | KP7U-50 mL Plastic Unpreserved (N/A) | V/GK (3 vials per kit)-VPH/Gas kit (N/A) | SP5T-125 mL Sterile Plastic (N/A - lab) | SP2T-250 mL Sterile Plastic (N/A - lab) | BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7) | AG0U-100 mL Amber Unpreserved (N/A) (Cl-) | V5GU-20 mL Scintillation vials (N/A) | DG9U-40 mL Amber Unpreserved vials (N/A) | | |
|-------|---|---------------------------------------|---------------------------------------|--|--|-----------------------------------|--|--|--|--|---------------------------------|---|-----------------------------------|----------------------------------|-----------------------------------|--------------------------|------------------------------|----------------------------------|----------------------------|--------------------------------------|--|---|---|---|---|--------------------------------------|--|--|--|
| 1 | 2 | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

pH Adjustment Log for Preserved Samples

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

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



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
Requested Client Information:

1 of 1

Company: Georgia Power - Coal Combustion Residuals
Address: 2480 Mather Road
 Atlanta, GA 30339
Phone: (478) 626-6176
Requested Date: 16 Dec 2017

Report To: Lauren Collier
Copy To: WSP
Project Name: Background Wells
Project #: 31405440.M0323

Invoice Information:
Attention: acs@epa.gov
Company Name: Southwestern
Address:
City:
State:
Zip:
Project Manager: Bonnie Vang
Price Profile #:
Regulatory Agency:
State / Location: GA

SAMPLE ID
 One Character per box.
 (A-Z, 0-9 / .)
 Sample IDs must be unique

MATRIX CODE (see valid codes to left)

SAMPLE TYPE (G=GRAB C=COMP)

DATE **TIME**

SAMPLE TEMP AT COLLECTION

OF CONTAINERS

Preservatives
 Unpreserved - Ice
 H2SO4
 HNO3 + Ice
 HCl
 NaOH + Zn Acetate
 H2S2O3
 Methanol
 Other

Analysis Test

Requested Analysis Filtered (Y/N)

Residual Chlorine (Y/N)

TEMP in C

Received on (Y/N)
Sealed (Y/N)
Cooled (Y/N)
Samples (Y/N)

| ITEM # | MATRIX CODE | SAMPLE TYPE | DATE | TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Preservatives | Analysis Test | Requested Analysis Filtered (Y/N) | Residual Chlorine (Y/N) | TEMP in C | Received on (Y/N) | Sealed (Y/N) | Cooled (Y/N) | Samples (Y/N) |
|--------|-------------|-------------|--------|-------|---------------------------|-----------------|-------------------|---------------|-----------------------------------|-------------------------|-----------|-------------------|--------------|--------------|---------------|
| 1 | MCD-DGWA-53 | G | 9/7/23 | 10:53 | 7 | 3 | Unpreserved - Ice | X | X | X | X | X | X | X | X |
| 2 | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | |

ADDITIONAL COMMENTS:
 MCD-DGWA-53
 REQUESTED BY / APPLICATION: WSP
 DATE: 09/08/23
 TIME: 11:50
 ACCEPTED BY / APPLICATION: JCC - PILE
 DATE: 9/13/23



October 17, 2023

Lauren Hartley
Southern Co.
241 Ralph McGill Blvd
NE, Bin 10160
Atlanta, GA 30308

RE: Project: Plant McD AP-234 Assessment
Pace Project No.: 92686679

Dear Lauren Hartley:

Enclosed are the analytical results for sample(s) received by the laboratory between September 07, 2023 and September 14, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

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

Revision 1: Amend collected time on MCD-B-102D & MCD-B-107D..

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

Sincerely,

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

Enclosures

cc: Yong Cheng, WSP
Daniela Herrera, Golder
Andrea McClure, WSP
Laura Midkiff, Southern Co.
Dawn Prell, WSP USA E&I Inc_Atlanta



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804

Florida/NELAP Certification #: E87648

North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40

South Carolina Laboratory ID: 99030

South Carolina Certification #: 99030001

Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|----------------|--------|----------------|----------------|
| 92686679001 | MCD-B-93 | Water | 09/06/23 11:49 | 09/07/23 09:00 |
| 92686679002 | MCD-B-92 | Water | 09/06/23 11:38 | 09/07/23 09:00 |
| 92686679003 | MCD-B-97 | Water | 09/06/23 13:20 | 09/07/23 09:00 |
| 92686679004 | MCD-B-98 | Water | 09/06/23 15:19 | 09/07/23 09:00 |
| 92686679005 | MCD-AP234-FB-4 | Water | 09/06/23 11:30 | 09/07/23 09:00 |
| 92686679006 | MCD-AP234-EB-4 | Water | 09/06/23 12:00 | 09/07/23 09:00 |
| 92686679007 | MCD-B-63 | Water | 09/07/23 12:06 | 09/08/23 15:50 |
| 92686679008 | MCD-B-122D | Water | 09/07/23 15:11 | 09/08/23 15:50 |
| 92686679009 | MCD-B-101D | Water | 09/08/23 10:35 | 09/08/23 15:50 |
| 92686679010 | MCD-B-56 | Water | 09/08/23 10:38 | 09/08/23 15:50 |
| 92686679011 | MCD-AP234-FD-5 | Water | 09/07/23 00:00 | 09/08/23 15:50 |
| 92686679012 | MCD-AP234-FB-5 | Water | 09/07/23 12:35 | 09/08/23 15:50 |
| 92686679013 | MCD-B-102D | Water | 09/11/23 10:46 | 09/12/23 08:30 |
| 92686679014 | MCD-B-82 | Water | 09/11/23 11:57 | 09/12/23 08:30 |
| 92686679015 | MCD-B-66 | Water | 09/11/23 13:57 | 09/12/23 08:30 |
| 92686679016 | MCD-B-106D | Water | 09/11/23 15:38 | 09/12/23 08:30 |
| 92686679017 | MCD-AP234-FD-4 | Water | 09/11/23 00:00 | 09/12/23 08:30 |
| 92686679018 | MCD-AP234-EB-5 | Water | 09/11/23 11:55 | 09/12/23 08:30 |
| 92686679019 | MCD-B-77 | Water | 09/12/23 11:06 | 09/13/23 08:36 |
| 92686679020 | MCD-B-83 | Water | 09/12/23 13:03 | 09/13/23 08:36 |
| 92686679021 | MCD-B-88 | Water | 09/12/23 14:10 | 09/13/23 08:36 |
| 92686679022 | MCD-B-107D | Water | 09/12/23 09:46 | 09/13/23 08:36 |
| 92686679023 | MCD-B-120D | Water | 09/12/23 09:38 | 09/13/23 08:36 |
| 92686679024 | MCD-B-104D | Water | 09/13/23 12:34 | 09/14/23 14:22 |
| 92686679025 | MCD-B-108D | Water | 09/13/23 13:54 | 09/14/23 14:22 |
| 92686679026 | MCD-B-111D | Water | 09/13/23 12:42 | 09/14/23 14:22 |
| 92686679027 | MCD-B-125D | Water | 09/14/23 10:00 | 09/14/23 14:22 |

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| Lab ID | Sample ID | Method | Analysts | Analytes Reported |
|-------------|----------------|------------------------|----------|-------------------|
| 92686679001 | MCD-B-93 | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | EPA 7470A | BM | 1 |
| | | SM 2320B-2011 | YEG | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | JCM | 3 |
| 92686679002 | MCD-B-92 | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | EPA 7470A | BM | 1 |
| | | SM 2320B-2011 | YEG | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | JCM | 3 |
| 92686679003 | MCD-B-97 | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | EPA 7470A | BM | 1 |
| | | SM 2320B-2011 | YEG | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | JCM | 3 |
| 92686679004 | MCD-B-98 | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | EPA 7470A | BM | 1 |
| | | SM 2320B-2011 | YEG | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | JCM | 3 |
| 92686679005 | MCD-AP234-FB-4 | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | EPA 7470A | BM | 1 |
| | | SM 2320B-2011 | YEG | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | JCM | 3 |
| 92686679006 | MCD-AP234-EB-4 | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |

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SAMPLE ANALYTE COUNT

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| Lab ID | Sample ID | Method | Analysts | Analytes Reported |
|-------------|----------------|------------------------|----------|-------------------|
| 92686679007 | MCD-B-63 | SM 2540C-2015 | DL1 | 1 |
| | | EPA 7470A | BM | 1 |
| | | SM 2320B-2011 | YEG | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | JCM | 3 |
| | | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | SM 2320B-2011 | SMS | 3 |
| 92686679008 | MCD-B-122D | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | CDC | 3 |
| | | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | CDC | 3 |
| | | EPA 6010D | DRB | 5 |
| 92686679009 | MCD-B-101D | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | CDC | 3 |
| | | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| 92686679010 | MCD-B-56 | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | CDC | 3 |
| | | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | CDC | 3 |
| 92686679011 | MCD-AP234-FD-5 | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | | | |

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SAMPLE ANALYTE COUNT

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| Lab ID | Sample ID | Method | Analysts | Analytes Reported |
|-------------|----------------|------------------------|----------|-------------------|
| 92686679012 | MCD-AP234-FB-5 | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | CDC | 3 |
| | | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| 92686679013 | MCD-B-102D | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | CDC | 3 |
| | | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| 92686679014 | MCD-B-82 | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | CDC | 3 |
| | | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| 92686679015 | MCD-B-66 | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | CDC | 3 |
| | | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| 92686679016 | MCD-B-106D | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | CDC | 3 |
| | | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |

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SAMPLE ANALYTE COUNT

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| Lab ID | Sample ID | Method | Analysts | Analytes Reported |
|-------------|----------------|------------------------|----------|-------------------|
| 92686679017 | MCD-AP234-FD-4 | EPA 300.0 Rev 2.1 1993 | CDC | 3 |
| | | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| 92686679018 | MCD-AP234-EB-5 | EPA 300.0 Rev 2.1 1993 | CDC | 3 |
| | | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| 92686679019 | MCD-B-77 | EPA 300.0 Rev 2.1 1993 | CDC | 3 |
| | | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | SM 2320B-2011 | YEG | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| 92686679020 | MCD-B-83 | EPA 300.0 Rev 2.1 1993 | CDC | 3 |
| | | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | SM 2320B-2011 | YEG | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| 92686679021 | MCD-B-88 | EPA 300.0 Rev 2.1 1993 | CDC | 3 |
| | | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | SM 2320B-2011 | YEG | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| 92686679022 | MCD-B-107D | EPA 300.0 Rev 2.1 1993 | CDC | 3 |
| | | EPA 6010D | DRB | 5 |

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SAMPLE ANALYTE COUNT

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| Lab ID | Sample ID | Method | Analysts | Analytes Reported |
|-------------|------------|------------------------|----------|-------------------|
| 92686679023 | MCD-B-120D | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | SM 2320B-2011 | YEG | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | CDC | 3 |
| | | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| 92686679024 | MCD-B-104D | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | CDC | 3 |
| | | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | CDC, JCM | 3 |
| 92686679025 | MCD-B-108D | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | CDC, JCM | 3 |
| | | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| 92686679026 | MCD-B-111D | SM 2540C-2015 | DL1 | 1 |
| | | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | CDC, JCM | 3 |
| | | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| 92686679027 | MCD-B-125D | EPA 300.0 Rev 2.1 1993 | CDC, JCM | 3 |
| | | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |

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SAMPLE ANALYTE COUNT

Project: Plant McD AP-234 Assessment
Pace Project No.: 92686679

| Lab ID | Sample ID | Method | Analysts | Analytes Reported |
|--------|-----------|------------------------|----------|-------------------|
| | | SM 2540C-2015 | DL1 | 1 |
| | | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | CDC, JCM | 3 |

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

Sample: MCD-B-93 **Lab ID: 92686679001** Collected: 09/06/23 11:49 Received: 09/07/23 09:00 Matrix: Water

| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual |
|---|---------------|-------|---------|----------|----|----------------|----------------|------------|------|
| | | | Limit | MDL | DF | | | | |
| 6010D ATL ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Iron | ND | mg/L | 0.040 | 0.025 | 1 | 09/09/23 08:25 | 09/11/23 21:12 | 7439-89-6 | |
| Potassium | 6.3 | mg/L | 0.50 | 0.15 | 1 | 09/09/23 08:25 | 09/11/23 21:12 | 7440-09-7 | |
| Sodium | 26.1 | mg/L | 1.0 | 0.58 | 1 | 09/09/23 08:25 | 09/11/23 21:12 | 7440-23-5 | |
| Calcium | 148 | mg/L | 1.0 | 0.12 | 1 | 09/09/23 08:25 | 09/11/23 21:12 | 7440-70-2 | |
| Magnesium | 25.5 | mg/L | 0.050 | 0.012 | 1 | 09/09/23 08:25 | 09/11/23 21:12 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/09/23 08:50 | 09/13/23 13:16 | 7440-36-0 | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/09/23 08:50 | 09/13/23 13:16 | 7440-38-2 | |
| Barium | 0.017 | mg/L | 0.0050 | 0.00067 | 1 | 09/09/23 08:50 | 09/14/23 17:10 | 7440-39-3 | |
| Beryllium | 0.014 | mg/L | 0.00050 | 0.000054 | 1 | 09/09/23 08:50 | 09/13/23 13:16 | 7440-41-7 | |
| Boron | 3.0 | mg/L | 0.040 | 0.0086 | 1 | 09/09/23 08:50 | 09/13/23 13:16 | 7440-42-8 | |
| Cadmium | 0.0010 | mg/L | 0.00050 | 0.00011 | 1 | 09/09/23 08:50 | 09/13/23 13:16 | 7440-43-9 | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/09/23 08:50 | 09/13/23 13:16 | 7440-47-3 | |
| Cobalt | 0.041 | mg/L | 0.0050 | 0.00039 | 1 | 09/09/23 08:50 | 09/13/23 13:16 | 7440-48-4 | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/09/23 08:50 | 09/13/23 13:16 | 7439-92-1 | |
| Lithium | 0.013J | mg/L | 0.030 | 0.00073 | 1 | 09/09/23 08:50 | 09/13/23 13:16 | 7439-93-2 | |
| Molybdenum | ND | mg/L | 0.010 | 0.00074 | 1 | 09/09/23 08:50 | 09/13/23 13:16 | 7439-98-7 | |
| Selenium | 0.0071 | mg/L | 0.0050 | 0.0014 | 1 | 09/09/23 08:50 | 09/13/23 13:16 | 7782-49-2 | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/09/23 08:50 | 09/13/23 13:16 | 7440-28-0 | |
| 2540C Total Dissolved Solids | | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Total Dissolved Solids | 1020 | mg/L | 25.0 | 25.0 | 1 | | 09/11/23 13:28 | | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470A Preparation Method: EPA 7470A | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00012 | 1 | 09/19/23 17:10 | 09/20/23 13:52 | 7439-97-6 | |
| 2320B Alkalinity | | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | 9.5 | mg/L | 5.0 | 5.0 | 1 | | 09/11/23 15:52 | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/11/23 15:52 | | |
| Alkalinity, Total as CaCO3 | 9.5 | mg/L | 5.0 | 5.0 | 1 | | 09/11/23 15:52 | | |
| 4500S2D Sulfide Water | | | | | | | | | |
| Analytical Method: SM 4500-S2D-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/09/23 04:34 | 18496-25-8 | |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Chloride | 16.8 | mg/L | 1.0 | 0.60 | 1 | | 09/09/23 19:52 | 16887-00-6 | |
| Fluoride | 0.26 | mg/L | 0.10 | 0.050 | 1 | | 09/09/23 19:52 | 16984-48-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| Sample: MCD-B-93 | | Lab ID: 92686679001 | | Collected: 09/06/23 11:49 | Received: 09/07/23 09:00 | Matrix: Water | | | |
|--------------------------------|---------|---|--------------|---------------------------|--------------------------|---------------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | |
| Sulfate | 555 | mg/L | 11.0 | 5.5 | 11 | | 09/10/23 05:09 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

Sample: MCD-B-92 **Lab ID: 92686679002** Collected: 09/06/23 11:38 Received: 09/07/23 09:00 Matrix: Water

| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual |
|---|----------------|-------|---------|----------|----|----------------|----------------|------------|------|
| | | | Limit | MDL | DF | | | | |
| 6010D ATL ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Iron | 0.080 | mg/L | 0.040 | 0.025 | 1 | 09/09/23 08:25 | 09/11/23 21:28 | 7439-89-6 | |
| Potassium | 6.4 | mg/L | 0.50 | 0.15 | 1 | 09/09/23 08:25 | 09/11/23 21:28 | 7440-09-7 | |
| Sodium | 29.6 | mg/L | 1.0 | 0.58 | 1 | 09/09/23 08:25 | 09/11/23 21:28 | 7440-23-5 | |
| Calcium | 158 | mg/L | 1.0 | 0.12 | 1 | 09/09/23 08:25 | 09/11/23 21:28 | 7440-70-2 | |
| Magnesium | 27.0 | mg/L | 0.050 | 0.012 | 1 | 09/09/23 08:25 | 09/11/23 21:28 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/09/23 08:50 | 09/13/23 13:34 | 7440-36-0 | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/09/23 08:50 | 09/13/23 13:34 | 7440-38-2 | |
| Barium | 0.013 | mg/L | 0.0050 | 0.00067 | 1 | 09/09/23 08:50 | 09/13/23 13:34 | 7440-39-3 | |
| Beryllium | 0.013 | mg/L | 0.00050 | 0.000054 | 1 | 09/09/23 08:50 | 09/13/23 13:34 | 7440-41-7 | |
| Boron | 3.2 | mg/L | 0.040 | 0.0086 | 1 | 09/09/23 08:50 | 09/13/23 13:34 | 7440-42-8 | |
| Cadmium | 0.00080 | mg/L | 0.00050 | 0.00011 | 1 | 09/09/23 08:50 | 09/13/23 13:34 | 7440-43-9 | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/09/23 08:50 | 09/13/23 13:34 | 7440-47-3 | |
| Cobalt | 0.034 | mg/L | 0.0050 | 0.00039 | 1 | 09/09/23 08:50 | 09/13/23 13:34 | 7440-48-4 | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/09/23 08:50 | 09/13/23 13:34 | 7439-92-1 | |
| Lithium | 0.0095J | mg/L | 0.030 | 0.00073 | 1 | 09/09/23 08:50 | 09/13/23 13:34 | 7439-93-2 | |
| Molybdenum | ND | mg/L | 0.010 | 0.00074 | 1 | 09/09/23 08:50 | 09/13/23 13:34 | 7439-98-7 | |
| Selenium | 0.0049J | mg/L | 0.0050 | 0.0014 | 1 | 09/09/23 08:50 | 09/13/23 13:34 | 7782-49-2 | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/09/23 08:50 | 09/13/23 13:34 | 7440-28-0 | |
| 2540C Total Dissolved Solids | | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Total Dissolved Solids | 1020 | mg/L | 25.0 | 25.0 | 1 | | 09/11/23 13:28 | | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470A Preparation Method: EPA 7470A | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00012 | 1 | 09/19/23 17:10 | 09/20/23 13:55 | 7439-97-6 | |
| 2320B Alkalinity | | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/11/23 16:09 | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/11/23 16:09 | | |
| Alkalinity, Total as CaCO3 | ND | mg/L | 5.0 | 5.0 | 1 | | 09/11/23 16:09 | | |
| 4500S2D Sulfide Water | | | | | | | | | |
| Analytical Method: SM 4500-S2D-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/09/23 04:35 | 18496-25-8 | |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Chloride | 13.6 | mg/L | 1.0 | 0.60 | 1 | | 09/09/23 20:35 | 16887-00-6 | |
| Fluoride | 0.26 | mg/L | 0.10 | 0.050 | 1 | | 09/09/23 20:35 | 16984-48-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| Sample: MCD-B-92 | | Lab ID: 92686679002 | | Collected: 09/06/23 11:38 | | Received: 09/07/23 09:00 | | Matrix: Water | |
|--------------------------------|---------|---|--------------|---------------------------|----|--------------------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | |
| Sulfate | 531 | mg/L | 11.0 | 5.5 | 11 | | 09/10/23 05:23 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| Sample: MCD-B-97 | | Lab ID: 92686679003 | | Collected: 09/06/23 13:20 | | Received: 09/07/23 09:00 | | Matrix: Water | | |
|-------------------------------------|---------|--|---------|---------------------------|----|--------------------------|----------------|---------------|------|--|
| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual | |
| | | | Limit | MDL | DF | | | | | |
| 6010D ATL ICP | | Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Iron | ND | mg/L | 0.040 | 0.025 | 1 | 09/09/23 08:25 | 09/11/23 21:33 | 7439-89-6 | | |
| Potassium | 5.7 | mg/L | 0.50 | 0.15 | 1 | 09/09/23 08:25 | 09/11/23 21:33 | 7440-09-7 | | |
| Sodium | 41.8 | mg/L | 1.0 | 0.58 | 1 | 09/09/23 08:25 | 09/11/23 21:33 | 7440-23-5 | | |
| Calcium | 220 | mg/L | 1.0 | 0.12 | 1 | 09/09/23 08:25 | 09/11/23 21:33 | 7440-70-2 | | |
| Magnesium | 35.8 | mg/L | 0.050 | 0.012 | 1 | 09/09/23 08:25 | 09/11/23 21:33 | 7439-95-4 | | |
| 6020 MET ICPMS | | Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/09/23 08:50 | 09/13/23 13:38 | 7440-36-0 | | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/09/23 08:50 | 09/13/23 13:38 | 7440-38-2 | | |
| Barium | 0.020 | mg/L | 0.0050 | 0.00067 | 1 | 09/09/23 08:50 | 09/13/23 13:38 | 7440-39-3 | | |
| Beryllium | 0.0016 | mg/L | 0.00050 | 0.000054 | 1 | 09/09/23 08:50 | 09/13/23 13:38 | 7440-41-7 | | |
| Boron | 3.7 | mg/L | 0.040 | 0.0086 | 1 | 09/09/23 08:50 | 09/13/23 13:38 | 7440-42-8 | | |
| Cadmium | 0.00059 | mg/L | 0.00050 | 0.00011 | 1 | 09/09/23 08:50 | 09/13/23 13:38 | 7440-43-9 | | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/09/23 08:50 | 09/13/23 13:38 | 7440-47-3 | | |
| Cobalt | 0.0029J | mg/L | 0.0050 | 0.00039 | 1 | 09/09/23 08:50 | 09/13/23 13:38 | 7440-48-4 | | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/09/23 08:50 | 09/13/23 13:38 | 7439-92-1 | | |
| Lithium | 0.0045J | mg/L | 0.030 | 0.00073 | 1 | 09/09/23 08:50 | 09/13/23 13:38 | 7439-93-2 | | |
| Molybdenum | ND | mg/L | 0.010 | 0.00074 | 1 | 09/09/23 08:50 | 09/13/23 13:38 | 7439-98-7 | | |
| Selenium | 0.0031J | mg/L | 0.0050 | 0.0014 | 1 | 09/09/23 08:50 | 09/13/23 13:38 | 7782-49-2 | | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/09/23 08:50 | 09/13/23 13:38 | 7440-28-0 | | |
| 2540C Total Dissolved Solids | | Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Total Dissolved Solids | 1190 | mg/L | 25.0 | 25.0 | 1 | | 09/11/23 13:28 | | | |
| 7470 Mercury | | Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00012 | 1 | 09/19/23 17:10 | 09/20/23 14:01 | 7439-97-6 | | |
| 2320B Alkalinity | | Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | 60.3 | mg/L | 5.0 | 5.0 | 1 | | 09/11/23 16:14 | | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/11/23 16:14 | | | |
| Alkalinity, Total as CaCO3 | 60.3 | mg/L | 5.0 | 5.0 | 1 | | 09/11/23 16:14 | | | |
| 4500S2D Sulfide Water | | Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/09/23 04:36 | 18496-25-8 | | |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | | |
| Chloride | 17.2 | mg/L | 1.0 | 0.60 | 1 | | 09/09/23 20:49 | 16887-00-6 | | |
| Fluoride | 0.085J | mg/L | 0.10 | 0.050 | 1 | | 09/09/23 20:49 | 16984-48-8 | | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

Sample: MCD-B-97 Lab ID: 92686679003 Collected: 09/06/23 13:20 Received: 09/07/23 09:00 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|--------------|-----|----|----------|----------------|------------|------|
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfate | 639 | mg/L | 13.0 | 6.5 | 13 | | 09/10/23 05:37 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| Sample: MCD-B-98 | | Lab ID: 92686679004 | | Collected: 09/06/23 15:19 | | Received: 09/07/23 09:00 | | Matrix: Water | | |
|-------------------------------------|----------|--|---------|---------------------------|----|--------------------------|----------------|---------------|------|--|
| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual | |
| | | | Limit | MDL | DF | | | | | |
| 6010D ATL ICP | | Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Iron | 0.081 | mg/L | 0.040 | 0.025 | 1 | 09/09/23 08:25 | 09/11/23 21:38 | 7439-89-6 | | |
| Potassium | 5.0 | mg/L | 0.50 | 0.15 | 1 | 09/09/23 08:25 | 09/11/23 21:38 | 7440-09-7 | | |
| Sodium | 4.2 | mg/L | 1.0 | 0.58 | 1 | 09/09/23 08:25 | 09/11/23 21:38 | 7440-23-5 | | |
| Calcium | 43.2 | mg/L | 1.0 | 0.12 | 1 | 09/09/23 08:25 | 09/11/23 21:38 | 7440-70-2 | | |
| Magnesium | 2.8 | mg/L | 0.050 | 0.012 | 1 | 09/09/23 08:25 | 09/11/23 21:38 | 7439-95-4 | | |
| 6020 MET ICPMS | | Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/09/23 08:50 | 09/13/23 13:42 | 7440-36-0 | | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/09/23 08:50 | 09/13/23 13:42 | 7440-38-2 | | |
| Barium | 0.051 | mg/L | 0.0050 | 0.00067 | 1 | 09/09/23 08:50 | 09/13/23 13:42 | 7440-39-3 | | |
| Beryllium | ND | mg/L | 0.00050 | 0.000054 | 1 | 09/09/23 08:50 | 09/13/23 13:42 | 7440-41-7 | | |
| Boron | 0.30 | mg/L | 0.040 | 0.0086 | 1 | 09/09/23 08:50 | 09/13/23 13:42 | 7440-42-8 | | |
| Cadmium | 0.00015J | mg/L | 0.00050 | 0.00011 | 1 | 09/09/23 08:50 | 09/13/23 13:42 | 7440-43-9 | | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/09/23 08:50 | 09/13/23 13:42 | 7440-47-3 | | |
| Cobalt | ND | mg/L | 0.0050 | 0.00039 | 1 | 09/09/23 08:50 | 09/13/23 13:42 | 7440-48-4 | | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/09/23 08:50 | 09/13/23 13:42 | 7439-92-1 | | |
| Lithium | 0.00097J | mg/L | 0.030 | 0.00073 | 1 | 09/09/23 08:50 | 09/13/23 13:42 | 7439-93-2 | | |
| Molybdenum | 0.00075J | mg/L | 0.010 | 0.00074 | 1 | 09/09/23 08:50 | 09/13/23 13:42 | 7439-98-7 | | |
| Selenium | ND | mg/L | 0.0050 | 0.0014 | 1 | 09/09/23 08:50 | 09/13/23 13:42 | 7782-49-2 | | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/09/23 08:50 | 09/13/23 13:42 | 7440-28-0 | | |
| 2540C Total Dissolved Solids | | Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Total Dissolved Solids | 207 | mg/L | 25.0 | 25.0 | 1 | | 09/11/23 13:28 | | D6 | |
| 7470 Mercury | | Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00012 | 1 | 09/19/23 17:10 | 09/20/23 14:04 | 7439-97-6 | | |
| 2320B Alkalinity | | Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | 76.8 | mg/L | 5.0 | 5.0 | 1 | | 09/11/23 16:23 | | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/11/23 16:23 | | | |
| Alkalinity, Total as CaCO3 | 76.8 | mg/L | 5.0 | 5.0 | 1 | | 09/11/23 16:23 | | | |
| 4500S2D Sulfide Water | | Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/09/23 04:36 | 18496-25-8 | | |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | | |
| Chloride | 3.2 | mg/L | 1.0 | 0.60 | 1 | | 09/09/23 21:32 | 16887-00-6 | | |
| Fluoride | 0.10 | mg/L | 0.10 | 0.050 | 1 | | 09/09/23 21:32 | 16984-48-8 | | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| Sample: MCD-B-98 | | Lab ID: 92686679004 | | Collected: 09/06/23 15:19 | | Received: 09/07/23 09:00 | | Matrix: Water | |
|---|---------|---------------------|--------------|---------------------------|----|--------------------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfate | 53.9 | mg/L | 1.0 | 0.50 | 1 | | 09/09/23 21:32 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

Sample: MCD-AP234-FB-4 **Lab ID: 92686679005** Collected: 09/06/23 11:30 Received: 09/07/23 09:00 Matrix: Water

| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual |
|---|---------------|-------|---------|----------|----|----------------|----------------|------------|------|
| | | | Limit | MDL | DF | | | | |
| 6010D ATL ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Iron | ND | mg/L | 0.040 | 0.025 | 1 | 09/09/23 08:25 | 09/11/23 21:44 | 7439-89-6 | |
| Potassium | ND | mg/L | 0.50 | 0.15 | 1 | 09/09/23 08:25 | 09/11/23 21:44 | 7440-09-7 | |
| Sodium | ND | mg/L | 1.0 | 0.58 | 1 | 09/09/23 08:25 | 09/11/23 21:44 | 7440-23-5 | |
| Calcium | ND | mg/L | 1.0 | 0.12 | 1 | 09/09/23 08:25 | 09/11/23 21:44 | 7440-70-2 | |
| Magnesium | ND | mg/L | 0.050 | 0.012 | 1 | 09/09/23 08:25 | 09/11/23 21:44 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/09/23 08:50 | 09/13/23 13:46 | 7440-36-0 | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/09/23 08:50 | 09/13/23 13:46 | 7440-38-2 | |
| Barium | ND | mg/L | 0.0050 | 0.00067 | 1 | 09/09/23 08:50 | 09/13/23 13:46 | 7440-39-3 | |
| Beryllium | ND | mg/L | 0.00050 | 0.000054 | 1 | 09/09/23 08:50 | 09/13/23 13:46 | 7440-41-7 | |
| Boron | 0.021J | mg/L | 0.040 | 0.0086 | 1 | 09/09/23 08:50 | 09/13/23 13:46 | 7440-42-8 | |
| Cadmium | ND | mg/L | 0.00050 | 0.00011 | 1 | 09/09/23 08:50 | 09/13/23 13:46 | 7440-43-9 | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/09/23 08:50 | 09/13/23 13:46 | 7440-47-3 | |
| Cobalt | ND | mg/L | 0.0050 | 0.00039 | 1 | 09/09/23 08:50 | 09/13/23 13:46 | 7440-48-4 | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/09/23 08:50 | 09/13/23 13:46 | 7439-92-1 | |
| Lithium | ND | mg/L | 0.030 | 0.00073 | 1 | 09/09/23 08:50 | 09/13/23 13:46 | 7439-93-2 | |
| Molybdenum | ND | mg/L | 0.010 | 0.00074 | 1 | 09/09/23 08:50 | 09/13/23 13:46 | 7439-98-7 | |
| Selenium | ND | mg/L | 0.0050 | 0.0014 | 1 | 09/09/23 08:50 | 09/13/23 13:46 | 7782-49-2 | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/09/23 08:50 | 09/13/23 13:46 | 7440-28-0 | |
| 2540C Total Dissolved Solids | | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Total Dissolved Solids | ND | mg/L | 25.0 | 25.0 | 1 | | 09/11/23 13:30 | | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470A Preparation Method: EPA 7470A | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00012 | 1 | 09/19/23 17:10 | 09/20/23 14:06 | 7439-97-6 | |
| 2320B Alkalinity | | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/11/23 16:31 | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/11/23 16:31 | | |
| Alkalinity, Total as CaCO3 | ND | mg/L | 5.0 | 5.0 | 1 | | 09/11/23 16:31 | | |
| 4500S2D Sulfide Water | | | | | | | | | |
| Analytical Method: SM 4500-S2D-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/09/23 04:37 | 18496-25-8 | |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Chloride | ND | mg/L | 1.0 | 0.60 | 1 | | 09/09/23 22:15 | 16887-00-6 | |
| Fluoride | ND | mg/L | 0.10 | 0.050 | 1 | | 09/09/23 22:15 | 16984-48-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

Sample: MCD-AP234-FB-4 Lab ID: 92686679005 Collected: 09/06/23 11:30 Received: 09/07/23 09:00 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|-----------------|------|----|----------|----------------|------------|------|
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfate | ND | mg/L | 1.0 | 0.50 | 1 | | 09/09/23 22:15 | 14808-79-8 | |

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**ANALYTICAL RESULTS**

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

Sample: MCD-AP234-EB-4 **Lab ID: 92686679006** Collected: 09/06/23 12:00 Received: 09/07/23 09:00 Matrix: Water

| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual |
|---|---------------|-------|---------|----------|----|----------------|----------------|------------|------|
| | | | Limit | MDL | DF | | | | |
| 6010D ATL ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Iron | ND | mg/L | 0.040 | 0.025 | 1 | 09/09/23 08:25 | 09/11/23 21:49 | 7439-89-6 | |
| Potassium | ND | mg/L | 0.50 | 0.15 | 1 | 09/09/23 08:25 | 09/11/23 21:49 | 7440-09-7 | |
| Sodium | ND | mg/L | 1.0 | 0.58 | 1 | 09/09/23 08:25 | 09/11/23 21:49 | 7440-23-5 | |
| Calcium | ND | mg/L | 1.0 | 0.12 | 1 | 09/09/23 08:25 | 09/11/23 21:49 | 7440-70-2 | |
| Magnesium | ND | mg/L | 0.050 | 0.012 | 1 | 09/09/23 08:25 | 09/11/23 21:49 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/09/23 08:50 | 09/13/23 13:50 | 7440-36-0 | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/09/23 08:50 | 09/13/23 13:50 | 7440-38-2 | |
| Barium | ND | mg/L | 0.0050 | 0.00067 | 1 | 09/09/23 08:50 | 09/13/23 13:50 | 7440-39-3 | |
| Beryllium | ND | mg/L | 0.00050 | 0.000054 | 1 | 09/09/23 08:50 | 09/13/23 13:50 | 7440-41-7 | |
| Boron | 0.011J | mg/L | 0.040 | 0.0086 | 1 | 09/09/23 08:50 | 09/13/23 13:50 | 7440-42-8 | |
| Cadmium | ND | mg/L | 0.00050 | 0.00011 | 1 | 09/09/23 08:50 | 09/13/23 13:50 | 7440-43-9 | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/09/23 08:50 | 09/13/23 13:50 | 7440-47-3 | |
| Cobalt | ND | mg/L | 0.0050 | 0.00039 | 1 | 09/09/23 08:50 | 09/13/23 13:50 | 7440-48-4 | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/09/23 08:50 | 09/13/23 13:50 | 7439-92-1 | |
| Lithium | ND | mg/L | 0.030 | 0.00073 | 1 | 09/09/23 08:50 | 09/13/23 13:50 | 7439-93-2 | |
| Molybdenum | ND | mg/L | 0.010 | 0.00074 | 1 | 09/09/23 08:50 | 09/13/23 13:50 | 7439-98-7 | |
| Selenium | ND | mg/L | 0.0050 | 0.0014 | 1 | 09/09/23 08:50 | 09/13/23 13:50 | 7782-49-2 | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/09/23 08:50 | 09/13/23 13:50 | 7440-28-0 | |
| 2540C Total Dissolved Solids | | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Total Dissolved Solids | ND | mg/L | 25.0 | 25.0 | 1 | | 09/11/23 13:31 | | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470A Preparation Method: EPA 7470A | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00012 | 1 | 09/19/23 17:10 | 09/20/23 14:08 | 7439-97-6 | |
| 2320B Alkalinity | | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/11/23 16:44 | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/11/23 16:44 | | |
| Alkalinity, Total as CaCO3 | ND | mg/L | 5.0 | 5.0 | 1 | | 09/11/23 16:44 | | |
| 4500S2D Sulfide Water | | | | | | | | | |
| Analytical Method: SM 4500-S2D-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/09/23 04:37 | 18496-25-8 | |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Chloride | ND | mg/L | 1.0 | 0.60 | 1 | | 09/09/23 22:30 | 16887-00-6 | |
| Fluoride | ND | mg/L | 0.10 | 0.050 | 1 | | 09/09/23 22:30 | 16984-48-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

Sample: MCD-AP234-EB-4 Lab ID: 92686679006 Collected: 09/06/23 12:00 Received: 09/07/23 09:00 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|--------------|------|----|----------|----------------|------------|------|
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfate | ND | mg/L | 1.0 | 0.50 | 1 | | 09/09/23 22:30 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

Sample: MCD-B-63 **Lab ID: 92686679007** Collected: 09/07/23 12:06 Received: 09/08/23 15:50 Matrix: Water

| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual |
|---|----------|-------|---------|----------|----|----------------|----------------|------------|------|
| | | | Limit | MDL | DF | | | | |
| 6010D ATL ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Iron | 0.97 | mg/L | 0.040 | 0.025 | 1 | 09/11/23 11:12 | 09/13/23 12:41 | 7439-89-6 | |
| Potassium | 2.6 | mg/L | 0.50 | 0.15 | 1 | 09/11/23 11:12 | 09/13/23 12:41 | 7440-09-7 | |
| Sodium | 12.4 | mg/L | 1.0 | 0.58 | 1 | 09/11/23 11:12 | 09/13/23 12:41 | 7440-23-5 | |
| Calcium | 23.7 | mg/L | 1.0 | 0.12 | 1 | 09/11/23 11:12 | 09/13/23 12:41 | 7440-70-2 | |
| Magnesium | 8.3 | mg/L | 0.050 | 0.012 | 1 | 09/11/23 11:12 | 09/13/23 12:41 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/11/23 14:11 | 09/14/23 18:24 | 7440-36-0 | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/11/23 14:11 | 09/14/23 18:24 | 7440-38-2 | |
| Barium | 0.025 | mg/L | 0.0050 | 0.00067 | 1 | 09/11/23 14:11 | 09/14/23 18:24 | 7440-39-3 | |
| Beryllium | 0.00050J | mg/L | 0.00050 | 0.000054 | 1 | 09/11/23 14:11 | 09/14/23 18:24 | 7440-41-7 | |
| Boron | 0.34 | mg/L | 0.040 | 0.0086 | 1 | 09/11/23 14:11 | 09/14/23 18:24 | 7440-42-8 | |
| Cadmium | 0.00028J | mg/L | 0.00050 | 0.00011 | 1 | 09/11/23 14:11 | 09/14/23 18:24 | 7440-43-9 | |
| Chromium | 0.0013J | mg/L | 0.0050 | 0.0011 | 1 | 09/11/23 14:11 | 09/14/23 18:24 | 7440-47-3 | |
| Cobalt | 0.047 | mg/L | 0.0050 | 0.00039 | 1 | 09/11/23 14:11 | 09/14/23 18:24 | 7440-48-4 | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/11/23 14:11 | 09/14/23 18:24 | 7439-92-1 | |
| Lithium | 0.0069J | mg/L | 0.030 | 0.00073 | 1 | 09/11/23 14:11 | 09/14/23 18:24 | 7439-93-2 | |
| Molybdenum | ND | mg/L | 0.010 | 0.00074 | 1 | 09/11/23 14:11 | 09/15/23 19:18 | 7439-98-7 | |
| Selenium | ND | mg/L | 0.0050 | 0.0014 | 1 | 09/11/23 14:11 | 09/14/23 18:24 | 7782-49-2 | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/11/23 14:11 | 09/14/23 18:24 | 7440-28-0 | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470A Preparation Method: EPA 7470A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 10/02/23 12:15 | 10/02/23 16:48 | 7439-97-6 | |
| 2540C Total Dissolved Solids | | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Total Dissolved Solids | 186 | mg/L | 25.0 | 25.0 | 1 | | 09/12/23 11:44 | | |
| 2320B Alkalinity | | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | 28.4 | mg/L | 5.0 | 5.0 | 1 | | 09/12/23 17:36 | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/12/23 17:36 | | |
| Alkalinity, Total as CaCO3 | 28.4 | mg/L | 5.0 | 5.0 | 1 | | 09/12/23 17:36 | | |
| 4500S2D Sulfide Water | | | | | | | | | |
| Analytical Method: SM 4500-S2D-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/13/23 02:30 | 18496-25-8 | |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Chloride | 6.8 | mg/L | 1.0 | 0.60 | 1 | | 09/12/23 19:23 | 16887-00-6 | |
| Fluoride | 0.12 | mg/L | 0.10 | 0.050 | 1 | | 09/12/23 19:23 | 16984-48-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

Sample: MCD-B-63 Lab ID: 92686679007 Collected: 09/07/23 12:06 Received: 09/08/23 15:50 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|-----------------|------|----|----------|----------------|------------|------|
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfate | 87.1 | mg/L | 1.0 | 0.50 | 1 | | 09/12/23 19:23 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| Sample: MCD-B-122D | | Lab ID: 92686679008 | | Collected: 09/07/23 15:11 | | Received: 09/08/23 15:50 | | Matrix: Water | | |
|-------------------------------------|----------|--|---------|---------------------------|----|--------------------------|----------------|---------------|------|--|
| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual | |
| | | | Limit | MDL | DF | | | | | |
| 6010D ATL ICP | | Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Iron | 11.3 | mg/L | 0.040 | 0.025 | 1 | 09/11/23 11:12 | 09/13/23 12:46 | 7439-89-6 | | |
| Potassium | 3.6 | mg/L | 0.50 | 0.15 | 1 | 09/11/23 11:12 | 09/13/23 12:46 | 7440-09-7 | | |
| Sodium | 23.7 | mg/L | 1.0 | 0.58 | 1 | 09/11/23 11:12 | 09/13/23 12:46 | 7440-23-5 | | |
| Calcium | 52.3 | mg/L | 1.0 | 0.12 | 1 | 09/11/23 11:12 | 09/13/23 12:46 | 7440-70-2 | | |
| Magnesium | 10.1 | mg/L | 0.050 | 0.012 | 1 | 09/11/23 11:12 | 09/13/23 12:46 | 7439-95-4 | | |
| 6020 MET ICPMS | | Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/11/23 14:11 | 09/14/23 18:28 | 7440-36-0 | | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/11/23 14:11 | 09/14/23 18:28 | 7440-38-2 | | |
| Barium | 0.044 | mg/L | 0.0050 | 0.00067 | 1 | 09/11/23 14:11 | 09/14/23 18:28 | 7440-39-3 | | |
| Beryllium | 0.00049J | mg/L | 0.00050 | 0.000054 | 1 | 09/11/23 14:11 | 09/14/23 18:28 | 7440-41-7 | | |
| Boron | 0.26 | mg/L | 0.040 | 0.0086 | 1 | 09/11/23 14:11 | 09/14/23 18:28 | 7440-42-8 | | |
| Cadmium | ND | mg/L | 0.00050 | 0.00011 | 1 | 09/11/23 14:11 | 09/14/23 18:28 | 7440-43-9 | | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/11/23 14:11 | 09/14/23 18:28 | 7440-47-3 | | |
| Cobalt | 0.011 | mg/L | 0.0050 | 0.00039 | 1 | 09/11/23 14:11 | 09/14/23 18:28 | 7440-48-4 | | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/11/23 14:11 | 09/14/23 18:28 | 7439-92-1 | | |
| Lithium | 0.013J | mg/L | 0.030 | 0.00073 | 1 | 09/11/23 14:11 | 09/14/23 18:28 | 7439-93-2 | | |
| Molybdenum | 0.0010J | mg/L | 0.010 | 0.00074 | 1 | 09/11/23 14:11 | 09/15/23 19:22 | 7439-98-7 | | |
| Selenium | ND | mg/L | 0.0050 | 0.0014 | 1 | 09/11/23 14:11 | 09/14/23 18:28 | 7782-49-2 | | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/11/23 14:11 | 09/14/23 18:28 | 7440-28-0 | | |
| 7470 Mercury | | Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 10/02/23 12:15 | 10/02/23 16:51 | 7439-97-6 | | |
| 2540C Total Dissolved Solids | | Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Total Dissolved Solids | 324 | mg/L | 25.0 | 25.0 | 1 | | 09/12/23 11:59 | | | |
| 2320B Alkalinity | | Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | 111 | mg/L | 5.0 | 5.0 | 1 | | 09/12/23 17:43 | | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/12/23 17:43 | | | |
| Alkalinity, Total as CaCO3 | 111 | mg/L | 5.0 | 5.0 | 1 | | 09/12/23 17:43 | | | |
| 4500S2D Sulfide Water | | Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville | | | | | | | | |
| Sulfide | 0.026J | mg/L | 0.10 | 0.022 | 1 | | 09/13/23 02:31 | 18496-25-8 | | |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | | |
| Chloride | 12.6 | mg/L | 1.0 | 0.60 | 1 | | 09/12/23 19:38 | 16887-00-6 | | |
| Fluoride | 0.22 | mg/L | 0.10 | 0.050 | 1 | | 09/12/23 19:38 | 16984-48-8 | | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| Sample: MCD-B-122D | | Lab ID: 92686679008 | | Collected: 09/07/23 15:11 | Received: 09/08/23 15:50 | Matrix: Water | | | |
|--------------------------------|------------|---|--------------|---------------------------|--------------------------|---------------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | |
| Sulfate | 110 | mg/L | 2.0 | 1.0 | 2 | | 09/13/23 08:39 | 14808-79-8 | |

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**ANALYTICAL RESULTS**

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| Sample: MCD-B-101D | | Lab ID: 92686679009 | | Collected: 09/08/23 10:35 | | Received: 09/08/23 15:50 | | Matrix: Water | | |
|-------------------------------------|---------|--|---------|---------------------------|----|--------------------------|----------------|---------------|------|--|
| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual | |
| | | | Limit | MDL | DF | | | | | |
| 6010D ATL ICP | | Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Iron | 1.2 | mg/L | 0.040 | 0.025 | 1 | 09/11/23 11:12 | 09/13/23 12:51 | 7439-89-6 | | |
| Potassium | 7.2 | mg/L | 0.50 | 0.15 | 1 | 09/11/23 11:12 | 09/13/23 12:51 | 7440-09-7 | | |
| Sodium | 24.2 | mg/L | 1.0 | 0.58 | 1 | 09/11/23 11:12 | 09/13/23 12:51 | 7440-23-5 | | |
| Calcium | 96.6 | mg/L | 1.0 | 0.12 | 1 | 09/11/23 11:12 | 09/13/23 12:51 | 7440-70-2 | | |
| Magnesium | 36.8 | mg/L | 0.050 | 0.012 | 1 | 09/11/23 11:12 | 09/13/23 12:51 | 7439-95-4 | | |
| 6020 MET ICPMS | | Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/11/23 14:11 | 09/14/23 18:40 | 7440-36-0 | | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/11/23 14:11 | 09/14/23 18:40 | 7440-38-2 | | |
| Barium | 0.075 | mg/L | 0.0050 | 0.00067 | 1 | 09/11/23 14:11 | 09/14/23 18:40 | 7440-39-3 | | |
| Beryllium | ND | mg/L | 0.00050 | 0.000054 | 1 | 09/11/23 14:11 | 09/14/23 18:40 | 7440-41-7 | | |
| Boron | 1.3 | mg/L | 0.040 | 0.0086 | 1 | 09/11/23 14:11 | 09/14/23 18:40 | 7440-42-8 | | |
| Cadmium | ND | mg/L | 0.00050 | 0.00011 | 1 | 09/11/23 14:11 | 09/14/23 18:40 | 7440-43-9 | | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/11/23 14:11 | 09/14/23 18:40 | 7440-47-3 | | |
| Cobalt | 0.0032J | mg/L | 0.0050 | 0.00039 | 1 | 09/11/23 14:11 | 09/14/23 18:40 | 7440-48-4 | | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/11/23 14:11 | 09/14/23 18:40 | 7439-92-1 | | |
| Lithium | 0.015J | mg/L | 0.030 | 0.00073 | 1 | 09/11/23 14:11 | 09/14/23 18:40 | 7439-93-2 | | |
| Molybdenum | ND | mg/L | 0.010 | 0.00074 | 1 | 09/11/23 14:11 | 09/15/23 19:35 | 7439-98-7 | | |
| Selenium | ND | mg/L | 0.0050 | 0.0014 | 1 | 09/11/23 14:11 | 09/14/23 18:40 | 7782-49-2 | | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/11/23 14:11 | 09/15/23 19:35 | 7440-28-0 | | |
| 7470 Mercury | | Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 10/02/23 12:15 | 10/02/23 16:59 | 7439-97-6 | | |
| 2540C Total Dissolved Solids | | Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Total Dissolved Solids | 668 | mg/L | 25.0 | 25.0 | 1 | | 09/12/23 12:00 | | | |
| 2320B Alkalinity | | Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | 38.3 | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 12:03 | | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 12:03 | | | |
| Alkalinity, Total as CaCO3 | 38.3 | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 12:03 | | | |
| 4500S2D Sulfide Water | | Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/13/23 02:39 | 18496-25-8 | | |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | | |
| Chloride | 9.5 | mg/L | 1.0 | 0.60 | 1 | | 09/12/23 19:53 | 16887-00-6 | | |
| Fluoride | ND | mg/L | 0.10 | 0.050 | 1 | | 09/12/23 19:53 | 16984-48-8 | | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| Sample: MCD-B-101D | | Lab ID: 92686679009 | | Collected: 09/08/23 10:35 | | Received: 09/08/23 15:50 | | Matrix: Water | |
|---|---------|---------------------|--------------|---------------------------|----|--------------------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfate | 353 | mg/L | 7.0 | 3.5 | 7 | | 09/13/23 08:54 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| Sample: MCD-B-56 | | Lab ID: 92686679010 | | Collected: 09/08/23 10:38 | | Received: 09/08/23 15:50 | | Matrix: Water | | |
|-------------------------------------|----------|--|---------|---------------------------|----|--------------------------|----------------|---------------|------|--|
| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual | |
| | | | Limit | MDL | DF | | | | | |
| 6010D ATL ICP | | Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Iron | 0.15 | mg/L | 0.040 | 0.025 | 1 | 09/11/23 11:12 | 09/13/23 12:56 | 7439-89-6 | | |
| Potassium | 5.3 | mg/L | 0.50 | 0.15 | 1 | 09/11/23 11:12 | 09/13/23 12:56 | 7440-09-7 | | |
| Sodium | 22.5 | mg/L | 1.0 | 0.58 | 1 | 09/11/23 11:12 | 09/13/23 12:56 | 7440-23-5 | | |
| Calcium | 19.8 | mg/L | 1.0 | 0.12 | 1 | 09/11/23 11:12 | 09/13/23 12:56 | 7440-70-2 | | |
| Magnesium | 35.9 | mg/L | 0.050 | 0.012 | 1 | 09/11/23 11:12 | 09/13/23 12:56 | 7439-95-4 | | |
| 6020 MET ICPMS | | Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/11/23 14:11 | 09/14/23 18:49 | 7440-36-0 | | |
| Arsenic | 0.0043J | mg/L | 0.0050 | 0.0037 | 1 | 09/11/23 14:11 | 09/14/23 18:49 | 7440-38-2 | | |
| Barium | 0.028 | mg/L | 0.0050 | 0.00067 | 1 | 09/11/23 14:11 | 09/14/23 18:49 | 7440-39-3 | | |
| Beryllium | 0.0013 | mg/L | 0.00050 | 0.000054 | 1 | 09/11/23 14:11 | 09/14/23 18:49 | 7440-41-7 | | |
| Boron | 1.5 | mg/L | 0.040 | 0.0086 | 1 | 09/11/23 14:11 | 09/14/23 18:49 | 7440-42-8 | | |
| Cadmium | 0.00034J | mg/L | 0.00050 | 0.00011 | 1 | 09/11/23 14:11 | 09/14/23 18:49 | 7440-43-9 | | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/11/23 14:11 | 09/14/23 18:49 | 7440-47-3 | | |
| Cobalt | 0.057 | mg/L | 0.0050 | 0.00039 | 1 | 09/11/23 14:11 | 09/14/23 18:49 | 7440-48-4 | | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/11/23 14:11 | 09/14/23 18:49 | 7439-92-1 | | |
| Lithium | 0.0055J | mg/L | 0.030 | 0.00073 | 1 | 09/11/23 14:11 | 09/14/23 18:49 | 7439-93-2 | | |
| Molybdenum | ND | mg/L | 0.010 | 0.00074 | 1 | 09/11/23 14:11 | 09/15/23 19:39 | 7439-98-7 | | |
| Selenium | 0.0087 | mg/L | 0.0050 | 0.0014 | 1 | 09/11/23 14:11 | 09/14/23 18:49 | 7782-49-2 | | |
| Thallium | 0.00021J | mg/L | 0.0010 | 0.00018 | 1 | 09/11/23 14:11 | 09/15/23 19:39 | 7440-28-0 | | |
| 7470 Mercury | | Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 10/02/23 12:15 | 10/02/23 17:02 | 7439-97-6 | | |
| 2540C Total Dissolved Solids | | Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Total Dissolved Solids | 402 | mg/L | 25.0 | 25.0 | 1 | | 09/12/23 12:01 | | | |
| 2320B Alkalinity | | Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 12:20 | | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 12:20 | | | |
| Alkalinity, Total as CaCO3 | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 12:20 | | | |
| 4500S2D Sulfide Water | | Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/13/23 02:39 | 18496-25-8 | | |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | | |
| Chloride | 6.8 | mg/L | 1.0 | 0.60 | 1 | | 09/12/23 21:23 | 16887-00-6 | | |
| Fluoride | 0.24 | mg/L | 0.10 | 0.050 | 1 | | 09/12/23 21:23 | 16984-48-8 | | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment
 Pace Project No.: 92686679

| Sample: MCD-B-56 | | Lab ID: 92686679010 | | Collected: 09/08/23 10:38 | Received: 09/08/23 15:50 | Matrix: Water | | | |
|--------------------------------|------------|---|--------------|---------------------------|--------------------------|---------------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | |
| Sulfate | 233 | mg/L | 5.0 | 2.5 | 5 | | 09/13/23 09:09 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

Sample: MCD-AP234-FD-5 **Lab ID: 92686679011** Collected: 09/07/23 00:00 Received: 09/08/23 15:50 Matrix: Water

| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual |
|---|-----------------|-------|---------|----------|----|----------------|----------------|------------|------|
| | | | Limit | MDL | DF | | | | |
| 6010D ATL ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Iron | ND | mg/L | 0.040 | 0.025 | 1 | 09/11/23 11:12 | 09/13/23 13:07 | 7439-89-6 | |
| Potassium | ND | mg/L | 0.50 | 0.15 | 1 | 09/11/23 11:12 | 09/13/23 13:07 | 7440-09-7 | |
| Sodium | ND | mg/L | 1.0 | 0.58 | 1 | 09/11/23 11:12 | 09/13/23 13:07 | 7440-23-5 | |
| Calcium | ND | mg/L | 1.0 | 0.12 | 1 | 09/11/23 11:12 | 09/13/23 13:07 | 7440-70-2 | |
| Magnesium | 0.013J | mg/L | 0.050 | 0.012 | 1 | 09/11/23 11:12 | 09/13/23 13:07 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/11/23 14:11 | 09/14/23 18:53 | 7440-36-0 | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/11/23 14:11 | 09/14/23 18:53 | 7440-38-2 | |
| Barium | 0.043 | mg/L | 0.0050 | 0.00067 | 1 | 09/11/23 14:11 | 09/14/23 18:53 | 7440-39-3 | |
| Beryllium | 0.00049J | mg/L | 0.00050 | 0.000054 | 1 | 09/11/23 14:11 | 09/14/23 18:53 | 7440-41-7 | |
| Boron | 0.27 | mg/L | 0.040 | 0.0086 | 1 | 09/11/23 14:11 | 09/14/23 18:53 | 7440-42-8 | |
| Cadmium | ND | mg/L | 0.00050 | 0.00011 | 1 | 09/11/23 14:11 | 09/14/23 18:53 | 7440-43-9 | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/11/23 14:11 | 09/14/23 18:53 | 7440-47-3 | |
| Cobalt | 0.011 | mg/L | 0.0050 | 0.00039 | 1 | 09/11/23 14:11 | 09/14/23 18:53 | 7440-48-4 | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/11/23 14:11 | 09/14/23 18:53 | 7439-92-1 | |
| Lithium | 0.013J | mg/L | 0.030 | 0.00073 | 1 | 09/11/23 14:11 | 09/14/23 18:53 | 7439-93-2 | |
| Molybdenum | 0.0010J | mg/L | 0.010 | 0.00074 | 1 | 09/11/23 14:11 | 09/15/23 19:43 | 7439-98-7 | |
| Selenium | ND | mg/L | 0.0050 | 0.0014 | 1 | 09/11/23 14:11 | 09/14/23 18:53 | 7782-49-2 | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/11/23 14:11 | 09/15/23 19:43 | 7440-28-0 | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470A Preparation Method: EPA 7470A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 10/02/23 12:15 | 10/02/23 17:04 | 7439-97-6 | |
| 2540C Total Dissolved Solids | | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Total Dissolved Solids | 333 | mg/L | 25.0 | 25.0 | 1 | | 09/12/23 11:59 | | |
| 2320B Alkalinity | | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | 112 | mg/L | 5.0 | 5.0 | 1 | | 09/12/23 18:03 | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/12/23 18:03 | | |
| Alkalinity, Total as CaCO3 | 112 | mg/L | 5.0 | 5.0 | 1 | | 09/12/23 18:03 | | |
| 4500S2D Sulfide Water | | | | | | | | | |
| Analytical Method: SM 4500-S2D-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/13/23 02:32 | 18496-25-8 | |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Chloride | 12.9 | mg/L | 1.0 | 0.60 | 1 | | 09/13/23 00:39 | 16887-00-6 | |
| Fluoride | 0.26 | mg/L | 0.10 | 0.050 | 1 | | 09/13/23 00:39 | 16984-48-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| Sample: MCD-AP234-FD-5 Lab ID: 92686679011 Collected: 09/07/23 00:00 Received: 09/08/23 15:50 Matrix: Water | | | | | | | | | |
|---|---------|-------|--------------|-----|----|----------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfate | 18.4 | mg/L | 2.0 | 1.0 | 2 | | 09/13/23 10:11 | 14808-79-8 | |

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**ANALYTICAL RESULTS**

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

Sample: MCD-AP234-FB-5 **Lab ID: 92686679012** Collected: 09/07/23 12:35 Received: 09/08/23 15:50 Matrix: Water

| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual |
|---|----------------|-------|---------|----------|----|----------------|----------------|------------|------|
| | | | Limit | MDL | DF | | | | |
| 6010D ATL ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Iron | ND | mg/L | 0.040 | 0.025 | 1 | 09/11/23 11:12 | 09/13/23 13:12 | 7439-89-6 | |
| Potassium | ND | mg/L | 0.50 | 0.15 | 1 | 09/11/23 11:12 | 09/13/23 13:12 | 7440-09-7 | |
| Sodium | ND | mg/L | 1.0 | 0.58 | 1 | 09/11/23 11:12 | 09/13/23 13:12 | 7440-23-5 | |
| Calcium | ND | mg/L | 1.0 | 0.12 | 1 | 09/11/23 11:12 | 09/13/23 13:12 | 7440-70-2 | |
| Magnesium | ND | mg/L | 0.050 | 0.012 | 1 | 09/11/23 11:12 | 09/13/23 13:12 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/11/23 14:11 | 09/14/23 18:57 | 7440-36-0 | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/11/23 14:11 | 09/14/23 18:57 | 7440-38-2 | |
| Barium | ND | mg/L | 0.0050 | 0.00067 | 1 | 09/11/23 14:11 | 09/14/23 18:57 | 7440-39-3 | |
| Beryllium | ND | mg/L | 0.00050 | 0.000054 | 1 | 09/11/23 14:11 | 09/14/23 18:57 | 7440-41-7 | |
| Boron | ND | mg/L | 0.040 | 0.0086 | 1 | 09/11/23 14:11 | 09/14/23 18:57 | 7440-42-8 | |
| Cadmium | ND | mg/L | 0.00050 | 0.00011 | 1 | 09/11/23 14:11 | 09/14/23 18:57 | 7440-43-9 | |
| Chromium | 0.0049J | mg/L | 0.0050 | 0.0011 | 1 | 09/11/23 14:11 | 09/14/23 18:57 | 7440-47-3 | |
| Cobalt | ND | mg/L | 0.0050 | 0.00039 | 1 | 09/11/23 14:11 | 09/14/23 18:57 | 7440-48-4 | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/11/23 14:11 | 09/14/23 18:57 | 7439-92-1 | |
| Lithium | ND | mg/L | 0.030 | 0.00073 | 1 | 09/11/23 14:11 | 09/14/23 18:57 | 7439-93-2 | |
| Molybdenum | 0.0032J | mg/L | 0.010 | 0.00074 | 1 | 09/11/23 14:11 | 09/15/23 19:47 | 7439-98-7 | |
| Selenium | ND | mg/L | 0.0050 | 0.0014 | 1 | 09/11/23 14:11 | 09/14/23 18:57 | 7782-49-2 | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/11/23 14:11 | 09/15/23 19:47 | 7440-28-0 | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470A Preparation Method: EPA 7470A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 10/02/23 12:15 | 10/02/23 17:07 | 7439-97-6 | |
| 2540C Total Dissolved Solids | | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Total Dissolved Solids | ND | mg/L | 25.0 | 25.0 | 1 | | 09/12/23 11:59 | | |
| 2320B Alkalinity | | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/12/23 18:14 | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/12/23 18:14 | | |
| Alkalinity, Total as CaCO3 | ND | mg/L | 5.0 | 5.0 | 1 | | 09/12/23 18:14 | | |
| 4500S2D Sulfide Water | | | | | | | | | |
| Analytical Method: SM 4500-S2D-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/13/23 02:33 | 18496-25-8 | |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Chloride | ND | mg/L | 1.0 | 0.60 | 1 | | 09/13/23 00:54 | 16887-00-6 | |
| Fluoride | ND | mg/L | 0.10 | 0.050 | 1 | | 09/13/23 00:54 | 16984-48-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

Sample: MCD-AP234-FB-5 **Lab ID: 92686679012** Collected: 09/07/23 12:35 Received: 09/08/23 15:50 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|-----------------|------|----|----------|----------------|------------|------|
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfate | ND | mg/L | 1.0 | 0.50 | 1 | | 09/13/23 00:54 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

Sample: MCD-B-102D **Lab ID: 92686679013** Collected: 09/11/23 10:46 Received: 09/12/23 08:30 Matrix: Water

| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|---------|----------|----|----------------|----------------|------------|------|
| | | | Limit | MDL | DF | | | | |
| 6010D ATL ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Iron | ND | mg/L | 0.040 | 0.025 | 1 | 09/13/23 12:00 | 09/17/23 13:41 | 7439-89-6 | |
| Potassium | 5.9 | mg/L | 0.50 | 0.15 | 1 | 09/13/23 12:00 | 09/17/23 13:41 | 7440-09-7 | |
| Sodium | 17.9 | mg/L | 1.0 | 0.58 | 1 | 09/13/23 12:00 | 09/17/23 13:41 | 7440-23-5 | |
| Calcium | 71.9 | mg/L | 1.0 | 0.12 | 1 | 09/13/23 12:00 | 09/17/23 13:41 | 7440-70-2 | |
| Magnesium | 16.0 | mg/L | 0.050 | 0.012 | 1 | 09/13/23 12:00 | 09/17/23 13:41 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/13/23 13:00 | 09/20/23 14:59 | 7440-36-0 | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/13/23 13:00 | 09/20/23 14:59 | 7440-38-2 | |
| Barium | 0.019 | mg/L | 0.0050 | 0.00067 | 1 | 09/13/23 13:00 | 09/20/23 14:59 | 7440-39-3 | |
| Beryllium | 0.00074 | mg/L | 0.00050 | 0.000054 | 1 | 09/13/23 13:00 | 09/20/23 14:59 | 7440-41-7 | |
| Boron | 1.8 | mg/L | 0.040 | 0.0086 | 1 | 09/13/23 13:00 | 09/20/23 14:59 | 7440-42-8 | |
| Cadmium | 0.00072 | mg/L | 0.00050 | 0.00011 | 1 | 09/13/23 13:00 | 09/20/23 14:59 | 7440-43-9 | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/13/23 13:00 | 09/20/23 14:59 | 7440-47-3 | |
| Cobalt | 0.010 | mg/L | 0.0050 | 0.00039 | 1 | 09/13/23 13:00 | 09/20/23 14:59 | 7440-48-4 | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/13/23 13:00 | 09/20/23 14:59 | 7439-92-1 | |
| Lithium | 0.0091J | mg/L | 0.030 | 0.00073 | 1 | 09/13/23 13:00 | 09/20/23 14:59 | 7439-93-2 | |
| Molybdenum | ND | mg/L | 0.010 | 0.00074 | 1 | 09/13/23 13:00 | 09/20/23 14:59 | 7439-98-7 | |
| Selenium | ND | mg/L | 0.0050 | 0.0014 | 1 | 09/13/23 13:00 | 09/20/23 14:59 | 7782-49-2 | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/13/23 13:00 | 09/20/23 14:59 | 7440-28-0 | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470A Preparation Method: EPA 7470A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 10/02/23 12:15 | 10/02/23 17:09 | 7439-97-6 | |
| 2540C Total Dissolved Solids | | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Total Dissolved Solids | 442 | mg/L | 25.0 | 25.0 | 1 | | 09/13/23 11:52 | | |
| 2320B Alkalinity | | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | 13.5 | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 15:52 | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 15:52 | | |
| Alkalinity, Total as CaCO3 | 13.5 | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 15:52 | | |
| 4500S2D Sulfide Water | | | | | | | | | |
| Analytical Method: SM 4500-S2D-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/15/23 04:56 | 18496-25-8 | |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Chloride | 10.4 | mg/L | 1.0 | 0.60 | 1 | | 09/14/23 23:35 | 16887-00-6 | |
| Fluoride | 0.10 | mg/L | 0.10 | 0.050 | 1 | | 09/14/23 23:35 | 16984-48-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment
 Pace Project No.: 92686679

| Sample: MCD-B-102D | | Lab ID: 92686679013 | | Collected: 09/11/23 10:46 | | Received: 09/12/23 08:30 | | Matrix: Water | |
|--------------------------------|------------|---|-----------------|---------------------------|----|--------------------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | |
| Sulfate | 233 | mg/L | 5.0 | 2.5 | 5 | | 09/15/23 11:20 | 14808-79-8 | |

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**ANALYTICAL RESULTS**

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| Sample: MCD-B-82 | | Lab ID: 92686679014 | | Collected: 09/11/23 11:57 | | Received: 09/12/23 08:30 | | Matrix: Water | | |
|-------------------------------------|-----------------|--|---------|---------------------------|----|--------------------------|----------------|---------------|------|--|
| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual | |
| | | | Limit | MDL | DF | | | | | |
| 6010D ATL ICP | | Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Iron | 0.036J | mg/L | 0.040 | 0.025 | 1 | 09/13/23 12:00 | 09/17/23 13:46 | 7439-89-6 | | |
| Potassium | 7.3 | mg/L | 0.50 | 0.15 | 1 | 09/13/23 12:00 | 09/17/23 13:46 | 7440-09-7 | | |
| Sodium | 16.5 | mg/L | 1.0 | 0.58 | 1 | 09/13/23 12:00 | 09/17/23 13:46 | 7440-23-5 | | |
| Calcium | 52.3 | mg/L | 1.0 | 0.12 | 1 | 09/13/23 12:00 | 09/17/23 13:46 | 7440-70-2 | | |
| Magnesium | 70.4 | mg/L | 0.050 | 0.012 | 1 | 09/13/23 12:00 | 09/17/23 13:46 | 7439-95-4 | | |
| 6020 MET ICPMS | | Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/13/23 13:00 | 09/20/23 15:03 | 7440-36-0 | | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/13/23 13:00 | 09/20/23 15:03 | 7440-38-2 | | |
| Barium | 0.024 | mg/L | 0.0050 | 0.00067 | 1 | 09/13/23 13:00 | 09/20/23 15:03 | 7440-39-3 | | |
| Beryllium | 0.0017 | mg/L | 0.00050 | 0.000054 | 1 | 09/13/23 13:00 | 09/22/23 14:50 | 7440-41-7 | | |
| Boron | 0.38 | mg/L | 0.040 | 0.0086 | 1 | 09/13/23 13:00 | 09/20/23 15:03 | 7440-42-8 | | |
| Cadmium | 0.00058 | mg/L | 0.00050 | 0.00011 | 1 | 09/13/23 13:00 | 09/20/23 15:03 | 7440-43-9 | | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/13/23 13:00 | 09/20/23 15:03 | 7440-47-3 | | |
| Cobalt | 0.0024J | mg/L | 0.0050 | 0.00039 | 1 | 09/13/23 13:00 | 09/20/23 15:03 | 7440-48-4 | | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/13/23 13:00 | 09/20/23 15:03 | 7439-92-1 | | |
| Lithium | ND | mg/L | 0.030 | 0.00073 | 1 | 09/13/23 13:00 | 09/20/23 15:03 | 7439-93-2 | | |
| Molybdenum | 0.00081J | mg/L | 0.010 | 0.00074 | 1 | 09/13/23 13:00 | 09/20/23 15:03 | 7439-98-7 | | |
| Selenium | 0.0018J | mg/L | 0.0050 | 0.0014 | 1 | 09/13/23 13:00 | 09/20/23 15:03 | 7782-49-2 | | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/13/23 13:00 | 09/20/23 15:03 | 7440-28-0 | | |
| 7470 Mercury | | Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 10/02/23 12:15 | 10/02/23 17:12 | 7439-97-6 | | |
| 2540C Total Dissolved Solids | | Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Total Dissolved Solids | 612 | mg/L | 25.0 | 25.0 | 1 | | 09/14/23 13:33 | | | |
| 2320B Alkalinity | | Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | 16.9 | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 15:57 | | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 15:57 | | | |
| Alkalinity, Total as CaCO3 | 16.9 | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 15:57 | | | |
| 4500S2D Sulfide Water | | Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/15/23 04:56 | 18496-25-8 | | |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | | |
| Chloride | 11.9 | mg/L | 1.0 | 0.60 | 1 | | 09/14/23 23:49 | 16887-00-6 | | |
| Fluoride | 0.11 | mg/L | 0.10 | 0.050 | 1 | | 09/14/23 23:49 | 16984-48-8 | | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| Sample: MCD-B-82 | | Lab ID: 92686679014 | | Collected: 09/11/23 11:57 | Received: 09/12/23 08:30 | Matrix: Water | | | |
|--------------------------------|------------|---|--------------|---------------------------|--------------------------|---------------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | |
| Sulfate | 373 | mg/L | 8.0 | 4.0 | 8 | | 09/15/23 11:34 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| Sample: MCD-B-66 | | Lab ID: 92686679015 | | Collected: 09/11/23 13:57 | | Received: 09/12/23 08:30 | | Matrix: Water | | |
|-------------------------------------|----------|--|---------|---------------------------|----|--------------------------|----------------|---------------|------|--|
| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual | |
| | | | Limit | MDL | DF | | | | | |
| 6010D ATL ICP | | Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Iron | 0.93 | mg/L | 0.040 | 0.025 | 1 | 09/13/23 12:00 | 09/17/23 13:51 | 7439-89-6 | | |
| Potassium | 5.2 | mg/L | 0.50 | 0.15 | 1 | 09/13/23 12:00 | 09/17/23 13:51 | 7440-09-7 | | |
| Sodium | 29.7 | mg/L | 1.0 | 0.58 | 1 | 09/13/23 12:00 | 09/17/23 13:51 | 7440-23-5 | | |
| Calcium | 46.7 | mg/L | 1.0 | 0.12 | 1 | 09/13/23 12:00 | 09/17/23 13:51 | 7440-70-2 | | |
| Magnesium | 45.7 | mg/L | 0.050 | 0.012 | 1 | 09/13/23 12:00 | 09/17/23 13:51 | 7439-95-4 | | |
| 6020 MET ICPMS | | Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/13/23 13:00 | 09/20/23 15:07 | 7440-36-0 | | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/13/23 13:00 | 09/20/23 15:07 | 7440-38-2 | | |
| Barium | 0.028 | mg/L | 0.0050 | 0.00067 | 1 | 09/13/23 13:00 | 09/20/23 15:07 | 7440-39-3 | | |
| Beryllium | ND | mg/L | 0.00050 | 0.000054 | 1 | 09/13/23 13:00 | 09/20/23 15:07 | 7440-41-7 | | |
| Boron | 2.1 | mg/L | 0.040 | 0.0086 | 1 | 09/13/23 13:00 | 09/20/23 15:07 | 7440-42-8 | | |
| Cadmium | 0.00018J | mg/L | 0.00050 | 0.00011 | 1 | 09/13/23 13:00 | 09/20/23 15:07 | 7440-43-9 | | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/13/23 13:00 | 09/20/23 15:07 | 7440-47-3 | | |
| Cobalt | 0.020 | mg/L | 0.0050 | 0.00039 | 1 | 09/13/23 13:00 | 09/20/23 15:07 | 7440-48-4 | | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/13/23 13:00 | 09/20/23 15:07 | 7439-92-1 | | |
| Lithium | ND | mg/L | 0.030 | 0.00073 | 1 | 09/13/23 13:00 | 09/20/23 15:07 | 7439-93-2 | | |
| Molybdenum | ND | mg/L | 0.010 | 0.00074 | 1 | 09/13/23 13:00 | 09/20/23 15:07 | 7439-98-7 | | |
| Selenium | ND | mg/L | 0.0050 | 0.0014 | 1 | 09/13/23 13:00 | 09/20/23 15:07 | 7782-49-2 | | |
| Thallium | 0.00021J | mg/L | 0.0010 | 0.00018 | 1 | 09/13/23 13:00 | 09/20/23 15:07 | 7440-28-0 | | |
| 7470 Mercury | | Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 10/02/23 12:15 | 10/02/23 17:15 | 7439-97-6 | | |
| 2540C Total Dissolved Solids | | Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Total Dissolved Solids | 484 | mg/L | 25.0 | 25.0 | 1 | | 09/14/23 13:34 | | | |
| 2320B Alkalinity | | Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | 68.1 | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 16:03 | | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 16:03 | | | |
| Alkalinity, Total as CaCO3 | 68.1 | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 16:03 | | | |
| 4500S2D Sulfide Water | | Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/15/23 04:57 | 18496-25-8 | | |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | | |
| Chloride | 9.0 | mg/L | 1.0 | 0.60 | 1 | | 09/15/23 01:20 | 16887-00-6 | | |
| Fluoride | 0.12 | mg/L | 0.10 | 0.050 | 1 | | 09/15/23 01:20 | 16984-48-8 | | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment
 Pace Project No.: 92686679

| Sample: MCD-B-66 | | Lab ID: 92686679015 | | Collected: 09/11/23 13:57 | Received: 09/12/23 08:30 | Matrix: Water | | | |
|--------------------------------|------------|---|--------------|---------------------------|--------------------------|---------------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | |
| Sulfate | 260 | mg/L | 5.0 | 2.5 | 5 | | 09/15/23 11:48 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| Sample: MCD-B-106D | | Lab ID: 92686679016 | | Collected: 09/11/23 15:38 | | Received: 09/12/23 08:30 | | Matrix: Water | | |
|-------------------------------------|----------|--|---------|---------------------------|----|--------------------------|----------------|---------------|------|--|
| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual | |
| | | | Limit | MDL | DF | | | | | |
| 6010D ATL ICP | | Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Iron | ND | mg/L | 0.040 | 0.025 | 1 | 09/13/23 12:00 | 09/17/23 13:57 | 7439-89-6 | | |
| Potassium | 3.5 | mg/L | 0.50 | 0.15 | 1 | 09/13/23 12:00 | 09/17/23 13:57 | 7440-09-7 | | |
| Sodium | 13.7 | mg/L | 1.0 | 0.58 | 1 | 09/13/23 12:00 | 09/17/23 13:57 | 7440-23-5 | | |
| Calcium | 35.3 | mg/L | 1.0 | 0.12 | 1 | 09/13/23 12:00 | 09/17/23 13:57 | 7440-70-2 | | |
| Magnesium | 16.6 | mg/L | 0.050 | 0.012 | 1 | 09/13/23 12:00 | 09/17/23 13:57 | 7439-95-4 | | |
| 6020 MET ICPMS | | Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/13/23 13:00 | 09/20/23 15:15 | 7440-36-0 | | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/13/23 13:00 | 09/20/23 15:15 | 7440-38-2 | | |
| Barium | 0.023 | mg/L | 0.0050 | 0.00067 | 1 | 09/13/23 13:00 | 09/20/23 15:15 | 7440-39-3 | | |
| Beryllium | 0.00066J | mg/L | 0.00050 | 0.000054 | 1 | 09/13/23 13:00 | 09/20/23 15:15 | 7440-41-7 | | |
| Boron | 0.81 | mg/L | 0.040 | 0.0086 | 1 | 09/13/23 13:00 | 09/20/23 15:15 | 7440-42-8 | | |
| Cadmium | ND | mg/L | 0.00050 | 0.00011 | 1 | 09/13/23 13:00 | 09/20/23 15:15 | 7440-43-9 | | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/13/23 13:00 | 09/20/23 15:15 | 7440-47-3 | | |
| Cobalt | ND | mg/L | 0.0050 | 0.00039 | 1 | 09/13/23 13:00 | 09/20/23 15:15 | 7440-48-4 | | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/13/23 13:00 | 09/20/23 15:15 | 7439-92-1 | | |
| Lithium | 0.0045J | mg/L | 0.030 | 0.00073 | 1 | 09/13/23 13:00 | 09/20/23 15:15 | 7439-93-2 | | |
| Molybdenum | ND | mg/L | 0.010 | 0.00074 | 1 | 09/13/23 13:00 | 09/20/23 15:15 | 7439-98-7 | | |
| Selenium | ND | mg/L | 0.0050 | 0.0014 | 1 | 09/13/23 13:00 | 09/20/23 15:15 | 7782-49-2 | | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/13/23 13:00 | 09/20/23 15:15 | 7440-28-0 | | |
| 7470 Mercury | | Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 10/02/23 12:15 | 10/02/23 17:17 | 7439-97-6 | | |
| 2540C Total Dissolved Solids | | Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Total Dissolved Solids | 304 | mg/L | 25.0 | 25.0 | 1 | | 09/14/23 13:35 | | | |
| 2320B Alkalinity | | Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | 35.2 | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 16:11 | | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 16:11 | | | |
| Alkalinity, Total as CaCO3 | 35.2 | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 16:11 | | | |
| 4500S2D Sulfide Water | | Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/15/23 04:58 | 18496-25-8 | | |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | | |
| Chloride | 7.8 | mg/L | 1.0 | 0.60 | 1 | | 09/15/23 01:34 | 16887-00-6 | | |
| Fluoride | 0.067J | mg/L | 0.10 | 0.050 | 1 | | 09/15/23 01:34 | 16984-48-8 | | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| Sample: MCD-B-106D | | Lab ID: 92686679016 | | Collected: 09/11/23 15:38 | Received: 09/12/23 08:30 | Matrix: Water | | | |
|--------------------------------|------------|---|--------------|---------------------------|--------------------------|---------------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | |
| Sulfate | 118 | mg/L | 3.0 | 1.5 | 3 | | 09/15/23 12:02 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

Sample: MCD-AP234-FD-4 **Lab ID: 92686679017** Collected: 09/11/23 00:00 Received: 09/12/23 08:30 Matrix: Water

| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual |
|---|-----------------|-------|---------|----------|----|----------------|----------------|------------|------|
| | | | Limit | MDL | DF | | | | |
| 6010D ATL ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Iron | 0.057 | mg/L | 0.040 | 0.025 | 1 | 09/13/23 12:00 | 09/17/23 14:07 | 7439-89-6 | |
| Potassium | 7.0 | mg/L | 0.50 | 0.15 | 1 | 09/13/23 12:00 | 09/17/23 14:07 | 7440-09-7 | |
| Sodium | 15.6 | mg/L | 1.0 | 0.58 | 1 | 09/13/23 12:00 | 09/17/23 14:07 | 7440-23-5 | |
| Calcium | 50.4 | mg/L | 1.0 | 0.12 | 1 | 09/13/23 12:00 | 09/17/23 14:07 | 7440-70-2 | |
| Magnesium | 66.8 | mg/L | 0.050 | 0.012 | 1 | 09/13/23 12:00 | 09/17/23 14:07 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/13/23 13:00 | 09/20/23 15:19 | 7440-36-0 | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/13/23 13:00 | 09/20/23 15:19 | 7440-38-2 | |
| Barium | 0.025 | mg/L | 0.0050 | 0.00067 | 1 | 09/13/23 13:00 | 09/20/23 15:19 | 7440-39-3 | |
| Beryllium | 0.0017 | mg/L | 0.00050 | 0.000054 | 1 | 09/13/23 13:00 | 09/22/23 14:54 | 7440-41-7 | |
| Boron | 0.39 | mg/L | 0.040 | 0.0086 | 1 | 09/13/23 13:00 | 09/20/23 15:19 | 7440-42-8 | |
| Cadmium | 0.00063 | mg/L | 0.00050 | 0.00011 | 1 | 09/13/23 13:00 | 09/20/23 15:19 | 7440-43-9 | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/13/23 13:00 | 09/20/23 15:19 | 7440-47-3 | |
| Cobalt | 0.0028J | mg/L | 0.0050 | 0.00039 | 1 | 09/13/23 13:00 | 09/20/23 15:19 | 7440-48-4 | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/13/23 13:00 | 09/20/23 15:19 | 7439-92-1 | |
| Lithium | ND | mg/L | 0.030 | 0.00073 | 1 | 09/13/23 13:00 | 09/20/23 15:19 | 7439-93-2 | |
| Molybdenum | 0.00098J | mg/L | 0.010 | 0.00074 | 1 | 09/13/23 13:00 | 09/20/23 15:19 | 7439-98-7 | |
| Selenium | 0.0019J | mg/L | 0.0050 | 0.0014 | 1 | 09/13/23 13:00 | 09/20/23 15:19 | 7782-49-2 | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/13/23 13:00 | 09/20/23 15:19 | 7440-28-0 | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470A Preparation Method: EPA 7470A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 10/02/23 12:15 | 10/02/23 17:20 | 7439-97-6 | |
| 2540C Total Dissolved Solids | | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Total Dissolved Solids | 620 | mg/L | 25.0 | 25.0 | 1 | | 09/14/23 13:35 | | |
| 2320B Alkalinity | | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | 16.2 | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 16:28 | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 16:28 | | |
| Alkalinity, Total as CaCO3 | 16.2 | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 16:28 | | |
| 4500S2D Sulfide Water | | | | | | | | | |
| Analytical Method: SM 4500-S2D-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/15/23 04:59 | 18496-25-8 | |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Chloride | 12.0 | mg/L | 1.0 | 0.60 | 1 | | 09/15/23 01:48 | 16887-00-6 | |
| Fluoride | 0.10 | mg/L | 0.10 | 0.050 | 1 | | 09/15/23 01:48 | 16984-48-8 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

Sample: MCD-AP234-FD-4 Lab ID: 92686679017 Collected: 09/11/23 00:00 Received: 09/12/23 08:30 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|-----------------|-----|----|----------|----------------|------------|------|
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfate | 379 | mg/L | 8.0 | 4.0 | 8 | | 09/15/23 12:45 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

Sample: MCD-AP234-EB-5 **Lab ID: 92686679018** Collected: 09/11/23 11:55 Received: 09/12/23 08:30 Matrix: Water

| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|---------|----------|----|----------------|----------------|------------|------|
| | | | Limit | MDL | DF | | | | |
| 6010D ATL ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Iron | ND | mg/L | 0.040 | 0.025 | 1 | 09/13/23 12:00 | 09/17/23 14:12 | 7439-89-6 | |
| Potassium | ND | mg/L | 0.50 | 0.15 | 1 | 09/13/23 12:00 | 09/17/23 14:12 | 7440-09-7 | |
| Sodium | ND | mg/L | 1.0 | 0.58 | 1 | 09/13/23 12:00 | 09/17/23 14:12 | 7440-23-5 | |
| Calcium | ND | mg/L | 1.0 | 0.12 | 1 | 09/13/23 12:00 | 09/17/23 14:12 | 7440-70-2 | |
| Magnesium | ND | mg/L | 0.050 | 0.012 | 1 | 09/13/23 12:00 | 09/17/23 14:12 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/13/23 13:00 | 09/20/23 15:48 | 7440-36-0 | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/13/23 13:00 | 09/20/23 15:48 | 7440-38-2 | |
| Barium | ND | mg/L | 0.0050 | 0.00067 | 1 | 09/13/23 13:00 | 09/20/23 15:48 | 7440-39-3 | |
| Beryllium | ND | mg/L | 0.00050 | 0.000054 | 1 | 09/13/23 13:00 | 09/20/23 15:48 | 7440-41-7 | |
| Boron | ND | mg/L | 0.040 | 0.0086 | 1 | 09/13/23 13:00 | 09/20/23 15:48 | 7440-42-8 | |
| Cadmium | ND | mg/L | 0.00050 | 0.00011 | 1 | 09/13/23 13:00 | 09/20/23 15:48 | 7440-43-9 | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/13/23 13:00 | 09/20/23 15:48 | 7440-47-3 | |
| Cobalt | ND | mg/L | 0.0050 | 0.00039 | 1 | 09/13/23 13:00 | 09/20/23 15:48 | 7440-48-4 | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/13/23 13:00 | 09/20/23 15:48 | 7439-92-1 | |
| Lithium | ND | mg/L | 0.030 | 0.00073 | 1 | 09/13/23 13:00 | 09/20/23 15:48 | 7439-93-2 | |
| Molybdenum | ND | mg/L | 0.010 | 0.00074 | 1 | 09/13/23 13:00 | 09/20/23 15:48 | 7439-98-7 | |
| Selenium | ND | mg/L | 0.0050 | 0.0014 | 1 | 09/13/23 13:00 | 09/20/23 15:48 | 7782-49-2 | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/13/23 13:00 | 09/20/23 15:48 | 7440-28-0 | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470A Preparation Method: EPA 7470A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 10/02/23 12:15 | 10/02/23 17:22 | 7439-97-6 | |
| 2540C Total Dissolved Solids | | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Total Dissolved Solids | ND | mg/L | 25.0 | 25.0 | 1 | | 09/14/23 13:35 | | |
| 2320B Alkalinity | | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 16:33 | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 16:33 | | |
| Alkalinity, Total as CaCO3 | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 16:33 | | |
| 4500S2D Sulfide Water | | | | | | | | | |
| Analytical Method: SM 4500-S2D-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/15/23 04:59 | 18496-25-8 | |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Chloride | ND | mg/L | 1.0 | 0.60 | 1 | | 09/15/23 02:02 | 16887-00-6 | |
| Fluoride | ND | mg/L | 0.10 | 0.050 | 1 | | 09/15/23 02:02 | 16984-48-8 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| Sample: MCD-AP234-EB-5 Lab ID: 92686679018 Collected: 09/11/23 11:55 Received: 09/12/23 08:30 Matrix: Water | | | | | | | | | |
|---|---------|-------|-----------------|------|----|----------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfate | ND | mg/L | 1.0 | 0.50 | 1 | | 09/15/23 02:02 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

Sample: MCD-B-77 **Lab ID: 92686679019** Collected: 09/12/23 11:06 Received: 09/13/23 08:36 Matrix: Water

| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|---------|----------|----|----------------|----------------|------------|------|
| | | | Limit | MDL | DF | | | | |
| 6010D ATL ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Iron | 45.2 | mg/L | 0.040 | 0.025 | 1 | 09/28/23 13:55 | 10/02/23 21:30 | 7439-89-6 | |
| Potassium | 2.1 | mg/L | 0.50 | 0.15 | 1 | 09/28/23 13:55 | 10/02/23 21:30 | 7440-09-7 | |
| Sodium | 6.8 | mg/L | 1.0 | 0.58 | 1 | 09/28/23 13:55 | 10/02/23 21:30 | 7440-23-5 | |
| Calcium | 19.2 | mg/L | 1.0 | 0.12 | 1 | 09/28/23 13:55 | 10/02/23 21:30 | 7440-70-2 | |
| Magnesium | 6.2 | mg/L | 0.050 | 0.012 | 1 | 09/28/23 13:55 | 10/02/23 21:30 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/14/23 11:00 | 09/25/23 16:28 | 7440-36-0 | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/14/23 11:00 | 09/25/23 16:28 | 7440-38-2 | |
| Barium | 0.12 | mg/L | 0.0050 | 0.00067 | 1 | 09/14/23 11:00 | 09/25/23 16:28 | 7440-39-3 | |
| Beryllium | ND | mg/L | 0.00050 | 0.000054 | 1 | 09/14/23 11:00 | 09/25/23 16:28 | 7440-41-7 | |
| Boron | 0.26 | mg/L | 0.040 | 0.0086 | 1 | 09/14/23 11:00 | 09/25/23 16:28 | 7440-42-8 | |
| Cadmium | ND | mg/L | 0.00050 | 0.00011 | 1 | 09/14/23 11:00 | 09/25/23 16:28 | 7440-43-9 | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/14/23 11:00 | 09/25/23 16:28 | 7440-47-3 | |
| Cobalt | ND | mg/L | 0.0050 | 0.00039 | 1 | 09/14/23 11:00 | 09/25/23 16:28 | 7440-48-4 | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/14/23 11:00 | 09/25/23 16:28 | 7439-92-1 | |
| Lithium | ND | mg/L | 0.030 | 0.00073 | 1 | 09/14/23 11:00 | 09/25/23 16:28 | 7439-93-2 | |
| Molybdenum | ND | mg/L | 0.010 | 0.00074 | 1 | 09/14/23 11:00 | 09/25/23 16:28 | 7439-98-7 | |
| Selenium | ND | mg/L | 0.0050 | 0.0014 | 1 | 09/14/23 11:00 | 09/25/23 16:28 | 7782-49-2 | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/14/23 11:00 | 09/25/23 16:28 | 7440-28-0 | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470A Preparation Method: EPA 7470A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 10/02/23 12:15 | 10/02/23 17:30 | 7439-97-6 | |
| 2540C Total Dissolved Solids | | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Total Dissolved Solids | 98.0 | mg/L | 25.0 | 25.0 | 1 | | 09/18/23 12:50 | | |
| 2320B Alkalinity | | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/15/23 18:11 | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/15/23 18:11 | | |
| Alkalinity, Total as CaCO3 | ND | mg/L | 5.0 | 5.0 | 1 | | 09/15/23 18:11 | | |
| 4500S2D Sulfide Water | | | | | | | | | |
| Analytical Method: SM 4500-S2D-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/15/23 05:05 | 18496-25-8 | |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Chloride | 4.0 | mg/L | 1.0 | 0.60 | 1 | | 09/15/23 03:00 | 16887-00-6 | |
| Fluoride | 0.069J | mg/L | 0.10 | 0.050 | 1 | | 09/15/23 03:00 | 16984-48-8 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment
 Pace Project No.: 92686679

| Sample: MCD-B-77 | | Lab ID: 92686679019 | | Collected: 09/12/23 11:06 | | Received: 09/13/23 08:36 | | Matrix: Water | |
|--------------------------------|---------|---|--------------|---------------------------|----|--------------------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | |
| Sulfate | ND | mg/L | 1.0 | 0.50 | 1 | | 09/15/23 03:00 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| Sample: MCD-B-83 | | Lab ID: 92686679020 | | Collected: 09/12/23 13:03 | | Received: 09/13/23 08:36 | | Matrix: Water | | |
|-------------------------------------|----------|--|---------|---------------------------|----|--------------------------|----------------|---------------|------|--|
| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual | |
| | | | Limit | MDL | DF | | | | | |
| 6010D ATL ICP | | Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Iron | 0.11 | mg/L | 0.040 | 0.025 | 1 | 09/28/23 13:55 | 10/02/23 21:35 | 7439-89-6 | | |
| Potassium | 2.2 | mg/L | 0.50 | 0.15 | 1 | 09/28/23 13:55 | 10/02/23 21:35 | 7440-09-7 | | |
| Sodium | 8.9 | mg/L | 1.0 | 0.58 | 1 | 09/28/23 13:55 | 10/02/23 21:35 | 7440-23-5 | | |
| Calcium | 32.4 | mg/L | 1.0 | 0.12 | 1 | 09/28/23 13:55 | 10/02/23 21:35 | 7440-70-2 | | |
| Magnesium | 8.3 | mg/L | 0.050 | 0.012 | 1 | 09/28/23 13:55 | 10/02/23 21:35 | 7439-95-4 | | |
| 6020 MET ICPMS | | Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/14/23 11:00 | 09/25/23 16:44 | 7440-36-0 | | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/14/23 11:00 | 09/25/23 16:44 | 7440-38-2 | | |
| Barium | 0.028 | mg/L | 0.0050 | 0.00067 | 1 | 09/14/23 11:00 | 09/25/23 16:44 | 7440-39-3 | | |
| Beryllium | 0.00038J | mg/L | 0.00050 | 0.000054 | 1 | 09/14/23 11:00 | 09/25/23 16:44 | 7440-41-7 | | |
| Boron | 0.29 | mg/L | 0.040 | 0.0086 | 1 | 09/14/23 11:00 | 09/25/23 16:44 | 7440-42-8 | | |
| Cadmium | 0.00027J | mg/L | 0.00050 | 0.00011 | 1 | 09/14/23 11:00 | 09/25/23 16:44 | 7440-43-9 | | |
| Chromium | 0.0022J | mg/L | 0.0050 | 0.0011 | 1 | 09/14/23 11:00 | 09/25/23 16:44 | 7440-47-3 | | |
| Cobalt | 0.015 | mg/L | 0.0050 | 0.00039 | 1 | 09/14/23 11:00 | 09/25/23 16:44 | 7440-48-4 | | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/14/23 11:00 | 09/25/23 16:44 | 7439-92-1 | | |
| Lithium | 0.0021J | mg/L | 0.030 | 0.00073 | 1 | 09/14/23 11:00 | 09/25/23 16:44 | 7439-93-2 | | |
| Molybdenum | ND | mg/L | 0.010 | 0.00074 | 1 | 09/14/23 11:00 | 09/25/23 16:44 | 7439-98-7 | | |
| Selenium | 0.020 | mg/L | 0.0050 | 0.0014 | 1 | 09/14/23 11:00 | 09/25/23 16:44 | 7782-49-2 | | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/14/23 11:00 | 09/25/23 16:44 | 7440-28-0 | | |
| 7470 Mercury | | Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 10/02/23 12:15 | 10/02/23 17:33 | 7439-97-6 | | |
| 2540C Total Dissolved Solids | | Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Total Dissolved Solids | 204 | mg/L | 25.0 | 25.0 | 1 | | 09/18/23 12:50 | | | |
| 2320B Alkalinity | | Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | 41.6 | mg/L | 5.0 | 5.0 | 1 | | 09/15/23 18:26 | | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/15/23 18:26 | | | |
| Alkalinity, Total as CaCO3 | 41.6 | mg/L | 5.0 | 5.0 | 1 | | 09/15/23 18:26 | | | |
| 4500S2D Sulfide Water | | Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/15/23 05:05 | 18496-25-8 | | |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | | |
| Chloride | 2.4 | mg/L | 1.0 | 0.60 | 1 | | 09/15/23 04:11 | 16887-00-6 | | |
| Fluoride | 0.087J | mg/L | 0.10 | 0.050 | 1 | | 09/15/23 04:11 | 16984-48-8 | | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

Sample: MCD-B-83 Lab ID: 92686679020 Collected: 09/12/23 13:03 Received: 09/13/23 08:36 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|--------------|-----|----|----------|----------------|------------|------|
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfate | 95.7 | mg/L | 2.0 | 1.0 | 2 | | 09/15/23 13:15 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

Sample: MCD-B-88 **Lab ID: 92686679021** Collected: 09/12/23 14:10 Received: 09/13/23 08:36 Matrix: Water

| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual |
|---|-----------------|-------|---------|----------|----|----------------|----------------|------------|------|
| | | | Limit | MDL | DF | | | | |
| 6010D ATL ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Iron | 0.29 | mg/L | 0.040 | 0.025 | 1 | 09/28/23 13:55 | 10/02/23 21:40 | 7439-89-6 | |
| Potassium | 10.9 | mg/L | 0.50 | 0.15 | 1 | 09/28/23 13:55 | 10/02/23 21:40 | 7440-09-7 | M1 |
| Sodium | 26.4 | mg/L | 1.0 | 0.58 | 1 | 09/28/23 13:55 | 10/02/23 21:40 | 7440-23-5 | |
| Calcium | 102 | mg/L | 1.0 | 0.12 | 1 | 09/28/23 13:55 | 10/02/23 21:40 | 7440-70-2 | M1 |
| Magnesium | 34.7 | mg/L | 0.050 | 0.012 | 1 | 09/28/23 13:55 | 10/02/23 21:40 | 7439-95-4 | M1 |
| 6020 MET ICPMS | | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/14/23 11:00 | 09/25/23 16:47 | 7440-36-0 | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/14/23 11:00 | 09/25/23 16:47 | 7440-38-2 | |
| Barium | 0.017 | mg/L | 0.0050 | 0.00067 | 1 | 09/14/23 11:00 | 09/25/23 16:47 | 7440-39-3 | |
| Beryllium | 0.0014 | mg/L | 0.00050 | 0.000054 | 1 | 09/14/23 11:00 | 09/25/23 16:47 | 7440-41-7 | |
| Boron | 1.9 | mg/L | 0.040 | 0.0086 | 1 | 09/14/23 11:00 | 09/25/23 16:47 | 7440-42-8 | |
| Cadmium | 0.0026 | mg/L | 0.00050 | 0.00011 | 1 | 09/14/23 11:00 | 09/25/23 16:47 | 7440-43-9 | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/14/23 11:00 | 09/25/23 16:47 | 7440-47-3 | |
| Cobalt | 0.0022J | mg/L | 0.0050 | 0.00039 | 1 | 09/14/23 11:00 | 09/25/23 16:47 | 7440-48-4 | |
| Lead | 0.00090J | mg/L | 0.0010 | 0.00012 | 1 | 09/14/23 11:00 | 09/25/23 16:47 | 7439-92-1 | |
| Lithium | 0.0040J | mg/L | 0.030 | 0.00073 | 1 | 09/14/23 11:00 | 09/25/23 16:47 | 7439-93-2 | |
| Molybdenum | ND | mg/L | 0.010 | 0.00074 | 1 | 09/14/23 11:00 | 09/25/23 16:47 | 7439-98-7 | |
| Selenium | 0.0027J | mg/L | 0.0050 | 0.0014 | 1 | 09/14/23 11:00 | 09/25/23 16:47 | 7782-49-2 | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/14/23 11:00 | 09/25/23 16:47 | 7440-28-0 | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470A Preparation Method: EPA 7470A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 10/02/23 12:15 | 10/02/23 17:36 | 7439-97-6 | |
| 2540C Total Dissolved Solids | | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Total Dissolved Solids | 752 | mg/L | 25.0 | 25.0 | 1 | | 09/18/23 12:51 | | |
| 2320B Alkalinity | | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | 13.1 | mg/L | 5.0 | 5.0 | 1 | | 09/15/23 18:34 | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/15/23 18:34 | | |
| Alkalinity, Total as CaCO3 | 13.1 | mg/L | 5.0 | 5.0 | 1 | | 09/15/23 18:34 | | |
| 4500S2D Sulfide Water | | | | | | | | | |
| Analytical Method: SM 4500-S2D-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/15/23 05:06 | 18496-25-8 | |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Chloride | 9.1 | mg/L | 1.0 | 0.60 | 1 | | 09/15/23 04:26 | 16887-00-6 | |
| Fluoride | ND | mg/L | 0.10 | 0.050 | 1 | | 09/15/23 04:26 | 16984-48-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| Sample: MCD-B-88 | | Lab ID: 92686679021 | | Collected: 09/12/23 14:10 | | Received: 09/13/23 08:36 | | Matrix: Water | |
|---|---------|---------------------|--------------|---------------------------|----|--------------------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfate | 449 | mg/L | 9.0 | 4.5 | 9 | | 09/15/23 13:29 | 14808-79-8 | |

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**ANALYTICAL RESULTS**

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| Sample: MCD-B-107D | | Lab ID: 92686679022 | | Collected: 09/12/23 09:46 | | Received: 09/13/23 08:36 | | Matrix: Water | | |
|-------------------------------------|---------|--|---------|---------------------------|----|--------------------------|----------------|---------------|------|--|
| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual | |
| | | | Limit | MDL | DF | | | | | |
| 6010D ATL ICP | | Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Iron | 0.36 | mg/L | 0.040 | 0.025 | 1 | 09/28/23 13:55 | 10/02/23 22:11 | 7439-89-6 | | |
| Potassium | 6.1 | mg/L | 0.50 | 0.15 | 1 | 09/28/23 13:55 | 10/02/23 22:11 | 7440-09-7 | | |
| Sodium | 19.1 | mg/L | 1.0 | 0.58 | 1 | 09/28/23 13:55 | 10/02/23 22:11 | 7440-23-5 | | |
| Calcium | 80.8 | mg/L | 1.0 | 0.12 | 1 | 09/28/23 13:55 | 10/02/23 22:11 | 7440-70-2 | | |
| Magnesium | 27.9 | mg/L | 0.050 | 0.012 | 1 | 09/28/23 13:55 | 10/02/23 22:11 | 7439-95-4 | | |
| 6020 MET ICPMS | | Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/14/23 11:00 | 09/25/23 16:51 | 7440-36-0 | | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/14/23 11:00 | 09/25/23 16:51 | 7440-38-2 | | |
| Barium | 0.046 | mg/L | 0.0050 | 0.00067 | 1 | 09/14/23 11:00 | 09/25/23 16:51 | 7440-39-3 | | |
| Beryllium | ND | mg/L | 0.00050 | 0.000054 | 1 | 09/14/23 11:00 | 09/25/23 16:51 | 7440-41-7 | | |
| Boron | 11.3 | mg/L | 0.40 | 0.086 | 10 | 09/14/23 11:00 | 09/26/23 14:24 | 7440-42-8 | | |
| Cadmium | ND | mg/L | 0.00050 | 0.00011 | 1 | 09/14/23 11:00 | 09/25/23 16:51 | 7440-43-9 | | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/14/23 11:00 | 09/25/23 16:51 | 7440-47-3 | | |
| Cobalt | 0.0010J | mg/L | 0.0050 | 0.00039 | 1 | 09/14/23 11:00 | 09/25/23 16:51 | 7440-48-4 | | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/14/23 11:00 | 09/25/23 16:51 | 7439-92-1 | | |
| Lithium | 0.012J | mg/L | 0.030 | 0.00073 | 1 | 09/14/23 11:00 | 09/25/23 16:51 | 7439-93-2 | | |
| Molybdenum | ND | mg/L | 0.010 | 0.00074 | 1 | 09/14/23 11:00 | 09/25/23 16:51 | 7439-98-7 | | |
| Selenium | ND | mg/L | 0.0050 | 0.0014 | 1 | 09/14/23 11:00 | 09/25/23 16:51 | 7782-49-2 | | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/14/23 11:00 | 09/25/23 16:51 | 7440-28-0 | | |
| 7470 Mercury | | Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 10/02/23 12:15 | 10/02/23 17:38 | 7439-97-6 | | |
| 2540C Total Dissolved Solids | | Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Total Dissolved Solids | 560 | mg/L | 25.0 | 25.0 | 1 | | 09/18/23 12:51 | | | |
| 2320B Alkalinity | | Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | 28.4 | mg/L | 5.0 | 5.0 | 1 | | 09/15/23 18:51 | | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/15/23 18:51 | | | |
| Alkalinity, Total as CaCO3 | 28.4 | mg/L | 5.0 | 5.0 | 1 | | 09/15/23 18:51 | | | |
| 4500S2D Sulfide Water | | Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/15/23 05:07 | 18496-25-8 | | |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | | |
| Chloride | 14.1 | mg/L | 1.0 | 0.60 | 1 | | 09/15/23 04:40 | 16887-00-6 | | |
| Fluoride | ND | mg/L | 0.10 | 0.050 | 1 | | 09/15/23 04:40 | 16984-48-8 | | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| Sample: MCD-B-107D | | Lab ID: 92686679022 | | Collected: 09/12/23 09:46 | | Received: 09/13/23 08:36 | | Matrix: Water | |
|--------------------------------|------------|---|--------------|---------------------------|----|--------------------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | |
| Sulfate | 308 | mg/L | 6.0 | 3.0 | 6 | | 09/15/23 13:43 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| Sample: MCD-B-120D | | Lab ID: 92686679023 | | Collected: 09/12/23 09:38 | | Received: 09/13/23 08:36 | | Matrix: Water | | |
|-------------------------------------|---------|--|---------|---------------------------|----|--------------------------|----------------|---------------|------|--|
| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual | |
| | | | Limit | MDL | DF | | | | | |
| 6010D ATL ICP | | Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Iron | 0.14 | mg/L | 0.040 | 0.025 | 1 | 09/28/23 13:55 | 10/02/23 22:17 | 7439-89-6 | | |
| Potassium | 8.0 | mg/L | 0.50 | 0.15 | 1 | 09/28/23 13:55 | 10/02/23 22:17 | 7440-09-7 | | |
| Sodium | 27.5 | mg/L | 1.0 | 0.58 | 1 | 09/28/23 13:55 | 10/02/23 22:17 | 7440-23-5 | | |
| Calcium | 110 | mg/L | 1.0 | 0.12 | 1 | 09/28/23 13:55 | 10/02/23 22:17 | 7440-70-2 | | |
| Magnesium | 22.5 | mg/L | 0.050 | 0.012 | 1 | 09/28/23 13:55 | 10/02/23 22:17 | 7439-95-4 | | |
| 6020 MET ICPMS | | Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/14/23 11:00 | 09/25/23 16:55 | 7440-36-0 | | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/14/23 11:00 | 09/25/23 16:55 | 7440-38-2 | | |
| Barium | 0.021 | mg/L | 0.0050 | 0.00067 | 1 | 09/14/23 11:00 | 09/25/23 16:55 | 7440-39-3 | | |
| Beryllium | 0.00066 | mg/L | 0.00050 | 0.000054 | 1 | 09/14/23 11:00 | 09/25/23 16:55 | 7440-41-7 | | |
| Boron | 1.0 | mg/L | 0.040 | 0.0086 | 1 | 09/14/23 11:00 | 09/25/23 16:55 | 7440-42-8 | | |
| Cadmium | 0.0010 | mg/L | 0.00050 | 0.00011 | 1 | 09/14/23 11:00 | 09/25/23 16:55 | 7440-43-9 | | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/14/23 11:00 | 09/25/23 16:55 | 7440-47-3 | | |
| Cobalt | 0.0022J | mg/L | 0.0050 | 0.00039 | 1 | 09/14/23 11:00 | 09/25/23 16:55 | 7440-48-4 | | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/14/23 11:00 | 09/25/23 16:55 | 7439-92-1 | | |
| Lithium | 0.044 | mg/L | 0.030 | 0.00073 | 1 | 09/14/23 11:00 | 09/25/23 16:55 | 7439-93-2 | | |
| Molybdenum | ND | mg/L | 0.010 | 0.00074 | 1 | 09/14/23 11:00 | 09/25/23 16:55 | 7439-98-7 | | |
| Selenium | 0.0052 | mg/L | 0.0050 | 0.0014 | 1 | 09/14/23 11:00 | 09/25/23 16:55 | 7782-49-2 | | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/14/23 11:00 | 09/25/23 16:55 | 7440-28-0 | | |
| 7470 Mercury | | Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 10/02/23 12:15 | 10/02/23 17:47 | 7439-97-6 | | |
| 2540C Total Dissolved Solids | | Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Total Dissolved Solids | 743 | mg/L | 25.0 | 25.0 | 1 | | 09/18/23 12:52 | | | |
| 2320B Alkalinity | | Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | 26.6 | mg/L | 5.0 | 5.0 | 1 | | 09/18/23 15:29 | | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/18/23 15:29 | | | |
| Alkalinity, Total as CaCO3 | 26.6 | mg/L | 5.0 | 5.0 | 1 | | 09/18/23 15:29 | | | |
| 4500S2D Sulfide Water | | Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/15/23 05:07 | 18496-25-8 | | |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | | |
| Chloride | 6.0 | mg/L | 1.0 | 0.60 | 1 | | 09/15/23 04:54 | 16887-00-6 | | |
| Fluoride | ND | mg/L | 0.10 | 0.050 | 1 | | 09/15/23 04:54 | 16984-48-8 | | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| Sample: MCD-B-120D | | Lab ID: 92686679023 | | Collected: 09/12/23 09:38 | | Received: 09/13/23 08:36 | | Matrix: Water | |
|---|---------|---------------------|-----------------|---------------------------|----|--------------------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfate | 420 | mg/L | 9.0 | 4.5 | 9 | | 09/15/23 13:57 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

Sample: MCD-B-104D **Lab ID: 92686679024** Collected: 09/13/23 12:34 Received: 09/14/23 14:22 Matrix: Water

| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual |
|---|----------|-------|---------|----------|----|----------------|----------------|------------|------|
| | | | Limit | MDL | DF | | | | |
| 6010D ATL ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Iron | 10.7 | mg/L | 0.040 | 0.025 | 1 | 09/28/23 13:55 | 10/02/23 22:32 | 7439-89-6 | |
| Potassium | 8.4 | mg/L | 0.50 | 0.15 | 1 | 09/28/23 13:55 | 10/02/23 22:32 | 7440-09-7 | |
| Sodium | 19.8 | mg/L | 1.0 | 0.58 | 1 | 09/28/23 13:55 | 10/02/23 22:32 | 7440-23-5 | |
| Calcium | 152 | mg/L | 1.0 | 0.12 | 1 | 09/28/23 13:55 | 10/02/23 22:32 | 7440-70-2 | |
| Magnesium | 25.6 | mg/L | 0.050 | 0.012 | 1 | 09/28/23 13:55 | 10/02/23 22:32 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/19/23 11:10 | 09/26/23 18:02 | 7440-36-0 | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/19/23 11:10 | 09/26/23 18:02 | 7440-38-2 | |
| Barium | 0.020 | mg/L | 0.0050 | 0.00067 | 1 | 09/19/23 11:10 | 09/26/23 18:02 | 7440-39-3 | |
| Beryllium | 0.0016 | mg/L | 0.00050 | 0.000054 | 1 | 09/19/23 11:10 | 09/26/23 18:02 | 7440-41-7 | |
| Boron | 0.26 | mg/L | 0.040 | 0.0086 | 1 | 09/19/23 11:10 | 09/26/23 18:02 | 7440-42-8 | |
| Cadmium | ND | mg/L | 0.00050 | 0.00011 | 1 | 09/19/23 11:10 | 09/26/23 18:02 | 7440-43-9 | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/19/23 11:10 | 09/26/23 18:02 | 7440-47-3 | |
| Cobalt | 0.18 | mg/L | 0.0050 | 0.00039 | 1 | 09/19/23 11:10 | 09/26/23 18:02 | 7440-48-4 | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/19/23 11:10 | 09/26/23 18:02 | 7439-92-1 | |
| Lithium | 0.040 | mg/L | 0.030 | 0.00073 | 1 | 09/19/23 11:10 | 09/26/23 18:02 | 7439-93-2 | |
| Molybdenum | 0.00092J | mg/L | 0.010 | 0.00074 | 1 | 09/19/23 11:10 | 09/26/23 18:02 | 7439-98-7 | |
| Selenium | 0.0016J | mg/L | 0.0050 | 0.0014 | 1 | 09/19/23 11:10 | 09/26/23 18:02 | 7782-49-2 | |
| Thallium | 0.00028J | mg/L | 0.0010 | 0.00018 | 1 | 09/19/23 11:10 | 09/26/23 18:02 | 7440-28-0 | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470A Preparation Method: EPA 7470A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 09/26/23 07:00 | 09/26/23 12:47 | 7439-97-6 | |
| 2540C Total Dissolved Solids | | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Total Dissolved Solids | 839 | mg/L | 25.0 | 25.0 | 1 | | 09/20/23 20:08 | | |
| 2320B Alkalinity | | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | 73.0 | mg/L | 5.0 | 5.0 | 1 | | 09/19/23 16:04 | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/19/23 16:04 | | |
| Alkalinity, Total as CaCO3 | 73.0 | mg/L | 5.0 | 5.0 | 1 | | 09/19/23 16:04 | | |
| 4500S2D Sulfide Water | | | | | | | | | |
| Analytical Method: SM 4500-S2D-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/20/23 02:41 | 18496-25-8 | |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Chloride | 7.7 | mg/L | 1.0 | 0.60 | 1 | | 09/19/23 10:26 | 16887-00-6 | |
| Fluoride | 0.30 | mg/L | 0.10 | 0.050 | 1 | | 09/19/23 10:26 | 16984-48-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| Sample: MCD-B-104D | | Lab ID: 92686679024 | | Collected: 09/13/23 12:34 | | Received: 09/14/23 14:22 | | Matrix: Water | |
|---|---------|---------------------|--------------|---------------------------|----|--------------------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfate | 472 | mg/L | 10.0 | 5.0 | 10 | | 09/17/23 00:39 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| Sample: MCD-B-108D | | Lab ID: 92686679025 | | Collected: 09/13/23 13:54 | | Received: 09/14/23 14:22 | | Matrix: Water | | |
|-------------------------------------|----------|--|---------|---------------------------|----|--------------------------|----------------|---------------|------|--|
| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual | |
| | | | Limit | MDL | DF | | | | | |
| 6010D ATL ICP | | Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Iron | 0.38 | mg/L | 0.040 | 0.025 | 1 | 09/28/23 13:55 | 10/02/23 22:38 | 7439-89-6 | | |
| Potassium | 5.6 | mg/L | 0.50 | 0.15 | 1 | 09/28/23 13:55 | 10/02/23 22:38 | 7440-09-7 | | |
| Sodium | 18.1 | mg/L | 1.0 | 0.58 | 1 | 09/28/23 13:55 | 10/02/23 22:38 | 7440-23-5 | | |
| Calcium | 83.9 | mg/L | 1.0 | 0.12 | 1 | 09/28/23 13:55 | 10/02/23 22:38 | 7440-70-2 | | |
| Magnesium | 32.5 | mg/L | 0.050 | 0.012 | 1 | 09/28/23 13:55 | 10/02/23 22:38 | 7439-95-4 | | |
| 6020 MET ICPMS | | Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/19/23 11:10 | 09/27/23 12:34 | 7440-36-0 | | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/19/23 11:10 | 09/26/23 18:19 | 7440-38-2 | | |
| Barium | 0.051 | mg/L | 0.0050 | 0.00067 | 1 | 09/19/23 11:10 | 09/26/23 18:19 | 7440-39-3 | | |
| Beryllium | ND | mg/L | 0.00050 | 0.000054 | 1 | 09/19/23 11:10 | 09/26/23 18:19 | 7440-41-7 | | |
| Boron | 6.4 | mg/L | 0.040 | 0.0086 | 1 | 09/19/23 11:10 | 09/26/23 18:19 | 7440-42-8 | | |
| Cadmium | ND | mg/L | 0.00050 | 0.00011 | 1 | 09/19/23 11:10 | 09/26/23 18:19 | 7440-43-9 | | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/19/23 11:10 | 09/26/23 18:19 | 7440-47-3 | | |
| Cobalt | 0.00045J | mg/L | 0.0050 | 0.00039 | 1 | 09/19/23 11:10 | 09/26/23 18:19 | 7440-48-4 | | |
| Lead | 0.0025 | mg/L | 0.0010 | 0.00012 | 1 | 09/19/23 11:10 | 09/26/23 18:19 | 7439-92-1 | | |
| Lithium | 0.014J | mg/L | 0.030 | 0.00073 | 1 | 09/19/23 11:10 | 09/26/23 18:19 | 7439-93-2 | | |
| Molybdenum | 0.00078J | mg/L | 0.010 | 0.00074 | 1 | 09/19/23 11:10 | 09/26/23 18:19 | 7439-98-7 | | |
| Selenium | ND | mg/L | 0.0050 | 0.0014 | 1 | 09/19/23 11:10 | 09/26/23 18:19 | 7782-49-2 | | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/19/23 11:10 | 09/26/23 18:19 | 7440-28-0 | | |
| 7470 Mercury | | Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 09/26/23 07:00 | 09/26/23 13:03 | 7439-97-6 | | |
| 2540C Total Dissolved Solids | | Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Total Dissolved Solids | 607 | mg/L | 25.0 | 25.0 | 1 | | 09/20/23 20:08 | | | |
| 2320B Alkalinity | | Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | 28.1 | mg/L | 5.0 | 5.0 | 1 | | 09/19/23 16:12 | | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/19/23 16:12 | | | |
| Alkalinity, Total as CaCO3 | 28.1 | mg/L | 5.0 | 5.0 | 1 | | 09/19/23 16:12 | | | |
| 4500S2D Sulfide Water | | Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/20/23 02:42 | 18496-25-8 | | |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | | |
| Chloride | 29.9 | mg/L | 1.0 | 0.60 | 1 | | 09/19/23 10:40 | 16887-00-6 | | |
| Fluoride | ND | mg/L | 0.10 | 0.050 | 1 | | 09/19/23 10:40 | 16984-48-8 | | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| Sample: MCD-B-108D | | Lab ID: 92686679025 | | Collected: 09/13/23 13:54 | | Received: 09/14/23 14:22 | | Matrix: Water | |
|--------------------------------|------------|---|--------------|---------------------------|----|--------------------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | |
| Sulfate | 296 | mg/L | 6.0 | 3.0 | 6 | | 09/17/23 00:53 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| Sample: MCD-B-111D | Lab ID: 92686679026 | Collected: 09/13/23 12:42 | Received: 09/14/23 14:22 | Matrix: Water | | | | | |
|--|---------------------|---------------------------|--------------------------|---------------|----|----------------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
| 6010D ATL ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Iron | 2.1 | mg/L | 0.040 | 0.025 | 1 | 09/28/23 13:55 | 10/02/23 22:43 | 7439-89-6 | |
| Potassium | 6.1 | mg/L | 0.50 | 0.15 | 1 | 09/28/23 13:55 | 10/02/23 22:43 | 7440-09-7 | |
| Sodium | 39.8 | mg/L | 1.0 | 0.58 | 1 | 09/28/23 13:55 | 10/02/23 22:43 | 7440-23-5 | |
| Calcium | 93.4 | mg/L | 1.0 | 0.12 | 1 | 09/28/23 13:55 | 10/02/23 22:43 | 7440-70-2 | |
| Magnesium | 8.5 | mg/L | 0.050 | 0.012 | 1 | 09/28/23 13:55 | 10/02/23 22:43 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Antimony | 0.0016J | mg/L | 0.0030 | 0.0012 | 1 | 09/19/23 11:10 | 09/26/23 18:23 | 7440-36-0 | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/19/23 11:10 | 09/26/23 18:23 | 7440-38-2 | |
| Barium | 0.031 | mg/L | 0.0050 | 0.00067 | 1 | 09/19/23 11:10 | 09/26/23 18:23 | 7440-39-3 | |
| Beryllium | ND | mg/L | 0.00050 | 0.000054 | 1 | 09/19/23 11:10 | 09/26/23 18:23 | 7440-41-7 | |
| Boron | 0.23 | mg/L | 0.040 | 0.0086 | 1 | 09/19/23 11:10 | 09/26/23 18:23 | 7440-42-8 | |
| Cadmium | ND | mg/L | 0.00050 | 0.00011 | 1 | 09/19/23 11:10 | 09/26/23 18:23 | 7440-43-9 | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/19/23 11:10 | 09/26/23 18:23 | 7440-47-3 | |
| Cobalt | ND | mg/L | 0.0050 | 0.00039 | 1 | 09/19/23 11:10 | 09/26/23 18:23 | 7440-48-4 | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/19/23 11:10 | 09/26/23 18:23 | 7439-92-1 | |
| Lithium | 0.019J | mg/L | 0.030 | 0.00073 | 1 | 09/19/23 11:10 | 09/26/23 18:23 | 7439-93-2 | |
| Molybdenum | 0.0071J | mg/L | 0.010 | 0.00074 | 1 | 09/19/23 11:10 | 09/26/23 18:23 | 7439-98-7 | |
| Selenium | ND | mg/L | 0.0050 | 0.0014 | 1 | 09/19/23 11:10 | 09/26/23 18:23 | 7782-49-2 | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/19/23 11:10 | 09/26/23 18:23 | 7440-28-0 | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470A Preparation Method: EPA 7470A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 09/26/23 07:00 | 09/26/23 13:05 | 7439-97-6 | |
| 2540C Total Dissolved Solids | | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Total Dissolved Solids | 506 | mg/L | 25.0 | 25.0 | 1 | | 09/20/23 20:09 | | |
| 2320B Alkalinity | | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | 115 | mg/L | 5.0 | 5.0 | 1 | | 09/19/23 16:19 | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/19/23 16:19 | | |
| Alkalinity, Total as CaCO3 | 115 | mg/L | 5.0 | 5.0 | 1 | | 09/19/23 16:19 | | |
| 4500S2D Sulfide Water | | | | | | | | | |
| Analytical Method: SM 4500-S2D-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfide | 0.036J | mg/L | 0.10 | 0.022 | 1 | | 09/20/23 02:42 | 18496-25-8 | |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Chloride | 10.2 | mg/L | 1.0 | 0.60 | 1 | | 09/19/23 10:54 | 16887-00-6 | |
| Fluoride | 0.36 | mg/L | 0.10 | 0.050 | 1 | | 09/19/23 10:54 | 16984-48-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| Sample: MCD-B-111D | | Lab ID: 92686679026 | | Collected: 09/13/23 12:42 | | Received: 09/14/23 14:22 | | Matrix: Water | |
|--------------------------------|------------|---|--------------|---------------------------|----|--------------------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | |
| Sulfate | 233 | mg/L | 5.0 | 2.5 | 5 | | 09/17/23 01:07 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

Sample: MCD-B-125D **Lab ID: 92686679027** Collected: 09/14/23 10:00 Received: 09/14/23 14:22 Matrix: Water

| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual |
|---|----------|-------|---------|----------|----|----------------|----------------|------------|------|
| | | | Limit | MDL | DF | | | | |
| 6010D ATL ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Iron | 4.8 | mg/L | 0.040 | 0.025 | 1 | 09/28/23 13:55 | 10/02/23 22:48 | 7439-89-6 | |
| Potassium | 10.4 | mg/L | 0.50 | 0.15 | 1 | 09/28/23 13:55 | 10/02/23 22:48 | 7440-09-7 | |
| Sodium | 42.0 | mg/L | 1.0 | 0.58 | 1 | 09/28/23 13:55 | 10/02/23 22:48 | 7440-23-5 | |
| Calcium | 140 | mg/L | 1.0 | 0.12 | 1 | 09/28/23 13:55 | 10/02/23 22:48 | 7440-70-2 | |
| Magnesium | 26.8 | mg/L | 0.050 | 0.012 | 1 | 09/28/23 13:55 | 10/02/23 22:48 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/19/23 11:10 | 09/26/23 18:27 | 7440-36-0 | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/19/23 11:10 | 09/26/23 18:27 | 7440-38-2 | |
| Barium | 0.058 | mg/L | 0.0050 | 0.00067 | 1 | 09/19/23 11:10 | 09/26/23 18:27 | 7440-39-3 | |
| Beryllium | 0.00013J | mg/L | 0.00050 | 0.000054 | 1 | 09/19/23 11:10 | 09/26/23 18:27 | 7440-41-7 | |
| Boron | 1.1 | mg/L | 0.040 | 0.0086 | 1 | 09/19/23 11:10 | 09/26/23 18:27 | 7440-42-8 | |
| Cadmium | ND | mg/L | 0.00050 | 0.00011 | 1 | 09/19/23 11:10 | 09/26/23 18:27 | 7440-43-9 | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/19/23 11:10 | 09/26/23 18:27 | 7440-47-3 | |
| Cobalt | 0.0052 | mg/L | 0.0050 | 0.00039 | 1 | 09/19/23 11:10 | 09/26/23 18:27 | 7440-48-4 | |
| Lead | 0.00015J | mg/L | 0.0010 | 0.00012 | 1 | 09/19/23 11:10 | 09/26/23 18:27 | 7439-92-1 | |
| Lithium | 0.031 | mg/L | 0.030 | 0.00073 | 1 | 09/19/23 11:10 | 09/26/23 18:27 | 7439-93-2 | |
| Molybdenum | 0.0034J | mg/L | 0.010 | 0.00074 | 1 | 09/19/23 11:10 | 09/26/23 18:27 | 7439-98-7 | |
| Selenium | ND | mg/L | 0.0050 | 0.0014 | 1 | 09/19/23 11:10 | 09/26/23 18:27 | 7782-49-2 | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/19/23 11:10 | 09/26/23 18:27 | 7440-28-0 | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470A Preparation Method: EPA 7470A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 09/26/23 07:00 | 09/26/23 13:08 | 7439-97-6 | |
| 2540C Total Dissolved Solids | | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Total Dissolved Solids | 853 | mg/L | 25.0 | 25.0 | 1 | | 09/20/23 15:19 | | |
| 2320B Alkalinity | | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | 75.6 | mg/L | 5.0 | 5.0 | 1 | | 09/21/23 14:06 | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/21/23 14:06 | | |
| Alkalinity, Total as CaCO3 | 75.6 | mg/L | 5.0 | 5.0 | 1 | | 09/21/23 14:06 | | |
| 4500S2D Sulfide Water | | | | | | | | | |
| Analytical Method: SM 4500-S2D-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/20/23 02:55 | 18496-25-8 | |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Chloride | 5.9 | mg/L | 1.0 | 0.60 | 1 | | 09/19/23 11:08 | 16887-00-6 | |
| Fluoride | ND | mg/L | 0.10 | 0.050 | 1 | | 09/19/23 11:08 | 16984-48-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Assessment
 Pace Project No.: 92686679

| Sample: MCD-B-125D | | Lab ID: 92686679027 | | Collected: 09/14/23 10:00 | | Received: 09/14/23 14:22 | | Matrix: Water | |
|--------------------------------|------------|---|--------------|---------------------------|----|--------------------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | |
| Sulfate | 465 | mg/L | 10.0 | 5.0 | 10 | | 09/17/23 01:22 | 14808-79-8 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| | | | |
|------------------|-----------|-----------------------|--|
| QC Batch: | 798622 | Analysis Method: | EPA 6010D |
| QC Batch Method: | EPA 3010A | Analysis Description: | 6010D ATL |
| | | Laboratory: | Pace Analytical Services - Peachtree Corners, GA |

Associated Lab Samples: 92686679001, 92686679002, 92686679003, 92686679004, 92686679005, 92686679006

METHOD BLANK: 4136598 Matrix: Water
 Associated Lab Samples: 92686679001, 92686679002, 92686679003, 92686679004, 92686679005, 92686679006

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|-------|----------------|------------|
| Calcium | mg/L | ND | 1.0 | 0.12 | 09/11/23 20:25 | |
| Iron | mg/L | ND | 0.040 | 0.025 | 09/11/23 20:25 | |
| Magnesium | mg/L | ND | 0.050 | 0.012 | 09/11/23 20:25 | |
| Potassium | mg/L | ND | 0.50 | 0.15 | 09/11/23 20:25 | |
| Sodium | mg/L | ND | 1.0 | 0.58 | 09/11/23 20:25 | |

LABORATORY CONTROL SAMPLE: 4136599

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Calcium | mg/L | 1 | 1.0 | 104 | 80-120 | |
| Iron | mg/L | 1 | 1.1 | 106 | 80-120 | |
| Magnesium | mg/L | 1 | 1.1 | 106 | 80-120 | |
| Potassium | mg/L | 1 | 1.0 | 103 | 80-120 | |
| Sodium | mg/L | 1 | 0.99J | 99 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4136986 4136987

| Parameter | Units | MS | | MSD | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|--------------------|-------------|-------------|--------|----------|-----------|--------------|--------|---------|-------|
| | | 92686676002 Result | Spike Conc. | Spike Conc. | Result | | | | | | |
| Calcium | mg/L | 7.0 | 1 | 1 | 8.2 | 7.6 | 115 | 58 | 75-125 | 7 | 20 M1 |
| Iron | mg/L | 0.091 | 1 | 1 | 1.2 | 1.1 | 108 | 106 | 75-125 | 2 | 20 |
| Magnesium | mg/L | 0.98 | 1 | 1 | 2.1 | 2.0 | 108 | 101 | 75-125 | 4 | 20 |
| Potassium | mg/L | 0.77 | 1 | 1 | 1.8 | 1.8 | 104 | 101 | 75-125 | 1 | 20 |
| Sodium | mg/L | 8.8 | 1 | 1 | 9.9 | 9.2 | 117 | 42 | 75-125 | 8 | 20 M1 |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| | | | |
|------------------|-----------|-----------------------|--|
| QC Batch: | 798869 | Analysis Method: | EPA 6010D |
| QC Batch Method: | EPA 3010A | Analysis Description: | 6010D ATL |
| | | Laboratory: | Pace Analytical Services - Peachtree Corners, GA |

Associated Lab Samples: 92686679007, 92686679008, 92686679009, 92686679010, 92686679011, 92686679012

METHOD BLANK: 4137528 Matrix: Water
 Associated Lab Samples: 92686679007, 92686679008, 92686679009, 92686679010, 92686679011, 92686679012

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|-------|----------------|------------|
| Calcium | mg/L | ND | 1.0 | 0.12 | 09/13/23 10:22 | |
| Iron | mg/L | ND | 0.040 | 0.025 | 09/13/23 10:22 | |
| Magnesium | mg/L | ND | 0.050 | 0.012 | 09/13/23 10:22 | |
| Potassium | mg/L | ND | 0.50 | 0.15 | 09/13/23 10:22 | |
| Sodium | mg/L | ND | 1.0 | 0.58 | 09/13/23 10:22 | |

LABORATORY CONTROL SAMPLE: 4137529

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Calcium | mg/L | 1 | 1.0J | 100 | 80-120 | |
| Iron | mg/L | 1 | 1.0 | 100 | 80-120 | |
| Magnesium | mg/L | 1 | 1.0 | 102 | 80-120 | |
| Potassium | mg/L | 1 | 0.92 | 92 | 80-120 | |
| Sodium | mg/L | 1 | 0.96J | 96 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4137530 4137531

| Parameter | Units | MS | | MSD | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|--------------------|-------------|-------------|--------|----------|-----------|--------------|--------|---------|-------|
| | | 92686941001 Result | Spike Conc. | Spike Conc. | Result | | | | | | |
| Calcium | mg/L | 71.8 | 1 | 1 | 68.4 | 71.2 | -338 | -59 | 75-125 | 4 | 20 M1 |
| Iron | mg/L | 2.1 | 1 | 1 | 3.0 | 3.0 | 86 | 93 | 75-125 | 2 | 20 |
| Magnesium | mg/L | 24.6 | 1 | 1 | 24.1 | 25.0 | -53 | 33 | 75-125 | 4 | 20 M1 |
| Potassium | mg/L | 8.2 | 1 | 1 | 8.7 | 9.1 | 42 | 82 | 75-125 | 5 | 20 M1 |
| Sodium | mg/L | 20.0 | 1 | 1 | 19.8 | 20.6 | -19 | 59 | 75-125 | 4 | 20 M1 |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

QC Batch: 799401 Analysis Method: EPA 6010D
 QC Batch Method: EPA 3010A Analysis Description: 6010D ATL
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92686679013, 92686679014, 92686679015, 92686679016, 92686679017, 92686679018

METHOD BLANK: 4140560 Matrix: Water
 Associated Lab Samples: 92686679013, 92686679014, 92686679015, 92686679016, 92686679017, 92686679018

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|-------|----------------|------------|
| Calcium | mg/L | ND | 1.0 | 0.12 | 09/17/23 11:47 | |
| Iron | mg/L | ND | 0.040 | 0.025 | 09/17/23 11:47 | |
| Magnesium | mg/L | ND | 0.050 | 0.012 | 09/17/23 11:47 | |
| Potassium | mg/L | ND | 0.50 | 0.15 | 09/17/23 11:47 | |
| Sodium | mg/L | ND | 1.0 | 0.58 | 09/17/23 11:47 | |

LABORATORY CONTROL SAMPLE: 4140561

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Calcium | mg/L | 1 | 1.0 | 102 | 80-120 | |
| Iron | mg/L | 1 | 1.0 | 105 | 80-120 | |
| Magnesium | mg/L | 1 | 1.1 | 106 | 80-120 | |
| Potassium | mg/L | 1 | 0.94 | 94 | 80-120 | |
| Sodium | mg/L | 1 | 0.99J | 99 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4140562 4140563

| Parameter | Units | MS | | MSD | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|--------------------|-------------|-------------|--------|----------|-----------|--------------|--------|---------|-------|
| | | 92686947010 Result | Spike Conc. | Spike Conc. | Result | | | | | | |
| Calcium | mg/L | 30.8 | 1 | 1 | 32.4 | 31.7 | 155 | 93 | 75-125 | 2 | 20 M1 |
| Iron | mg/L | 26.4 | 1 | 1 | 27.9 | 27.5 | 149 | 104 | 75-125 | 2 | 20 M1 |
| Magnesium | mg/L | 18.1 | 1 | 1 | 19.3 | 19.0 | 125 | 92 | 75-125 | 2 | 20 |
| Potassium | mg/L | 8.5 | 1 | 1 | 9.6 | 9.5 | 115 | 98 | 75-125 | 2 | 20 |
| Sodium | mg/L | 8.0 | 1 | 1 | 9.1 | 8.9 | 106 | 94 | 75-125 | 1 | 20 |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

QC Batch: 802701 Analysis Method: EPA 6010D
 QC Batch Method: EPA 3010A Analysis Description: 6010D ATL
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92686679019, 92686679020, 92686679021, 92686679022, 92686679023, 92686679024, 92686679025, 92686679026, 92686679027

METHOD BLANK: 4157628 Matrix: Water
 Associated Lab Samples: 92686679019, 92686679020, 92686679021, 92686679022, 92686679023, 92686679024, 92686679025, 92686679026, 92686679027

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|-------|----------------|------------|
| Calcium | mg/L | ND | 1.0 | 0.12 | 10/02/23 21:19 | |
| Iron | mg/L | ND | 0.040 | 0.025 | 10/02/23 21:19 | |
| Magnesium | mg/L | ND | 0.050 | 0.012 | 10/02/23 21:19 | |
| Potassium | mg/L | ND | 0.50 | 0.15 | 10/02/23 21:19 | |
| Sodium | mg/L | ND | 1.0 | 0.58 | 10/02/23 21:19 | |

LABORATORY CONTROL SAMPLE: 4157629

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Calcium | mg/L | 1 | 1.1 | 106 | 80-120 | |
| Iron | mg/L | 1 | 1.0 | 101 | 80-120 | |
| Magnesium | mg/L | 1 | 1.0 | 101 | 80-120 | |
| Potassium | mg/L | 1 | 1.1 | 108 | 80-120 | |
| Sodium | mg/L | 1 | 1.1 | 112 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4158650 4158651

| Parameter | Units | MS | | MSD | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|--------------------|-------------|-------------|-----------|----------|-----------|--------------|--------|---------|-------|
| | | 92686679021 Result | Spike Conc. | Spike Conc. | MS Result | | | | | | |
| Calcium | mg/L | 102 | 1 | 1 | 101 | 104 | -23 | 236 | 75-125 | 3 | 20 M1 |
| Iron | mg/L | 0.29 | 1 | 1 | 1.2 | 1.3 | 95 | 98 | 75-125 | 3 | 20 |
| Magnesium | mg/L | 34.7 | 1 | 1 | 35.3 | 36.0 | 51 | 129 | 75-125 | 2 | 20 M1 |
| Potassium | mg/L | 10.9 | 1 | 1 | 11.7 | 12.2 | 88 | 131 | 75-125 | 4 | 20 M1 |
| Sodium | mg/L | 26.4 | 1 | 1 | 27.2 | 27.5 | 79 | 115 | 75-125 | 1 | 20 |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| | | | |
|------------------|-----------|-----------------------|--|
| QC Batch: | 798623 | Analysis Method: | EPA 6020B |
| QC Batch Method: | EPA 3005A | Analysis Description: | 6020 MET |
| | | Laboratory: | Pace Analytical Services - Peachtree Corners, GA |

Associated Lab Samples: 92686679001, 92686679002, 92686679003, 92686679004, 92686679005, 92686679006

METHOD BLANK: 4136603 Matrix: Water

Associated Lab Samples: 92686679001, 92686679002, 92686679003, 92686679004, 92686679005, 92686679006

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|------------|-------|--------------|-----------------|----------|----------------|------------|
| Antimony | mg/L | ND | 0.0030 | 0.0012 | 09/13/23 12:38 | |
| Arsenic | mg/L | ND | 0.0050 | 0.0037 | 09/13/23 12:38 | |
| Barium | mg/L | ND | 0.0050 | 0.00067 | 09/14/23 16:38 | |
| Beryllium | mg/L | ND | 0.00050 | 0.000054 | 09/13/23 12:38 | |
| Boron | mg/L | ND | 0.040 | 0.0086 | 09/13/23 12:38 | |
| Cadmium | mg/L | ND | 0.00050 | 0.00011 | 09/13/23 12:38 | |
| Chromium | mg/L | ND | 0.0050 | 0.0011 | 09/13/23 12:38 | |
| Cobalt | mg/L | ND | 0.0050 | 0.00039 | 09/13/23 12:38 | |
| Lead | mg/L | ND | 0.0010 | 0.00012 | 09/13/23 12:38 | |
| Lithium | mg/L | ND | 0.030 | 0.00073 | 09/13/23 12:38 | |
| Molybdenum | mg/L | ND | 0.010 | 0.00074 | 09/13/23 12:38 | |
| Selenium | mg/L | ND | 0.0050 | 0.0014 | 09/13/23 12:38 | |
| Thallium | mg/L | ND | 0.0010 | 0.00018 | 09/13/23 12:38 | |

LABORATORY CONTROL SAMPLE: 4136604

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------|-------|-------------|------------|-----------|--------------|------------|
| Antimony | mg/L | 0.1 | 0.11 | 107 | 80-120 | |
| Arsenic | mg/L | 0.1 | 0.097 | 97 | 80-120 | |
| Barium | mg/L | 0.1 | 0.098 | 98 | 80-120 | |
| Beryllium | mg/L | 0.1 | 0.097 | 97 | 80-120 | |
| Boron | mg/L | 1 | 0.99 | 99 | 80-120 | |
| Cadmium | mg/L | 0.1 | 0.10 | 100 | 80-120 | |
| Chromium | mg/L | 0.1 | 0.10 | 102 | 80-120 | |
| Cobalt | mg/L | 0.1 | 0.10 | 101 | 80-120 | |
| Lead | mg/L | 0.1 | 0.099 | 99 | 80-120 | |
| Lithium | mg/L | 0.1 | 0.099 | 99 | 80-120 | |
| Molybdenum | mg/L | 0.1 | 0.10 | 105 | 80-120 | |
| Selenium | mg/L | 0.1 | 0.099 | 99 | 80-120 | |
| Thallium | mg/L | 0.1 | 0.096 | 96 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4136605 4136606

| Parameter | Units | MS | | MSD | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|-------------|--------|-------------|-------------|----------|-----------|--------------|--------|---------|------|
| | | 92686676001 | Result | Spike Conc. | Spike Conc. | | | | | | |
| Antimony | mg/L | ND | 0.1 | 0.1 | 0.10 | 0.10 | 104 | 105 | 75-125 | 1 | 20 |
| Arsenic | mg/L | ND | 0.1 | 0.1 | 0.098 | 0.099 | 98 | 98 | 75-125 | 1 | 20 |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| Parameter | Units | 4136605 | | | 4136606 | | | % Rec | % Rec | % Rec | Limits | RPD | Max RPD | Qual |
|------------|-------|-------------|----------------|-----------------|-----------|------------|----------|-------|--------|-------|--------|-----|---------|------|
| | | 92686676001 | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | | | | | | | |
| Barium | mg/L | 0.041 | 0.1 | 0.1 | 0.15 | 0.15 | 105 | 107 | 75-125 | 2 | 20 | | | |
| Beryllium | mg/L | 0.00012J | 0.1 | 0.1 | 0.098 | 0.097 | 98 | 97 | 75-125 | 1 | 20 | | | |
| Boron | mg/L | 0.012J | 1 | 1 | 1.0 | 1.0 | 102 | 102 | 75-125 | 0 | 20 | | | |
| Cadmium | mg/L | ND | 0.1 | 0.1 | 0.099 | 0.10 | 99 | 102 | 75-125 | 3 | 20 | | | |
| Chromium | mg/L | ND | 0.1 | 0.1 | 0.10 | 0.10 | 102 | 104 | 75-125 | 2 | 20 | | | |
| Cobalt | mg/L | ND | 0.1 | 0.1 | 0.10 | 0.10 | 102 | 104 | 75-125 | 2 | 20 | | | |
| Lead | mg/L | ND | 0.1 | 0.1 | 0.098 | 0.098 | 97 | 98 | 75-125 | 1 | 20 | | | |
| Lithium | mg/L | ND | 0.1 | 0.1 | 0.098 | 0.096 | 97 | 96 | 75-125 | 2 | 20 | | | |
| Molybdenum | mg/L | ND | 0.1 | 0.1 | 0.10 | 0.10 | 100 | 102 | 75-125 | 2 | 20 | | | |
| Selenium | mg/L | ND | 0.1 | 0.1 | 0.098 | 0.10 | 98 | 99 | 75-125 | 2 | 20 | | | |
| Thallium | mg/L | 0.00053J | 0.1 | 0.1 | 0.095 | 0.095 | 94 | 95 | 75-125 | 0 | 20 | | | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| | | | |
|------------------|-----------|-----------------------|--|
| QC Batch: | 798903 | Analysis Method: | EPA 6020B |
| QC Batch Method: | EPA 3005A | Analysis Description: | 6020 MET |
| | | Laboratory: | Pace Analytical Services - Peachtree Corners, GA |

Associated Lab Samples: 92686679007, 92686679008, 92686679009, 92686679010, 92686679011, 92686679012

METHOD BLANK: 4137724 Matrix: Water

Associated Lab Samples: 92686679007, 92686679008, 92686679009, 92686679010, 92686679011, 92686679012

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|------------|-------|--------------|-----------------|----------|----------------|------------|
| Antimony | mg/L | ND | 0.0030 | 0.0012 | 09/14/23 16:50 | |
| Arsenic | mg/L | ND | 0.0050 | 0.0037 | 09/14/23 16:50 | |
| Barium | mg/L | ND | 0.0050 | 0.00067 | 09/14/23 16:50 | |
| Beryllium | mg/L | ND | 0.00050 | 0.000054 | 09/14/23 16:50 | |
| Boron | mg/L | ND | 0.040 | 0.0086 | 09/14/23 16:50 | |
| Cadmium | mg/L | ND | 0.00050 | 0.00011 | 09/14/23 16:50 | |
| Chromium | mg/L | ND | 0.0050 | 0.0011 | 09/14/23 16:50 | |
| Cobalt | mg/L | ND | 0.0050 | 0.00039 | 09/14/23 16:50 | |
| Lead | mg/L | ND | 0.0010 | 0.00012 | 09/14/23 16:50 | |
| Lithium | mg/L | ND | 0.030 | 0.00073 | 09/14/23 16:50 | |
| Molybdenum | mg/L | ND | 0.010 | 0.00074 | 09/14/23 16:50 | |
| Selenium | mg/L | ND | 0.0050 | 0.0014 | 09/14/23 16:50 | |
| Thallium | mg/L | ND | 0.0010 | 0.00018 | 09/14/23 16:50 | |

LABORATORY CONTROL SAMPLE: 4137725

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------|-------|-------------|------------|-----------|--------------|------------|
| Antimony | mg/L | 0.1 | 0.11 | 109 | 80-120 | |
| Arsenic | mg/L | 0.1 | 0.10 | 102 | 80-120 | |
| Barium | mg/L | 0.1 | 0.10 | 102 | 80-120 | |
| Beryllium | mg/L | 0.1 | 0.098 | 98 | 80-120 | |
| Boron | mg/L | 1 | 0.99 | 99 | 80-120 | |
| Cadmium | mg/L | 0.1 | 0.10 | 102 | 80-120 | |
| Chromium | mg/L | 0.1 | 0.10 | 102 | 80-120 | |
| Cobalt | mg/L | 0.1 | 0.10 | 101 | 80-120 | |
| Lead | mg/L | 0.1 | 0.099 | 99 | 80-120 | |
| Lithium | mg/L | 0.1 | 0.10 | 101 | 80-120 | |
| Molybdenum | mg/L | 0.1 | 0.10 | 101 | 80-120 | |
| Selenium | mg/L | 0.1 | 0.10 | 102 | 80-120 | |
| Thallium | mg/L | 0.1 | 0.097 | 97 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4137726 4137727

| Parameter | Units | MS | | MSD | | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|-------------|--------|-------------|-------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| | | 92686941002 | Result | Spike Conc. | Spike Conc. | | | | | | | | |
| Antimony | mg/L | ND | 0.1 | 0.1 | 0.1 | 0.10 | 110 | 104 | 75-125 | 6 | 20 | | |
| Arsenic | mg/L | ND | 0.1 | 0.1 | 0.11 | 0.099 | 106 | 99 | 75-125 | 7 | 20 | | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| Parameter | Units | 4137726 | | 4137727 | | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|------------|-------|-----------------------|----------------------|-----------------------|--------------|--------------|---------------|-------------|--------------|-----------------|-----|------------|------|
| | | 92686941002 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | | | | | | | | |
| Barium | mg/L | 0.0027J | 0.1 | 0.1 | 0.11 | 0.10 | 105 | 100 | 75-125 | 5 | 20 | | |
| Beryllium | mg/L | ND | 0.1 | 0.1 | 0.10 | 0.097 | 100 | 97 | 75-125 | 4 | 20 | | |
| Boron | mg/L | 0.24 | 1 | 1 | 1.3 | 1.2 | 103 | 99 | 75-125 | 3 | 20 | | |
| Cadmium | mg/L | ND | 0.1 | 0.1 | 0.11 | 0.10 | 107 | 100 | 75-125 | 6 | 20 | | |
| Chromium | mg/L | ND | 0.1 | 0.1 | 0.10 | 0.094 | 102 | 93 | 75-125 | 8 | 20 | | |
| Cobalt | mg/L | 0.00040J | 0.1 | 0.1 | 0.10 | 0.094 | 101 | 94 | 75-125 | 8 | 20 | | |
| Lead | mg/L | ND | 0.1 | 0.1 | 0.095 | 0.091 | 95 | 91 | 75-125 | 4 | 20 | | |
| Lithium | mg/L | 0.0043J | 0.1 | 0.1 | 0.10 | 0.099 | 100 | 94 | 75-125 | 6 | 20 | | |
| Molybdenum | mg/L | 0.026 | 0.1 | 0.1 | 0.13 | 0.12 | 105 | 97 | 75-125 | 6 | 20 | | |
| Selenium | mg/L | ND | 0.1 | 0.1 | 0.10 | 0.098 | 104 | 98 | 75-125 | 6 | 20 | | |
| Thallium | mg/L | ND | 0.1 | 0.1 | 0.092 | 0.089 | 92 | 89 | 75-125 | 4 | 20 | | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| | | | |
|------------------|-----------|-----------------------|--|
| QC Batch: | 799426 | Analysis Method: | EPA 6020B |
| QC Batch Method: | EPA 3005A | Analysis Description: | 6020 MET |
| | | Laboratory: | Pace Analytical Services - Peachtree Corners, GA |

Associated Lab Samples: 92686679013, 92686679014, 92686679015, 92686679016, 92686679017, 92686679018

METHOD BLANK: 4140688 Matrix: Water
 Associated Lab Samples: 92686679013, 92686679014, 92686679015, 92686679016, 92686679017, 92686679018

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|------------|-------|--------------|-----------------|----------|----------------|------------|
| Antimony | mg/L | 0.0020J | 0.0030 | 0.0012 | 09/20/23 13:49 | |
| Arsenic | mg/L | ND | 0.0050 | 0.0037 | 09/20/23 13:49 | |
| Barium | mg/L | ND | 0.0050 | 0.00067 | 09/20/23 13:49 | |
| Beryllium | mg/L | ND | 0.00050 | 0.000054 | 09/20/23 13:49 | |
| Boron | mg/L | ND | 0.040 | 0.0086 | 09/20/23 13:49 | |
| Cadmium | mg/L | ND | 0.00050 | 0.00011 | 09/20/23 13:49 | |
| Chromium | mg/L | ND | 0.0050 | 0.0011 | 09/20/23 13:49 | |
| Cobalt | mg/L | ND | 0.0050 | 0.00039 | 09/20/23 13:49 | |
| Lead | mg/L | ND | 0.0010 | 0.00012 | 09/20/23 13:49 | |
| Lithium | mg/L | ND | 0.030 | 0.00073 | 09/20/23 13:49 | |
| Molybdenum | mg/L | ND | 0.010 | 0.00074 | 09/20/23 13:49 | |
| Selenium | mg/L | ND | 0.0050 | 0.0014 | 09/20/23 13:49 | |
| Thallium | mg/L | ND | 0.0010 | 0.00018 | 09/20/23 13:49 | |

LABORATORY CONTROL SAMPLE: 4140689

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------|-------|-------------|------------|-----------|--------------|------------|
| Antimony | mg/L | 0.1 | 0.11 | 106 | 80-120 | |
| Arsenic | mg/L | 0.1 | 0.10 | 101 | 80-120 | |
| Barium | mg/L | 0.1 | 0.094 | 94 | 80-120 | |
| Beryllium | mg/L | 0.1 | 0.10 | 101 | 80-120 | |
| Boron | mg/L | 1 | 1.0 | 100 | 80-120 | |
| Cadmium | mg/L | 0.1 | 0.10 | 101 | 80-120 | |
| Chromium | mg/L | 0.1 | 0.10 | 101 | 80-120 | |
| Cobalt | mg/L | 0.1 | 0.10 | 102 | 80-120 | |
| Lead | mg/L | 0.1 | 0.10 | 104 | 80-120 | |
| Lithium | mg/L | 0.1 | 0.10 | 102 | 80-120 | |
| Molybdenum | mg/L | 0.1 | 0.10 | 104 | 80-120 | |
| Selenium | mg/L | 0.1 | 0.10 | 101 | 80-120 | |
| Thallium | mg/L | 0.1 | 0.098 | 98 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4140690 4140691

| Parameter | Units | 92686947009 Result | MS | MSD | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|--------------------|-------------|-------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| | | | Spike Conc. | Spike Conc. | | | | | | | | |
| Antimony | mg/L | 0.0018J | 0.1 | 0.1 | 0.10 | 0.10 | 101 | 101 | 75-125 | 0 | 20 | |
| Arsenic | mg/L | 0.029 | 0.1 | 0.1 | 0.11 | 0.11 | 83 | 84 | 75-125 | 0 | 20 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4140690 | | | | | | | | | | | | 4140691 | |
|--|-------|-------------|-------|-------|-------|--------|--------|-------|-------|--------|-----|---------|------|
| Parameter | Units | 92686947009 | | MS | MSD | MS | MSD | MS | MSD | % Rec | Max | | |
| | | Result | Conc. | Spike | Spike | Result | Result | % Rec | % Rec | Limits | RPD | RPD | Qual |
| Barium | mg/L | 0.014 | 0.1 | 0.1 | 0.1 | 0.12 | 0.11 | 101 | 100 | 75-125 | 2 | 20 | |
| Beryllium | mg/L | 0.0067 | 0.1 | 0.1 | 0.1 | 0.074 | 0.073 | 67 | 67 | 75-125 | 0 | 20 M1 | |
| Boron | mg/L | 2.5 | 1 | 1 | 1 | 3.0 | 3.1 | 55 | 59 | 75-125 | 1 | 20 M1 | |
| Cadmium | mg/L | 0.0038 | 0.1 | 0.1 | 0.1 | 0.098 | 0.098 | 94 | 95 | 75-125 | 1 | 20 | |
| Chromium | mg/L | 0.0026J | 0.1 | 0.1 | 0.1 | 0.081 | 0.081 | 79 | 78 | 75-125 | 0 | 20 | |
| Cobalt | mg/L | 1.4 | 0.1 | 0.1 | 0.1 | 1.5 | 1.5 | 51 | 71 | 75-125 | 1 | 20 | |
| Lead | mg/L | ND | 0.1 | 0.1 | 0.1 | 0.096J | 0.093J | 94 | 91 | 75-125 | | 20 | |
| Lithium | mg/L | 0.011J | 0.1 | 0.1 | 0.1 | 0.088 | 0.088 | 77 | 77 | 75-125 | 1 | 20 | |
| Molybdenum | mg/L | ND | 0.1 | 0.1 | 0.1 | 0.11 | 0.11 | 105 | 107 | 75-125 | 1 | 20 | |
| Selenium | mg/L | 0.14 | 0.1 | 0.1 | 0.1 | 0.22 | 0.22 | 80 | 82 | 75-125 | 1 | 20 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| | | | |
|------------------|-----------|-----------------------|--|
| QC Batch: | 799667 | Analysis Method: | EPA 6020B |
| QC Batch Method: | EPA 3005A | Analysis Description: | 6020 MET |
| | | Laboratory: | Pace Analytical Services - Peachtree Corners, GA |

Associated Lab Samples: 92686679019, 92686679020, 92686679021, 92686679022, 92686679023

METHOD BLANK: 4141846 Matrix: Water

Associated Lab Samples: 92686679019, 92686679020, 92686679021, 92686679022, 92686679023

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|------------|-------|--------------|-----------------|----------|----------------|------------|
| Antimony | mg/L | ND | 0.0030 | 0.0012 | 09/25/23 16:20 | |
| Arsenic | mg/L | ND | 0.0050 | 0.0037 | 09/25/23 16:20 | |
| Barium | mg/L | ND | 0.0050 | 0.00067 | 09/25/23 16:20 | |
| Beryllium | mg/L | ND | 0.00050 | 0.000054 | 09/25/23 16:20 | |
| Boron | mg/L | ND | 0.040 | 0.0086 | 09/25/23 16:20 | |
| Cadmium | mg/L | ND | 0.00050 | 0.00011 | 09/25/23 16:20 | |
| Chromium | mg/L | ND | 0.0050 | 0.0011 | 09/25/23 16:20 | |
| Cobalt | mg/L | ND | 0.0050 | 0.00039 | 09/25/23 16:20 | |
| Lead | mg/L | ND | 0.0010 | 0.00012 | 09/25/23 16:20 | |
| Lithium | mg/L | ND | 0.030 | 0.00073 | 09/25/23 16:20 | |
| Molybdenum | mg/L | ND | 0.010 | 0.00074 | 09/25/23 16:20 | |
| Selenium | mg/L | ND | 0.0050 | 0.0014 | 09/25/23 16:20 | |
| Thallium | mg/L | ND | 0.0010 | 0.00018 | 09/25/23 16:20 | |

LABORATORY CONTROL SAMPLE: 4141847

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------|-------|-------------|------------|-----------|--------------|------------|
| Antimony | mg/L | 0.1 | 0.11 | 109 | 80-120 | |
| Arsenic | mg/L | 0.1 | 0.10 | 101 | 80-120 | |
| Barium | mg/L | 0.1 | 0.094 | 94 | 80-120 | |
| Beryllium | mg/L | 0.1 | 0.11 | 105 | 80-120 | |
| Boron | mg/L | 1 | 0.97 | 97 | 80-120 | |
| Cadmium | mg/L | 0.1 | 0.10 | 101 | 80-120 | |
| Chromium | mg/L | 0.1 | 0.098 | 98 | 80-120 | |
| Cobalt | mg/L | 0.1 | 0.10 | 100 | 80-120 | |
| Lead | mg/L | 0.1 | 0.11 | 106 | 80-120 | |
| Lithium | mg/L | 0.1 | 0.099 | 99 | 80-120 | |
| Molybdenum | mg/L | 0.1 | 0.11 | 106 | 80-120 | |
| Selenium | mg/L | 0.1 | 0.10 | 100 | 80-120 | |
| Thallium | mg/L | 0.1 | 0.095 | 95 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4141848 4141849

| Parameter | Units | 92686679019 Result | MS | | MSD | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|--------------------|-------------|-----------|-------------|------------|----------|-----------|--------------|-----|---------|------|
| | | | Spike Conc. | MS Result | Spike Conc. | MSD Result | | | | | | |
| Antimony | mg/L | ND | 0.1 | 0.1 | 0.11 | 0.11 | 109 | 107 | 75-125 | 1 | 20 | |
| Arsenic | mg/L | ND | 0.1 | 0.1 | 0.10 | 0.098 | 99 | 96 | 75-125 | 3 | 20 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4141848 4141849 | | | | | | | | | | | |
|--|-------|-------------|-------|-------------|-------------|--------|--------|-------|-------|--------|---------|
| Parameter | Units | 92686679019 | | MS | | MSD | | MS | | MSD | |
| | | Result | Conc. | Spike Conc. | Spike Conc. | Result | Result | % Rec | % Rec | % Rec | Max RPD |
| Barium | mg/L | 0.12 | 0.1 | 0.1 | 0.1 | 0.22 | 0.21 | 101 | 92 | 75-125 | 4 20 |
| Beryllium | mg/L | ND | 0.1 | 0.1 | 0.1 | 0.086 | 0.085 | 86 | 85 | 75-125 | 0 20 |
| Boron | mg/L | 0.26 | 1 | 1 | 1 | 1.1 | 1.1 | 84 | 82 | 75-125 | 1 20 |
| Cadmium | mg/L | ND | 0.1 | 0.1 | 0.1 | 0.098 | 0.098 | 98 | 98 | 75-125 | 0 20 |
| Chromium | mg/L | ND | 0.1 | 0.1 | 0.1 | 0.096 | 0.096 | 96 | 96 | 75-125 | 0 20 |
| Cobalt | mg/L | ND | 0.1 | 0.1 | 0.1 | 0.096 | 0.096 | 96 | 96 | 75-125 | 0 20 |
| Lead | mg/L | ND | 0.1 | 0.1 | 0.1 | 0.10 | 0.10 | 103 | 101 | 75-125 | 2 20 |
| Lithium | mg/L | ND | 0.1 | 0.1 | 0.1 | 0.089 | 0.090 | 89 | 89 | 75-125 | 0 20 |
| Molybdenum | mg/L | ND | 0.1 | 0.1 | 0.1 | 0.11 | 0.11 | 107 | 106 | 75-125 | 1 20 |
| Selenium | mg/L | ND | 0.1 | 0.1 | 0.1 | 0.098 | 0.097 | 98 | 97 | 75-125 | 2 20 |
| Thallium | mg/L | ND | 0.1 | 0.1 | 0.1 | 0.11 | 0.10 | 106 | 104 | 75-125 | 1 20 |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| | | | |
|------------------|-----------|-----------------------|--|
| QC Batch: | 800427 | Analysis Method: | EPA 6020B |
| QC Batch Method: | EPA 3005A | Analysis Description: | 6020 MET |
| | | Laboratory: | Pace Analytical Services - Peachtree Corners, GA |

Associated Lab Samples: 92686679024, 92686679025, 92686679026, 92686679027

METHOD BLANK: 4145841 Matrix: Water

Associated Lab Samples: 92686679024, 92686679025, 92686679026, 92686679027

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|------------|-------|--------------|-----------------|----------|----------------|------------|
| Antimony | mg/L | ND | 0.0030 | 0.0012 | 09/26/23 17:54 | |
| Arsenic | mg/L | ND | 0.0050 | 0.0037 | 09/26/23 17:54 | |
| Barium | mg/L | ND | 0.0050 | 0.00067 | 09/26/23 17:54 | |
| Beryllium | mg/L | ND | 0.00050 | 0.000054 | 09/26/23 17:54 | |
| Boron | mg/L | ND | 0.040 | 0.0086 | 09/26/23 17:54 | |
| Cadmium | mg/L | ND | 0.00050 | 0.00011 | 09/26/23 17:54 | |
| Chromium | mg/L | ND | 0.0050 | 0.0011 | 09/26/23 17:54 | |
| Cobalt | mg/L | ND | 0.0050 | 0.00039 | 09/26/23 17:54 | |
| Lead | mg/L | ND | 0.0010 | 0.00012 | 09/26/23 17:54 | |
| Lithium | mg/L | ND | 0.030 | 0.00073 | 09/26/23 17:54 | |
| Molybdenum | mg/L | ND | 0.010 | 0.00074 | 09/26/23 17:54 | |
| Selenium | mg/L | ND | 0.0050 | 0.0014 | 09/26/23 17:54 | |
| Thallium | mg/L | ND | 0.0010 | 0.00018 | 09/26/23 17:54 | |

LABORATORY CONTROL SAMPLE: 4145842

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------|-------|-------------|------------|-----------|--------------|------------|
| Antimony | mg/L | 0.1 | 0.12 | 116 | 80-120 | |
| Arsenic | mg/L | 0.1 | 0.11 | 105 | 80-120 | |
| Barium | mg/L | 0.1 | 0.11 | 109 | 80-120 | |
| Beryllium | mg/L | 0.1 | 0.11 | 106 | 80-120 | |
| Boron | mg/L | 1 | 1.1 | 112 | 80-120 | |
| Cadmium | mg/L | 0.1 | 0.11 | 108 | 80-120 | |
| Chromium | mg/L | 0.1 | 0.11 | 108 | 80-120 | |
| Cobalt | mg/L | 0.1 | 0.11 | 107 | 80-120 | |
| Lead | mg/L | 0.1 | 0.11 | 108 | 80-120 | |
| Lithium | mg/L | 0.1 | 0.11 | 109 | 80-120 | |
| Molybdenum | mg/L | 0.1 | 0.11 | 109 | 80-120 | |
| Selenium | mg/L | 0.1 | 0.11 | 105 | 80-120 | |
| Thallium | mg/L | 0.1 | 0.11 | 106 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4145843 4145844

| Parameter | Units | MS | | MSD | | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|-------------|--------|-------------|-------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| | | 92686679024 | Result | Spike Conc. | Spike Conc. | | | | | | | | |
| Antimony | mg/L | ND | 0.1 | 0.1 | 0.1 | 0.12 | 0.12 | 122 | 118 | 75-125 | 4 | 20 | |
| Arsenic | mg/L | ND | 0.1 | 0.1 | 0.1 | 0.11 | 0.11 | 112 | 110 | 75-125 | 1 | 20 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4145843 4145844 | | | | | | | | | | | | |
|--|-------|-------------|-------|-------------|-------|--------|--------|-------|--------|--------|-----|------|
| Parameter | Units | 92686679024 | | MS | | MSD | | MS | | MSD | | Qual |
| | | Result | Conc. | Spike Conc. | Conc. | Result | Result | % Rec | % Rec | Limits | RPD | |
| Barium | mg/L | 0.020 | 0.1 | 0.1 | 0.14 | 0.13 | 118 | 112 | 75-125 | 4 | 20 | |
| Beryllium | mg/L | 0.0016 | 0.1 | 0.1 | 0.10 | 0.097 | 98 | 95 | 75-125 | 3 | 20 | |
| Boron | mg/L | 0.26 | 1 | 1 | 1.3 | 1.3 | 103 | 101 | 75-125 | 2 | 20 | |
| Cadmium | mg/L | ND | 0.1 | 0.1 | 0.11 | 0.11 | 108 | 109 | 75-125 | 1 | 20 | |
| Chromium | mg/L | ND | 0.1 | 0.1 | 0.10 | 0.10 | 101 | 102 | 75-125 | 1 | 20 | |
| Cobalt | mg/L | 0.18 | 0.1 | 0.1 | 0.28 | 0.27 | 107 | 94 | 75-125 | 4 | 20 | |
| Lead | mg/L | ND | 0.1 | 0.1 | 0.10 | 0.10 | 101 | 101 | 75-125 | 0 | 20 | |
| Lithium | mg/L | 0.040 | 0.1 | 0.1 | 0.14 | 0.14 | 104 | 99 | 75-125 | 3 | 20 | |
| Molybdenum | mg/L | 0.00092J | 0.1 | 0.1 | 0.11 | 0.11 | 107 | 106 | 75-125 | 1 | 20 | |
| Selenium | mg/L | 0.0016J | 0.1 | 0.1 | 0.11 | 0.11 | 113 | 112 | 75-125 | 1 | 20 | |
| Thallium | mg/L | 0.00028J | 0.1 | 0.1 | 0.10 | 0.10 | 100 | 101 | 75-125 | 1 | 20 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| | | | |
|------------------|-----------|-----------------------|--|
| QC Batch: | 801878 | Analysis Method: | EPA 7470A |
| QC Batch Method: | EPA 7470A | Analysis Description: | 7470 Mercury |
| | | Laboratory: | Pace Analytical Services - Peachtree Corners, GA |

Associated Lab Samples: 92686679024, 92686679025, 92686679026, 92686679027

METHOD BLANK: 4153671 Matrix: Water
 Associated Lab Samples: 92686679024, 92686679025, 92686679026, 92686679027

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|---------|----------------|------------|
| Mercury | mg/L | ND | 0.00020 | 0.00013 | 09/26/23 12:36 | |

LABORATORY CONTROL SAMPLE: 4153672

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Mercury | mg/L | 0.0025 | 0.0026 | 103 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4153673 4153674

| Parameter | Units | 4153673 | | 4153674 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| | | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | | | | | | |
| Mercury | mg/L | ND | 0.0025 | 0.0026 | 0.0026 | 105 | 105 | 75-125 | 0 | 20 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

QC Batch: 803461 Analysis Method: EPA 7470A
 QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92686679007, 92686679008, 92686679009, 92686679010, 92686679011, 92686679012, 92686679013, 92686679014, 92686679015, 92686679016, 92686679017, 92686679018, 92686679019, 92686679020, 92686679021, 92686679022, 92686679023

METHOD BLANK: 4161104 Matrix: Water
 Associated Lab Samples: 92686679007, 92686679008, 92686679009, 92686679010, 92686679011, 92686679012, 92686679013, 92686679014, 92686679015, 92686679016, 92686679017, 92686679018, 92686679019, 92686679020, 92686679021, 92686679022, 92686679023

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|---------|----------------|------------|
| Mercury | mg/L | ND | 0.00020 | 0.00013 | 10/02/23 16:27 | |

LABORATORY CONTROL SAMPLE: 4161105

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Mercury | mg/L | 0.0025 | 0.0026 | 103 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4161106 4161107

| Parameter | Units | 92686676003 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| Mercury | mg/L | ND | 0.0025 | 0.0025 | 0.0027 | 0.0026 | 104 | 101 | 75-125 | 3 | 20 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| | | | |
|------------------|---------------|-----------------------|--|
| QC Batch: | 798883 | Analysis Method: | SM 2540C-2015 |
| QC Batch Method: | SM 2540C-2015 | Analysis Description: | 2540C Total Dissolved Solids |
| | | Laboratory: | Pace Analytical Services - Peachtree Corners, GA |

Associated Lab Samples: 92686679001, 92686679002, 92686679003, 92686679004, 92686679005, 92686679006

METHOD BLANK: 4137624 Matrix: Water

Associated Lab Samples: 92686679001, 92686679002, 92686679003, 92686679004, 92686679005, 92686679006

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|------------------------|-------|--------------|-----------------|------|----------------|------------|
| Total Dissolved Solids | mg/L | ND | 25.0 | 25.0 | 09/11/23 13:25 | |

LABORATORY CONTROL SAMPLE: 4137625

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------------------|-------|-------------|------------|-----------|--------------|------------|
| Total Dissolved Solids | mg/L | 400 | 427 | 107 | 80-120 | |

SAMPLE DUPLICATE: 4137626

| Parameter | Units | 92686830001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------------|-------|--------------------|------------|-----|---------|------------|
| Total Dissolved Solids | mg/L | 1540 | 1500 | 3 | 10 | |

SAMPLE DUPLICATE: 4137627

| Parameter | Units | 92686679004 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------------|-------|--------------------|------------|-----|---------|------------|
| Total Dissolved Solids | mg/L | 207 | 174 | 17 | 10 | D6 |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| | | | |
|------------------|---------------|-----------------------|--|
| QC Batch: | 799142 | Analysis Method: | SM 2540C-2015 |
| QC Batch Method: | SM 2540C-2015 | Analysis Description: | 2540C Total Dissolved Solids |
| | | Laboratory: | Pace Analytical Services - Peachtree Corners, GA |

Associated Lab Samples: 92686679007, 92686679008, 92686679009, 92686679010, 92686679011, 92686679012

METHOD BLANK: 4138899 Matrix: Water

Associated Lab Samples: 92686679007, 92686679008, 92686679009, 92686679010, 92686679011, 92686679012

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|------------------------|-------|--------------|-----------------|------|----------------|------------|
| Total Dissolved Solids | mg/L | ND | 25.0 | 25.0 | 09/12/23 11:42 | |

LABORATORY CONTROL SAMPLE: 4138900

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------------------|-------|-------------|------------|-----------|--------------|------------|
| Total Dissolved Solids | mg/L | 400 | 394 | 98 | 80-120 | |

SAMPLE DUPLICATE: 4138901

| Parameter | Units | 92686677006 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------------|-------|--------------------|------------|-----|---------|------------|
| Total Dissolved Solids | mg/L | 253 | 259 | 2 | 10 | |

SAMPLE DUPLICATE: 4138902

| Parameter | Units | 92687108002 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------------|-------|--------------------|------------|-----|---------|------------|
| Total Dissolved Solids | mg/L | 100 | 101 | 1 | 10 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

QC Batch: 799378

Analysis Method: SM 2540C-2015

QC Batch Method: SM 2540C-2015

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92686679013

METHOD BLANK: 4140337

Matrix: Water

Associated Lab Samples: 92686679013

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|------------------------|-------|--------------|-----------------|------|----------------|------------|
| Total Dissolved Solids | mg/L | ND | 25.0 | 25.0 | 09/13/23 11:44 | |

LABORATORY CONTROL SAMPLE: 4140338

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------------------|-------|-------------|------------|-----------|--------------|------------|
| Total Dissolved Solids | mg/L | 400 | 382 | 96 | 80-120 | |

SAMPLE DUPLICATE: 4140339

| Parameter | Units | 92686947002 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------------|-------|--------------------|------------|-----|---------|------------|
| Total Dissolved Solids | mg/L | 451 | 472 | 5 | 10 | |

SAMPLE DUPLICATE: 4140340

| Parameter | Units | 92686947009 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------------|-------|--------------------|------------|-----|---------|------------|
| Total Dissolved Solids | mg/L | 960 | 846 | 13 | 10 D6 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

QC Batch: 799704 Analysis Method: SM 2540C-2015
 QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92686679014, 92686679015, 92686679016, 92686679017, 92686679018

METHOD BLANK: 4142053 Matrix: Water
 Associated Lab Samples: 92686679014, 92686679015, 92686679016, 92686679017, 92686679018

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|------------------------|-------|--------------|-----------------|------|----------------|------------|
| Total Dissolved Solids | mg/L | ND | 25.0 | 25.0 | 09/14/23 13:33 | |

LABORATORY CONTROL SAMPLE: 4142054

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------------------|-------|-------------|------------|-----------|--------------|------------|
| Total Dissolved Solids | mg/L | 400 | 426 | 106 | 80-120 | |

SAMPLE DUPLICATE: 4142055

| Parameter | Units | 92686679014 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------------|-------|--------------------|------------|-----|---------|------------|
| Total Dissolved Solids | mg/L | 612 | 610 | 0 | 10 | |

SAMPLE DUPLICATE: 4142056

| Parameter | Units | 92687798003 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------------|-------|--------------------|------------|-----|---------|------------|
| Total Dissolved Solids | mg/L | 45.0 | 61.0 | 30 | 10 | D6 |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

QC Batch: 800282 Analysis Method: SM 2540C-2015
 QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92686679019, 92686679020, 92686679021, 92686679022, 92686679023

METHOD BLANK: 4144980 Matrix: Water
 Associated Lab Samples: 92686679019, 92686679020, 92686679021, 92686679022, 92686679023

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|------------------------|-------|--------------|-----------------|------|----------------|------------|
| Total Dissolved Solids | mg/L | ND | 25.0 | 25.0 | 09/18/23 12:43 | |

LABORATORY CONTROL SAMPLE: 4144981

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------------------|-------|-------------|------------|-----------|--------------|------------|
| Total Dissolved Solids | mg/L | 400 | 370 | 92 | 80-120 | |

SAMPLE DUPLICATE: 4144982

| Parameter | Units | 92687223010 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------------|-------|--------------------|------------|-----|---------|------------|
| Total Dissolved Solids | mg/L | ND | ND | | 10 | |

SAMPLE DUPLICATE: 4144983

| Parameter | Units | 92686679022 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------------|-------|--------------------|------------|-----|---------|------------|
| Total Dissolved Solids | mg/L | 560 | 567 | 1 | 10 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| | | | |
|------------------|---------------|-----------------------|--|
| QC Batch: | 800804 | Analysis Method: | SM 2540C-2015 |
| QC Batch Method: | SM 2540C-2015 | Analysis Description: | 2540C Total Dissolved Solids |
| | | Laboratory: | Pace Analytical Services - Peachtree Corners, GA |

Associated Lab Samples: 92686679024, 92686679025, 92686679026

METHOD BLANK: 4147886 Matrix: Water

Associated Lab Samples: 92686679024, 92686679025, 92686679026

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|------------------------|-------|--------------|-----------------|------|----------------|------------|
| Total Dissolved Solids | mg/L | ND | 25.0 | 25.0 | 09/20/23 20:07 | |

LABORATORY CONTROL SAMPLE: 4147887

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------------------|-------|-------------|------------|-----------|--------------|------------|
| Total Dissolved Solids | mg/L | 400 | 455 | 114 | 80-120 | |

SAMPLE DUPLICATE: 4147888

| Parameter | Units | 92688018001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------------|-------|--------------------|------------|-----|---------|------------|
| Total Dissolved Solids | mg/L | 290000 ug/L | 288 | 1 | 10 | |

SAMPLE DUPLICATE: 4147889

| Parameter | Units | 92688018017 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------------|-------|--------------------|------------|-----|---------|------------|
| Total Dissolved Solids | mg/L | 490000 ug/L | 466 | 5 | 10 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| | | | |
|-------------------------|---------------|-----------------------|--|
| QC Batch: | 800811 | Analysis Method: | SM 2540C-2015 |
| QC Batch Method: | SM 2540C-2015 | Analysis Description: | 2540C Total Dissolved Solids |
| Associated Lab Samples: | 92686679027 | Laboratory: | Pace Analytical Services - Peachtree Corners, GA |

METHOD BLANK: 4147923 Matrix: Water
 Associated Lab Samples: 92686679027

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|------------------------|-------|--------------|-----------------|------|----------------|------------|
| Total Dissolved Solids | mg/L | ND | 25.0 | 25.0 | 09/20/23 15:15 | |

LABORATORY CONTROL SAMPLE: 4147924

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------------------|-------|-------------|------------|-----------|--------------|------------|
| Total Dissolved Solids | mg/L | 400 | 376 | 94 | 80-120 | |

SAMPLE DUPLICATE: 4147925

| Parameter | Units | 92687866001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------------|-------|--------------------|------------|-----|---------|------------|
| Total Dissolved Solids | mg/L | 104 | 110 | 6 | 10 | |

SAMPLE DUPLICATE: 4147926

| Parameter | Units | 92686679027 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------------|-------|--------------------|------------|-----|---------|------------|
| Total Dissolved Solids | mg/L | 853 | 873 | 2 | 10 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| | | | |
|-------------------------|--|-----------------------|--------------------------------------|
| QC Batch: | 800476 | Analysis Method: | EPA 7470A |
| QC Batch Method: | EPA 7470A | Analysis Description: | 7470 Mercury |
| | | Laboratory: | Pace Analytical Services - Asheville |
| Associated Lab Samples: | 92686679001, 92686679002, 92686679003, 92686679004, 92686679005, 92686679006 | | |

METHOD BLANK: 4146097 Matrix: Water
 Associated Lab Samples: 92686679001, 92686679002, 92686679003, 92686679004, 92686679005, 92686679006

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|---------|----------------|------------|
| Mercury | mg/L | ND | 0.00020 | 0.00012 | 09/20/23 13:34 | |

LABORATORY CONTROL SAMPLE: 4146098

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Mercury | mg/L | 0.0025 | 0.0020 | 81 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4146099 4146100

| Parameter | Units | 92686676001 | | 4146100 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| | | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | | | | | | |
| Mercury | mg/L | ND | 0.0025 | 0.0025 | 0.0025 | 100 | 95 | 75-125 | 5 | 25 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

QC Batch: 798846 Analysis Method: SM 2320B-2011
 QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92686679001, 92686679002, 92686679003, 92686679004, 92686679005, 92686679006

METHOD BLANK: 4137453 Matrix: Water

Associated Lab Samples: 92686679001, 92686679002, 92686679003, 92686679004, 92686679005, 92686679006

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|--------------------------------|-------|--------------|-----------------|-----|----------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | ND | 5.0 | 5.0 | 09/11/23 15:34 | |
| Alkalinity,Bicarbonate (CaCO3) | mg/L | ND | 5.0 | 5.0 | 09/11/23 15:34 | |
| Alkalinity,Carbonate (CaCO3) | mg/L | ND | 5.0 | 5.0 | 09/11/23 15:34 | |

LABORATORY CONTROL SAMPLE: 4137454

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | 50 | 50.9 | 102 | 80-120 | |

LABORATORY CONTROL SAMPLE: 4137455

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | 50 | 50.6 | 101 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4137456 4137457

| Parameter | Units | 4137456 | | 4137457 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|----------------------------|-------|----------------|-----------------|-----------|------------|----------|-----------|--------------|--------|---------|------|
| | | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | | | | | | |
| Alkalinity, Total as CaCO3 | mg/L | 9.5 | 50 | 50 | 60.9 | 61.8 | 103 | 105 | 80-120 | 1 | 25 |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4137458 4137459

| Parameter | Units | 4137458 | | 4137459 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|----------------------------|-------|----------------|-----------------|-----------|------------|----------|-----------|--------------|--------|---------|------|
| | | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | | | | | | |
| Alkalinity, Total as CaCO3 | mg/L | 15.3 | 50 | 50 | 67.7 | 68.0 | 105 | 105 | 80-120 | 0 | 25 |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

QC Batch: 799173

Analysis Method: SM 2320B-2011

QC Batch Method: SM 2320B-2011

Analysis Description: 2320B Alkalinity

Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92686679007, 92686679008, 92686679011, 92686679012

METHOD BLANK: 4139096

Matrix: Water

Associated Lab Samples: 92686679007, 92686679008, 92686679011, 92686679012

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|--------------------------------|-------|--------------|-----------------|-----|----------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | ND | 5.0 | 5.0 | 09/12/23 15:04 | |
| Alkalinity,Bicarbonate (CaCO3) | mg/L | ND | 5.0 | 5.0 | 09/12/23 15:04 | |
| Alkalinity,Carbonate (CaCO3) | mg/L | ND | 5.0 | 5.0 | 09/12/23 15:04 | |

LABORATORY CONTROL SAMPLE: 4139097

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | 50 | 51.0 | 102 | 80-120 | |

LABORATORY CONTROL SAMPLE: 4139098

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | 50 | 50.9 | 102 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4139099 4139100

| Parameter | Units | 92686679012 | | 4139100 | | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|----------------------------|-------|----------------|-----------------|-----------|------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| | | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | | | | | | | | |
| Alkalinity, Total as CaCO3 | mg/L | ND | 50 | 50 | 51.2 | 51.0 | 102 | 102 | 80-120 | 0 | 25 | | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4139101 4139102

| Parameter | Units | 92686677009 | | 4139102 | | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|----------------------------|-------|----------------|-----------------|-----------|------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| | | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | | | | | | | | |
| Alkalinity, Total as CaCO3 | mg/L | 96.9 | 50 | 50 | 148 | 148 | 103 | 102 | 80-120 | 0 | 25 | | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

QC Batch: 799657

Analysis Method: SM 2320B-2011

QC Batch Method: SM 2320B-2011

Analysis Description: 2320B Alkalinity

Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92686679009, 92686679010

METHOD BLANK: 4141803

Matrix: Water

Associated Lab Samples: 92686679009, 92686679010

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|--------------------------------|-------|--------------|-----------------|-----|----------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | ND | 5.0 | 5.0 | 09/14/23 11:08 | |
| Alkalinity,Bicarbonate (CaCO3) | mg/L | ND | 5.0 | 5.0 | 09/14/23 11:08 | |
| Alkalinity,Carbonate (CaCO3) | mg/L | ND | 5.0 | 5.0 | 09/14/23 11:08 | |

LABORATORY CONTROL SAMPLE: 4141804

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | 50 | 50.6 | 101 | 80-120 | |

LABORATORY CONTROL SAMPLE: 4141805

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | 50 | 48.9 | 98 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4141806 4141807

| Parameter | Units | 4141806 | | 4141807 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|----------------------------|-------|----------------|-----------------|-----------|------------|----------|-----------|--------------|--------|---------|------|
| | | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | | | | | | |
| Alkalinity, Total as CaCO3 | mg/L | 17.5 | 50 | 50 | 70.9 | 70.2 | 107 | 105 | 80-120 | 1 | 25 |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4141808 4141809

| Parameter | Units | 4141808 | | 4141809 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|----------------------------|-------|----------------|-----------------|-----------|------------|----------|-----------|--------------|--------|---------|------|
| | | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | | | | | | |
| Alkalinity, Total as CaCO3 | mg/L | ND | 50 | 50 | 55.2 | 55.3 | 104 | 104 | 80-120 | 0 | 25 |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

QC Batch: 799684 Analysis Method: SM 2320B-2011
 QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92686679013, 92686679014, 92686679015, 92686679016, 92686679017, 92686679018

METHOD BLANK: 4141941 Matrix: Water
 Associated Lab Samples: 92686679013, 92686679014, 92686679015, 92686679016, 92686679017, 92686679018

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|--------------------------------|-------|--------------|-----------------|-----|----------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | ND | 5.0 | 5.0 | 09/14/23 14:09 | |
| Alkalinity,Bicarbonate (CaCO3) | mg/L | ND | 5.0 | 5.0 | 09/14/23 14:09 | |
| Alkalinity,Carbonate (CaCO3) | mg/L | ND | 5.0 | 5.0 | 09/14/23 14:09 | |

LABORATORY CONTROL SAMPLE: 4141942

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | 50 | 51.9 | 104 | 80-120 | |

LABORATORY CONTROL SAMPLE: 4141943

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | 50 | 50.6 | 101 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4141944 4141945

| Parameter | Units | 92686679018 | | 4141945 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|----------------------------|-------|-------------|----------------|-----------------|-----------|----------|-----------|--------------|--------|---------|------|
| | | Result | MS Spike Conc. | MSD Spike Conc. | MS Result | | | | | | |
| Alkalinity, Total as CaCO3 | mg/L | ND | 50 | 50 | 51.4 | 51.4 | 102 | 102 | 80-120 | 0 | 25 |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4141946 4141947

| Parameter | Units | 92687508001 | | 4141947 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|----------------------------|-------|-------------|----------------|-----------------|-----------|----------|-----------|--------------|--------|---------|-------|
| | | Result | MS Spike Conc. | MSD Spike Conc. | MS Result | | | | | | |
| Alkalinity, Total as CaCO3 | mg/L | 153 | 50 | 50 | 207 | 216 | 107 | 125 | 80-120 | 4 | 25 M1 |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

QC Batch: 799970 Analysis Method: SM 2320B-2011
 QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92686679019, 92686679020, 92686679021, 92686679022

METHOD BLANK: 4143554 Matrix: Water
 Associated Lab Samples: 92686679019, 92686679020, 92686679021, 92686679022

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|--------------------------------|-------|--------------|-----------------|-----|----------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | ND | 5.0 | 5.0 | 09/15/23 15:54 | |
| Alkalinity,Bicarbonate (CaCO3) | mg/L | ND | 5.0 | 5.0 | 09/15/23 15:54 | |
| Alkalinity,Carbonate (CaCO3) | mg/L | ND | 5.0 | 5.0 | 09/15/23 15:54 | |

LABORATORY CONTROL SAMPLE: 4143555

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | 50 | 51.6 | 103 | 80-120 | |

LABORATORY CONTROL SAMPLE: 4143556

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | 50 | 50.2 | 100 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4143557 4143558

| Parameter | Units | 4143557 | | 4143558 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual | |
|----------------------------|-------|----------------|-----------------|-----------|------------|----------|-----------|--------------|--------|---------|------|--|
| | | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | | | | | | | |
| Alkalinity, Total as CaCO3 | mg/L | 13.1 | 50 | 50 | 66.9 | 67.5 | 107 | 109 | 80-120 | 1 | 25 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4143559 4143560

| Parameter | Units | 4143559 | | 4143560 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual | |
|----------------------------|-------|----------------|-----------------|-----------|------------|----------|-----------|--------------|--------|---------|------|--|
| | | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | | | | | | | |
| Alkalinity, Total as CaCO3 | mg/L | 28.4 | 50 | 50 | 80.2 | 81.5 | 104 | 106 | 80-120 | 2 | 25 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

QC Batch: 800267

Analysis Method: SM 2320B-2011

QC Batch Method: SM 2320B-2011

Analysis Description: 2320B Alkalinity

Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92686679023

METHOD BLANK: 4144892

Matrix: Water

Associated Lab Samples: 92686679023

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|--------------------------------|-------|--------------|-----------------|-----|----------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | ND | 5.0 | 5.0 | 09/18/23 13:51 | |
| Alkalinity,Bicarbonate (CaCO3) | mg/L | ND | 5.0 | 5.0 | 09/18/23 13:51 | |
| Alkalinity,Carbonate (CaCO3) | mg/L | ND | 5.0 | 5.0 | 09/18/23 13:51 | |

LABORATORY CONTROL SAMPLE: 4144893

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | 50 | 51.1 | 102 | 80-120 | |

LABORATORY CONTROL SAMPLE: 4144894

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | 50 | 52.9 | 106 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4144895 4144896

| Parameter | Units | MS | | MSD | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual | |
|----------------------------|-------|---------------------|-------------|-------------|--------|----------|-----------|--------------|--------|---------|------|--|
| | | Result | Spike Conc. | Spike Conc. | Result | | | | | | | |
| Alkalinity, Total as CaCO3 | mg/L | 92687758002 38.2 | 50 | 50 | 87.5 | 87.8 | 99 | 99 | 80-120 | 0 | 25 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4144897 4144898

| Parameter | Units | MS | | MSD | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual | |
|----------------------------|-------|---------------------|-------------|-------------|--------|----------|-----------|--------------|--------|---------|------|--|
| | | Result | Spike Conc. | Spike Conc. | Result | | | | | | | |
| Alkalinity, Total as CaCO3 | mg/L | 92687758004 92.6 | 50 | 50 | 143 | 144 | 102 | 103 | 80-120 | 0 | 25 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| | | | |
|------------------|---------------|-----------------------|--------------------------------------|
| QC Batch: | 800448 | Analysis Method: | SM 2320B-2011 |
| QC Batch Method: | SM 2320B-2011 | Analysis Description: | 2320B Alkalinity |
| | | Laboratory: | Pace Analytical Services - Asheville |

Associated Lab Samples: 92686679024, 92686679025, 92686679026

METHOD BLANK: 4145920 Matrix: Water

Associated Lab Samples: 92686679024, 92686679025, 92686679026

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|--------------------------------|-------|--------------|-----------------|-----|----------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | ND | 5.0 | 5.0 | 09/19/23 14:10 | |
| Alkalinity,Bicarbonate (CaCO3) | mg/L | ND | 5.0 | 5.0 | 09/19/23 14:10 | |
| Alkalinity,Carbonate (CaCO3) | mg/L | ND | 5.0 | 5.0 | 09/19/23 14:10 | |

LABORATORY CONTROL SAMPLE: 4145921

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | 50 | 52.6 | 105 | 80-120 | |

LABORATORY CONTROL SAMPLE: 4145922

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | 50 | 50.6 | 101 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4145923 4145924

| Parameter | Units | 92686947024 | | 4145924 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|----------------------------|-------|----------------|-----------------|-----------|------------|----------|-----------|--------------|--------|---------|------|
| | | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | | | | | | |
| Alkalinity, Total as CaCO3 | mg/L | 6.7 | 50 | 50 | 60.8 | 61.0 | 108 | 109 | 80-120 | 0 | 25 |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4145925 4145926

| Parameter | Units | 92686947025 | | 4145926 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|----------------------------|-------|----------------|-----------------|-----------|------------|----------|-----------|--------------|--------|---------|------|
| | | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | | | | | | |
| Alkalinity, Total as CaCO3 | mg/L | ND | 50 | 50 | 42.0 | 41.6 | 84 | 83 | 80-120 | 1 | 25 |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

QC Batch: 800851

Analysis Method: SM 2320B-2011

QC Batch Method: SM 2320B-2011

Analysis Description: 2320B Alkalinity

Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92686679027

METHOD BLANK: 4148204

Matrix: Water

Associated Lab Samples: 92686679027

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|--------------------------------|-------|--------------|-----------------|-----|----------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | ND | 5.0 | 5.0 | 09/21/23 11:51 | |
| Alkalinity,Bicarbonate (CaCO3) | mg/L | ND | 5.0 | 5.0 | 09/21/23 11:51 | |
| Alkalinity,Carbonate (CaCO3) | mg/L | ND | 5.0 | 5.0 | 09/21/23 11:51 | |

LABORATORY CONTROL SAMPLE: 4148205

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | 50 | 52.4 | 105 | 80-120 | |

LABORATORY CONTROL SAMPLE: 4149487

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | 50 | 50.2 | 100 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4148206 4148207

| Parameter | Units | 92688066005 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|----------------------------|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| Alkalinity, Total as CaCO3 | mg/L | 85.1 | 50 | 50 | 135 | 134 | 100 | 98 | 80-120 | 1 | 25 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4148208 4148209

| Parameter | Units | 92688280008 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|----------------------------|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| Alkalinity, Total as CaCO3 | mg/L | 81.0 | 50 | 50 | 137 | 135 | 113 | 108 | 80-120 | 2 | 25 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| | | | |
|------------------|------------------|-----------------------|--------------------------------------|
| QC Batch: | 798662 | Analysis Method: | SM 4500-S2D-2011 |
| QC Batch Method: | SM 4500-S2D-2011 | Analysis Description: | 4500S2D Sulfide Water |
| | | Laboratory: | Pace Analytical Services - Asheville |

Associated Lab Samples: 92686679001, 92686679002, 92686679003, 92686679004, 92686679005, 92686679006

METHOD BLANK: 4136899 Matrix: Water
 Associated Lab Samples: 92686679001, 92686679002, 92686679003, 92686679004, 92686679005, 92686679006

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|-------|----------------|------------|
| Sulfide | mg/L | ND | 0.10 | 0.022 | 09/09/23 04:31 | |

LABORATORY CONTROL SAMPLE: 4136900

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Sulfide | mg/L | 0.5 | 0.52 | 104 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4136901 4136902

| Parameter | Units | 92686676001 | | 4136902 | | % Rec | % Rec | % Rec | % Rec | Limits | RPD | Max RPD | Qual |
|-----------|-------|-------------|-----------------|-----------|-----------------|-------|-------|-------|--------|--------|-----|---------|------|
| | | MS Result | MSD Spike Conc. | MS Result | MSD Spike Conc. | | | | | | | | |
| Sulfide | mg/L | ND | 0.5 | 0.5 | 0.54 | 0.56 | 106 | 111 | 80-120 | 5 | 10 | | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4136903 4136904

| Parameter | Units | 92686861001 | | 4136904 | | % Rec | % Rec | % Rec | % Rec | Limits | RPD | Max RPD | Qual |
|-----------|-------|-------------|-----------------|-----------|-----------------|-------|-------|-------|--------|--------|-----|---------|------|
| | | MS Result | MSD Spike Conc. | MS Result | MSD Spike Conc. | | | | | | | | |
| Sulfide | mg/L | ND | 0.5 | 0.5 | 0.38 | 0.37 | 76 | 75 | 80-120 | 2 | 10 | M1 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

QC Batch: 799296 Analysis Method: SM 4500-S2D-2011
 QC Batch Method: SM 4500-S2D-2011 Analysis Description: 4500S2D Sulfide Water
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92686679007, 92686679008, 92686679011, 92686679012

METHOD BLANK: 4140098 Matrix: Water
 Associated Lab Samples: 92686679007, 92686679008, 92686679011, 92686679012

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|-------|----------------|------------|
| Sulfide | mg/L | ND | 0.10 | 0.022 | 09/13/23 02:23 | |

LABORATORY CONTROL SAMPLE: 4140099

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Sulfide | mg/L | 0.5 | 0.52 | 104 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4140102 4140103

| Parameter | Units | 92686679007 | | 4140103 | | % Rec | % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|-------------|-----------------|-----------|-----------------|-------|-------|--------------|-----|---------|------|
| | | MS Result | MSD Spike Conc. | MS Result | MSD Spike Conc. | | | | | | |
| Sulfide | mg/L | ND | 0.5 | 0.44 | 0.43 | 87 | 85 | 80-120 | 1 | 10 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4140133 4140134

| Parameter | Units | 92686941002 | | 4140134 | | % Rec | % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|-------------|-----------------|-----------|-----------------|-------|-------|--------------|-----|---------|------|
| | | MS Result | MSD Spike Conc. | MS Result | MSD Spike Conc. | | | | | | |
| Sulfide | mg/L | ND | 0.5 | 0.52 | 0.49 | 104 | 97 | 80-120 | 7 | 10 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| | |
|-----------------------------------|--|
| QC Batch: 799297 | Analysis Method: SM 4500-S2D-2011 |
| QC Batch Method: SM 4500-S2D-2011 | Analysis Description: 4500S2D Sulfide Water |
| | Laboratory: Pace Analytical Services - Asheville |

Associated Lab Samples: 92686679009, 92686679010

METHOD BLANK: 4140104 Matrix: Water

Associated Lab Samples: 92686679009, 92686679010

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|-------|----------------|------------|
| Sulfide | mg/L | ND | 0.10 | 0.022 | 09/13/23 02:36 | |

LABORATORY CONTROL SAMPLE: 4140105

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Sulfide | mg/L | 0.5 | 0.52 | 105 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4140106 4140107

| Parameter | Units | 4140106 | | 4140107 | | % Rec | % Rec | % Rec | % Rec | Limits | RPD | Max RPD | Qual |
|-----------|-------|----------------|-----------------|-----------|------------|-------|-------|-------|-------|--------|-----|---------|------|
| | | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | | | | | | | | |
| Sulfide | mg/L | 92686677011 ND | 0.5 | 0.5 | 0.50 | 0.53 | 100 | 107 | 107 | 80-120 | 6 | 10 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4140108 4140109

| Parameter | Units | 4140108 | | 4140109 | | % Rec | % Rec | % Rec | % Rec | Limits | RPD | Max RPD | Qual |
|-----------|-------|----------------|-----------------|-----------|------------|-------|-------|-------|-------|--------|-----|---------|------|
| | | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | | | | | | | | |
| Sulfide | mg/L | 92686947008 ND | 0.5 | 0.5 | 0.52 | 0.51 | 104 | 102 | 102 | 80-120 | 2 | 10 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

QC Batch: 799849 Analysis Method: SM 4500-S2D-2011
 QC Batch Method: SM 4500-S2D-2011 Analysis Description: 4500S2D Sulfide Water
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92686679013, 92686679014, 92686679015, 92686679016, 92686679017, 92686679018

METHOD BLANK: 4143142 Matrix: Water
 Associated Lab Samples: 92686679013, 92686679014, 92686679015, 92686679016, 92686679017, 92686679018

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|-------|----------------|------------|
| Sulfide | mg/L | ND | 0.10 | 0.022 | 09/15/23 04:50 | |

LABORATORY CONTROL SAMPLE: 4143143

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Sulfide | mg/L | 0.5 | 0.54 | 107 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4143146 4143147

| Parameter | Units | 92686679015 | | 4143147 | | % Rec | % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|-------------|-----------------|-----------|-----------------|-------|-------|--------------|-----|---------|------|
| | | MS Result | MSD Spike Conc. | MS Result | MSD Spike Conc. | | | | | | |
| Sulfide | mg/L | ND | 0.5 | 0.54 | 0.54 | 105 | 107 | 80-120 | 2 | 10 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4143167 4143168

| Parameter | Units | 92686947012 | | 4143168 | | % Rec | % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|-------------|-----------------|-----------|-----------------|-------|-------|--------------|-----|---------|------|
| | | MS Result | MSD Spike Conc. | MS Result | MSD Spike Conc. | | | | | | |
| Sulfide | mg/L | ND | 0.5 | 0.49 | 0.49 | 96 | 96 | 80-120 | 1 | 10 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

QC Batch: 799850 Analysis Method: SM 4500-S2D-2011
 QC Batch Method: SM 4500-S2D-2011 Analysis Description: 4500S2D Sulfide Water
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92686679019, 92686679020, 92686679021, 92686679022, 92686679023

METHOD BLANK: 4143148 Matrix: Water
 Associated Lab Samples: 92686679019, 92686679020, 92686679021, 92686679022, 92686679023

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|-------|----------------|------------|
| Sulfide | mg/L | ND | 0.10 | 0.022 | 09/15/23 05:02 | |

LABORATORY CONTROL SAMPLE: 4143149

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Sulfide | mg/L | 0.5 | 0.53 | 106 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4143150 4143151

| Parameter | Units | 92687636005 | | 4143150 | | 4143151 | | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|-------------|-----------------|-----------|-----------------|----------|-----------|--------------|--------|---------|------|
| | | MS Result | MSD Spike Conc. | MS Result | MSD Spike Conc. | MS % Rec | MSD % Rec | | | | |
| Sulfide | mg/L | ND | 0.5 | 0.5 | 0.50 | 0.50 | 97 | 98 | 80-120 | 1 | 10 |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4143169 4143170

| Parameter | Units | 92687839001 | | 4143169 | | 4143170 | | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|-------------|-----------------|-----------|-----------------|----------|-----------|--------------|--------|---------|------|
| | | MS Result | MSD Spike Conc. | MS Result | MSD Spike Conc. | MS % Rec | MSD % Rec | | | | |
| Sulfide | mg/L | ND | 0.5 | 0.5 | 0.52 | 0.52 | 101 | 100 | 80-120 | 1 | 10 |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

QC Batch: 800665 Analysis Method: SM 4500-S2D-2011
 QC Batch Method: SM 4500-S2D-2011 Analysis Description: 4500S2D Sulfide Water
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92686679024, 92686679025, 92686679026, 92686679027

METHOD BLANK: 4147249 Matrix: Water
 Associated Lab Samples: 92686679024, 92686679025, 92686679026, 92686679027

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|-------|----------------|------------|
| Sulfide | mg/L | ND | 0.10 | 0.022 | 09/20/23 02:40 | |

LABORATORY CONTROL SAMPLE: 4147250

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Sulfide | mg/L | 0.5 | 0.52 | 103 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4147268 4147269

| Parameter | Units | 92688066005 | | 4147268 | | 4147269 | | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|-------------|-----------------|-----------|-----------------|-----------|-----------------|--------------|--------|---------|------|
| | | MS Result | MSD Spike Conc. | MS Result | MSD Spike Conc. | MS Result | MSD Spike Conc. | | | | |
| Sulfide | mg/L | ND | 0.5 | 0.5 | 0.53 | 0.54 | 104 | 107 | 80-120 | 3 | 10 |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4147270 4147271

| Parameter | Units | 92686947023 | | 4147270 | | 4147271 | | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|-------------|-----------------|-----------|-----------------|-----------|-----------------|--------------|--------|---------|------|
| | | MS Result | MSD Spike Conc. | MS Result | MSD Spike Conc. | MS Result | MSD Spike Conc. | | | | |
| Sulfide | mg/L | ND | 0.5 | 0.5 | 0.52 | 0.51 | 103 | 101 | 80-120 | 2 | 10 |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

QC Batch: 798687 Analysis Method: EPA 300.0 Rev 2.1 1993
 QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92686679001, 92686679002, 92686679003

METHOD BLANK: 4136953 Matrix: Water
 Associated Lab Samples: 92686679001, 92686679002, 92686679003

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|-------|----------------|------------|
| Chloride | mg/L | ND | 1.0 | 0.60 | 09/09/23 13:26 | |
| Fluoride | mg/L | ND | 0.10 | 0.050 | 09/09/23 13:26 | |
| Sulfate | mg/L | ND | 1.0 | 0.50 | 09/09/23 13:26 | |

LABORATORY CONTROL SAMPLE: 4136954

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Chloride | mg/L | 50 | 50.0 | 100 | 90-110 | |
| Fluoride | mg/L | 2.5 | 2.4 | 96 | 90-110 | |
| Sulfate | mg/L | 50 | 50.1 | 100 | 90-110 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4136955 4136956

| Parameter | Units | 92686882001 | | MSD | | MS | | MSD | | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|-------------|----------------|-----------------|-----------|------------|----------|-----------|--------|--------------|-----|---------|------|
| | | Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | | | | | |
| Chloride | mg/L | 23.0 | 50 | 50 | 75.9 | 75.9 | 106 | 106 | 90-110 | 0 | 10 | | |
| Fluoride | mg/L | 0.13 | 2.5 | 2.5 | 2.6 | 2.7 | 101 | 101 | 90-110 | 1 | 10 | | |
| Sulfate | mg/L | 13.2 | 50 | 50 | 66.5 | 66.7 | 107 | 107 | 90-110 | 0 | 10 | | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4136957 4136958

| Parameter | Units | 92686872001 | | MSD | | MS | | MSD | | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|-------------|----------------|-----------------|-----------|------------|----------|-----------|--------|--------------|-----|---------|------|
| | | Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | | | | | |
| Chloride | mg/L | 840 | 50 | 50 | 885 | 882 | 89 | 82 | 90-110 | 0 | 10 | M1 | |
| Fluoride | mg/L | 15.2 | 2.5 | 2.5 | 17.5 | 17.7 | 92 | 98 | 90-110 | 1 | 10 | | |
| Sulfate | mg/L | 55.9 | 50 | 50 | 93.3 | 93.1 | 75 | 74 | 90-110 | 0 | 10 | M1 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

QC Batch: 798688 Analysis Method: EPA 300.0 Rev 2.1 1993
 QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92686679004, 92686679005, 92686679006

METHOD BLANK: 4136959 Matrix: Water
 Associated Lab Samples: 92686679004, 92686679005, 92686679006

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|-------|----------------|------------|
| Chloride | mg/L | ND | 1.0 | 0.60 | 09/09/23 21:04 | |
| Fluoride | mg/L | ND | 0.10 | 0.050 | 09/09/23 21:04 | |
| Sulfate | mg/L | ND | 1.0 | 0.50 | 09/09/23 21:04 | |

LABORATORY CONTROL SAMPLE: 4136960

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Chloride | mg/L | 50 | 50.5 | 101 | 90-110 | |
| Fluoride | mg/L | 2.5 | 2.5 | 101 | 90-110 | |
| Sulfate | mg/L | 50 | 50.6 | 101 | 90-110 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4136961 4136962

| Parameter | Units | 92686679004 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| Chloride | mg/L | 3.2 | 50 | 50 | 56.8 | 57.1 | 107 | 108 | 90-110 | 1 | 10 | |
| Fluoride | mg/L | 0.10 | 2.5 | 2.5 | 2.7 | 2.7 | 102 | 104 | 90-110 | 1 | 10 | |
| Sulfate | mg/L | 53.9 | 50 | 50 | 100 | 99.4 | 92 | 91 | 90-110 | 1 | 10 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| | | | |
|------------------|------------------------|-----------------------|--------------------------------------|
| QC Batch: | 799070 | Analysis Method: | EPA 300.0 Rev 2.1 1993 |
| QC Batch Method: | EPA 300.0 Rev 2.1 1993 | Analysis Description: | 300.0 IC Anions |
| | | Laboratory: | Pace Analytical Services - Asheville |

Associated Lab Samples: 92686679007, 92686679008, 92686679009, 92686679010, 92686679011, 92686679012

METHOD BLANK: 4138708 Matrix: Water
 Associated Lab Samples: 92686679007, 92686679008, 92686679009, 92686679010, 92686679011, 92686679012

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|-------|----------------|------------|
| Chloride | mg/L | ND | 1.0 | 0.60 | 09/12/23 12:51 | |
| Fluoride | mg/L | ND | 0.10 | 0.050 | 09/12/23 12:51 | |
| Sulfate | mg/L | ND | 1.0 | 0.50 | 09/12/23 12:51 | |

LABORATORY CONTROL SAMPLE: 4138709

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Chloride | mg/L | 50 | 49.6 | 99 | 90-110 | |
| Fluoride | mg/L | 2.5 | 2.6 | 103 | 90-110 | |
| Sulfate | mg/L | 50 | 50.1 | 100 | 90-110 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4138710 4138711

| Parameter | Units | 92687087001 | | MS | | MSD | | % Rec | % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|-------------|-------|-------------|-------|--------|--------|-------|--------|--------------|-----|---------|------|
| | | Result | Conc. | Spike Conc. | Conc. | Result | Result | | | | | | |
| Chloride | mg/L | 8.0 | 50 | 50 | 59.4 | 59.8 | 103 | 104 | 90-110 | 1 | 10 | | |
| Fluoride | mg/L | 0.63 | 2.5 | 2.5 | 3.5 | 3.5 | 113 | 115 | 90-110 | 1 | 10 | M1 | |
| Sulfate | mg/L | 9.9 | 50 | 50 | 60.7 | 61.4 | 102 | 103 | 90-110 | 1 | 10 | | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4138712 4138713

| Parameter | Units | 92686677010 | | MS | | MSD | | % Rec | % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|-------------|-------|-------------|-------|--------|--------|-------|--------|--------------|-----|---------|------|
| | | Result | Conc. | Spike Conc. | Conc. | Result | Result | | | | | | |
| Chloride | mg/L | ND | 50 | 50 | 52.1 | 53.1 | 104 | 106 | 90-110 | 2 | 10 | | |
| Fluoride | mg/L | ND | 2.5 | 2.5 | 2.7 | 2.7 | 109 | 108 | 90-110 | 0 | 10 | | |
| Sulfate | mg/L | ND | 50 | 50 | 52.7 | 54.0 | 105 | 108 | 90-110 | 2 | 10 | | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| | | | |
|-------------------------|---|-----------------------|--------------------------------------|
| QC Batch: | 799599 | Analysis Method: | EPA 300.0 Rev 2.1 1993 |
| QC Batch Method: | EPA 300.0 Rev 2.1 1993 | Analysis Description: | 300.0 IC Anions |
| | | Laboratory: | Pace Analytical Services - Asheville |
| Associated Lab Samples: | 92686679013, 92686679014, 92686679015, 92686679016, 92686679017, 92686679018, 92686679019, 92686679020, 92686679021, 92686679022, 92686679023 | | |

| | | | |
|-------------------------|---|---------|-------|
| METHOD BLANK: | 4141628 | Matrix: | Water |
| Associated Lab Samples: | 92686679013, 92686679014, 92686679015, 92686679016, 92686679017, 92686679018, 92686679019, 92686679020, 92686679021, 92686679022, 92686679023 | | |

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|-------|----------------|------------|
| Chloride | mg/L | ND | 1.0 | 0.60 | 09/14/23 22:23 | |
| Fluoride | mg/L | ND | 0.10 | 0.050 | 09/14/23 22:23 | |
| Sulfate | mg/L | ND | 1.0 | 0.50 | 09/14/23 22:23 | |

| LABORATORY CONTROL SAMPLE: 4141629 | | | | | | |
|------------------------------------|-------|-------------|------------|-----------|--------------|------------|
| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
| Chloride | mg/L | 50 | 50.1 | 100 | 90-110 | |
| Fluoride | mg/L | 2.5 | 2.6 | 103 | 90-110 | |
| Sulfate | mg/L | 50 | 50.5 | 101 | 90-110 | |

| MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4141630 | | | | | | | | | | | | 4141631 | |
|--|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|---------|--|
| Parameter | Units | 92686947017 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual | |
| Chloride | mg/L | ND | 50 | 50 | 52.8 | 49.9 | 106 | 100 | 90-110 | 6 | 10 | | |
| Fluoride | mg/L | ND | 2.5 | 2.5 | 2.7 | 2.6 | 107 | 104 | 90-110 | 3 | 10 | | |
| Sulfate | mg/L | ND | 50 | 50 | 52.9 | 49.9 | 106 | 100 | 90-110 | 6 | 10 | | |

| MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4141632 | | | | | | | | | | | | 4141633 | |
|--|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|---------|--|
| Parameter | Units | 92686679019 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual | |
| Chloride | mg/L | 4.0 | 50 | 50 | 57.7 | 54.0 | 107 | 100 | 90-110 | 7 | 10 | | |
| Fluoride | mg/L | 0.069J | 2.5 | 2.5 | 2.7 | 2.5 | 104 | 97 | 90-110 | 7 | 10 | | |
| Sulfate | mg/L | ND | 50 | 50 | 54.2 | 50.4 | 108 | 100 | 90-110 | 7 | 10 | | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

QC Batch: 800154 Analysis Method: EPA 300.0 Rev 2.1 1993
 QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
 Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92686679024, 92686679025, 92686679026, 92686679027

METHOD BLANK: 4144610 Matrix: Water
 Associated Lab Samples: 92686679024, 92686679025, 92686679026, 92686679027

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|-------|----------------|------------|
| Chloride | mg/L | ND | 1.0 | 0.60 | 09/16/23 16:00 | |
| Fluoride | mg/L | ND | 0.10 | 0.050 | 09/16/23 16:00 | |
| Sulfate | mg/L | ND | 1.0 | 0.50 | 09/16/23 16:00 | |

LABORATORY CONTROL SAMPLE: 4144611

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Chloride | mg/L | 50 | 51.3 | 103 | 90-110 | |
| Fluoride | mg/L | 2.5 | 2.5 | 100 | 90-110 | |
| Sulfate | mg/L | 50 | 51.7 | 103 | 90-110 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4144612 4144613

| Parameter | Units | MS | | MSD | | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|--------------------|-------------|-------------|--------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| | | 92687781001 Result | Spike Conc. | Spike Conc. | Result | | | | | | | | |
| Chloride | mg/L | ND | 50 | 50 | 52.9 | 50.9 | 105 | 101 | 90-110 | 4 | 10 | | |
| Fluoride | mg/L | ND | 2.5 | 2.5 | 2.6 | 2.5 | 105 | 99 | 90-110 | 5 | 10 | | |
| Sulfate | mg/L | ND | 50 | 50 | 52.9 | 50.8 | 106 | 101 | 90-110 | 4 | 10 | | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4144614 4144615

| Parameter | Units | MS | | MSD | | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|--------------------|-------------|-------------|--------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| | | 92687944002 Result | Spike Conc. | Spike Conc. | Result | | | | | | | | |
| Chloride | mg/L | 652 | 50 | 50 | 802 | 686 | 301 | 69 | 90-110 | 16 | 10 | M1, R1 | |
| Fluoride | mg/L | 0.25 | 2.5 | 2.5 | 2.8 | 2.7 | 103 | 98 | 90-110 | 5 | 10 | | |
| Sulfate | mg/L | 5.8 | 50 | 50 | 59.0 | 56.3 | 106 | 101 | 90-110 | 5 | 10 | | |

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QUALIFIERS

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

R1 RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

Table with 6 columns: Lab ID, Sample ID, QC Batch Method, QC Batch, Analytical Method, Analytical Batch. It lists various sample IDs and their corresponding QC and analytical data.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|----------------|-----------------|----------|-------------------|------------------|
| 92686679019 | MCD-B-77 | EPA 3005A | 799667 | EPA 6020B | 799762 |
| 92686679020 | MCD-B-83 | EPA 3005A | 799667 | EPA 6020B | 799762 |
| 92686679021 | MCD-B-88 | EPA 3005A | 799667 | EPA 6020B | 799762 |
| 92686679022 | MCD-B-107D | EPA 3005A | 799667 | EPA 6020B | 799762 |
| 92686679023 | MCD-B-120D | EPA 3005A | 799667 | EPA 6020B | 799762 |
| 92686679024 | MCD-B-104D | EPA 3005A | 800427 | EPA 6020B | 800580 |
| 92686679025 | MCD-B-108D | EPA 3005A | 800427 | EPA 6020B | 800580 |
| 92686679026 | MCD-B-111D | EPA 3005A | 800427 | EPA 6020B | 800580 |
| 92686679027 | MCD-B-125D | EPA 3005A | 800427 | EPA 6020B | 800580 |
| 92686679007 | MCD-B-63 | EPA 7470A | 803461 | EPA 7470A | 803573 |
| 92686679008 | MCD-B-122D | EPA 7470A | 803461 | EPA 7470A | 803573 |
| 92686679009 | MCD-B-101D | EPA 7470A | 803461 | EPA 7470A | 803573 |
| 92686679010 | MCD-B-56 | EPA 7470A | 803461 | EPA 7470A | 803573 |
| 92686679011 | MCD-AP234-FD-5 | EPA 7470A | 803461 | EPA 7470A | 803573 |
| 92686679012 | MCD-AP234-FB-5 | EPA 7470A | 803461 | EPA 7470A | 803573 |
| 92686679013 | MCD-B-102D | EPA 7470A | 803461 | EPA 7470A | 803573 |
| 92686679014 | MCD-B-82 | EPA 7470A | 803461 | EPA 7470A | 803573 |
| 92686679015 | MCD-B-66 | EPA 7470A | 803461 | EPA 7470A | 803573 |
| 92686679016 | MCD-B-106D | EPA 7470A | 803461 | EPA 7470A | 803573 |
| 92686679017 | MCD-AP234-FD-4 | EPA 7470A | 803461 | EPA 7470A | 803573 |
| 92686679018 | MCD-AP234-EB-5 | EPA 7470A | 803461 | EPA 7470A | 803573 |
| 92686679019 | MCD-B-77 | EPA 7470A | 803461 | EPA 7470A | 803573 |
| 92686679020 | MCD-B-83 | EPA 7470A | 803461 | EPA 7470A | 803573 |
| 92686679021 | MCD-B-88 | EPA 7470A | 803461 | EPA 7470A | 803573 |
| 92686679022 | MCD-B-107D | EPA 7470A | 803461 | EPA 7470A | 803573 |
| 92686679023 | MCD-B-120D | EPA 7470A | 803461 | EPA 7470A | 803573 |
| 92686679024 | MCD-B-104D | EPA 7470A | 801878 | EPA 7470A | 802024 |
| 92686679025 | MCD-B-108D | EPA 7470A | 801878 | EPA 7470A | 802024 |
| 92686679026 | MCD-B-111D | EPA 7470A | 801878 | EPA 7470A | 802024 |
| 92686679027 | MCD-B-125D | EPA 7470A | 801878 | EPA 7470A | 802024 |
| 92686679001 | MCD-B-93 | SM 2540C-2015 | 798883 | | |
| 92686679002 | MCD-B-92 | SM 2540C-2015 | 798883 | | |
| 92686679003 | MCD-B-97 | SM 2540C-2015 | 798883 | | |
| 92686679004 | MCD-B-98 | SM 2540C-2015 | 798883 | | |
| 92686679005 | MCD-AP234-FB-4 | SM 2540C-2015 | 798883 | | |
| 92686679006 | MCD-AP234-EB-4 | SM 2540C-2015 | 798883 | | |
| 92686679007 | MCD-B-63 | SM 2540C-2015 | 799142 | | |
| 92686679008 | MCD-B-122D | SM 2540C-2015 | 799142 | | |
| 92686679009 | MCD-B-101D | SM 2540C-2015 | 799142 | | |
| 92686679010 | MCD-B-56 | SM 2540C-2015 | 799142 | | |
| 92686679011 | MCD-AP234-FD-5 | SM 2540C-2015 | 799142 | | |
| 92686679012 | MCD-AP234-FB-5 | SM 2540C-2015 | 799142 | | |
| 92686679013 | MCD-B-102D | SM 2540C-2015 | 799378 | | |
| 92686679014 | MCD-B-82 | SM 2540C-2015 | 799704 | | |
| 92686679015 | MCD-B-66 | SM 2540C-2015 | 799704 | | |

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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|----------------|-----------------|----------|-------------------|------------------|
| 92686679016 | MCD-B-106D | SM 2540C-2015 | 799704 | | |
| 92686679017 | MCD-AP234-FD-4 | SM 2540C-2015 | 799704 | | |
| 92686679018 | MCD-AP234-EB-5 | SM 2540C-2015 | 799704 | | |
| 92686679019 | MCD-B-77 | SM 2540C-2015 | 800282 | | |
| 92686679020 | MCD-B-83 | SM 2540C-2015 | 800282 | | |
| 92686679021 | MCD-B-88 | SM 2540C-2015 | 800282 | | |
| 92686679022 | MCD-B-107D | SM 2540C-2015 | 800282 | | |
| 92686679023 | MCD-B-120D | SM 2540C-2015 | 800282 | | |
| 92686679024 | MCD-B-104D | SM 2540C-2015 | 800804 | | |
| 92686679025 | MCD-B-108D | SM 2540C-2015 | 800804 | | |
| 92686679026 | MCD-B-111D | SM 2540C-2015 | 800804 | | |
| 92686679027 | MCD-B-125D | SM 2540C-2015 | 800811 | | |
| 92686679001 | MCD-B-93 | EPA 7470A | 800476 | EPA 7470A | 800627 |
| 92686679002 | MCD-B-92 | EPA 7470A | 800476 | EPA 7470A | 800627 |
| 92686679003 | MCD-B-97 | EPA 7470A | 800476 | EPA 7470A | 800627 |
| 92686679004 | MCD-B-98 | EPA 7470A | 800476 | EPA 7470A | 800627 |
| 92686679005 | MCD-AP234-FB-4 | EPA 7470A | 800476 | EPA 7470A | 800627 |
| 92686679006 | MCD-AP234-EB-4 | EPA 7470A | 800476 | EPA 7470A | 800627 |
| 92686679001 | MCD-B-93 | SM 2320B-2011 | 798846 | | |
| 92686679002 | MCD-B-92 | SM 2320B-2011 | 798846 | | |
| 92686679003 | MCD-B-97 | SM 2320B-2011 | 798846 | | |
| 92686679004 | MCD-B-98 | SM 2320B-2011 | 798846 | | |
| 92686679005 | MCD-AP234-FB-4 | SM 2320B-2011 | 798846 | | |
| 92686679006 | MCD-AP234-EB-4 | SM 2320B-2011 | 798846 | | |
| 92686679007 | MCD-B-63 | SM 2320B-2011 | 799173 | | |
| 92686679008 | MCD-B-122D | SM 2320B-2011 | 799173 | | |
| 92686679009 | MCD-B-101D | SM 2320B-2011 | 799657 | | |
| 92686679010 | MCD-B-56 | SM 2320B-2011 | 799657 | | |
| 92686679011 | MCD-AP234-FD-5 | SM 2320B-2011 | 799173 | | |
| 92686679012 | MCD-AP234-FB-5 | SM 2320B-2011 | 799173 | | |
| 92686679013 | MCD-B-102D | SM 2320B-2011 | 799684 | | |
| 92686679014 | MCD-B-82 | SM 2320B-2011 | 799684 | | |
| 92686679015 | MCD-B-66 | SM 2320B-2011 | 799684 | | |
| 92686679016 | MCD-B-106D | SM 2320B-2011 | 799684 | | |
| 92686679017 | MCD-AP234-FD-4 | SM 2320B-2011 | 799684 | | |
| 92686679018 | MCD-AP234-EB-5 | SM 2320B-2011 | 799684 | | |
| 92686679019 | MCD-B-77 | SM 2320B-2011 | 799970 | | |
| 92686679020 | MCD-B-83 | SM 2320B-2011 | 799970 | | |
| 92686679021 | MCD-B-88 | SM 2320B-2011 | 799970 | | |
| 92686679022 | MCD-B-107D | SM 2320B-2011 | 799970 | | |
| 92686679023 | MCD-B-120D | SM 2320B-2011 | 800267 | | |
| 92686679024 | MCD-B-104D | SM 2320B-2011 | 800448 | | |
| 92686679025 | MCD-B-108D | SM 2320B-2011 | 800448 | | |

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|----------------|------------------------|----------|-------------------|------------------|
| 92686679026 | MCD-B-111D | SM 2320B-2011 | 800448 | | |
| 92686679027 | MCD-B-125D | SM 2320B-2011 | 800851 | | |
| 92686679001 | MCD-B-93 | SM 4500-S2D-2011 | 798662 | | |
| 92686679002 | MCD-B-92 | SM 4500-S2D-2011 | 798662 | | |
| 92686679003 | MCD-B-97 | SM 4500-S2D-2011 | 798662 | | |
| 92686679004 | MCD-B-98 | SM 4500-S2D-2011 | 798662 | | |
| 92686679005 | MCD-AP234-FB-4 | SM 4500-S2D-2011 | 798662 | | |
| 92686679006 | MCD-AP234-EB-4 | SM 4500-S2D-2011 | 798662 | | |
| 92686679007 | MCD-B-63 | SM 4500-S2D-2011 | 799296 | | |
| 92686679008 | MCD-B-122D | SM 4500-S2D-2011 | 799296 | | |
| 92686679009 | MCD-B-101D | SM 4500-S2D-2011 | 799297 | | |
| 92686679010 | MCD-B-56 | SM 4500-S2D-2011 | 799297 | | |
| 92686679011 | MCD-AP234-FD-5 | SM 4500-S2D-2011 | 799296 | | |
| 92686679012 | MCD-AP234-FB-5 | SM 4500-S2D-2011 | 799296 | | |
| 92686679013 | MCD-B-102D | SM 4500-S2D-2011 | 799849 | | |
| 92686679014 | MCD-B-82 | SM 4500-S2D-2011 | 799849 | | |
| 92686679015 | MCD-B-66 | SM 4500-S2D-2011 | 799849 | | |
| 92686679016 | MCD-B-106D | SM 4500-S2D-2011 | 799849 | | |
| 92686679017 | MCD-AP234-FD-4 | SM 4500-S2D-2011 | 799849 | | |
| 92686679018 | MCD-AP234-EB-5 | SM 4500-S2D-2011 | 799849 | | |
| 92686679019 | MCD-B-77 | SM 4500-S2D-2011 | 799850 | | |
| 92686679020 | MCD-B-83 | SM 4500-S2D-2011 | 799850 | | |
| 92686679021 | MCD-B-88 | SM 4500-S2D-2011 | 799850 | | |
| 92686679022 | MCD-B-107D | SM 4500-S2D-2011 | 799850 | | |
| 92686679023 | MCD-B-120D | SM 4500-S2D-2011 | 799850 | | |
| 92686679024 | MCD-B-104D | SM 4500-S2D-2011 | 800665 | | |
| 92686679025 | MCD-B-108D | SM 4500-S2D-2011 | 800665 | | |
| 92686679026 | MCD-B-111D | SM 4500-S2D-2011 | 800665 | | |
| 92686679027 | MCD-B-125D | SM 4500-S2D-2011 | 800665 | | |
| 92686679001 | MCD-B-93 | EPA 300.0 Rev 2.1 1993 | 798687 | | |
| 92686679002 | MCD-B-92 | EPA 300.0 Rev 2.1 1993 | 798687 | | |
| 92686679003 | MCD-B-97 | EPA 300.0 Rev 2.1 1993 | 798687 | | |
| 92686679004 | MCD-B-98 | EPA 300.0 Rev 2.1 1993 | 798688 | | |
| 92686679005 | MCD-AP234-FB-4 | EPA 300.0 Rev 2.1 1993 | 798688 | | |
| 92686679006 | MCD-AP234-EB-4 | EPA 300.0 Rev 2.1 1993 | 798688 | | |
| 92686679007 | MCD-B-63 | EPA 300.0 Rev 2.1 1993 | 799070 | | |
| 92686679008 | MCD-B-122D | EPA 300.0 Rev 2.1 1993 | 799070 | | |
| 92686679009 | MCD-B-101D | EPA 300.0 Rev 2.1 1993 | 799070 | | |
| 92686679010 | MCD-B-56 | EPA 300.0 Rev 2.1 1993 | 799070 | | |
| 92686679011 | MCD-AP234-FD-5 | EPA 300.0 Rev 2.1 1993 | 799070 | | |
| 92686679012 | MCD-AP234-FB-5 | EPA 300.0 Rev 2.1 1993 | 799070 | | |
| 92686679013 | MCD-B-102D | EPA 300.0 Rev 2.1 1993 | 799599 | | |
| 92686679014 | MCD-B-82 | EPA 300.0 Rev 2.1 1993 | 799599 | | |

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant McD AP-234 Assessment

Pace Project No.: 92686679

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|----------------|------------------------|----------|-------------------|------------------|
| 92686679015 | MCD-B-66 | EPA 300.0 Rev 2.1 1993 | 799599 | | |
| 92686679016 | MCD-B-106D | EPA 300.0 Rev 2.1 1993 | 799599 | | |
| 92686679017 | MCD-AP234-FD-4 | EPA 300.0 Rev 2.1 1993 | 799599 | | |
| 92686679018 | MCD-AP234-EB-5 | EPA 300.0 Rev 2.1 1993 | 799599 | | |
| 92686679019 | MCD-B-77 | EPA 300.0 Rev 2.1 1993 | 799599 | | |
| 92686679020 | MCD-B-83 | EPA 300.0 Rev 2.1 1993 | 799599 | | |
| 92686679021 | MCD-B-88 | EPA 300.0 Rev 2.1 1993 | 799599 | | |
| 92686679022 | MCD-B-107D | EPA 300.0 Rev 2.1 1993 | 799599 | | |
| 92686679023 | MCD-B-120D | EPA 300.0 Rev 2.1 1993 | 799599 | | |
| 92686679024 | MCD-B-104D | EPA 300.0 Rev 2.1 1993 | 800154 | | |
| 92686679025 | MCD-B-108D | EPA 300.0 Rev 2.1 1993 | 800154 | | |
| 92686679026 | MCD-B-111D | EPA 300.0 Rev 2.1 1993 | 800154 | | |
| 92686679027 | MCD-B-125D | EPA 300.0 Rev 2.1 1993 | 800154 | | |

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.



DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Cherokee Eden Greenwood Huntersville Raleigh Mechanicalville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

Gen-Power

Project #:

WO#: 92686679



Carrier: Fed Ex UPS USPS Client
 Home Other: _____

Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: *9-17-23 JCC*

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: IR-Gun ID: *730* Type of Ice: Wet Blue None

Ambient Temp: *7.3* Correction Factor: Add/Subtract (°C) *0.0*

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

Ambient Temp Corrected (°C) *7.3*

IDA Regulated Soil (N/A water sample)

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

WO#: 92686679

Project #

PM: BV

Due Date: 09/21/23

CLIENT: 92-GA Power

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

| Item# | BP4U-125 mL Plastic Unpreserved (N/A) (Cl-) | BP3U-250 mL Plastic Unpreserved (N/A) | BP2U-500 mL Plastic Unpreserved (N/A) | BP1U-1 liter Plastic Unpreserved (N/A) | BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-) | BP3N-250 mL plastic HNO3 (pH < 2) | BP4Z-125 mL Plastic ZN Acetate & NaOH (>9) | BP4B-125 mL Plastic NaOH (pH > 12) (Cl-) | WGFU-Wide-mouthed Glass jar Unpreserved | AG1U-1 liter Amber Unpreserved (N/A) (Cl-) | AG1H-1 liter Amber HCl (pH < 2) | AG3U-250 mL Amber Unpreserved (N/A) (Cl-) | AG1S-1 liter Amber H2SO4 (pH < 2) | AG3S-250 mL Amber H2SO4 (pH < 2) | DG94-40 mL Amber NH4Cl (N/A)(Cl-) | DG9H-40 mL VOA HCl (N/A) | VG9T-40 mL VOA Na2S2O3 (N/A) | VG9U-40 mL VOA Unpreserved (N/A) | DG9V-40 mL VOA H3PO4 (N/A) | KP7U-50 mL Plastic Unpreserved (N/A) | V/GK (3 vials per kit)-VPH/Gas kit (N/A) | SP5T-125 mL Sterile Plastic (N/A - lab) | SP2T-250 mL Sterile Plastic (N/A - lab) | BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7) | AG0U-100 mL Amber Unpreserved (N/A) (Cl-) | V56U-20 mL Scintillation vials (N/A) | DG9U-40 mL Amber Unpreserved vials (N/A) | | |
|-------|---|---------------------------------------|---------------------------------------|--|--|-----------------------------------|--|--|---|--|---------------------------------|---|-----------------------------------|----------------------------------|-----------------------------------|--------------------------|------------------------------|----------------------------------|----------------------------|--------------------------------------|--|---|---|---|---|--------------------------------------|--|--|--|
| 1 | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

pH Adjustment Log for Preserved Samples

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

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



Effective Date: 11/14/2022

laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name: GA Power

Project #: **WO#: 92686679**

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

PM: BV Due Date: 09/21/23
CLIENT: 92-GA Power

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 9/8/23

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen?
 Yes No N/A

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

Cooler Temp: 4.1 Correction Factor: Add/Subtract (°C) 0.0

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

Cooler Temp Corrected (°C): 4.1

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Project #

WO#: 92686679

Due Date: 09/21/23

PM: BV

CLIENT: 92-GA Power

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

| Item# | BP4U-125 mL Plastic Unpreserved (N/A) (Cl-) | BP3U-250 mL Plastic Unpreserved (N/A) | BP2U-500 mL Plastic Unpreserved (N/A) | BP1U-1 liter Plastic Unpreserved (N/A) | BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-) | BP3N-250 mL plastic HNO3 (pH < 2) | BP4Z-125 mL Plastic 2N Acetate & NaOH (>9) | BP4B-125 mL Plastic NaOH (pH > 12) (Cl-) | WGFLU-Wide-mouthed Glass jar Unpreserved | AG1U-1 liter Amber Unpreserved (N/A) (Cl-) | AG1H-1 liter Amber HCl (pH < 2) | AG3U-250 mL Amber Unpreserved (N/A) (Cl-) | AG1S-1 liter Amber H2SO4 (pH < 2) | AG3S-250 mL Amber H2SO4 (pH < 2) | DG94-40 mL Amber NH4Cl (N/A)(Cl-) | DG9H-40 mL VOA HCl (N/A) | VG9T-40 mL VOA Na2S2O3 (N/A) | VG9U-40 mL VOA Unpreserved (N/A) | DG9V-40 mL VOA H3PO4 (N/A) | KP7U-50 mL Plastic Unpreserved (N/A) | V/GK (3 vials per kit)-VPH/Gas kit (N/A) | SP5T-125 mL Sterile Plastic (N/A - lab) | SP2T-250 mL Sterile Plastic (N/A - lab) | BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7) | AG0U-100 mL Amber Unpreserved (N/A) (Cl-) | VSGU-20 mL Scintillation vials (N/A) | DG9U-40 mL Amber Unpreserved vials (N/A) | |
|-------|---|---------------------------------------|---------------------------------------|--|--|-----------------------------------|--|--|--|--|---------------------------------|---|-----------------------------------|----------------------------------|-----------------------------------|--------------------------|------------------------------|----------------------------------|----------------------------|--------------------------------------|--|---|---|---|---|--------------------------------------|--|---|
| 1 | / | 2 | 1 | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | BRIN | / | / | / | / |
| 2 | / | 2 | 1 | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / |
| 3 | / | 2 | 1 | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / |
| 4 | / | 2 | 1 | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / |
| 5 | / | 2 | 1 | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / |
| 6 | / | 2 | 1 | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / |
| 7 | / | 2 | 1 | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / |
| 8 | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / |
| 9 | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / |
| 10 | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / |
| 11 | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / |
| 12 | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / |

pH Adjustment Log for Preserved Samples

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

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

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

| Section A | | Section B | | Section C | |
|------------------------------|---|-------------------------------|-----------------------------|------------------------|-----------------------------|
| Required Client Information: | | Required Project Information: | | Invoice Information: | |
| Company: | Georgia Power - Coal Combustion Residuals | Report To: | Lauren Coker | Attention: | scsinvoicere@southhamco.com |
| Address: | 2460 Meyer Road | Copy To: | WSP | Company Name: | |
| | Atlanta, GA 30339 | | | Address: | |
| Email: | lauren.coker@southhamco.com | Purchase Order #: | Plant MCD-AP-234 Assessment | Pack Quote: | |
| Phone: | (478) 620-6176 | Fax: | | Peace Project Manager: | Bonnie Vang |
| Requested Due Date: | 10 Day TAT | Project Name: | Project # 31406440 MCD23 | Pack Profile #: | GA |

| ITEM # | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB, C=COMP) | DATE | TIME | # OF CONTAINERS | Preservatives | | | | | | | | | | Analyses Test | | | | | | | Y/N | Residual Chrome (Y/N) | | | | | | | | | | | | |
|--------|---------------------------------------|------------------------------|--------|-------|-----------------|---------------|------------|-----|-------------------|---------|----------|-------|----------------------------|------------|----------------|---------------|------------|---------|--|--|--|--|-----|-----------------------|--|--|--|--|--|--|--|--|--|--|---------------|-----|
| | | | | | | H2SO4 | HNO3 + H2O | HCl | NaOH + Zn Acetate | NaN2SO3 | Methanol | Other | App III/IV + Mg, Na, K, Pb | Cl, F, SO4 | Radum 9513/320 | TDS | Alkalinity | Sulfide | | | | | | | | | | | | | | | | | | |
| 1 | MCD-B-63 | G | 9/7/23 | 12:06 | 7 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | MCD-B-122D | G | 9/7/23 | 15:11 | 7 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | WST |
| 3 | MCD-B-101D | G | 9/8/23 | 10:35 | 9 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | WY EXTRA RADS | |
| 4 | MCD-B-56 | G | 9/8/23 | 10:36 | 7 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | WD | |
| 6 | MCD-AP234-FD-5 | G | 9/7/23 | - | 7 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | WL | |
| 7 | MCD-AP234-FB-5 | G | 9/7/23 | 12:35 | 7 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | WV | |

| REQUISITED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE |
|-----------------------------|----------|-------|---------------------------|----------|
| MARIE AARR WSP | 09/08/23 | 15:50 | [Signature] | 09/15/23 |

| ADDITIONAL COMMENTS | TEMP in C | Received on | Ice (Y/N) | Custody (Y/N) | Sealed Cooler (Y/N) | Samples Intact (Y/N) |
|---------------------------------|-----------|-------------|-----------|---------------|---------------------|----------------------|
| ask Code = MCD-CCR-ASSMT-2023S2 | | | | | | |

Date Signed: _____



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

Courier: Fed Ex UPS USPS Client Commercial Pace Other:

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 4/12/23

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: IR Gun ID: 083 4.8 Type of Ice: Wet Blue None

Cooler Temp: 4.8 Correction Factor: Add/Subtract (°C) 0.0

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

Cooler Temp Corrected (°C): 4.8

USDA Regulated Soil (N/A, water sample)

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

| Item# | BP4U-125 mL Plastic Unpreserved (N/A) (Cl-) | BP3U-250 mL Plastic Unpreserved (N/A) | BP2U-500 mL Plastic Unpreserved (N/A) | BP1U-1 liter Plastic Unpreserved (N/A) | BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-) | BP3N-250 mL plastic HNO3 (pH < 2) | BP4Z-125 mL Plastic 2N Acetate & NaOH (>9) | BP4B-125 mL Plastic NaOH (pH > 12) (Cl-) | WGFU-Wide-mouthed Glass jar Unpreserved | AG1U-1 liter Amber Unpreserved (N/A) (Cl-) | AG1H-1 liter Amber HCl (pH < 2) | AG3U-250 mL Amber Unpreserved (N/A) (Cl-) | AG1S-1 liter Amber H2SO4 (pH < 2) | AG3S-250 mL Amber H2SO4 (pH < 2) | DG9A-40 mL Amber NH4Cl (N/A)(Cl-) | DG9H-40 mL VOA HCl (N/A) | VG9T-40 mL VOA Na2S2O3 (N/A) | VG9U-40 mL VOA Unpreserved (N/A) | DG9V-40 mL VOA H3PO4 (N/A) | KP7U-50 mL Plastic Unpreserved (N/A) | V/GK (3 vials per kit)-VPH/Gas kit (N/A) | SP5T-125 mL Sterile Plastic (N/A - lab) | SP2T-250 mL Sterile Plastic (N/A - lab) | BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7) | AG6U-100 mL Amber Unpreserved (N/A) (Cl-) | V56U-20 mL Scintillation vials (N/A) | DG9U-40 mL Amber Unpreserved vials (N/A) | | |
|-------|---|---------------------------------------|---------------------------------------|--|--|-----------------------------------|--|--|---|--|---------------------------------|---|-----------------------------------|----------------------------------|-----------------------------------|--------------------------|------------------------------|----------------------------------|----------------------------|--------------------------------------|--|---|---|---|---|--------------------------------------|--|--|--|
| 1 | | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

pH Adjustment Log for Preserved Samples

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

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



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

| | | | |
|---|---|--|-----------|
| Section A | Section B | Section C | Section D |
| Required Client Information: Company: Georgia Power - Coal Combustion Residuals Address: 2450 Mariner Road Atlanta, GA 30328 Email: laurie.louis@ge.com Phone: (478) 520-6179 | Required Project Information: Report To: Lauren Colar Copy To: WSP Address: scalyhocal@ga.com Company Name: Address: State: Zip: Project Name: Plant MCD AP-254 Assessment Project ID: 31408442 MCD25 | Invoice Information: Assign: scalyhocal@ga.com Project Manager: Bonnie Vang Regulatory Agency: | 1 of 1 |
| Requested Due Date: 10 Day TAT | Matrix Code: See WSP code to bag | Sample Type: (SGRAB - COMB) | 92686679 |

| ITEM # | MATRIX CODE | MATRIX CODE (See WSP code to bag) | SAMPLE TYPE (SGRAB - COMB) | DATE | TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Impreserved - for H2SO4 | HNO3 + H2 | HCl | MOH + Zn Acetate | MDCSOS | Method | Other | Analytes Test | As F. SO4 | Cl, F, SO4 | Carbon 5515/8330 | TDS | Asability | Sulfide | Residual Chloride (Y/N) |
|--------|----------------|-----------------------------------|----------------------------|---------|-------|---------------------------|-----------------|-------------------------|-----------|-----|------------------|--------|--------|-------|---------------|-----------|------------|------------------|-----|-----------|---------|-------------------------|
| 1 | MCD-B-102D | | G | 8/11/23 | 10:40 | | 7 | 3 | 3 | 1 | | | | | X | X | X | X | X | X | | 013 |
| 2 | MCD-B-52 | | G | 8/11/23 | 11:57 | | 7 | 3 | 3 | 1 | | | | | X | X | X | X | X | X | | 014 |
| 3 | MCD-B-06 | | G | 8/11/23 | 13:57 | | 7 | 3 | 3 | 1 | | | | | X | X | X | X | X | X | | 015 |
| 4 | MCD-B-106D | | G | 8/11/23 | 15:35 | | 7 | 3 | 3 | 1 | | | | | X | X | X | X | X | X | | 016 |
| 5 | MCD-AP234-FD-4 | | G | 8/11/23 | - | | 7 | 3 | 3 | 1 | | | | | X | X | X | X | X | X | | 017 |
| 6 | MCD-AP234-EB-5 | | G | 8/11/23 | 11:26 | | 7 | 3 | 3 | 1 | | | | | X | X | X | X | X | X | | 018 |

| | |
|--|-------------------------|
| ACCEPTED BY / APPLICANT: [Signature] | DATE: 8/11/23 |
| ACCEPTED BY / APPLICANT: [Signature] | DATE: 8/11/23 |
| RECEIVED BY / APPLICANT: [Signature] | DATE: 8/11/23 |
| RECEIVED BY / APPLICANT: [Signature] | DATE: 8/11/23 |



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta

Sample Condition Upon Receipt

Client Name: CA Power

Project #: WO#: 92686679

PM: BV Due Date: 09/21/23
CLIENT: 92-GA Power

Courier: Fed Ex UPS USPS Client
 Commercial Pace Other:

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: F-13-23 HJ

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: IR Gun ID: 083 Type of Ice: Wet Blue None

Cooler Temp: 2.9 Correction Factor: Add/Subtract (°C) 0.0

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

Cooler Temp Corrected (°C): 2.9

USDA Regulated Soil (N/A, water sample)

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

WO#: 92686679

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

PM: BV

Due Date: 09/21/23

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/BO15 (water) DOC, LLHg

CLIENT: 92-GR Power

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

| Item# | BP4U-125 mL Plastic Unpreserved (N/A) (Cl-) | BP3U-250 mL Plastic Unpreserved (N/A) | BP2U-500 mL Plastic Unpreserved (N/A) | BP1U-1 liter Plastic Unpreserved (N/A) | BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-) | BP3N-250 mL plastic HNO3 (pH < 2) | BP4Z-125 mL Plastic ZN Acetate & NaOH (>9) | BP4B-125 mL Plastic NaOH (pH > 12) (Cl-) | WGFU-Wide-mouthed Glass jar Unpreserved | AG1U-1 liter Amber Unpreserved (N/A) (Cl-) | AG1H-1 liter Amber HCl (pH < 2) | AG3U-250 mL Amber Unpreserved (N/A) (Cl-) | AG1S-1 liter Amber H2SO4 (pH < 2) | AG3S-250 mL Amber H2SO4 (pH < 2) | DG94-40 mL Amber NH4Cl (N/A)(Cl-) | DG9H-40 mL VOA HCl (N/A) | VG9T-40 mL VOA Na2S2O3 (N/A) | VG9U-40 mL VOA Unpreserved (N/A) | DG9V-40 mL VOA H3PO4 (N/A) | KP7U-50 mL Plastic Unpreserved (N/A) | V/GK (3 vials per kit)-VPH/Gas kit (N/A) | SP5T-125 mL Sterile Plastic (N/A - lab) | SP2T-250 mL Sterile Plastic (N/A - lab) | BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7) | AG0U-100 mL Amber Unpreserved (N/A) (Cl-) | VSGU-20 mL Scintillation vials (N/A) | DG9U-40 mL Amber Unpreserved vials (N/A) | | |
|-------|---|---------------------------------------|---------------------------------------|--|--|-----------------------------------|--|--|---|--|---------------------------------|---|-----------------------------------|----------------------------------|-----------------------------------|--------------------------|------------------------------|----------------------------------|----------------------------|--------------------------------------|--|---|---|---|---|--------------------------------------|--|--|--|
| 1 | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

pH Adjustment Log for Preserved Samples

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

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



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

| | | | | | |
|--|-------------------------------|-----------------------|-----------------------------|------------------|-------------|
| Section A | | Section B | | Section C | |
| Client Information: | Required Project Information: | Invoice Information: | Report To: | Company Name: | Address: |
| Company: Georgia Power - Coal Combustion Residuals | Report To: Lauren Collier | Client: scdmcc@ge.com | Company Name: | Address: | |
| Address: 2400 Manar Road | Copy To: WBP | Project Name: | Plant MCD AP-234 Assessment | Project Manager: | Benjie Yang |
| City: Atlanta, GA 30339 | Purchase Order #: | Project #: | 31402440.MCD23 | Plant Profile #: | |
| State: GA | Plant MCD AP-234 Assessment | Project #: | 31402440.MCD23 | Plant Profile #: | 0A |
| Requested Due Date: 10 Day TAT | | | | | |

| LINE # | MATRIX CODE (See valid codes in list) | SAMPLE TYPE (G-GRAB, C-COMP) | DATE | TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | UNPRESERVED - box | H2SO4 | HNO3 + box | HCl | NH3O3 | MASSCO | LABORATORY | DATE | APPROVED BY / APPLICATION | DATE | TEMP in C | Received on | Cooling | Sealed | (Y/N) | Temp | Samples | |
|--------|---------------------------------------|------------------------------|---------|-------|---------------------------|-----------------|-------------------|-------|------------|-----|-------|--------|------------|------|---------------------------|------|-----------|-------------|---------|--------|-------|------|---------|--|
| 1 | MCD-B-77 | G | 9/12/23 | 11:06 | | 7 | 3 | 3 | 1 | | | | | | | | | | | | | | | |
| 2 | MCD-B-83 | G | 9/12/23 | 13:03 | | 7 | 3 | 3 | 1 | | | | | | | | | | | | | | | |
| 3 | MCD-B-88 | G | 9/12/23 | 14:10 | | 8 | 3 | 5 | 1 | | | | | | | | | | | | | | | |
| 4 | MCD-B-107D | G | 9/12/23 | 8:46 | | 7 | 3 | 3 | 1 | | | | | | | | | | | | | | | |
| 5 | MCD-B-120D | G | 9/12/23 | 8:36 | | 7 | 3 | 3 | 1 | | | | | | | | | | | | | | | |

SAMPLE ID
One Character per box.
(A-Z, 0-9, /, -).
Sample IDs must be unique.

MATRIX CODES:
DWM: Drinking Water
WW: Waste Water
P: Product
S: Surface
W: Water
A: Air
C: Other
T: Time

Handwritten notes:
92686679
019
020
021 Extra Reids
022
023

Additional Comments:
MARK THIS WSP 9/12/23 B36
NY - BATA
WSP 9/12/23



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Meridianville Atlanta Knoxville

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

WO#: 92686679

PM: BV Due Date: 09/21/23

CLIENT: 92-GA Power

Courier: Commercial Fed Ex Pace UPS USPS Other: Client

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 9-14-23

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: IR Gun ID: 0573 Type of Ice: Wet Blue None

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

Temp should be above freezing to 6°C

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

Cooler Temp Corrected (°C): 3.9

USDA Regulated Soil (N/A, water sample)

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

WO#: 92686679

PM: BV

Due Date: 09/21/23

CLIENT: 92-GA Power

| Item# | BP4U-125 mL Plastic Unpreserved (N/A) (Cl-) | BP3U-250 mL Plastic Unpreserved (N/A) | BP2U-500 mL Plastic Unpreserved (N/A) | BP1U-1 liter Plastic Unpreserved (N/A) | BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-) | BP3N-250 mL plastic HNO3 (pH < 2) | BP4Z-125 mL Plastic ZN Acetate & NaOH (-9) | BP4B-125 mL Plastic NaOH (pH > 12) (Cl-) | WGFU-Wide-mouthed Glass jar Unpreserved | AG1U-1 liter Amber Unpreserved (N/A) (Cl-) | AG1H-1 liter Amber HCl (pH < 2) | AG3U-250 mL Amber Unpreserved (N/A) (Cl-) | AG1S-1 liter Amber H2SO4 (pH < 2) | AG3S-250 mL Amber H2SO4 (pH < 2) | DG94-40 mL Amber NH4Cl (N/A)(Cl-) | DG9H-40 mL VOA HCl (N/A) | VG9T-40 mL VOA Na2S2O3 (N/A) | VG9U-40 mL VOA Unpreserved (N/A) | DG9V-40 mL VOA H3PO4 (N/A) | KP7U-50 mL Plastic Unpreserved (N/A) | V/GK (3 vials per kit)-VPH/Gas kit (N/A) | SP5T-125 mL Sterile Plastic (N/A - lab) | SP2T-250 mL Sterile Plastic (N/A - lab) | BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7) | AG6U-100 mL Amber Unpreserved (N/A) (Cl-) | V5GU-20 mL Scintillation vials (N/A) | DG9U-40 mL Amber Unpreserved vials (N/A) | |
|-------|---|---------------------------------------|---------------------------------------|--|--|-----------------------------------|--|--|---|--|---------------------------------|---|-----------------------------------|----------------------------------|-----------------------------------|--------------------------|------------------------------|----------------------------------|----------------------------|--------------------------------------|--|---|---|---|---|--------------------------------------|--|--|
| 1 | | 2 | 1 | | X | X | X | X | | | | | | | | | | | | | | | | | | | | |
| 2 | | 2 | 1 | | X | X | X | X | | | | | | | | | | | | | | | | | | | | |
| 3 | | 2 | 1 | | X | X | X | X | | | | | | | | | | | | | | | | | | | | |
| 4 | | 2 | 1 | | X | X | X | X | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | X | X | X | X | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | X | X | X | X | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | X | X | X | X | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | X | X | X | X | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | X | X | X | X | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | X | X | X | X | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | X | X | X | X | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | X | X | X | X | | | | | | | | | | | | | | | | | | | | |

pH Adjustment Log for Preserved Samples

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

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



October 04, 2023

Lauren Hartley
Southern Co.
241 Ralph McGill Blvd
NE, Bin 10160
Atlanta, GA 30308

RE: Project: Plant McD AP-1234 Assessment
Pace Project No.: 92686681

Dear Lauren Hartley:

Enclosed are the analytical results for sample(s) received by the laboratory between September 07, 2023 and September 08, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

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

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

Sincerely,

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

Enclosures

cc: Yong Cheng, WSP
Daniela Herrera, Golder
Andrea McClure, WSP
Laura Midkiff, Southern Co.
Dawn Prell, WSP USA E&I Inc_Atlanta



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



CERTIFICATIONS

Project: Plant McD AP-1234 Assessment

Pace Project No.: 92686681

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804

Florida/NELAP Certification #: E87648

North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40

South Carolina Laboratory ID: 99030

South Carolina Certification #: 99030001

Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Plant McD AP-1234 Assessment
Pace Project No.: 92686681

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|-----------|--------|----------------|----------------|
| 92686681001 | MCD-B-100 | Water | 09/06/23 10:10 | 09/07/23 09:00 |
| 92686681002 | MCD-B-62 | Water | 09/07/23 16:36 | 09/08/23 15:50 |

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Plant McD AP-1234 Assessment

Pace Project No.: 92686681

| Lab ID | Sample ID | Method | Analysts | Analytes Reported |
|-------------|-----------|------------------------|----------|-------------------|
| 92686681001 | MCD-B-100 | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | EPA 7470A | BM | 1 |
| | | SM 2320B-2011 | YEG | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | JCM | 3 |
| 92686681002 | MCD-B-62 | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | CDC | 3 |

PASI-A = Pace Analytical Services - Asheville

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



ANALYTICAL RESULTS

Project: Plant McD AP-1234 Assessment

Pace Project No.: 92686681

| Sample: MCD-B-100 | | Lab ID: 92686681001 | | Collected: 09/06/23 10:10 | | Received: 09/07/23 09:00 | | Matrix: Water | | |
|-------------------------------------|----------|--|---------|---------------------------|----|--------------------------|----------------|---------------|------|--|
| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual | |
| | | | Limit | MDL | DF | | | | | |
| 6010D ATL ICP | | Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Iron | 21.7 | mg/L | 0.040 | 0.025 | 1 | 09/09/23 08:25 | 09/11/23 21:54 | 7439-89-6 | | |
| Potassium | 1.3 | mg/L | 0.50 | 0.15 | 1 | 09/09/23 08:25 | 09/11/23 21:54 | 7440-09-7 | | |
| Sodium | 28.1 | mg/L | 1.0 | 0.58 | 1 | 09/09/23 08:25 | 09/11/23 21:54 | 7440-23-5 | | |
| Calcium | 49.9 | mg/L | 1.0 | 0.12 | 1 | 09/09/23 08:25 | 09/11/23 21:54 | 7440-70-2 | | |
| Magnesium | 46.9 | mg/L | 0.050 | 0.012 | 1 | 09/09/23 08:25 | 09/11/23 21:54 | 7439-95-4 | | |
| 6020 MET ICPMS | | Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/09/23 08:50 | 09/13/23 13:54 | 7440-36-0 | | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/09/23 08:50 | 09/13/23 13:54 | 7440-38-2 | | |
| Barium | 0.021 | mg/L | 0.0050 | 0.00067 | 1 | 09/09/23 08:50 | 09/13/23 13:54 | 7440-39-3 | | |
| Beryllium | 0.00054 | mg/L | 0.00050 | 0.000054 | 1 | 09/09/23 08:50 | 09/13/23 13:54 | 7440-41-7 | | |
| Boron | 0.24 | mg/L | 0.040 | 0.0086 | 1 | 09/09/23 08:50 | 09/13/23 13:54 | 7440-42-8 | | |
| Cadmium | 0.00035J | mg/L | 0.00050 | 0.00011 | 1 | 09/09/23 08:50 | 09/13/23 13:54 | 7440-43-9 | | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/09/23 08:50 | 09/13/23 13:54 | 7440-47-3 | | |
| Cobalt | 0.031 | mg/L | 0.0050 | 0.00039 | 1 | 09/09/23 08:50 | 09/13/23 13:54 | 7440-48-4 | | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/09/23 08:50 | 09/13/23 13:54 | 7439-92-1 | | |
| Lithium | 0.0023J | mg/L | 0.030 | 0.00073 | 1 | 09/09/23 08:50 | 09/13/23 13:54 | 7439-93-2 | | |
| Molybdenum | ND | mg/L | 0.010 | 0.00074 | 1 | 09/09/23 08:50 | 09/13/23 13:54 | 7439-98-7 | | |
| Selenium | ND | mg/L | 0.0050 | 0.0014 | 1 | 09/09/23 08:50 | 09/13/23 13:54 | 7782-49-2 | | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/09/23 08:50 | 09/13/23 13:54 | 7440-28-0 | | |
| 2540C Total Dissolved Solids | | Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Total Dissolved Solids | 641 | mg/L | 25.0 | 25.0 | 1 | | 09/11/23 13:31 | | | |
| 7470 Mercury | | Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00012 | 1 | 09/19/23 17:10 | 09/20/23 14:10 | 7439-97-6 | | |
| 2320B Alkalinity | | Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/11/23 16:48 | | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/11/23 16:48 | | | |
| Alkalinity, Total as CaCO3 | ND | mg/L | 5.0 | 5.0 | 1 | | 09/11/23 16:48 | | | |
| 4500S2D Sulfide Water | | Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/09/23 04:37 | 18496-25-8 | | |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | | |
| Chloride | 10.0 | mg/L | 1.0 | 0.60 | 1 | | 09/09/23 22:44 | 16887-00-6 | | |
| Fluoride | ND | mg/L | 0.10 | 0.050 | 1 | | 09/09/23 22:44 | 16984-48-8 | | |

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ANALYTICAL RESULTS

Project: Plant McD AP-1234 Assessment

Pace Project No.: 92686681

| Sample: MCD-B-100 | | Lab ID: 92686681001 | | Collected: 09/06/23 10:10 | Received: 09/07/23 09:00 | Matrix: Water | | | |
|--------------------------------|------------|---|--------------|---------------------------|--------------------------|---------------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | |
| Sulfate | 322 | mg/L | 7.0 | 3.5 | 7 | | 09/10/23 06:21 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-1234 Assessment

Pace Project No.: 92686681

Sample: MCD-B-62 **Lab ID: 92686681002** Collected: 09/07/23 16:36 Received: 09/08/23 15:50 Matrix: Water

| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual |
|---|----------|-------|---------|----------|----|----------------|----------------|------------|------|
| | | | Limit | MDL | DF | | | | |
| 6010D ATL ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Iron | 5.0 | mg/L | 0.040 | 0.025 | 1 | 09/11/23 11:12 | 09/13/23 12:36 | 7439-89-6 | |
| Potassium | 2.4 | mg/L | 0.50 | 0.15 | 1 | 09/11/23 11:12 | 09/13/23 12:36 | 7440-09-7 | |
| Sodium | 10.1 | mg/L | 1.0 | 0.58 | 1 | 09/11/23 11:12 | 09/13/23 12:36 | 7440-23-5 | |
| Calcium | 35.1 | mg/L | 1.0 | 0.12 | 1 | 09/11/23 11:12 | 09/13/23 12:36 | 7440-70-2 | |
| Magnesium | 5.1 | mg/L | 0.050 | 0.012 | 1 | 09/11/23 11:12 | 09/13/23 12:36 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/11/23 14:11 | 09/14/23 18:19 | 7440-36-0 | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/11/23 14:11 | 09/14/23 18:19 | 7440-38-2 | |
| Barium | 0.015 | mg/L | 0.0050 | 0.00067 | 1 | 09/11/23 14:11 | 09/14/23 18:19 | 7440-39-3 | |
| Beryllium | 0.00011J | mg/L | 0.00050 | 0.000054 | 1 | 09/11/23 14:11 | 09/14/23 18:19 | 7440-41-7 | |
| Boron | 0.071 | mg/L | 0.040 | 0.0086 | 1 | 09/11/23 14:11 | 09/14/23 18:19 | 7440-42-8 | |
| Cadmium | ND | mg/L | 0.00050 | 0.00011 | 1 | 09/11/23 14:11 | 09/14/23 18:19 | 7440-43-9 | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/11/23 14:11 | 09/14/23 18:19 | 7440-47-3 | |
| Cobalt | ND | mg/L | 0.0050 | 0.00039 | 1 | 09/11/23 14:11 | 09/14/23 18:19 | 7440-48-4 | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/11/23 14:11 | 09/14/23 18:19 | 7439-92-1 | |
| Lithium | 0.0092J | mg/L | 0.030 | 0.00073 | 1 | 09/11/23 14:11 | 09/14/23 18:19 | 7439-93-2 | |
| Molybdenum | ND | mg/L | 0.010 | 0.00074 | 1 | 09/11/23 14:11 | 09/15/23 19:14 | 7439-98-7 | |
| Selenium | ND | mg/L | 0.0050 | 0.0014 | 1 | 09/11/23 14:11 | 09/14/23 18:19 | 7782-49-2 | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/11/23 14:11 | 09/14/23 18:19 | 7440-28-0 | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470A Preparation Method: EPA 7470A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 10/02/23 12:15 | 10/02/23 16:46 | 7439-97-6 | |
| 2540C Total Dissolved Solids | | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Total Dissolved Solids | 181 | mg/L | 25.0 | 25.0 | 1 | | 09/12/23 11:44 | | |
| 2320B Alkalinity | | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | 75.7 | mg/L | 5.0 | 5.0 | 1 | | 09/12/23 17:28 | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/12/23 17:28 | | |
| Alkalinity, Total as CaCO3 | 75.7 | mg/L | 5.0 | 5.0 | 1 | | 09/12/23 17:28 | | |
| 4500S2D Sulfide Water | | | | | | | | | |
| Analytical Method: SM 4500-S2D-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/13/23 02:30 | 18496-25-8 | |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Chloride | 5.4 | mg/L | 1.0 | 0.60 | 1 | | 09/12/23 18:06 | 16887-00-6 | |
| Fluoride | 0.13 | mg/L | 0.10 | 0.050 | 1 | | 09/12/23 18:06 | 16984-48-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-1234 Assessment

Pace Project No.: 92686681

| Sample: MCD-B-62 | | Lab ID: 92686681002 | | Collected: 09/07/23 16:36 | | Received: 09/08/23 15:50 | | Matrix: Water | |
|--------------------------------|-------------|---|--------------|---------------------------|----|--------------------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | |
| Sulfate | 49.3 | mg/L | 1.0 | 0.50 | 1 | | 09/12/23 18:06 | 14808-79-8 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-1234 Assessment

Pace Project No.: 92686681

| | | | |
|------------------|-----------|-----------------------|--|
| QC Batch: | 798622 | Analysis Method: | EPA 6010D |
| QC Batch Method: | EPA 3010A | Analysis Description: | 6010D ATL |
| | | Laboratory: | Pace Analytical Services - Peachtree Corners, GA |

Associated Lab Samples: 92686681001

METHOD BLANK: 4136598 Matrix: Water

Associated Lab Samples: 92686681001

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|-------|----------------|------------|
| Calcium | mg/L | ND | 1.0 | 0.12 | 09/11/23 20:25 | |
| Iron | mg/L | ND | 0.040 | 0.025 | 09/11/23 20:25 | |
| Magnesium | mg/L | ND | 0.050 | 0.012 | 09/11/23 20:25 | |
| Potassium | mg/L | ND | 0.50 | 0.15 | 09/11/23 20:25 | |
| Sodium | mg/L | ND | 1.0 | 0.58 | 09/11/23 20:25 | |

LABORATORY CONTROL SAMPLE: 4136599

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Calcium | mg/L | 1 | 1.0 | 104 | 80-120 | |
| Iron | mg/L | 1 | 1.1 | 106 | 80-120 | |
| Magnesium | mg/L | 1 | 1.1 | 106 | 80-120 | |
| Potassium | mg/L | 1 | 1.0 | 103 | 80-120 | |
| Sodium | mg/L | 1 | 0.99J | 99 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4136986 4136987

| Parameter | Units | MS | | MSD | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|-------------|-------------|-------------|--------|----------|-----------|--------------|--------|---------|-------|
| | | 92686676002 | Spike Conc. | Spike Conc. | Result | | | | | | |
| Calcium | mg/L | 7.0 | 1 | 1 | 8.2 | 7.6 | 115 | 58 | 75-125 | 7 | 20 M1 |
| Iron | mg/L | 0.091 | 1 | 1 | 1.2 | 1.1 | 108 | 106 | 75-125 | 2 | 20 |
| Magnesium | mg/L | 0.98 | 1 | 1 | 2.1 | 2.0 | 108 | 101 | 75-125 | 4 | 20 |
| Potassium | mg/L | 0.77 | 1 | 1 | 1.8 | 1.8 | 104 | 101 | 75-125 | 1 | 20 |
| Sodium | mg/L | 8.8 | 1 | 1 | 9.9 | 9.2 | 117 | 42 | 75-125 | 8 | 20 M1 |

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QUALITY CONTROL DATA

Project: Plant McD AP-1234 Assessment

Pace Project No.: 92686681

| | | | |
|------------------|-----------|-----------------------|--|
| QC Batch: | 798869 | Analysis Method: | EPA 6010D |
| QC Batch Method: | EPA 3010A | Analysis Description: | 6010D ATL |
| | | Laboratory: | Pace Analytical Services - Peachtree Corners, GA |

Associated Lab Samples: 92686681002

METHOD BLANK: 4137528 Matrix: Water

Associated Lab Samples: 92686681002

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|-------|----------------|------------|
| Calcium | mg/L | ND | 1.0 | 0.12 | 09/13/23 10:22 | |
| Iron | mg/L | ND | 0.040 | 0.025 | 09/13/23 10:22 | |
| Magnesium | mg/L | ND | 0.050 | 0.012 | 09/13/23 10:22 | |
| Potassium | mg/L | ND | 0.50 | 0.15 | 09/13/23 10:22 | |
| Sodium | mg/L | ND | 1.0 | 0.58 | 09/13/23 10:22 | |

LABORATORY CONTROL SAMPLE: 4137529

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Calcium | mg/L | 1 | 1.0J | 100 | 80-120 | |
| Iron | mg/L | 1 | 1.0 | 100 | 80-120 | |
| Magnesium | mg/L | 1 | 1.0 | 102 | 80-120 | |
| Potassium | mg/L | 1 | 0.92 | 92 | 80-120 | |
| Sodium | mg/L | 1 | 0.96J | 96 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4137530 4137531

| Parameter | Units | MS | | MSD | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|--------------------|-------------|-------------|--------|----------|-----------|--------------|--------|---------|-------|
| | | 92686941001 Result | Spike Conc. | Spike Conc. | Result | | | | | | |
| Calcium | mg/L | 71.8 | 1 | 1 | 68.4 | 71.2 | -338 | -59 | 75-125 | 4 | 20 M1 |
| Iron | mg/L | 2.1 | 1 | 1 | 3.0 | 3.0 | 86 | 93 | 75-125 | 2 | 20 |
| Magnesium | mg/L | 24.6 | 1 | 1 | 24.1 | 25.0 | -53 | 33 | 75-125 | 4 | 20 M1 |
| Potassium | mg/L | 8.2 | 1 | 1 | 8.7 | 9.1 | 42 | 82 | 75-125 | 5 | 20 M1 |
| Sodium | mg/L | 20.0 | 1 | 1 | 19.8 | 20.6 | -19 | 59 | 75-125 | 4 | 20 M1 |

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QUALITY CONTROL DATA

Project: Plant McD AP-1234 Assessment

Pace Project No.: 92686681

| | | | |
|------------------|-----------|-----------------------|--|
| QC Batch: | 798623 | Analysis Method: | EPA 6020B |
| QC Batch Method: | EPA 3005A | Analysis Description: | 6020 MET |
| | | Laboratory: | Pace Analytical Services - Peachtree Corners, GA |

Associated Lab Samples: 92686681001

METHOD BLANK: 4136603 Matrix: Water

Associated Lab Samples: 92686681001

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|------------|-------|--------------|-----------------|----------|----------------|------------|
| Antimony | mg/L | ND | 0.0030 | 0.0012 | 09/13/23 12:38 | |
| Arsenic | mg/L | ND | 0.0050 | 0.0037 | 09/13/23 12:38 | |
| Barium | mg/L | ND | 0.0050 | 0.00067 | 09/14/23 16:38 | |
| Beryllium | mg/L | ND | 0.00050 | 0.000054 | 09/13/23 12:38 | |
| Boron | mg/L | ND | 0.040 | 0.0086 | 09/13/23 12:38 | |
| Cadmium | mg/L | ND | 0.00050 | 0.00011 | 09/13/23 12:38 | |
| Chromium | mg/L | ND | 0.0050 | 0.0011 | 09/13/23 12:38 | |
| Cobalt | mg/L | ND | 0.0050 | 0.00039 | 09/13/23 12:38 | |
| Lead | mg/L | ND | 0.0010 | 0.00012 | 09/13/23 12:38 | |
| Lithium | mg/L | ND | 0.030 | 0.00073 | 09/13/23 12:38 | |
| Molybdenum | mg/L | ND | 0.010 | 0.00074 | 09/13/23 12:38 | |
| Selenium | mg/L | ND | 0.0050 | 0.0014 | 09/13/23 12:38 | |
| Thallium | mg/L | ND | 0.0010 | 0.00018 | 09/13/23 12:38 | |

LABORATORY CONTROL SAMPLE: 4136604

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------|-------|-------------|------------|-----------|--------------|------------|
| Antimony | mg/L | 0.1 | 0.11 | 107 | 80-120 | |
| Arsenic | mg/L | 0.1 | 0.097 | 97 | 80-120 | |
| Barium | mg/L | 0.1 | 0.098 | 98 | 80-120 | |
| Beryllium | mg/L | 0.1 | 0.097 | 97 | 80-120 | |
| Boron | mg/L | 1 | 0.99 | 99 | 80-120 | |
| Cadmium | mg/L | 0.1 | 0.10 | 100 | 80-120 | |
| Chromium | mg/L | 0.1 | 0.10 | 102 | 80-120 | |
| Cobalt | mg/L | 0.1 | 0.10 | 101 | 80-120 | |
| Lead | mg/L | 0.1 | 0.099 | 99 | 80-120 | |
| Lithium | mg/L | 0.1 | 0.099 | 99 | 80-120 | |
| Molybdenum | mg/L | 0.1 | 0.10 | 105 | 80-120 | |
| Selenium | mg/L | 0.1 | 0.099 | 99 | 80-120 | |
| Thallium | mg/L | 0.1 | 0.096 | 96 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4136605 4136606

| Parameter | Units | MS | | MSD | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|-------------|--------|-------|-------|----------|-----------|--------------|--------|---------|------|
| | | 92686676001 | Result | Conc. | Conc. | | | | | | |
| Antimony | mg/L | ND | 0.1 | 0.1 | 0.10 | 0.10 | 104 | 105 | 75-125 | 1 | 20 |
| Arsenic | mg/L | ND | 0.1 | 0.1 | 0.098 | 0.099 | 98 | 98 | 75-125 | 1 | 20 |

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QUALITY CONTROL DATA

Project: Plant McD AP-1234 Assessment

Pace Project No.: 92686681

| Parameter | Units | 4136605 | | 4136606 | | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|------------|-------|-----------------------|----------------------|-----------------------|--------------|--------------|---------------|-------------|--------------|-----------------|-----|------------|------|
| | | 92686676001 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | | | | | | | | |
| Barium | mg/L | 0.041 | 0.1 | 0.1 | 0.15 | 0.15 | 105 | 107 | 75-125 | 2 | 20 | | |
| Beryllium | mg/L | 0.00012J | 0.1 | 0.1 | 0.098 | 0.097 | 98 | 97 | 75-125 | 1 | 20 | | |
| Boron | mg/L | 0.012J | 1 | 1 | 1.0 | 1.0 | 102 | 102 | 75-125 | 0 | 20 | | |
| Cadmium | mg/L | ND | 0.1 | 0.1 | 0.099 | 0.10 | 99 | 102 | 75-125 | 3 | 20 | | |
| Chromium | mg/L | ND | 0.1 | 0.1 | 0.10 | 0.10 | 102 | 104 | 75-125 | 2 | 20 | | |
| Cobalt | mg/L | ND | 0.1 | 0.1 | 0.10 | 0.10 | 102 | 104 | 75-125 | 2 | 20 | | |
| Lead | mg/L | ND | 0.1 | 0.1 | 0.098 | 0.098 | 97 | 98 | 75-125 | 1 | 20 | | |
| Lithium | mg/L | ND | 0.1 | 0.1 | 0.098 | 0.096 | 97 | 96 | 75-125 | 2 | 20 | | |
| Molybdenum | mg/L | ND | 0.1 | 0.1 | 0.10 | 0.10 | 100 | 102 | 75-125 | 2 | 20 | | |
| Selenium | mg/L | ND | 0.1 | 0.1 | 0.098 | 0.10 | 98 | 99 | 75-125 | 2 | 20 | | |
| Thallium | mg/L | 0.00053J | 0.1 | 0.1 | 0.095 | 0.095 | 94 | 95 | 75-125 | 0 | 20 | | |

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QUALITY CONTROL DATA

Project: Plant McD AP-1234 Assessment

Pace Project No.: 92686681

| | | | |
|------------------|-----------|-----------------------|--|
| QC Batch: | 798903 | Analysis Method: | EPA 6020B |
| QC Batch Method: | EPA 3005A | Analysis Description: | 6020 MET |
| | | Laboratory: | Pace Analytical Services - Peachtree Corners, GA |

Associated Lab Samples: 92686681002

METHOD BLANK: 4137724 Matrix: Water

Associated Lab Samples: 92686681002

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|------------|-------|--------------|-----------------|----------|----------------|------------|
| Antimony | mg/L | ND | 0.0030 | 0.0012 | 09/14/23 16:50 | |
| Arsenic | mg/L | ND | 0.0050 | 0.0037 | 09/14/23 16:50 | |
| Barium | mg/L | ND | 0.0050 | 0.00067 | 09/14/23 16:50 | |
| Beryllium | mg/L | ND | 0.00050 | 0.000054 | 09/14/23 16:50 | |
| Boron | mg/L | ND | 0.040 | 0.0086 | 09/14/23 16:50 | |
| Cadmium | mg/L | ND | 0.00050 | 0.00011 | 09/14/23 16:50 | |
| Chromium | mg/L | ND | 0.0050 | 0.0011 | 09/14/23 16:50 | |
| Cobalt | mg/L | ND | 0.0050 | 0.00039 | 09/14/23 16:50 | |
| Lead | mg/L | ND | 0.0010 | 0.00012 | 09/14/23 16:50 | |
| Lithium | mg/L | ND | 0.030 | 0.00073 | 09/14/23 16:50 | |
| Molybdenum | mg/L | ND | 0.010 | 0.00074 | 09/14/23 16:50 | |
| Selenium | mg/L | ND | 0.0050 | 0.0014 | 09/14/23 16:50 | |
| Thallium | mg/L | ND | 0.0010 | 0.00018 | 09/14/23 16:50 | |

LABORATORY CONTROL SAMPLE: 4137725

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------|-------|-------------|------------|-----------|--------------|------------|
| Antimony | mg/L | 0.1 | 0.11 | 109 | 80-120 | |
| Arsenic | mg/L | 0.1 | 0.10 | 102 | 80-120 | |
| Barium | mg/L | 0.1 | 0.10 | 102 | 80-120 | |
| Beryllium | mg/L | 0.1 | 0.098 | 98 | 80-120 | |
| Boron | mg/L | 1 | 0.99 | 99 | 80-120 | |
| Cadmium | mg/L | 0.1 | 0.10 | 102 | 80-120 | |
| Chromium | mg/L | 0.1 | 0.10 | 102 | 80-120 | |
| Cobalt | mg/L | 0.1 | 0.10 | 101 | 80-120 | |
| Lead | mg/L | 0.1 | 0.099 | 99 | 80-120 | |
| Lithium | mg/L | 0.1 | 0.10 | 101 | 80-120 | |
| Molybdenum | mg/L | 0.1 | 0.10 | 101 | 80-120 | |
| Selenium | mg/L | 0.1 | 0.10 | 102 | 80-120 | |
| Thallium | mg/L | 0.1 | 0.097 | 97 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4137726 4137727

| Parameter | Units | MS Result | MSD | | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|-----------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| | | | MS Spike Conc. | MSD Spike Conc. | | | | | | | | |
| Antimony | mg/L | ND | 0.1 | 0.1 | 0.11 | 0.10 | 110 | 104 | 75-125 | 6 | 20 | |
| Arsenic | mg/L | ND | 0.1 | 0.1 | 0.11 | 0.099 | 106 | 99 | 75-125 | 7 | 20 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-1234 Assessment

Pace Project No.: 92686681

| Parameter | Units | 4137726 | | 4137727 | | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|------------|-------|-----------------------|----------------------|-----------------------|--------------|--------------|---------------|-------------|--------------|-----------------|-----|------------|------|
| | | 92686941002 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | | | | | | | | |
| Barium | mg/L | 0.0027J | 0.1 | 0.1 | 0.11 | 0.10 | 105 | 100 | 75-125 | 5 | 20 | | |
| Beryllium | mg/L | ND | 0.1 | 0.1 | 0.10 | 0.097 | 100 | 97 | 75-125 | 4 | 20 | | |
| Boron | mg/L | 0.24 | 1 | 1 | 1.3 | 1.2 | 103 | 99 | 75-125 | 3 | 20 | | |
| Cadmium | mg/L | ND | 0.1 | 0.1 | 0.11 | 0.10 | 107 | 100 | 75-125 | 6 | 20 | | |
| Chromium | mg/L | ND | 0.1 | 0.1 | 0.10 | 0.094 | 102 | 93 | 75-125 | 8 | 20 | | |
| Cobalt | mg/L | 0.00040J | 0.1 | 0.1 | 0.10 | 0.094 | 101 | 94 | 75-125 | 8 | 20 | | |
| Lead | mg/L | ND | 0.1 | 0.1 | 0.095 | 0.091 | 95 | 91 | 75-125 | 4 | 20 | | |
| Lithium | mg/L | 0.0043J | 0.1 | 0.1 | 0.10 | 0.099 | 100 | 94 | 75-125 | 6 | 20 | | |
| Molybdenum | mg/L | 0.026 | 0.1 | 0.1 | 0.13 | 0.12 | 105 | 97 | 75-125 | 6 | 20 | | |
| Selenium | mg/L | ND | 0.1 | 0.1 | 0.10 | 0.098 | 104 | 98 | 75-125 | 6 | 20 | | |
| Thallium | mg/L | ND | 0.1 | 0.1 | 0.092 | 0.089 | 92 | 89 | 75-125 | 4 | 20 | | |

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QUALITY CONTROL DATA

Project: Plant McD AP-1234 Assessment

Pace Project No.: 92686681

| | |
|----------------------------|--|
| QC Batch: 803461 | Analysis Method: EPA 7470A |
| QC Batch Method: EPA 7470A | Analysis Description: 7470 Mercury |
| | Laboratory: Pace Analytical Services - Peachtree Corners, GA |

Associated Lab Samples: 92686681002

METHOD BLANK: 4161104 Matrix: Water

Associated Lab Samples: 92686681002

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|---------|----------------|------------|
| Mercury | mg/L | ND | 0.00020 | 0.00013 | 10/02/23 16:27 | |

LABORATORY CONTROL SAMPLE: 4161105

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Mercury | mg/L | 0.0025 | 0.0026 | 103 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4161106 4161107

| Parameter | Units | 4161106 | | 4161107 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|-------------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| | | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | | | | | | |
| Mercury | mg/L | 92686676003 ND | 0.0025 | 0.0025 | 0.0027 | 104 | 101 | 75-125 | 3 | 20 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-1234 Assessment

Pace Project No.: 92686681

| | | | |
|-------------------------|---------------|-----------------------|--|
| QC Batch: | 798883 | Analysis Method: | SM 2540C-2015 |
| QC Batch Method: | SM 2540C-2015 | Analysis Description: | 2540C Total Dissolved Solids |
| Associated Lab Samples: | 92686681001 | Laboratory: | Pace Analytical Services - Peachtree Corners, GA |

METHOD BLANK: 4137624 Matrix: Water
 Associated Lab Samples: 92686681001

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|------------------------|-------|--------------|-----------------|------|----------------|------------|
| Total Dissolved Solids | mg/L | ND | 25.0 | 25.0 | 09/11/23 13:25 | |

LABORATORY CONTROL SAMPLE: 4137625

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------------------|-------|-------------|------------|-----------|--------------|------------|
| Total Dissolved Solids | mg/L | 400 | 427 | 107 | 80-120 | |

SAMPLE DUPLICATE: 4137626

| Parameter | Units | 92686830001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------------|-------|--------------------|------------|-----|---------|------------|
| Total Dissolved Solids | mg/L | 1540 | 1500 | 3 | 10 | |

SAMPLE DUPLICATE: 4137627

| Parameter | Units | 92686679004 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------------|-------|--------------------|------------|-----|---------|------------|
| Total Dissolved Solids | mg/L | 207 | 174 | 17 | 10 | D6 |

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QUALITY CONTROL DATA

Project: Plant McD AP-1234 Assessment

Pace Project No.: 92686681

| | | | |
|------------------|---------------|-----------------------|--|
| QC Batch: | 799142 | Analysis Method: | SM 2540C-2015 |
| QC Batch Method: | SM 2540C-2015 | Analysis Description: | 2540C Total Dissolved Solids |
| | | Laboratory: | Pace Analytical Services - Peachtree Corners, GA |

Associated Lab Samples: 92686681002

METHOD BLANK: 4138899 Matrix: Water

Associated Lab Samples: 92686681002

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|------------------------|-------|--------------|-----------------|------|----------------|------------|
| Total Dissolved Solids | mg/L | ND | 25.0 | 25.0 | 09/12/23 11:42 | |

LABORATORY CONTROL SAMPLE: 4138900

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------------------|-------|-------------|------------|-----------|--------------|------------|
| Total Dissolved Solids | mg/L | 400 | 394 | 98 | 80-120 | |

SAMPLE DUPLICATE: 4138901

| Parameter | Units | 92686677006 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------------|-------|--------------------|------------|-----|---------|------------|
| Total Dissolved Solids | mg/L | 253 | 259 | 2 | 10 | |

SAMPLE DUPLICATE: 4138902

| Parameter | Units | 92687108002 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------------|-------|--------------------|------------|-----|---------|------------|
| Total Dissolved Solids | mg/L | 100 | 101 | 1 | 10 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-1234 Assessment

Pace Project No.: 92686681

| | |
|----------------------------|--|
| QC Batch: 800476 | Analysis Method: EPA 7470A |
| QC Batch Method: EPA 7470A | Analysis Description: 7470 Mercury |
| | Laboratory: Pace Analytical Services - Asheville |

Associated Lab Samples: 92686681001

METHOD BLANK: 4146097 Matrix: Water

Associated Lab Samples: 92686681001

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|---------|----------------|------------|
| Mercury | mg/L | ND | 0.00020 | 0.00012 | 09/20/23 13:34 | |

LABORATORY CONTROL SAMPLE: 4146098

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Mercury | mg/L | 0.0025 | 0.0020 | 81 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4146099 4146100

| Parameter | Units | 4146099 | | 4146100 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|-------------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| | | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | | | | | | |
| Mercury | mg/L | 92686676001 ND | 0.0025 | 0.0025 | 0.0025 | 100 | 95 | 75-125 | 5 | 25 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-1234 Assessment

Pace Project No.: 92686681

QC Batch: 798846

Analysis Method: SM 2320B-2011

QC Batch Method: SM 2320B-2011

Analysis Description: 2320B Alkalinity

Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92686681001

METHOD BLANK: 4137453

Matrix: Water

Associated Lab Samples: 92686681001

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|--------------------------------|-------|--------------|-----------------|-----|----------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | ND | 5.0 | 5.0 | 09/11/23 15:34 | |
| Alkalinity,Bicarbonate (CaCO3) | mg/L | ND | 5.0 | 5.0 | 09/11/23 15:34 | |
| Alkalinity,Carbonate (CaCO3) | mg/L | ND | 5.0 | 5.0 | 09/11/23 15:34 | |

LABORATORY CONTROL SAMPLE: 4137454

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | 50 | 50.9 | 102 | 80-120 | |

LABORATORY CONTROL SAMPLE: 4137455

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | 50 | 50.6 | 101 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4137456 4137457

| Parameter | Units | 4137456 | | 4137457 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|----------------------------|-------|----------------|-----------------|-----------|------------|----------|-----------|--------------|--------|---------|------|
| | | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | | | | | | |
| Alkalinity, Total as CaCO3 | mg/L | 9.5 | 50 | 50 | 60.9 | 61.8 | 103 | 105 | 80-120 | 1 | 25 |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4137458 4137459

| Parameter | Units | 4137458 | | 4137459 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|----------------------------|-------|----------------|-----------------|-----------|------------|----------|-----------|--------------|--------|---------|------|
| | | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | | | | | | |
| Alkalinity, Total as CaCO3 | mg/L | 15.3 | 50 | 50 | 67.7 | 68.0 | 105 | 105 | 80-120 | 0 | 25 |

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QUALITY CONTROL DATA

Project: Plant McD AP-1234 Assessment

Pace Project No.: 92686681

| | | | |
|------------------|---------------|-----------------------|--------------------------------------|
| QC Batch: | 799173 | Analysis Method: | SM 2320B-2011 |
| QC Batch Method: | SM 2320B-2011 | Analysis Description: | 2320B Alkalinity |
| | | Laboratory: | Pace Analytical Services - Asheville |

Associated Lab Samples: 92686681002

METHOD BLANK: 4139096 Matrix: Water
Associated Lab Samples: 92686681002

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|--------------------------------|-------|--------------|-----------------|-----|----------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | ND | 5.0 | 5.0 | 09/12/23 15:04 | |
| Alkalinity,Bicarbonate (CaCO3) | mg/L | ND | 5.0 | 5.0 | 09/12/23 15:04 | |
| Alkalinity,Carbonate (CaCO3) | mg/L | ND | 5.0 | 5.0 | 09/12/23 15:04 | |

LABORATORY CONTROL SAMPLE: 4139097

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | 50 | 51.0 | 102 | 80-120 | |

LABORATORY CONTROL SAMPLE: 4139098

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | 50 | 50.9 | 102 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4139099 4139100

| Parameter | Units | 92686679012 | | 4139100 | | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|----------------------------|-------|-------------|-----------------|----------------|------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| | | MS Result | MSD Spike Conc. | MS Spike Conc. | MSD Result | | | | | | | | |
| Alkalinity, Total as CaCO3 | mg/L | ND | 50 | 50 | 51.2 | 51.0 | 102 | 102 | 80-120 | 0 | 25 | | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4139101 4139102

| Parameter | Units | 92686677009 | | 4139102 | | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|----------------------------|-------|-------------|-----------------|----------------|------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| | | MS Result | MSD Spike Conc. | MS Spike Conc. | MSD Result | | | | | | | | |
| Alkalinity, Total as CaCO3 | mg/L | 96.9 | 50 | 50 | 148 | 148 | 103 | 102 | 80-120 | 0 | 25 | | |

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QUALITY CONTROL DATA

Project: Plant McD AP-1234 Assessment

Pace Project No.: 92686681

| | |
|-----------------------------------|--|
| QC Batch: 798662 | Analysis Method: SM 4500-S2D-2011 |
| QC Batch Method: SM 4500-S2D-2011 | Analysis Description: 4500S2D Sulfide Water |
| | Laboratory: Pace Analytical Services - Asheville |

Associated Lab Samples: 92686681001

METHOD BLANK: 4136899 Matrix: Water

Associated Lab Samples: 92686681001

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|-------|----------------|------------|
| Sulfide | mg/L | ND | 0.10 | 0.022 | 09/09/23 04:31 | |

LABORATORY CONTROL SAMPLE: 4136900

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Sulfide | mg/L | 0.5 | 0.52 | 104 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4136901 4136902

| Parameter | Units | 92686676001 | | 4136901 | | 4136902 | | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|-------------|------------|-----------|------------|-----------|------------|--------------|--------|---------|------|
| | | MS Result | MSD Result | MS Result | MSD Result | MS Result | MSD Result | | | | |
| Sulfide | mg/L | ND | 0.5 | 0.5 | 0.54 | 0.56 | 106 | 111 | 80-120 | 5 | 10 |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4136903 4136904

| Parameter | Units | 92686861001 | | 4136903 | | 4136904 | | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|-------------|------------|-----------|------------|-----------|------------|--------------|--------|---------|-------|
| | | MS Result | MSD Result | MS Result | MSD Result | MS Result | MSD Result | | | | |
| Sulfide | mg/L | ND | 0.5 | 0.5 | 0.38 | 0.37 | 76 | 75 | 80-120 | 2 | 10 M1 |

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QUALITY CONTROL DATA

Project: Plant McD AP-1234 Assessment

Pace Project No.: 92686681

QC Batch: 799296

Analysis Method: SM 4500-S2D-2011

QC Batch Method: SM 4500-S2D-2011

Analysis Description: 4500S2D Sulfide Water

Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92686681002

METHOD BLANK: 4140098

Matrix: Water

Associated Lab Samples: 92686681002

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|-------|----------------|------------|
| Sulfide | mg/L | ND | 0.10 | 0.022 | 09/13/23 02:23 | |

LABORATORY CONTROL SAMPLE: 4140099

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Sulfide | mg/L | 0.5 | 0.52 | 104 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4140102 4140103

| Parameter | Units | 92686679007 | | 4140102 | | 4140103 | | % Rec Limits | RPD | Max RPD | Qual | |
|-----------|-------|-------------|------------|----------------|-----------------|-----------|------------|--------------|--------|---------|------|----------|
| | | MS Result | MSD Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | | | | | MS % Rec |
| Sulfide | mg/L | ND | 0.5 | 0.5 | 0.44 | 0.43 | 87 | 85 | 80-120 | 1 | 10 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4140133 4140134

| Parameter | Units | 92686941002 | | 4140133 | | 4140134 | | % Rec Limits | RPD | Max RPD | Qual | |
|-----------|-------|-------------|------------|----------------|-----------------|-----------|------------|--------------|--------|---------|------|----------|
| | | MS Result | MSD Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | | | | | MS % Rec |
| Sulfide | mg/L | ND | 0.5 | 0.5 | 0.52 | 0.49 | 104 | 97 | 80-120 | 7 | 10 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-1234 Assessment

Pace Project No.: 92686681

| | | | |
|------------------|------------------------|-----------------------|--------------------------------------|
| QC Batch: | 798688 | Analysis Method: | EPA 300.0 Rev 2.1 1993 |
| QC Batch Method: | EPA 300.0 Rev 2.1 1993 | Analysis Description: | 300.0 IC Anions |
| | | Laboratory: | Pace Analytical Services - Asheville |

Associated Lab Samples: 92686681001

METHOD BLANK: 4136959 Matrix: Water
 Associated Lab Samples: 92686681001

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|-------|----------------|------------|
| Chloride | mg/L | ND | 1.0 | 0.60 | 09/09/23 21:04 | |
| Fluoride | mg/L | ND | 0.10 | 0.050 | 09/09/23 21:04 | |
| Sulfate | mg/L | ND | 1.0 | 0.50 | 09/09/23 21:04 | |

LABORATORY CONTROL SAMPLE: 4136960

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Chloride | mg/L | 50 | 50.5 | 101 | 90-110 | |
| Fluoride | mg/L | 2.5 | 2.5 | 101 | 90-110 | |
| Sulfate | mg/L | 50 | 50.6 | 101 | 90-110 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4136961 4136962

| Parameter | Units | 92686679004 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| Chloride | mg/L | 3.2 | 50 | 50 | 56.8 | 57.1 | 107 | 108 | 90-110 | 1 | 10 | |
| Fluoride | mg/L | 0.10 | 2.5 | 2.5 | 2.7 | 2.7 | 102 | 104 | 90-110 | 1 | 10 | |
| Sulfate | mg/L | 53.9 | 50 | 50 | 100 | 99.4 | 92 | 91 | 90-110 | 1 | 10 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-1234 Assessment

Pace Project No.: 92686681

| | | | |
|------------------|------------------------|-----------------------|--------------------------------------|
| QC Batch: | 799070 | Analysis Method: | EPA 300.0 Rev 2.1 1993 |
| QC Batch Method: | EPA 300.0 Rev 2.1 1993 | Analysis Description: | 300.0 IC Anions |
| | | Laboratory: | Pace Analytical Services - Asheville |

Associated Lab Samples: 92686681002

METHOD BLANK: 4138708 Matrix: Water

Associated Lab Samples: 92686681002

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|-------|----------------|------------|
| Chloride | mg/L | ND | 1.0 | 0.60 | 09/12/23 12:51 | |
| Fluoride | mg/L | ND | 0.10 | 0.050 | 09/12/23 12:51 | |
| Sulfate | mg/L | ND | 1.0 | 0.50 | 09/12/23 12:51 | |

LABORATORY CONTROL SAMPLE: 4138709

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Chloride | mg/L | 50 | 49.6 | 99 | 90-110 | |
| Fluoride | mg/L | 2.5 | 2.6 | 103 | 90-110 | |
| Sulfate | mg/L | 50 | 50.1 | 100 | 90-110 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4138710 4138711

| Parameter | Units | 92687087001 | | MS | | MSD | | % Rec | % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|-------------|-------|-------------|-------|--------|--------|-------|--------|--------------|-----|---------|------|
| | | Result | Conc. | Spike Conc. | Conc. | Result | Result | | | | | | |
| Chloride | mg/L | 8.0 | 50 | 50 | 59.4 | 59.8 | 103 | 104 | 90-110 | 1 | 10 | | |
| Fluoride | mg/L | 0.63 | 2.5 | 2.5 | 3.5 | 3.5 | 113 | 115 | 90-110 | 1 | 10 | M1 | |
| Sulfate | mg/L | 9.9 | 50 | 50 | 60.7 | 61.4 | 102 | 103 | 90-110 | 1 | 10 | | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4138712 4138713

| Parameter | Units | 92686677010 | | MS | | MSD | | % Rec | % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|-------------|-------|-------------|-------|--------|--------|-------|--------|--------------|-----|---------|------|
| | | Result | Conc. | Spike Conc. | Conc. | Result | Result | | | | | | |
| Chloride | mg/L | ND | 50 | 50 | 52.1 | 53.1 | 104 | 106 | 90-110 | 2 | 10 | | |
| Fluoride | mg/L | ND | 2.5 | 2.5 | 2.7 | 2.7 | 109 | 108 | 90-110 | 0 | 10 | | |
| Sulfate | mg/L | ND | 50 | 50 | 52.7 | 54.0 | 105 | 108 | 90-110 | 2 | 10 | | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Plant McD AP-1234 Assessment

Pace Project No.: 92686681

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant McD AP-1234 Assessment

Pace Project No.: 92686681

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|-----------|------------------------|----------|-------------------|------------------|
| 92686681001 | MCD-B-100 | EPA 3010A | 798622 | EPA 6010D | 798709 |
| 92686681002 | MCD-B-62 | EPA 3010A | 798869 | EPA 6010D | 798954 |
| 92686681001 | MCD-B-100 | EPA 3005A | 798623 | EPA 6020B | 798699 |
| 92686681002 | MCD-B-62 | EPA 3005A | 798903 | EPA 6020B | 798992 |
| 92686681002 | MCD-B-62 | EPA 7470A | 803461 | EPA 7470A | 803573 |
| 92686681001 | MCD-B-100 | SM 2540C-2015 | 798883 | | |
| 92686681002 | MCD-B-62 | SM 2540C-2015 | 799142 | | |
| 92686681001 | MCD-B-100 | EPA 7470A | 800476 | EPA 7470A | 800627 |
| 92686681001 | MCD-B-100 | SM 2320B-2011 | 798846 | | |
| 92686681002 | MCD-B-62 | SM 2320B-2011 | 799173 | | |
| 92686681001 | MCD-B-100 | SM 4500-S2D-2011 | 798662 | | |
| 92686681002 | MCD-B-62 | SM 4500-S2D-2011 | 799296 | | |
| 92686681001 | MCD-B-100 | EPA 300.0 Rev 2.1 1993 | 798688 | | |
| 92686681002 | MCD-B-62 | EPA 300.0 Rev 2.1 1993 | 799070 | | |

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.



DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

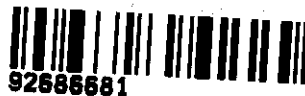
Sample Condition Upon Receipt

Client Name:

Gen-Power

Project #:

WO#: 92686681



Carrier: Fed Ex UPS USPS Client Pace Other: _____

Is Body Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 9-7-23 JIC

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: IR-Gun ID: 730 Type of Ice: Wet Blue None

Cooler Temp: 2.3 Correction Factor: Add/Subtract (°C) 0.0

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

Cooler Temp Corrected (°C) 2.3

SDA Regulated Soil (N/A water sample)

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURR Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



DC#_ Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

WO#: 92686681

Project #

PM: BV

Due Date: 09/21/23

CLIENT: 92-GA Power

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

| Item# | BP4U-125 mL Plastic Unpreserved (N/A) (Cl-) | BP3U-250 mL Plastic Unpreserved (N/A) | BP2U-500 mL Plastic Unpreserved (N/A) | BP1U-1 liter Plastic Unpreserved (N/A) | BP4S-125 mL Plastic H2SO4 (pH < 2) | BP3N-250 mL plastic HNO3 (pH < 2) | BP4Z-125 mL Plastic ZN Acetate & NaOH (>9) | BP4B-125 mL Plastic NaOH (pH > 12) (Cl-) | WGFU-Wide-mouthed Glass jar Unpreserved | AG1U-1 liter Amber Unpreserved (N/A) (Cl-) | AG1H-1 liter Amber HCl (pH < 2) | AG3U-250 mL Amber Unpreserved (N/A) (Cl-) | AG15-1 liter Amber H2SO4 (pH < 2) | AG3S-250 mL Amber H2SO4 (pH < 2) | DG94-40 mL Amber NH4Cl (N/A)(Cl-) | DG9H-40 mL VOA HCl (N/A) | VG9T-40 mL VOA Na2S2O3 (N/A) | VG9U-40 mL VOA Unpreserved (N/A) | DG9V-40 mL VOA H3PO4 (N/A) | KP7U-50 mL Plastic Unpreserved (N/A) | V/GK (3 vials per kit)-VPH/Gas kit (N/A) | SP5T-125 mL Sterile Plastic (N/A - lab) | SP2T-250 mL Sterile Plastic (N/A - lab) | BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7) | AG0U-100 mL Amber Unpreserved (N/A) (Cl-) | VSGU-20 mL Scintillation vials (N/A) | DG9U-40 mL Amber Unpreserved vials (N/A) | |
|-------|---|---------------------------------------|---------------------------------------|--|------------------------------------|-----------------------------------|--|--|---|--|---------------------------------|---|-----------------------------------|----------------------------------|-----------------------------------|--------------------------|------------------------------|----------------------------------|----------------------------|--------------------------------------|--|---|---|---|---|--------------------------------------|--|--|
| 1 | | 21 | | | | 1 | 1 | | | | | | | | | | | | | | | | | 2 | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

pH Adjustment Log for Preserved Samples

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

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



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A

Section B

Section C

| | | | | | | | | |
|--|--|------|--|--|--|---------------------------------------|--|--------------|
| Required Client Information: | | | Required Project Information: | | | Required Analysis Information: | | Page: 1 of 1 |
| Company: Georgia Power - Coal Combustion Residuals | | | Report To: Lauren Cole | | | Attention: pacelab@gsouthern.com | | |
| Address: 2480 Manoir Road Atlanta, GA 30339 | | | Copy To: WSP | | | Company Name: | | |
| Email: lauren.cole@gsouthern.com | | | Purchase Order #: | | | Address: | | |
| Phone: (478) 820-6176 | | Fax: | Project Name: Plant McD AP-1234 Assessment | | | Pace Casco: | | |
| Requested Due Date: 10 Day TAT | | | Project #: 31406440.MC023 | | | Pace Profile #: | | |

| ITEM # | SAMPLE ID One Character per box ID (A-Z, 0-9, -, .) [] Sample IDs must be unique | MATERIAL CODED Drinking Water DWI Water WTD Waste Water WWD Product PO Sewage SLD Oil OLD Wine WPO Air ARC Other OTD Tissue T | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G-GRAB C-COMP) | DATE | TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Unpreserved - Ice | Preservatives | | | | | | | | | Requested Analysis Filtered (Y/N) | Residual Chlorine (Y/N) | | | | | | |
|--------|--|---|---------------------------------------|-----------------------------|--------|-------|---------------------------|-----------------|-------------------|---------------|------------|-----|-------------------|-------|----------|-------|------------------------------|------------|-----------------------------------|-------------------------|-------------------------------|-----|------------|---------|--|--|
| | | | | | | | | | | H2SO4 | HNO3 + Ice | HCl | HNO3 + Zn Acetate | H2SO4 | Methanol | Other | Ag, Bi, Li, V, Pb, Mn, K, Fe | Cl, F, SO4 | | | As, Cd, Cr, Cu, Ni, Se, S, Zn | DDA | Alkalinity | Ammonia | | |
| 1 | MCD-B-100 | | WG | G | 8/6/23 | 10:10 | | 7 | 3 | 1 | | | | | | | | | X | X | X | X | X | X | | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | | |

| ADDITIONAL COMMENTS | RELINQUISHED BY / APPLICATION | DATE | TEMP | ACCEPTED BY / APPLICATION | DATE | SAMPLE CONDITIONS |
|---------------------|-------------------------------|---------|------|---------------------------|------|-------------------|
| | WSP | 8/10/23 | 0°C | Com 8.3% | 7/23 | |

Received on: []
 Date Signed: []
 TEMP in C: []
 Samples: []



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

GA Power

Project #

WO#: 92686681

Courier: Fed Ex UPS USPS Client Commercial Pace Other:

PM: BV Due Date: 09/21/23 CLIENT: 92-GA Power

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 9/18/23

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen?

Yes No N/A

Thermometer:

IR Gun ID:

230

Type of Ice:

Wet Blue None

Cooler Temp:

4.1

Correction Factor:

Add/Subtract (°C) 0.0

Temp should be above freezing to 6°C

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

Cooler Temp Corrected (°C):

4.1

USDA Regulated Soil (N/A, water sample)

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted:

Date/Time:

Project Manager SCURF Review:

Date:

Project Manager SRF Review:

Date:



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project # **WO#: 92686681**

PM: BV

Due Date: 09/21/23

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

CLIENT: 92-GA Power

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

| Item# | BP4U-125 mL Plastic Unpreserved (N/A) (Cl-) | BP3U-250 mL Plastic Unpreserved (N/A) | BP2U-500 mL Plastic Unpreserved (N/A) | BP1U-1 liter Plastic Unpreserved (N/A) | BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-) | BP3N-250 mL plastic HNO3 (pH < 2) | BP4Z-125 mL Plastic ZN Acetate & NaOH (>9) | BP4B-125 mL Plastic NaOH (pH > 12) (Cl-) | WGFLU-Wide-mouthed Glass jar Unpreserved | AG1U-1 liter Amber Unpreserved (N/A) (Cl-) | AG3H-1 liter Amber HCl (pH < 2) | AG3U-250 mL Amber Unpreserved (N/A) (Cl-) | AG1S-1 liter Amber H2SO4 (pH < 2) | AG3S-250 mL Amber H2SO4 (pH < 2) | DG9A-40 mL Amber NH4Cl (N/A)(Cl-) | DG9H-40 mL VOA HCl (N/A) | VG9T-40 mL VOA Na2SO3 (N/A) | VG9U-40 mL VOA Unpreserved (N/A) | DG9V-40 mL VOA H3PO4 (N/A) | KP7U-50 mL Plastic Unpreserved (N/A) | V/GK (3 vials per kit)-VPH/Gas kit (N/A) | SP5T-125 mL Sterile Plastic (N/A - lab) | SP2T-250 mL Sterile Plastic (N/A - lab) | BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7) | AG0U-100 mL Amber Unpreserved (N/A) (Cl-) | VSGU-20 mL Scintillation vials (N/A) | DG9U-40 mL Amber Unpreserved vials (N/A) | | |
|-------|---|---------------------------------------|---------------------------------------|--|--|-----------------------------------|--|--|--|--|---------------------------------|---|-----------------------------------|----------------------------------|-----------------------------------|--------------------------|-----------------------------|----------------------------------|----------------------------|--------------------------------------|--|---|---|---|---|--------------------------------------|--|--|--|
| 1 | 21 | | | | 15 | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

pH Adjustment Log for Preserved Samples

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

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



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

| | | | |
|---|---|---|---------------|
| Section A Required Client Information: Company: Georgia Power - Coal Combustion Residuals Address: 2480 Maner Road Atlanta, GA 30339 Email: laucoker@southernco.com Phone: (470) 620-6176 Requested Due Date: 10 Day TAT | Section B Required Project Information: Report To: Lauren Coker Copy To: WSP Purchase Order #: Project Name: Plant McD AP-1234 Assessment Project #: 31406440.McD23 | Section C Invoice Information: Attention: acctinvoices@southernco.com Company Name: Address: Pace Quote: Pace Project Manager: Bonnie Vang Pace Profile #: | Page : 1 Of 1 |
|---|---|---|---------------|

| ITEM # | SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample IDs must be unique | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (See GRAS C-COMP) | DATE | TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Preservatives | | | | | | | | | | | | Analysis Test | Requested Analysis Filtered (Y/N) | Residual Chlorine (Y/N) | | |
|--------|--|---------------------------------------|-------------------------------|--------|-------|---------------------------|-----------------|-------------------|-------|------------|-----|-------------------|--------|----------|-------|---------------------------|------------|-------------------|-----|---------------|-----------------------------------|-------------------------|------------|-----------------|
| | | | | | | | | Unpreserved - Ice | H2SO4 | HNO3 + Ice | HCl | NaOH + Zn Acetate | H2S2O3 | Methanol | Other | App. IIRV + Mg, Na, K, Fe | Cl, F, SO4 | Residual 95129320 | TDS | | | | Alkalinity | Sulfide |
| 1 | MCD-B-82 | WG | G | 8/7/23 | 16:36 | | 7 | 3 | 3 | 1 | | | | | | | X | X | X | X | X | X | | 92666681 102 |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | |

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | SAMPLE CONDITIONS |
|---------------------------------|-------------------------------------|----------|------|---------------------------|--------|-------------------|
| ask Code = MCD-CCR-ASSMT-202352 | MARK MANN <i>[Signature]</i> WSP | 09/08/23 | 1550 | <i>[Signature]</i> | 9/8/23 | |
| | | | | | | |

TEMP in C _____
 Received on ice (Y/N) _____
 Custody Sealed Cooler (Y/N) _____

DATE Signed: _____

Samples Intact (Y/N) _____



October 13, 2023

Lauren Hartley
Southern Co.
241 Ralph McGill Blvd
NE, Bin 10160
Atlanta, GA 30308

RE: Project: Plant McD AP-1234 Assessme-RAD
Pace Project No.: 92686682

Dear Lauren Hartley:

Enclosed are the analytical results for sample(s) received by the laboratory between September 07, 2023 and September 08, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Greensburg

Revision 1: Sample ID for 92686682-001 corrected to match COC

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

Sincerely,

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

Enclosures

cc: Yong Cheng, WSP
Daniela Herrera, Golder
Andrea McClure, WSP
Laura Midkiff, Southern Co.
Dawn Prell, WSP USA E&I Inc_Atlanta



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Plant McD AP-1234 Assessme-RAD

Pace Project No.: 92686682

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601

ANAB DOD-ELAP Rad Accreditation #: L2417

ANABISO/IEC 17025:2017 Rad Cert#: L24170

Alabama Certification #: 41590

Arizona Certification #: AZ0734

Arkansas Certification

California Certification #: 2950

Colorado Certification #: PA01547

Connecticut Certification #: PH-0694

EPA Region 4 DW Rad

Florida/TNI Certification #: E87683

Georgia Certification #: C040

Guam Certification

Hawaii Certification

Idaho Certification

Illinois Certification

Indiana Certification

Iowa Certification #: 391

Kansas Certification #: E-10358

Kentucky Certification #: KY90133

KY WW Permit #: KY0098221

KY WW Permit #: KY0000221

Louisiana DHH/TNI Certification #: LA010

Louisiana DEQ/TNI Certification #: 04086

Maine Certification #: 2023021

Maryland Certification #: 308

Massachusetts Certification #: M-PA1457

Michigan/PADEP Certification #: 9991

Missouri Certification #: 235

Montana Certification #: Cert0082

Nebraska Certification #: NE-OS-29-14

Nevada Certification #: PA014572023-03

New Hampshire/TNI Certification #: 297622

New Jersey/TNI Certification #: PA051

New Mexico Certification #: PA01457

New York/TNI Certification #: 10888

North Carolina Certification #: 42706

North Dakota Certification #: R-190

Ohio EPA Rad Approval: #41249

Oregon/TNI Certification #: PA200002-015

Pennsylvania/TNI Certification #: 65-00282

Puerto Rico Certification #: PA01457

Rhode Island Certification #: 65-00282

South Dakota Certification

Tennessee Certification #: TN02867

Texas/TNI Certification #: T104704188-22-18

Utah/TNI Certification #: PA014572223-14

USDA Soil Permit #: 525-23-67-77263

Vermont Dept. of Health: ID# VT-0282

Virgin Island/PADEP Certification

Virginia/VELAP Certification #: 460198

Washington Certification #: C868

West Virginia DEP Certification #: 143

West Virginia DHHR Certification #: 9964C

Wisconsin Approve List for Rad

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Plant McD AP-1234 Assessme-RAD
Pace Project No.: 92686682

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|-----------|--------|----------------|----------------|
| 92686682001 | MCD-B-100 | Water | 09/06/23 10:10 | 09/07/23 00:00 |
| 92686682002 | MCD-B-62 | Water | 09/07/23 16:36 | 09/08/23 15:50 |

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Plant McD AP-1234 Assessme-RAD
Pace Project No.: 92686682

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|-------------|-----------|--------------------------|----------|-------------------|------------|
| 92686682001 | MCD-B-100 | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | ZPC | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| 92686682002 | MCD-B-62 | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | ZPC | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |

PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-1234 Assessme-RAD

Pace Project No.: 92686682

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|--|---------------------------------------|---|-------|----------------|------------|------|
| Sample: MCD-B-100 Lab ID: 92686682001 Collected: 09/06/23 10:10 Received: 09/07/23 00:00 Matrix: Water PWS: Site ID: Sample Type: | | | | | | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.204U ± 0.130 (0.215) C:90% T:NA | pCi/L | 10/03/23 08:17 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 0.122U ± 0.416 (0.936) C:78% T:79% | pCi/L | 09/26/23 15:53 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 0.326U ± 0.546 (1.15) | pCi/L | 10/03/23 15:18 | 7440-14-4 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-1234 Assessme-RAD

Pace Project No.: 92686682

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|---|--------------------------|---|-------|----------------|------------|------|
| Sample: MCD-B-62 Lab ID: 92686682002 Collected: 09/07/23 16:36 Received: 09/08/23 15:50 Matrix: Water PWS: Site ID: Sample Type: | | | | | | |
| Pace Analytical Services - Greensburg | | | | | | |
| Radium-226 | EPA 9315 | 0.756 ± 0.230 (0.167) C:80% T:NA | pCi/L | 10/03/23 08:18 | 13982-63-3 | |
| Pace Analytical Services - Greensburg | | | | | | |
| Radium-228 | EPA 9320 | 1.48 ± 0.533 (0.786) C:81% T:84% | pCi/L | 09/26/23 15:54 | 15262-20-1 | |
| Pace Analytical Services - Greensburg | | | | | | |
| Total Radium | Total Radium Calculation | 2.24 ± 0.763 (0.953) | pCi/L | 10/03/23 15:18 | 7440-14-4 | |

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant McD AP-1234 Assessme-RAD

Pace Project No.: 92686682

| | |
|---------------------------|---|
| QC Batch: 615444 | Analysis Method: EPA 9315 |
| QC Batch Method: EPA 9315 | Analysis Description: 9315 Total Radium |
| | Laboratory: Pace Analytical Services - Greensburg |

Associated Lab Samples: 92686682001, 92686682002

METHOD BLANK: 2997136 Matrix: Water

Associated Lab Samples: 92686682001, 92686682002

| Parameter | Act ± Unc (MDC) Carr Trac | Units | Analyzed | Qualifiers |
|------------|----------------------------------|-------|----------------|------------|
| Radium-226 | 0.131 ± 0.132 (0.266) C:78% T:NA | pCi/L | 10/02/23 13:17 | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant McD AP-1234 Assessme-RAD

Pace Project No.: 92686682

QC Batch: 615445

Analysis Method: EPA 9320

QC Batch Method: EPA 9320

Analysis Description: 9320 Radium 228

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92686682001, 92686682002

METHOD BLANK: 2997141

Matrix: Water

Associated Lab Samples: 92686682001, 92686682002

| Parameter | Act ± Unc (MDC) Carr Trac | Units | Analyzed | Qualifiers |
|------------|-----------------------------------|-------|----------------|------------|
| Radium-228 | 0.465 ± 0.323 (0.609) C:77% T:85% | pCi/L | 09/26/23 12:28 | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Plant McD AP-1234 Assessme-RAD

Pace Project No.: 92686682

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

Act - Activity

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

Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

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

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant McD AP-1234 Assessme-RAD
Pace Project No.: 92686682

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|-----------|--------------------------|----------|-------------------|------------------|
| 92686682001 | MCD-B-100 | EPA 9315 | 615444 | | |
| 92686682002 | MCD-B-62 | EPA 9315 | 615444 | | |
| 92686682001 | MCD-B-100 | EPA 9320 | 615445 | | |
| 92686682002 | MCD-B-62 | EPA 9320 | 615445 | | |
| 92686682001 | MCD-B-100 | Total Radium Calculation | 619773 | | |
| 92686682002 | MCD-B-62 | Total Radium Calculation | 619773 | | |

REPORT OF LABORATORY ANALYSIS

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DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

Gen - Power

Project #: WO#: 92686682



Carrier: Fed Ex UPS USPS Client
 Commercial Pace Other: _____

Study Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 9-7-23 JLC

Sealing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer:

IR Gun ID: 230 Type of Ice: Wet Blue None

cooler Temp: 2.3 Correction Factor: Add/Subtract (°C) 0.6

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

cooler Temp Corrected (°C) 2.3

SDA Regulated Soil (N/A water sample)

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted:

Date/Time:

Project Manager SCURF Review:

Date:

Project Manager SRF Review:

Date:



Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

WO#: 92686682

PM: BV

Due Date: 09/28/23

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

CLIENT: 92-GA Power

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

| Item# | BP4U-125 mL Plastic Unpreserved (N/A) (Cl-) | BP3U-250 mL Plastic Unpreserved (N/A) | BP2U-500 mL Plastic Unpreserved (N/A) | BP1U-1 liter Plastic Unpreserved (N/A) | BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-) | BP3N-250 mL plastic HNO3 (pH < 2) | BP4Z-125 mL Plastic ZN Acetate & NaOH (>9) | BP4B-125 mL Plastic NaOH (pH > 12) (Cl-) | WGJU-Wide-mouthed Glass jar Unpreserved | AG1U-1 liter Amber Unpreserved (N/A) (Cl-) | AG1H-1 liter Amber HCl (pH < 2) | AG3U-250 mL Amber Unpreserved (N/A) (Cl-) | AG1S-1 liter Amber H2SO4 (pH < 2) | AG3S-250 mL Amber H2SO4 (pH < 2) | DG9A-40 mL Amber NH4Cl (N/A)(Cl-) | DG9H-40 mL VOA HCl (N/A) | VG9T-40 mL VOA Na2S2O3 (N/A) | VG9U-40 mL VOA Unpreserved (N/A) | DG9V-40 mL VOA H3PO4 (N/A) | KP7U-50 mL Plastic Unpreserved (N/A) | V/GK (3 vials per kit)-VPH/Gas kit (N/A) | SP5T-125 mL Sterile Plastic (N/A - lab) | SP2T-250 mL Sterile Plastic (N/A - lab) | BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7) | AG0U-100 mL Amber Unpreserved (N/A) (Cl-) | VSGU-20 mL Scintillation vials (N/A) | DG9U-40 mL Amber Unpreserved vials (N/A) | | |
|-------|---|---------------------------------------|---------------------------------------|--|--|-----------------------------------|--|--|---|--|---------------------------------|---|-----------------------------------|----------------------------------|-----------------------------------|--------------------------|------------------------------|----------------------------------|----------------------------|--------------------------------------|--|---|---|---|---|--------------------------------------|--|--|--|
| 1 | | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

pH Adjustment Log for Preserved Samples

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

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



CHAIN-OF-CUSTODY / Analytical Request Document
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A

Requested Client Information:

Company: Georgia Power - Coal Combustion Products
Address: 2400 Hank Road
City: Atlanta, GA 30338
Phone: (478) 850-6176
Requested Date: 10 May 2011

Section B

Requested Project Information:

Request To: Laura Collier
Copy To: WSP
Project Name: Plant and AP-1204 Assessment
Project #: 31428481-WSP-001

Section C

Trace Information:

Analyst: scott@analyticalservices.com
Company Name: Analytical Services
Address:
Person Name:
Person Title:
Person Email:

Page: 1 of 1

| ITEM # | MCOB-100 | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | DATE | TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Preservatives | | | | | | | Temp in C | Received on ice (Y/N) | Custody Broken / Cooler (Y/N) | Sample intact (Y/N) | |
|--------|----------|---------------------------------------|-----------------------------|------|-------|---------------------------|-----------------|-------------------|-------|------------|-----|-------------------|--------|----------|-----------|-----------------------|-------------------------------|---------------------|-------|
| | | | | | | | | Unpreserved - Ice | H2SO4 | HNO3 + Ice | HCl | NaOH + Zn Acetate | H2S2O3 | Methanol | | | | | Other |
| 1 | | VIG | G | 9/23 | 10:10 | | 7 | 3 | 3 | 1 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
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ADDITIONAL COMMENTS
 RECEIVED BY: [Signature]
 DATE: 9/23/11
 TIME: 0900
 ACCEPTED BY: [Signature]
 DATE: 9/23/11

926876682
001



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Knoxville

Sample Condition Upon Receipt

Client Name:

GA Power

Project #:

WO#: 92686682

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

PM: BV Due Date: 09/28/23
CLIENT: 92-GA Power

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 9/8/23 / [initials]

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen?

Yes No N/A

Thermometer:

IR Gun ID:

230

Type of Ice: Wet Blue None

Cooler Temp:

4.1

Correction Factor:

Add/Subtract (°C) 0.0

Temp should be above freezing to 6°C

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

Cooler Temp Corrected (°C):

4.1

USDA Regulated Soil (N/A, water sample)

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted:

Date/Time:

Project Manager SCURF Review:

Date:

Project Manager SRF Review:

Date:



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project # **WO# : 92686682**

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

PM: BV Due Date: 09/28/23

**Bottom half of box is to list number of bottles

CLIENT: 92-GA Power

***Check all unpreserved Nitrates for chlorine

| Item# | BP4U-125 mL Plastic Unpreserved (N/A) (Cl-) | BP3U-250 mL Plastic Unpreserved (N/A) | BP2U-500 mL Plastic Unpreserved (N/A) | BP1U-1 liter Plastic Unpreserved (N/A) | BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-) | BP3N-250 mL plastic HNO3 (pH < 2) | BP4Z-125 mL Plastic ZN Acetate & NaOH (>9) | BP4B-125 mL Plastic NaOH (pH > 12) (Cl-) | WGFU-Wide-mouthed Glass jar Unpreserved | AG1U-1 liter Amber Unpreserved (N/A) (Cl-) | AG1H-1 liter Amber HCl (pH < 2) | AG3U-250 mL Amber Unpreserved (N/A) (Cl-) | AG1S-1 liter Amber H2SO4 (pH < 2) | AG3S-250 mL Amber H2SO4 (pH < 2) | DG94-40 mL Amber NH4Cl (N/A)(Cl-) | DG9H-40 mL VOA HCl (N/A) | VG9T-40 mL VOA Na2S2O3 (N/A) | VG9U-40 mL VOA Unpreserved (N/A) | DG9V-40 mL VOA H3PO4 (N/A) | KP7U-50 mL Plastic Unpreserved (N/A) | V/GK (3 vials per kit)-VPH/Gas kit (N/A) | SP5T-125 mL Sterile Plastic (N/A - lab) | SP2T-250 mL Sterile Plastic (N/A - lab) | BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7) | AG0U-100 mL Amber Unpreserved (N/A) (Cl-) | V5GU-20 mL Scintillation vials (N/A) | DG9U-40 mL Amber Unpreserved vials (N/A) | | |
|-------|---|---------------------------------------|---------------------------------------|--|--|-----------------------------------|--|--|---|--|---------------------------------|---|-----------------------------------|----------------------------------|-----------------------------------|--------------------------|------------------------------|----------------------------------|----------------------------|--------------------------------------|--|---|---|---|---|--------------------------------------|--|--|--|
| 1 | | 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

pH Adjustment Log for Preserved Samples

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

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



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Requested Client Information: **Section B** Requested Project Information: **Section C** Invoice Information: Page: 1 of 1

| | | |
|--|---|---|
| Company: Georgia Power - Coal Combustion Residuals Address: 2480 Warner Road Atlanta, GA 30339 Phone: (470) 820-6175 Email: jaycocker@southernco.com Requested Due Date: 10 Day TAT | Report To: Lauren Collier Copy To: MSP Purchase Order #: Plant MCD AP-1234 Assessment Project Name: Project # 31408440.MCD23 Project # 31408440.MCD23 | Attention: acinnocent@southernco.com Company Name Address Face Quote: Bureau Yang Face Project Manager: Bureau Yang Face Profile # |
|--|---|---|

| ITEM # | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | DATE | TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Preservatives | | | | | | | Analyses Test | | | | | | Residual Chlorine (Y/N) | | | | | | | |
|--------|---------------------------------------|-----------------------------|--------|-------|---------------------------|-----------------|-------------------|-------|------------|-----|-------------------|---------|----------|---------------|-----|-----|-----|-----|-----|-------------------------|-----|-----|--|--|--|--|--|
| | | | | | | | Unpreserved - Ice | H2SO4 | HNO3 + Ice | HCl | NaOH + Zn Acetate | Na2S2O3 | Methanol | Other | Y/N | Y/N | Y/N | Y/N | Y/N | | Y/N | Y/N | | | | | |
| 1 | MCD-B-82 | WG | 9/7/23 | 16:36 | | 7 | 3 | 3 | 1 | | | | | | | X | X | X | X | X | X | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | |
|--|--|
| ADDITIONAL COMMENTS: ask Code = MCD-CGR-ASSMT-2023S2 RELINQUISHED BY: MARK MANN AFFILIATION: WSP DATE: 09/08/23 TIME: 1550 ACCEPTED BY: [Signature] AFFILIATION: [Signature] DATE: 9/8/23 | SAMPLE CONDITIONS TEMP in C Received on ice (Y/N) Custody Sealed Cooler (Y/N) Samples Intact (Y/N) |
|--|--|

Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-228
Analyst: ZPC
Date: 9/19/2023
Worklist: 75311
Matrix: WT

| Method Blank Assessment | |
|-------------------------------------|---------|
| MB Sample ID | 2997141 |
| MB concentration: | 0.465 |
| M/B 2 Sigma CSU: | 0.323 |
| MB MDC: | 0.609 |
| MB Numerical Performance Indicator: | 2.83 |
| MB Status vs Numerical Indicator: | Warning |
| MB Status vs. MDC: | Pass |

| Laboratory Control Sample Assessment | | LCSD (Y or N)? | Y |
|---|-----------|----------------|-----------|
| Count Date: | 9/26/2023 | LCSD75311 | 9/26/2023 |
| Spike I.D.: | 23-043 | | 23-043 |
| Decay Corrected Spike Concentration (pCi/mL): | 39.668 | | 39.668 |
| Volume Used (mL): | 0.10 | | 0.10 |
| Aliquot Volume (L, g, F): | 0.817 | | 0.817 |
| Target Conc. (pCi/L, g, F): | 4.854 | | 4.857 |
| Uncertainty (Calculated): | 0.238 | | 0.238 |
| Result (pCi/L, g, F): | 4.557 | | 3.686 |
| LCS/LCSD 2 Sigma CSU (pCi/L, g, F): | 1.042 | | 0.891 |
| Numerical Performance Indicator: | -0.54 | | -2.49 |
| Percent Recovery: | 93.89% | | 75.90% |
| Status vs Numerical Indicator: | N/A | | N/A |
| Status vs Recovery: | Pass | | Pass |
| Upper % Recovery Limits: | 135% | | 135% |
| Lower % Recovery Limits: | 60% | | 60% |

| Duplicate Sample Assessment | |
|---|-----------|
| Sample I.D.: | LCSD75311 |
| Duplicate Sample I.D.: | LCSD75311 |
| Sample Result (pCi/L, g, F): | 4.557 |
| Sample Result 2 Sigma CSU (pCi/L, g, F): | 1.042 |
| Sample Duplicate Result (pCi/L, g, F): | 3.686 |
| Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F): | 0.891 |
| Are sample and/or duplicate results below RL?: | NO |
| Duplicate Numerical Performance Indicator: | 1.245 |
| (Based on the LCS/LCSD Percent Recoveries) Duplicate RPD: | 21.19% |
| Duplicate Status vs Numerical Indicator: | Pass |
| Duplicate Status vs RPD: | Pass |
| % RPD Limit: | 36% |

[Handwritten Signature]

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

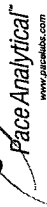
Comments:

VAL
9/27/23

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

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

Quality Control Sample Performance Assessment



Analyst **Must Manually Enter All Fields Highlighted in Yellow.**

Test: Ra-226
Analyst: SLC
Date: 9/20/2023
Worklist: 75310
Matrix: W1

| Method Blank Assessment | |
|-------------------------------------|---------|
| MB Sample ID | 2997136 |
| MB concentration: | 0.131 |
| M/B 2 Sigma CSU: | 0.132 |
| MB MDC: | 0.266 |
| MB Numerical Performance Indicator: | 1.94 |
| MB Status vs Numerical Indicator: | Pass |
| MB Status vs MDC: | N/A |

| Laboratory Control Sample Assessment | LCS/D (Y or N)? | |
|---|-----------------|-----------|
| | LCS75310 | LCS075310 |
| Count Date: | 10/3/2023 | 10/3/2023 |
| Spike I.D.: | 23-014 | 23-014 |
| Decay Corrected Spike Concentration (pCi/ml): | 25.030 | 25.030 |
| Volume Used (mL): | 0.10 | 0.10 |
| Aliquot Volume (L, g, F): | 0.504 | 0.504 |
| Target Conc. (pCi/L, g, F): | 4.951 | 4.969 |
| Uncertainty (Calculated): | 0.233 | 0.234 |
| Result (pCi/L, g, F): | 4.534 | 5.823 |
| LCS/LCSD 2 Sigma CSU (pCi/L, g, F): | 0.814 | 1.006 |
| Numerical Performance Indicator: | -0.96 | 1.62 |
| Percent Recovery: | 91.59% | 117.17% |
| Status vs Numerical Indicator: | Pass | Pass |
| Upper % Recovery Limits: | N/A | N/A |
| Lower % Recovery Limits: | 125% | 125% |
| | 75% | 75% |

| Duplicate Sample Assessment | MS/MSD 1 | MS/MSD 2 |
|---|---|---|
| Sample I.D.: | Sample I.D. | Sample I.D. |
| Duplicate Sample I.D.: | Sample MS I.D. | Sample MS I.D. |
| Sample Result (pCi/L, g, F): | Sample Matrix Spike Result: | Sample Matrix Spike Result: |
| Sample Result 2 Sigma CSU (pCi/L, g, F): | Sample Spike Result 2 Sigma CSU (pCi/L, g, F): | Sample Spike Result 2 Sigma CSU (pCi/L, g, F): |
| Sample Duplicate Result (pCi/L, g, F): | Sample Matrix Spike Duplicate Result: | Sample Matrix Spike Duplicate Result: |
| Are sample and/or duplicate results below RL? | Duplicate Numerical Performance Indicator: | Duplicate Numerical Performance Indicator: |
| Duplicate Numerical Performance Indicator: | (Based on the Percent Recoveries) MS/MSD Duplicate RPD: | (Based on the Percent Recoveries) MS/MSD Duplicate RPD: |
| Duplicate Status vs Numerical Indicator: | MS/MSD Duplicate Status vs Numerical Indicator: | MS/MSD Duplicate Status vs Numerical Indicator: |
| Duplicate Status vs RPD: | % RPD Limit: | % RPD Limit: |
| % RPD Limit: | | |

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

Comments:

017
20-3-23

VAM10/3/23



October 17, 2023

Lauren Hartley
Southern Co.
241 Ralph McGill Blvd
NE, Bin 10160
Atlanta, GA 30308

RE: Project: Plant McD AP-234 Assessmen-RAD
Pace Project No.: 92686684

Dear Lauren Hartley:

Enclosed are the analytical results for sample(s) received by the laboratory between September 07, 2023 and September 14, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Greensburg

Revision 1: Amend collected time on MCD-B-102D.

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

Sincerely,

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

Enclosures

cc: Yong Cheng, WSP
Daniela Herrera, Golder
Andrea McClure, WSP
Laura Midkiff, Southern Co.
Dawn Prell, WSP USA E&I Inc_Atlanta



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Plant McD AP-234 Assessmen-RAD

Pace Project No.: 92686684

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601

ANAB DOD-ELAP Rad Accreditation #: L2417

ANABISO/IEC 17025:2017 Rad Cert#: L24170

Alabama Certification #: 41590

Arizona Certification #: AZ0734

Arkansas Certification

California Certification #: 2950

Colorado Certification #: PA01547

Connecticut Certification #: PH-0694

EPA Region 4 DW Rad

Florida/TNI Certification #: E87683

Georgia Certification #: C040

Guam Certification

Hawaii Certification

Idaho Certification

Illinois Certification

Indiana Certification

Iowa Certification #: 391

Kansas Certification #: E-10358

Kentucky Certification #: KY90133

KY WW Permit #: KY0098221

KY WW Permit #: KY0000221

Louisiana DHH/TNI Certification #: LA010

Louisiana DEQ/TNI Certification #: 04086

Maine Certification #: 2023021

Maryland Certification #: 308

Massachusetts Certification #: M-PA1457

Michigan/PADEP Certification #: 9991

Missouri Certification #: 235

Montana Certification #: Cert0082

Nebraska Certification #: NE-OS-29-14

Nevada Certification #: PA014572023-03

New Hampshire/TNI Certification #: 297622

New Jersey/TNI Certification #: PA051

New Mexico Certification #: PA01457

New York/TNI Certification #: 10888

North Carolina Certification #: 42706

North Dakota Certification #: R-190

Ohio EPA Rad Approval: #41249

Oregon/TNI Certification #: PA200002-015

Pennsylvania/TNI Certification #: 65-00282

Puerto Rico Certification #: PA01457

Rhode Island Certification #: 65-00282

South Dakota Certification

Tennessee Certification #: TN02867

Texas/TNI Certification #: T104704188-22-18

Utah/TNI Certification #: PA014572223-14

USDA Soil Permit #: 525-23-67-77263

Vermont Dept. of Health: ID# VT-0282

Virgin Island/PADEP Certification

Virginia/VELAP Certification #: 460198

Washington Certification #: C868

West Virginia DEP Certification #: 143

West Virginia DHHR Certification #: 9964C

Wisconsin Approve List for Rad

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Plant McD AP-234 Assessmen-RAD

Pace Project No.: 92686684

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|----------------|--------|----------------|----------------|
| 92686684001 | MCD-B-93 | Water | 09/06/23 11:49 | 09/07/23 00:00 |
| 92686684002 | MCD-B-92 | Water | 09/06/23 11:38 | 09/07/23 00:00 |
| 92686684003 | MCD-B-97 | Water | 09/06/23 13:20 | 09/07/23 00:00 |
| 92686684004 | MCD-B-98 | Water | 09/06/23 15:19 | 09/07/23 00:00 |
| 92686684005 | MCD-AP234-FB-4 | Water | 09/06/23 11:30 | 09/07/23 00:00 |
| 92686684006 | MCD-AP234-EB-4 | Water | 09/06/23 12:00 | 09/07/23 00:00 |
| 92686684007 | MCD-B-63 | Water | 09/07/23 12:06 | 09/08/23 15:50 |
| 92686684008 | MCD-B-122D | Water | 09/07/23 15:11 | 09/08/23 15:50 |
| 92686684009 | MCD-B-101D | Water | 09/08/23 10:35 | 09/08/23 15:50 |
| 92686684010 | MCD-B-56 | Water | 09/08/23 10:38 | 09/08/23 15:50 |
| 92686684011 | MCD-AP234-FD-5 | Water | 09/07/23 00:00 | 09/08/23 15:50 |
| 92686684012 | MCD-AP234-FB-5 | Water | 09/07/23 12:35 | 09/08/23 15:50 |
| 92686684013 | MCD-B-102D | Water | 09/11/23 10:46 | 09/12/23 08:30 |
| 92686684014 | MCD-B-82 | Water | 09/11/23 11:57 | 09/12/23 08:30 |
| 92686684015 | MCD-B-66 | Water | 09/11/23 13:57 | 09/12/23 08:30 |
| 92686684016 | MCD-B-106D | Water | 09/11/23 15:38 | 09/12/23 08:30 |
| 92686684017 | MCD-AP234-FD-4 | Water | 09/11/23 00:00 | 09/12/23 08:30 |
| 92686684018 | MCD-AP234-EB-5 | Water | 09/11/23 11:56 | 09/12/23 08:30 |
| 92686684019 | MCD-B-77 | Water | 09/12/23 11:06 | 09/13/23 08:36 |
| 92686684020 | MCD-B-83 | Water | 09/12/23 13:03 | 09/13/23 08:36 |
| 92686684021 | MCD-B-88 | Water | 09/12/23 14:10 | 09/13/23 08:36 |
| 92686684022 | MCD-B-107D | Water | 09/12/23 09:46 | 09/13/23 08:36 |
| 92686684023 | MCD-B-120D | Water | 09/12/23 09:38 | 09/13/23 08:36 |
| 92686684024 | MCD-B-104D | Water | 09/13/23 12:34 | 09/14/23 14:22 |
| 92686684025 | MCD-B-108D | Water | 09/13/23 13:54 | 09/14/23 14:22 |
| 92686684026 | MCD-B-111D | Water | 09/13/23 12:42 | 09/14/23 14:22 |
| 92686684027 | MCD-B-125D | Water | 09/14/23 10:00 | 09/14/23 14:22 |

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Plant McD AP-234 Assessmen-RAD

Pace Project No.: 92686684

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|-------------|----------------|--------------------------|----------|-------------------|------------|
| 92686684001 | MCD-B-93 | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | JJS1 | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| 92686684002 | MCD-B-92 | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | JJS1 | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| 92686684003 | MCD-B-97 | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | JJS1 | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| 92686684004 | MCD-B-98 | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | JJS1 | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| 92686684005 | MCD-AP234-FB-4 | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | JJS1 | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| 92686684006 | MCD-AP234-EB-4 | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | JJS1 | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| 92686684007 | MCD-B-63 | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | JJS1 | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| 92686684008 | MCD-B-122D | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | JJS1 | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| 92686684009 | MCD-B-101D | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | JJS1 | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| 92686684010 | MCD-B-56 | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | JJS1 | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| 92686684011 | MCD-AP234-FD-5 | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | JJS1 | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| 92686684012 | MCD-AP234-FB-5 | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | JJS1 | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| 92686684013 | MCD-B-102D | EPA 9315 | SLC | 1 | PASI-PA |

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Plant McD AP-234 Assessmen-RAD

Pace Project No.: 92686684

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|-------------|----------------|--------------------------|----------|-------------------|------------|
| 92686684014 | MCD-B-82 | EPA 9320 | VAL | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| | | EPA 9315 | SLC | 1 | PASI-PA |
| 92686684015 | MCD-B-66 | EPA 9320 | VAL | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| | | EPA 9315 | SLC | 1 | PASI-PA |
| 92686684016 | MCD-B-106D | EPA 9320 | VAL | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| | | EPA 9315 | SLC | 1 | PASI-PA |
| 92686684017 | MCD-AP234-FD-4 | EPA 9320 | VAL | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| | | EPA 9315 | SLC | 1 | PASI-PA |
| 92686684018 | MCD-AP234-EB-5 | EPA 9320 | VAL | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| | | EPA 9315 | SLC | 1 | PASI-PA |
| 92686684019 | MCD-B-77 | EPA 9320 | VAL | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| | | EPA 9315 | SLC | 1 | PASI-PA |
| 92686684020 | MCD-B-83 | EPA 9320 | VAL | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| | | EPA 9315 | SLC | 1 | PASI-PA |
| 92686684021 | MCD-B-88 | EPA 9320 | VAL | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| | | EPA 9315 | SLC | 1 | PASI-PA |
| 92686684022 | MCD-B-107D | EPA 9320 | VAL | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| | | EPA 9315 | SLC | 1 | PASI-PA |
| 92686684023 | MCD-B-120D | EPA 9320 | VAL | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| | | EPA 9315 | SLC | 1 | PASI-PA |
| 92686684024 | MCD-B-104D | EPA 9320 | VAL | 1 | PASI-PA |
| | | Total Radium Calculation | ERT | 1 | PASI-PA |
| | | EPA 9315 | SLC | 1 | PASI-PA |
| 92686684025 | MCD-B-108D | EPA 9320 | VAL | 1 | PASI-PA |
| | | Total Radium Calculation | ERT | 1 | PASI-PA |
| | | EPA 9315 | SLC | 1 | PASI-PA |

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SAMPLE ANALYTE COUNT

Project: Plant McD AP-234 Assessmen-RAD

Pace Project No.: 92686684

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|-------------|------------|--------------------------|----------|-------------------|------------|
| 92686684026 | MCD-B-111D | Total Radium Calculation | ERT | 1 | PASI-PA |
| | | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | VAL | 1 | PASI-PA |
| 92686684027 | MCD-B-125D | Total Radium Calculation | ERT | 1 | PASI-PA |
| | | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | VAL | 1 | PASI-PA |
| | | Total Radium Calculation | ERT | 1 | PASI-PA |

PASI-PA = Pace Analytical Services - Greensburg

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Assessmen-RAD

Pace Project No.: 92686684

Sample: MCD-B-93 **Lab ID: 92686684001** Collected: 09/06/23 11:49 Received: 09/07/23 00:00 Matrix: Water
PWS: Site ID: Sample Type:

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|--------------|---------------------------------------|--|-------|----------------|------------|------|
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.352 ± 0.157 (0.191) C:89% T:NA | pCi/L | 10/03/23 08:15 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 0.695 ± 0.378 (0.662) C:83% T:80% | pCi/L | 09/26/23 11:41 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 1.05 ± 0.535 (0.853) | pCi/L | 10/03/23 15:16 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Assessmen-RAD

Pace Project No.: 92686684

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|---|--------------------------|--|-------|----------------|------------|------|
| Sample: MCD-B-92 Lab ID: 92686684002 Collected: 09/06/23 11:38 Received: 09/07/23 00:00 Matrix: Water PWS: Site ID: Sample Type: | | | | | | |
| Pace Analytical Services - Greensburg | | | | | | |
| Radium-226 | EPA 9315 | 0.440 ± 0.184 (0.228) C:85% T:NA | pCi/L | 10/03/23 08:15 | 13982-63-3 | |
| Pace Analytical Services - Greensburg | | | | | | |
| Radium-228 | EPA 9320 | 0.967 ± 0.416 (0.654) C:81% T:84% | pCi/L | 09/26/23 11:41 | 15262-20-1 | |
| Pace Analytical Services - Greensburg | | | | | | |
| Total Radium | Total Radium Calculation | 1.41 ± 0.600 (0.882) | pCi/L | 10/03/23 15:16 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Assessmen-RAD

Pace Project No.: 92686684

Sample: MCD-B-97 **Lab ID: 92686684003** Collected: 09/06/23 13:20 Received: 09/07/23 00:00 Matrix: Water
 PWS: Site ID: Sample Type:

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|--------------|---------------------------------------|---|-------|----------------|------------|------|
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.451 ± 0.187 (0.232) C:85% T:NA | pCi/L | 10/03/23 08:15 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 0.611U ± 0.434 (0.849) C:79% T:85% | pCi/L | 09/26/23 11:41 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 1.06U ± 0.621 (1.08) | pCi/L | 10/03/23 15:16 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Assessmen-RAD

Pace Project No.: 92686684

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|---|---------------------------------------|---|-------|----------------|------------|------|
| Sample: MCD-B-98 Lab ID: 92686684004 Collected: 09/06/23 15:19 Received: 09/07/23 00:00 Matrix: Water PWS: Site ID: Sample Type: | | | | | | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.509 ± 0.190 (0.202) C:86% T:NA | pCi/L | 10/03/23 08:16 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 0.713U ± 0.504 (0.978) C:69% T:81% | pCi/L | 09/26/23 11:59 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 1.22 ± 0.694 (1.18) | pCi/L | 10/03/23 15:16 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Assessmen-RAD

Pace Project No.: 92686684

Sample: MCD-AP234-FB-4 **Lab ID: 92686684005** Collected: 09/06/23 11:30 Received: 09/07/23 00:00 Matrix: Water
 PWS: Site ID: Sample Type:

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|--------------|---------------------------------------|---|-------|----------------|------------|------|
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.136U ± 0.113 (0.207) C:89% T:NA | pCi/L | 10/03/23 08:16 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 0.326U ± 0.336 (0.689) C:73% T:91% | pCi/L | 09/26/23 15:05 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 0.462U ± 0.449 (0.896) | pCi/L | 10/03/23 15:16 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Assessmen-RAD

Pace Project No.: 92686684

Sample: MCD-AP234-EB-4 **Lab ID: 92686684006** Collected: 09/06/23 12:00 Received: 09/07/23 00:00 Matrix: Water
 PWS: Site ID: Sample Type:

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|--------------|---------------------------------------|---|-------|----------------|------------|------|
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.0680U ± 0.104 (0.230) C:86% T:NA | pCi/L | 10/03/23 08:16 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 0.369U ± 0.381 (0.785) C:70% T:87% | pCi/L | 09/26/23 15:05 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 0.437U ± 0.485 (1.02) | pCi/L | 10/03/23 15:16 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Assessmen-RAD

Pace Project No.: 92686684

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|---|---------------------------------------|--|-------|----------------|------------|------|
| Sample: MCD-B-63 Lab ID: 92686684007 Collected: 09/07/23 12:06 Received: 09/08/23 15:50 Matrix: Water PWS: Site ID: Sample Type: | | | | | | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.731 ± 0.238 (0.214) C:79% T:NA | pCi/L | 10/03/23 08:16 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 0.257U ± 0.542 (1.20) C:74% T:72% | pCi/L | 09/26/23 15:05 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 0.988U ± 0.780 (1.41) | pCi/L | 10/03/23 15:16 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Assessmen-RAD

Pace Project No.: 92686684

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|---|---------------------------------------|--|-------|----------------|------------|------|
| Sample: MCD-B-122D Lab ID: 92686684008 Collected: 09/07/23 15:11 Received: 09/08/23 15:50 Matrix: Water PWS: Site ID: Sample Type: | | | | | | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 5.99 ± 1.08 (0.285) C:64% T:NA | pCi/L | 10/03/23 08:16 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 8.93 ± 1.84 (0.767) C:74% T:79% | pCi/L | 09/26/23 15:05 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 14.9 ± 2.92 (1.05) | pCi/L | 10/03/23 15:16 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Assessmen-RAD

Pace Project No.: 92686684

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|---|---------------------------------------|---|-------|----------------|------------|------|
| Sample: MCD-B-101D Lab ID: 92686684009 Collected: 09/08/23 10:35 Received: 09/08/23 15:50 Matrix: Water PWS: Site ID: Sample Type: | | | | | | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.543 ± 0.214 (0.263) C:78% T:NA | pCi/L | 10/03/23 08:16 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 1.03 ± 0.492 (0.831) C:80% T:75% | pCi/L | 09/26/23 15:05 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 1.57 ± 0.706 (1.09) | pCi/L | 10/03/23 15:16 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Assessmen-RAD
 Pace Project No.: 92686684

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|---|---------------------------------------|---|-------|----------------|------------|------|
| Sample: MCD-B-56 Lab ID: 92686684010 Collected: 09/08/23 10:38 Received: 09/08/23 15:50 Matrix: Water PWS: Site ID: Sample Type: | | | | | | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.370 ± 0.171 (0.233) C:80% T:NA | pCi/L | 10/03/23 08:17 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 0.489U ± 0.386 (0.759) C:79% T:82% | pCi/L | 09/26/23 15:06 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 0.859U ± 0.557 (0.992) | pCi/L | 10/03/23 15:16 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Assessmen-RAD

Pace Project No.: 92686684

Sample: MCD-AP234-FD-5 **Lab ID: 92686684011** Collected: 09/07/23 00:00 Received: 09/08/23 15:50 Matrix: Water
 PWS: Site ID: Sample Type:

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|--------------|---------------------------------------|--|-------|----------------|------------|------|
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 5.07 ± 0.932 (0.275) C:63% T:NA | pCi/L | 10/03/23 08:17 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 8.17 ± 1.68 (0.701) C:77% T:84% | pCi/L | 09/26/23 15:06 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 13.2 ± 2.61 (0.976) | pCi/L | 10/03/23 15:16 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Assessmen-RAD

Pace Project No.: 92686684

Sample: MCD-AP234-FB-5 **Lab ID: 92686684012** Collected: 09/07/23 12:35 Received: 09/08/23 15:50 Matrix: Water
 PWS: Site ID: Sample Type:

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|--------------|---------------------------------------|--|-------|----------------|------------|------|
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.0883U ± 0.102 (0.210) C:88% T:NA | pCi/L | 10/03/23 08:17 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | -0.124U ± 0.269 (0.669) C:77% T:90% | pCi/L | 09/26/23 15:06 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 0.0883U ± 0.371 (0.879) | pCi/L | 10/03/23 15:16 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Assessmen-RAD

Pace Project No.: 92686684

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|---|---------------------------------------|--|-------|----------------|------------|------|
| Sample: MCD-B-102D Lab ID: 92686684013 Collected: 09/11/23 10:46 Received: 09/12/23 08:30 Matrix: Water PWS: Site ID: Sample Type: | | | | | | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.214U ± 0.145 (0.238) C:85% T:NA | pCi/L | 10/04/23 08:18 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 1.04 ± 0.455 (0.708) C:76% T:80% | pCi/L | 09/27/23 11:20 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 1.25 ± 0.600 (0.946) | pCi/L | 10/05/23 10:58 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Assessmen-RAD

Pace Project No.: 92686684

Sample: MCD-B-82 **Lab ID: 92686684014** Collected: 09/11/23 11:57 Received: 09/12/23 08:30 Matrix: Water
 PWS: Site ID: Sample Type:

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|--------------|---------------------------------------|---|-------|----------------|------------|------|
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.0896U ± 0.121 (0.259) C:79% T:NA | pCi/L | 10/04/23 08:19 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 0.122U ± 0.291 (0.651) C:77% T:83% | pCi/L | 09/27/23 11:08 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 0.212U ± 0.412 (0.910) | pCi/L | 10/05/23 10:58 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Assessmen-RAD

Pace Project No.: 92686684

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|---|---------------------------------------|---|-------|----------------|------------|------|
| Sample: MCD-B-66 Lab ID: 92686684015 Collected: 09/11/23 13:57 Received: 09/12/23 08:30 Matrix: Water PWS: Site ID: Sample Type: | | | | | | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.226 ± 0.144 (0.213) C:76% T:NA | pCi/L | 10/04/23 08:19 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 0.510U ± 0.373 (0.720) C:77% T:79% | pCi/L | 09/27/23 11:08 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 0.736U ± 0.517 (0.933) | pCi/L | 10/05/23 10:58 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Assessmen-RAD

Pace Project No.: 92686684

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|---|---------------------------------------|---|-------|----------------|------------|------|
| Sample: MCD-B-106D Lab ID: 92686684016 Collected: 09/11/23 15:38 Received: 09/12/23 08:30 Matrix: Water PWS: Site ID: Sample Type: | | | | | | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.242U ± 0.163 (0.279) C:82% T:NA | pCi/L | 10/04/23 08:19 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 0.368U ± 0.349 (0.706) C:77% T:76% | pCi/L | 09/27/23 11:08 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 0.610U ± 0.512 (0.985) | pCi/L | 10/05/23 10:58 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Assessmen-RAD

Pace Project No.: 92686684

| | | | | |
|-------------------------------|----------------------------|---------------------------|--------------------------|---------------|
| Sample: MCD-AP234-FD-4 | Lab ID: 92686684017 | Collected: 09/11/23 00:00 | Received: 09/12/23 08:30 | Matrix: Water |
| PWS: | Site ID: | Sample Type: | | |

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|--------------|---------------------------------------|---|-------|----------------|------------|------|
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.182U ± 0.134 (0.229) C:91% T:NA | pCi/L | 10/04/23 08:19 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 0.316U ± 0.360 (0.753) C:80% T:76% | pCi/L | 09/27/23 11:09 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 0.498U ± 0.494 (0.982) | pCi/L | 10/05/23 10:58 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Assessmen-RAD

Pace Project No.: 92686684

| | | | | |
|-------------------------------|----------------------------|---------------------------|--------------------------|---------------|
| Sample: MCD-AP234-EB-5 | Lab ID: 92686684018 | Collected: 09/11/23 11:56 | Received: 09/12/23 08:30 | Matrix: Water |
| PWS: | Site ID: | Sample Type: | | |

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|--------------|---------------------------------------|---|-------|----------------|------------|------|
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.191U ± 0.165 (0.321) C:81% T:NA | pCi/L | 10/04/23 08:20 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 0.176U ± 0.317 (0.693) C:79% T:82% | pCi/L | 09/27/23 11:09 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 0.367U ± 0.482 (1.01) | pCi/L | 10/05/23 10:58 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Assessmen-RAD

Pace Project No.: 92686684

Sample: MCD-B-77 **Lab ID: 92686684019** Collected: 09/12/23 11:06 Received: 09/13/23 08:36 Matrix: Water
 PWS: Site ID: Sample Type:

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|--------------|---------------------------------------|--|-------|----------------|------------|------|
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.403 ± 0.177 (0.209) C:89% T:NA | pCi/L | 10/04/23 08:20 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 0.759 ± 0.374 (0.626) C:76% T:87% | pCi/L | 09/27/23 11:09 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 1.16 ± 0.551 (0.835) | pCi/L | 10/05/23 11:03 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Assessmen-RAD

Pace Project No.: 92686684

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|---|---------------------------------------|--|-------|----------------|------------|------|
| Sample: MCD-B-83 Lab ID: 92686684020 Collected: 09/12/23 13:03 Received: 09/13/23 08:36 Matrix: Water PWS: Site ID: Sample Type: | | | | | | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.0781U ± 0.137 (0.311) C:70% T:NA | pCi/L | 10/04/23 08:20 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | -0.108U ± 0.277 (0.684) C:78% T:79% | pCi/L | 09/27/23 11:09 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 0.0781U ± 0.414 (0.995) | pCi/L | 10/05/23 11:03 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Assessmen-RAD

Pace Project No.: 92686684

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|---|--------------------------|---|-------|----------------|------------|------|
| Sample: MCD-B-88 Lab ID: 92686684021 Collected: 09/12/23 14:10 Received: 09/13/23 08:36 Matrix: Water PWS: Site ID: Sample Type: | | | | | | |
| Pace Analytical Services - Greensburg | | | | | | |
| Radium-226 | EPA 9315 | 0.526 ± 0.212 (0.249) C:87% T:NA | pCi/L | 10/04/23 08:20 | 13982-63-3 | |
| Pace Analytical Services - Greensburg | | | | | | |
| Radium-228 | EPA 9320 | 0.629U ± 0.398 (0.737) C:78% T:74% | pCi/L | 09/27/23 11:09 | 15262-20-1 | |
| Pace Analytical Services - Greensburg | | | | | | |
| Total Radium | Total Radium Calculation | 1.16 ± 0.610 (0.986) | pCi/L | 10/05/23 11:03 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Assessmen-RAD

Pace Project No.: 92686684

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|---|---------------------------------------|---|-------|----------------|------------|------|
| Sample: MCD-B-107D Lab ID: 92686684022 Collected: 09/12/23 09:46 Received: 09/13/23 08:36 Matrix: Water PWS: Site ID: Sample Type: | | | | | | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.342 ± 0.166 (0.220) C:88% T:NA | pCi/L | 10/04/23 08:20 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 0.565U ± 0.427 (0.832) C:74% T:76% | pCi/L | 09/27/23 14:10 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 0.907U ± 0.593 (1.05) | pCi/L | 10/05/23 11:03 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Assessmen-RAD

Pace Project No.: 92686684

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|---|--------------------------|--|-------|----------------|------------|------|
| Sample: MCD-B-120D Lab ID: 92686684023 Collected: 09/12/23 09:38 Received: 09/13/23 08:36 Matrix: Water PWS: Site ID: Sample Type: | | | | | | |
| Pace Analytical Services - Greensburg | | | | | | |
| Radium-226 | EPA 9315 | 0.785 ± 0.259 (0.251) C:79% T:NA | pCi/L | 10/05/23 08:24 | 13982-63-3 | |
| Pace Analytical Services - Greensburg | | | | | | |
| Radium-228 | EPA 9320 | 0.951 ± 0.481 (0.824) C:75% T:76% | pCi/L | 09/27/23 14:10 | 15262-20-1 | |
| Pace Analytical Services - Greensburg | | | | | | |
| Total Radium | Total Radium Calculation | 1.74 ± 0.740 (1.08) | pCi/L | 10/06/23 14:33 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Assessmen-RAD

Pace Project No.: 92686684

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|---|---------------------------------------|--|-------|----------------|------------|------|
| Sample: MCD-B-104D Lab ID: 92686684024 Collected: 09/13/23 12:34 Received: 09/14/23 14:22 Matrix: Water PWS: Site ID: Sample Type: | | | | | | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 2.83 ± 0.563 (0.173) C:86% T:NA | pCi/L | 10/05/23 08:24 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 11.1 ± 2.22 (0.868) C:78% T:77% | pCi/L | 09/27/23 14:11 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 13.9 ± 2.78 (1.04) | pCi/L | 10/06/23 14:33 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Assessmen-RAD

Pace Project No.: 92686684

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|---|--------------------------|---|-------|----------------|------------|------|
| Sample: MCD-B-108D Lab ID: 92686684025 Collected: 09/13/23 13:54 Received: 09/14/23 14:22 Matrix: Water PWS: Site ID: Sample Type: | | | | | | |
| Pace Analytical Services - Greensburg | | | | | | |
| Radium-226 | EPA 9315 | 0.579 ± 0.223 (0.275) C:82% T:NA | pCi/L | 10/05/23 08:25 | 13982-63-3 | |
| Pace Analytical Services - Greensburg | | | | | | |
| Radium-228 | EPA 9320 | 0.536U ± 0.379 (0.726) C:77% T:84% | pCi/L | 09/27/23 14:11 | 15262-20-1 | |
| Pace Analytical Services - Greensburg | | | | | | |
| Total Radium | Total Radium Calculation | 1.12 ± 0.602 (1.00) | pCi/L | 10/06/23 14:33 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Assessmen-RAD

Pace Project No.: 92686684

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|---|---------------------------------------|--|-------|----------------|------------|------|
| Sample: MCD-B-111D Lab ID: 92686684026 Collected: 09/13/23 12:42 Received: 09/14/23 14:22 Matrix: Water PWS: Site ID: Sample Type: | | | | | | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 3.40 ± 0.664 (0.214) C:80% T:NA | pCi/L | 10/05/23 08:25 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 5.20 ± 1.17 (0.701) C:77% T:79% | pCi/L | 09/27/23 14:11 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 8.60 ± 1.83 (0.915) | pCi/L | 10/06/23 14:33 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Assessmen-RAD

Pace Project No.: 92686684

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|---|---------------------------------------|---|-------|----------------|------------|------|
| Sample: MCD-B-125D Lab ID: 92686684027 Collected: 09/14/23 10:00 Received: 09/14/23 14:22 Matrix: Water PWS: Site ID: Sample Type: | | | | | | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 1.21 ± 0.332 (0.281) C:80% T:NA | pCi/L | 10/05/23 08:25 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 1.20 ± 0.469 (0.705) C:74% T:89% | pCi/L | 09/27/23 14:11 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 2.41 ± 0.801 (0.986) | pCi/L | 10/06/23 14:33 | 7440-14-4 | |

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant McD AP-234 Assessmen-RAD
 Pace Project No.: 92686684

| | | | |
|------------------|----------|-----------------------|---------------------------------------|
| QC Batch: | 615447 | Analysis Method: | EPA 9315 |
| QC Batch Method: | EPA 9315 | Analysis Description: | 9315 Total Radium |
| | | Laboratory: | Pace Analytical Services - Greensburg |

Associated Lab Samples: 92686684001, 92686684002, 92686684003, 92686684004, 92686684005, 92686684006, 92686684007, 92686684008, 92686684009, 92686684010, 92686684011, 92686684012

METHOD BLANK: 2997146 Matrix: Water

Associated Lab Samples: 92686684001, 92686684002, 92686684003, 92686684004, 92686684005, 92686684006, 92686684007, 92686684008, 92686684009, 92686684010, 92686684011, 92686684012

| Parameter | Act ± Unc (MDC) Carr Trac | Units | Analyzed | Qualifiers |
|------------|----------------------------------|-------|----------------|------------|
| Radium-226 | 0.171 ± 0.140 (0.267) C:87% T:NA | pCi/L | 10/03/23 08:21 | |

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant McD AP-234 Assessmen-RAD
 Pace Project No.: 92686684

QC Batch: 616172 Analysis Method: EPA 9315
 QC Batch Method: EPA 9315 Analysis Description: 9315 Total Radium
 Laboratory: Pace Analytical Services - Greensburg
 Associated Lab Samples: 92686684013, 92686684014, 92686684015, 92686684016, 92686684017, 92686684018, 92686684019,
 92686684020, 92686684021, 92686684022

METHOD BLANK: 3000655 Matrix: Water
 Associated Lab Samples: 92686684013, 92686684014, 92686684015, 92686684016, 92686684017, 92686684018, 92686684019,
 92686684020, 92686684021, 92686684022

| Parameter | Act ± Unc (MDC) Carr Trac | Units | Analyzed | Qualifiers |
|------------|-----------------------------------|-------|----------------|------------|
| Radium-226 | 0.0455 ± 0.105 (0.248) C:93% T:NA | pCi/L | 10/04/23 08:14 | |

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant McD AP-234 Assessmen-RAD

Pace Project No.: 92686684

| | | | |
|------------------|----------|-----------------------|---------------------------------------|
| QC Batch: | 616402 | Analysis Method: | EPA 9320 |
| QC Batch Method: | EPA 9320 | Analysis Description: | 9320 Radium 228 |
| | | Laboratory: | Pace Analytical Services - Greensburg |

Associated Lab Samples: 92686684013, 92686684014, 92686684015, 92686684016, 92686684017, 92686684018, 92686684019, 92686684020, 92686684021, 92686684022, 92686684023, 92686684024, 92686684025, 92686684026, 92686684027

| | | | |
|---------------|---------|---------|-------|
| METHOD BLANK: | 3001841 | Matrix: | Water |
|---------------|---------|---------|-------|

Associated Lab Samples: 92686684013, 92686684014, 92686684015, 92686684016, 92686684017, 92686684018, 92686684019, 92686684020, 92686684021, 92686684022, 92686684023, 92686684024, 92686684025, 92686684026, 92686684027

| Parameter | Act ± Unc (MDC) Carr Trac | Units | Analyzed | Qualifiers |
|------------|-------------------------------------|-------|----------------|------------|
| Radium-228 | 0.00537 ± 0.288 (0.675) C:78% T:81% | pCi/L | 09/27/23 11:07 | |

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant McD AP-234 Assessmen-RAD

Pace Project No.: 92686684

| | | | |
|------------------|----------|-----------------------|---------------------------------------|
| QC Batch: | 615448 | Analysis Method: | EPA 9320 |
| QC Batch Method: | EPA 9320 | Analysis Description: | 9320 Radium 228 |
| | | Laboratory: | Pace Analytical Services - Greensburg |

Associated Lab Samples: 92686684001, 92686684002, 92686684003, 92686684004, 92686684005, 92686684006, 92686684007, 92686684008, 92686684009, 92686684010, 92686684011, 92686684012

| | | | |
|---------------|---------|---------|-------|
| METHOD BLANK: | 2997151 | Matrix: | Water |
|---------------|---------|---------|-------|

Associated Lab Samples: 92686684001, 92686684002, 92686684003, 92686684004, 92686684005, 92686684006, 92686684007, 92686684008, 92686684009, 92686684010, 92686684011, 92686684012

| Parameter | Act ± Unc (MDC) Carr Trac | Units | Analyzed | Qualifiers |
|------------|-----------------------------------|-------|----------------|------------|
| Radium-228 | 0.338 ± 0.316 (0.637) C:80% T:88% | pCi/L | 09/26/23 11:59 | |

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant McD AP-234 Assessmen-RAD

Pace Project No.: 92686684

| | | | |
|------------------|----------|-----------------------|---------------------------------------|
| QC Batch: | 616760 | Analysis Method: | EPA 9315 |
| QC Batch Method: | EPA 9315 | Analysis Description: | 9315 Total Radium |
| | | Laboratory: | Pace Analytical Services - Greensburg |

Associated Lab Samples: 92686684023, 92686684024, 92686684025, 92686684026, 92686684027

METHOD BLANK: 3003588 Matrix: Water

Associated Lab Samples: 92686684023, 92686684024, 92686684025, 92686684026, 92686684027

| Parameter | Act ± Unc (MDC) Carr Trac | Units | Analyzed | Qualifiers |
|------------|-----------------------------------|-------|----------------|------------|
| Radium-226 | 0.0109 ± 0.102 (0.265) C:89% T:NA | pCi/L | 10/04/23 18:28 | |

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QUALIFIERS

Project: Plant McD AP-234 Assessmen-RAD

Pace Project No.: 92686684

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

Act - Activity

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

Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

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

TNI - The NELAC Institute.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant McD AP-234 Assessmen-RAD

Pace Project No.: 92686684

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|----------------|-----------------|----------|-------------------|------------------|
| 92686684001 | MCD-B-93 | EPA 9315 | 615447 | | |
| 92686684002 | MCD-B-92 | EPA 9315 | 615447 | | |
| 92686684003 | MCD-B-97 | EPA 9315 | 615447 | | |
| 92686684004 | MCD-B-98 | EPA 9315 | 615447 | | |
| 92686684005 | MCD-AP234-FB-4 | EPA 9315 | 615447 | | |
| 92686684006 | MCD-AP234-EB-4 | EPA 9315 | 615447 | | |
| 92686684007 | MCD-B-63 | EPA 9315 | 615447 | | |
| 92686684008 | MCD-B-122D | EPA 9315 | 615447 | | |
| 92686684009 | MCD-B-101D | EPA 9315 | 615447 | | |
| 92686684010 | MCD-B-56 | EPA 9315 | 615447 | | |
| 92686684011 | MCD-AP234-FD-5 | EPA 9315 | 615447 | | |
| 92686684012 | MCD-AP234-FB-5 | EPA 9315 | 615447 | | |
| 92686684013 | MCD-B-102D | EPA 9315 | 616172 | | |
| 92686684014 | MCD-B-82 | EPA 9315 | 616172 | | |
| 92686684015 | MCD-B-66 | EPA 9315 | 616172 | | |
| 92686684016 | MCD-B-106D | EPA 9315 | 616172 | | |
| 92686684017 | MCD-AP234-FD-4 | EPA 9315 | 616172 | | |
| 92686684018 | MCD-AP234-EB-5 | EPA 9315 | 616172 | | |
| 92686684019 | MCD-B-77 | EPA 9315 | 616172 | | |
| 92686684020 | MCD-B-83 | EPA 9315 | 616172 | | |
| 92686684021 | MCD-B-88 | EPA 9315 | 616172 | | |
| 92686684022 | MCD-B-107D | EPA 9315 | 616172 | | |
| 92686684023 | MCD-B-120D | EPA 9315 | 616760 | | |
| 92686684024 | MCD-B-104D | EPA 9315 | 616760 | | |
| 92686684025 | MCD-B-108D | EPA 9315 | 616760 | | |
| 92686684026 | MCD-B-111D | EPA 9315 | 616760 | | |
| 92686684027 | MCD-B-125D | EPA 9315 | 616760 | | |
| 92686684001 | MCD-B-93 | EPA 9320 | 615448 | | |
| 92686684002 | MCD-B-92 | EPA 9320 | 615448 | | |
| 92686684003 | MCD-B-97 | EPA 9320 | 615448 | | |
| 92686684004 | MCD-B-98 | EPA 9320 | 615448 | | |
| 92686684005 | MCD-AP234-FB-4 | EPA 9320 | 615448 | | |
| 92686684006 | MCD-AP234-EB-4 | EPA 9320 | 615448 | | |
| 92686684007 | MCD-B-63 | EPA 9320 | 615448 | | |
| 92686684008 | MCD-B-122D | EPA 9320 | 615448 | | |
| 92686684009 | MCD-B-101D | EPA 9320 | 615448 | | |
| 92686684010 | MCD-B-56 | EPA 9320 | 615448 | | |
| 92686684011 | MCD-AP234-FD-5 | EPA 9320 | 615448 | | |
| 92686684012 | MCD-AP234-FB-5 | EPA 9320 | 615448 | | |
| 92686684013 | MCD-B-102D | EPA 9320 | 616402 | | |
| 92686684014 | MCD-B-82 | EPA 9320 | 616402 | | |
| 92686684015 | MCD-B-66 | EPA 9320 | 616402 | | |
| 92686684016 | MCD-B-106D | EPA 9320 | 616402 | | |
| 92686684017 | MCD-AP234-FD-4 | EPA 9320 | 616402 | | |
| 92686684018 | MCD-AP234-EB-5 | EPA 9320 | 616402 | | |
| 92686684019 | MCD-B-77 | EPA 9320 | 616402 | | |
| 92686684020 | MCD-B-83 | EPA 9320 | 616402 | | |

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant McD AP-234 Assessmen-RAD

Pace Project No.: 92686684

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|----------------|--------------------------|----------|-------------------|------------------|
| 92686684021 | MCD-B-88 | EPA 9320 | 616402 | | |
| 92686684022 | MCD-B-107D | EPA 9320 | 616402 | | |
| 92686684023 | MCD-B-120D | EPA 9320 | 616402 | | |
| 92686684024 | MCD-B-104D | EPA 9320 | 616402 | | |
| 92686684025 | MCD-B-108D | EPA 9320 | 616402 | | |
| 92686684026 | MCD-B-111D | EPA 9320 | 616402 | | |
| 92686684027 | MCD-B-125D | EPA 9320 | 616402 | | |
| 92686684001 | MCD-B-93 | Total Radium Calculation | 619760 | | |
| 92686684002 | MCD-B-92 | Total Radium Calculation | 619760 | | |
| 92686684003 | MCD-B-97 | Total Radium Calculation | 619760 | | |
| 92686684004 | MCD-B-98 | Total Radium Calculation | 619760 | | |
| 92686684005 | MCD-AP234-FB-4 | Total Radium Calculation | 619760 | | |
| 92686684006 | MCD-AP234-EB-4 | Total Radium Calculation | 619760 | | |
| 92686684007 | MCD-B-63 | Total Radium Calculation | 619760 | | |
| 92686684008 | MCD-B-122D | Total Radium Calculation | 619760 | | |
| 92686684009 | MCD-B-101D | Total Radium Calculation | 619760 | | |
| 92686684010 | MCD-B-56 | Total Radium Calculation | 619760 | | |
| 92686684011 | MCD-AP234-FD-5 | Total Radium Calculation | 619760 | | |
| 92686684012 | MCD-AP234-FB-5 | Total Radium Calculation | 619760 | | |
| 92686684013 | MCD-B-102D | Total Radium Calculation | 620330 | | |
| 92686684014 | MCD-B-82 | Total Radium Calculation | 620330 | | |
| 92686684015 | MCD-B-66 | Total Radium Calculation | 620330 | | |
| 92686684016 | MCD-B-106D | Total Radium Calculation | 620330 | | |
| 92686684017 | MCD-AP234-FD-4 | Total Radium Calculation | 620330 | | |
| 92686684018 | MCD-AP234-EB-5 | Total Radium Calculation | 620330 | | |
| 92686684019 | MCD-B-77 | Total Radium Calculation | 620332 | | |
| 92686684020 | MCD-B-83 | Total Radium Calculation | 620332 | | |
| 92686684021 | MCD-B-88 | Total Radium Calculation | 620332 | | |
| 92686684022 | MCD-B-107D | Total Radium Calculation | 620332 | | |
| 92686684023 | MCD-B-120D | Total Radium Calculation | 620771 | | |
| 92686684024 | MCD-B-104D | Total Radium Calculation | 620771 | | |
| 92686684025 | MCD-B-108D | Total Radium Calculation | 620771 | | |
| 92686684026 | MCD-B-111D | Total Radium Calculation | 620771 | | |
| 92686684027 | MCD-B-125D | Total Radium Calculation | 620771 | | |

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.



DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Sheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

Gen-Power

Project #

WO#: 92686684



Carrier: Fed Ex UPS USPS Client
 Home Other: _____

Study Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: *9-7-23 JLC*

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen?

Yes No N/A

Thermometer:

IR Gun ID: *730*

Type of Ice: Wet Blue None

Ambient Temp: *7.3* Correction Factor: Add/Subtract (°C) *0.0*

Temp should be above freezing to 6°C

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

Ambient Temp Corrected (°C) *7.3*

IDA Regulated Soil (N/A water sample)

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

EVENT NOTIFICATION/RESOLUTION

Person contacted:

Date/Time:

Project Manager SCURF Review:

Date:

Project Manager SRF Review:

Date:



DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

WO#: 92686684

PM: BV

Due Date: 09/28/23

Exceptions: VOA, Coliform, TOC Oil and Grease, DRO/8015 (water) DOC, LLHg

CLIENT: 92-GA Power

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

| Item# | BP4U-125 mL Plastic Unpreserved (N/A) (Cl-) | BP3U-250 mL Plastic Unpreserved (N/A) | BP2U-500 mL Plastic Unpreserved (N/A) | BP1U-1 liter Plastic Unpreserved (N/A) | BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-) | BP3N-250 mL plastic HNO3 (pH < 2) | BP4Z-125 mL Plastic ZN Acetate & NaOH (>9) | BP4B-125 mL Plastic NaOH (pH > 12) (Cl-) | WGFU-Wide-mouthed Glass Jar Unpreserved | AG1U-1 liter Amber Unpreserved (N/A) (Cl-) | AG1H-1 liter Amber HCl (pH < 2) | AG3U-250 mL Amber Unpreserved (N/A) (Cl-) | AG1S-1 liter Amber H2SO4 (pH < 2) | AG3S-250 mL Amber H2SO4 (pH < 2) | DG94-40 mL Amber NH4Cl (N/A)(Cl-) | DG9H-40 mL VOA HCl (N/A) | VG9T-40 mL VOA Na2S2O3 (N/A) | VG9U-40 mL VOA Unpreserved (N/A) | DG9V-40 mL VOA H3PO4 (N/A) | KP7U-50 mL Plastic Unpreserved (N/A) | V/GK (3 vials per kit)-YPH/Gas kit (N/A) | SP5T-125 mL Sterile Plastic (N/A - lab) | SP2T-250 mL Sterile Plastic (N/A - lab) | BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7) | AG0U-100 mL Amber Unpreserved (N/A) (Cl-) | V5GU-20 mL Scintillation vials (N/A) | DG9U-40 mL Amber Unpreserved vials (N/A) | | |
|-------|---|---------------------------------------|---------------------------------------|--|--|-----------------------------------|--|--|---|--|---------------------------------|---|-----------------------------------|----------------------------------|-----------------------------------|--------------------------|------------------------------|----------------------------------|----------------------------|--------------------------------------|--|---|---|---|---|--------------------------------------|--|--|--|
| 1 | | 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

pH Adjustment Log for Preserved Samples

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

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

Requester
Date: _____

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:

Company: George Power Coal Development Partners
 Address: 2480 Main Road
Alhambra, CA 90029

Section B Required Project Information:

Report to: Lillian Chai
 Copy to: HRP

Section C Section Information:

Matrix: Substance/Contaminant
 Contingency Name: _____
 Project Name: Park MCD Air 234 Assessment
 Project #: 3100340 MCD23
 Purchase Order #: _____
 Price Quote #: _____
 Price Project Manager: Dorcas Vang
 Price Profile #: _____

| ITEM # | SAMPLE ID City/Zip per box/ID (AZ, CA, IL, etc.) Sample IDs must be unique | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G-GRAB C-COMP) | DATE | TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Preservatives | | | | | | | Analysis Test | | | | | | Received Chlorine (Y/N) | | | | |
|--------|---|---------------------------------------|-----------------------------|--------|-------|---------------------------|-----------------|-------------------|-------|------------|-----|-------------------|---------|----------|---------------|----|----|----|----|----|-------------------------|----|----|----|------------|
| | | | | | | | | Unpreserved - Ice | H2SO4 | HNOS + Ice | HCl | NaOH + Zn Acetate | Na2S2O5 | Methanol | Other | As | Pb | Cd | Cr | Mn | | Ni | Se | TC | Alkalinity |
| 1 | MCD-B-99 | WG | G | 9/2/23 | 11:49 | | 7 | 3 | 3 | 1 | | | | | | | | | | | | | | | 001 |
| 2 | MCD-B-92 | WG | G | 9/2/23 | 11:38 | | 7 | 3 | 3 | 1 | | | | | | | | | | | | | | | 002 |
| 3 | MCD-B-97 | WG | G | 9/2/23 | 13:20 | | 7 | 3 | 3 | 1 | | | | | | | | | | | | | | | 003 |
| 4 | MCD-B-98 | WG | G | 9/2/23 | 15:19 | | 7 | 3 | 3 | 1 | | | | | | | | | | | | | | | 004 |
| 5 | MCD-AP234-FB-4 | WG | G | 9/2/23 | 11:30 | | 7 | 3 | 3 | 1 | | | | | | | | | | | | | | | 005 |
| 6 | MCD-AP234-FB-4 | WG | G | 9/2/23 | 12:00 | | 7 | 3 | 3 | 1 | | | | | | | | | | | | | | | 006 |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | |

ANALYST COMMENTS

Requested by: _____ DATE: _____ TIME: _____

Completed by: _____ DATE: _____

TEMP in C

Received on load (Y/N)

Cooled/Sealed/Cooled (Y/N)

Sample Weight (Y/N)

92686684



Effective Date: 11/14/2022

laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

GA Power

Project #:

WO#: 92686684

Courier: Commercial Fed Ex Pace UPS USPS Client Other:

PM: BV Due Date: 09/28/23 CLIENT: 92-GA Power

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 9/8/23

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer:

IR Gun ID:

230

Type of Ice: Wet Blue None

Cooler Temp: 4.1 Correction Factor: Add/Subtract (°C) 0.0

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

Cooler Temp Corrected (°C): 4.1

USDA Regulated Soil (N/A, water sample)

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



DC#_ Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project : **WO# : 92686684**

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

PM: BV Due Date: 09/28/23

**Bottom half of box is to list number of bottles

CLIENT: 92-GA Power

***Check all unpreserved Nitrates for chlorine

| Item# | BP4U-125 mL Plastic Unpreserved (N/A) (Cl-) | BP3U-250 mL Plastic Unpreserved (N/A) | BP2U-500 mL Plastic Unpreserved (N/A) | BP1U-1 liter Plastic Unpreserved (N/A) | BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-) | BP3N-250 mL plastic HNO3 (pH < 2) | BP4Z-125 mL Plastic ZN Acetate & NaOH (>9) | BP4B-125 mL Plastic NaOH (pH > 12) (Cl-) | WGFLU-Wide-mouthed Glass jar Unpreserved | AG1U-1 liter Amber Unpreserved (N/A) (Cl-) | AG1H-1 liter Amber HCl (pH < 2) | AG3U-250 mL Amber Unpreserved (N/A) (Cl-) | AG1S-1 liter Amber H2SO4 (pH < 2) | AG3S-250 mL Amber H2SO4 (pH < 2) | DG94-40 mL Amber NH4Cl (N/A)(Cl-) | DG9H-40 mL VOA HCl (N/A) | VG9T-40 mL VOA Na2S2O3 (N/A) | VG9U-40 mL VOA Unpreserved (N/A) | DG9V-40 mL VOA H3PO4 (N/A) | KP7U-50 mL Plastic Unpreserved (N/A) | V/GK (3 vials per kit)-VPH/Gas kit (N/A) | SP5T-125 mL Sterile Plastic (N/A -- lab) | SP2T-250 mL Sterile Plastic (N/A -- lab) | BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7) | AG0U-100 mL Amber Unpreserved (N/A) (Cl-) | VSGU-20 mL Scintillation vials (N/A) | DG9U-40 mL Amber Unpreserved vials (N/A) | |
|-------|---|---------------------------------------|---------------------------------------|--|--|-----------------------------------|--|--|--|--|---------------------------------|---|-----------------------------------|----------------------------------|-----------------------------------|--------------------------|------------------------------|----------------------------------|----------------------------|--------------------------------------|--|--|--|---|---|--------------------------------------|--|--|
| 1 | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

pH Adjustment Log for Preserved Samples

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

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

Signature

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information: Section B Required Project Information: Section C Invoice Information: 1 OF 1

Company: Georgia Power - Ogle Commission Residents
Address: 2460 Marner Road, Atlanta, GA 30338
Phone: (478) 620-6176
Fax: (478) 620-6176
Purchase Order #: Plant MCD AP-234 Assessment
Project Name: Project # 31406440/MCD23
Requested Due Date: 10 Day TAT
Company Name: scmiinvoices@scmihermos.com
Address:
Fax Number:
Fax Project Manager: Bonnie Vang
State/Location: GA

| ITEM # | MATRIX | CODE | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | DATE | TIME | SAMPLE TEMP AT COLLECTION | | Preservatives | | | | | | | Analyses Test | | | | | | Residual Chlorine (Y/N) | TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N) | | | | | |
|--------|----------------|------|---------------------------------------|-----------------------------|-------|------|---------------------------|-------|---------------|-----|-------------------|---------|----------|-------|-----|---------------|-----|-----|-----|-----|-----|-------------------------|-----------|-----------------------|-----------------------------|----------------------|------------|-----|--|--|--|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Unpreserved - Ice | H2SO4 | HNO3 + Ice | HCl | NaOH + Zn Acetate | Na2S2O3 | Methanol | Other | Y/N | Y/N | Y/N | Y/N | Y/N | Y/N | Y/N | | | | | | Y/N | Y/N | | | |
| 1 | MCD-B-63 | WG | G | 9/7/23 | 12:06 | | | 7 | 3 | 3 | 3 | 1 | | | X | X | X | X | X | X | | | | | | | U37 | | | | |
| 2 | MCD-B-122D | WG | G | 9/7/23 | 15:11 | | | 7 | 3 | 3 | 3 | 1 | | | X | X | X | X | X | X | | | | | | U69 | | | | | |
| 3 | MCD-B-101D | WG | G | 9/8/23 | 10:35 | | | 9 | 3 | 5 | 5 | 1 | | | X | X | X | X | X | X | | | | | | U59 | EXTRA RADS | | | | |
| 4 | MCD-B-56 | WG | G | 9/8/23 | 10:38 | | | 7 | 3 | 3 | 3 | 1 | | | X | X | X | X | X | X | | | | | | U10 | | | | | |
| 6 | MCD-AP234-FD-6 | WG | G | 9/7/23 | - | | | 7 | 3 | 3 | 3 | 1 | | | X | X | X | X | X | X | | | | | | U11 | | | | | |
| 7 | MCD-AP234-FB-5 | WG | G | 9/7/23 | 12:35 | | | 7 | 3 | 3 | 3 | 1 | | | X | X | X | X | X | X | | | | | | U12 | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

ADDITIONAL COMMENTS:
RELINQUISHED BY:
AFFILIATION:
DATE:
TIME:
ACCEPTED BY:
AFFILIATION:
DATE:
TIME:
SAMPLE CONDITIONS:
DATE Signed:
TEMP in C:
Received on Ice (Y/N):
Custody Sealed Cooler (Y/N):
Samples Intact (Y/N):

Handwritten signature

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

| | | | | | |
|-------------------------------|--|-------------------------------------|----------------|------------------------|-----------------------------|
| Section A | | Section B | | Section C | |
| Requested Client Information: | | Requested Project Information: | | Invoice Information: | |
| Company: | Geopoll, Ewert - Coal Combustion Residuals | Request To: | Lauren Collier | Address: | seeinfo@geopoll.com |
| Address: | 2460 Marz Road Atlanta, GA 30338 | Copy To: | WESP | Company Name: | |
| Email: | lauren@geopoll.com | Purchase Order #: | | Project Name: | Plant Med AP-254 Assessment |
| Phone: | (478) 838-9178 | Project #: | 3108448.M2525 | Plant Project Manager: | Bonnie Vargo |
| Requested Due Date: | 10 Day TAT | Requested Analytical Protocol (Y/N) | | Plant Project #: | |

| ITEM # | SAMPLE ID <small>One Character per box. (A-Z, 0-9, /, -) Sample IDs must be unique</small> | MATRIX <small>Other Water Water Vapor Soil Sludge Other</small> | CORE <small>DV WT WW P R WV M AT OT</small> | MATRIX CODE (see wild codes to left) | SAMPLE TYPE (G-GRAB C-COMP) | DATE | TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Preservatives | | | | | | | Analytical Tests | | | | | Residual Chlorine (Y/N) | | | | |
|--------|---|--|--|--------------------------------------|-----------------------------|---------|-------|---------------------------|-----------------|-------------------|-------|------------|-----|-------------------|-------|----------|------------------|-------------------------|------------|----------------|-----|-------------------------|------------|---------|-----|--|
| | | | | | | | | | | Unpreserved - Ice | H2SO4 | HNO3 + Ice | HCl | NaOH + Zn Acetate | H2SO6 | Methanol | Other | App BIV + Mg, Mn, K, Fe | Cl, F, SO4 | Radium 226/232 | TDS | | Alkalinity | Sulfide | | |
| 1 | MCD-B-102D | | | WG | G | 9/11/23 | 10:48 | | 1 | 3 | 3 | 1 | | | | | | X | X | X | X | X | | | 013 | |
| 2 | MCD-B-82 | | | WG | G | 9/11/23 | 11:37 | | 1 | 3 | 3 | 1 | | | | | | X | X | X | X | X | | | 014 | |
| 3 | MCD-B-86 | | | WG | G | 9/11/23 | 13:57 | | 1 | 3 | 3 | 1 | | | | | | X | X | X | X | X | | | 015 | |
| 4 | MCD-B-108D | | | WG | G | 9/11/23 | 15:38 | | 1 | 3 | 3 | 1 | | | | | | X | X | X | X | X | | | 016 | |
| 5 | MCD-AP234-FO-4 | | | WG | G | 9/11/23 | - | | 1 | 3 | 3 | 1 | | | | | | X | X | X | X | X | | | 017 | |
| 7 | MCD-AP234-EB-5 | | | WG | G | 9/11/23 | 11:58 | | 1 | 3 | 3 | 1 | | | | | | X | X | X | X | X | | | 018 | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | | |

ADDITIONAL COMMENTS: TANK COOP - MCD-CCR-ASBWT-2023S2

REMOVED BY: WY DATE: 09/11/23 TIME: 8:30

ACCEPTED BY: DATE: 9/11/23

TEMP in C: _____

Received on Ice (Y/N): _____

Custody Sealed Cooler (Y/N): _____

Samples Intact (Y/N): _____

DATE Signed: _____

Laboratory receiving samples:

- Asheville
- Eden
- Greenwood
- Huntersville
- Raleigh
- Mechanicville
- Atlanta
- Kernersville

Sample Condition
 Upon Receipt

Client Name: **GA Powder**

Project #:

Courier: Commercial

Fed Ex
 UPS
 USPS
 Other: _____

Client

Custody Seal Present? Yes No

Seals Intact? Yes No

Packing Material: Bubble Wrap

Bubble Bags

None Other

Thermometer: IR gun ID: **053**

Correction Factor: **4.8**

Add/Subtract (C): **0.0**

Cooler Temp Corrected (C): **4.8**

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC Yes No

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

Temp should be above freezing to 6°C

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

Biological Tissue Frozen? Yes No N/A

Type of Ice: Wet Blue None

Date/Initials Person Examining Contents: **4-2-23**

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

CLIENT NOTIFICATION/RESOLUTION

Lot ID of split containers:

Person contacted:

Date/Time:

Project Manager SCURF Review:

Project Manager SRF Review:

Date:

Date:

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

Project #

| Item# | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|----|----|----|
| BP4U-125 mL Plastic Unpreserved (N/A) (Cl-) | | | | | | | | | | | | |
| BP3U-250 mL Plastic Unpreserved (N/A) | | | | | | | | | | | | |
| BP2U-500 mL Plastic Unpreserved (N/A) | | | | | | | | | | | | |
| BP1U-1 liter Plastic Unpreserved (N/A) | | | | | | | | | | | | |
| BP45-125 mL Plastic H2SO4 (pH < 2) (Cl-) | | | | | | | | | | | | |
| BP3N-250 mL plastic HNO3 (pH < 2) | | | | | | | | | | | | |
| BP4Z-125 mL Plastic ZN Acetate & NaOH (-9) | | | | | | | | | | | | |
| BP4B-125 mL Plastic NaOH (pH > 12) (Cl-) | | | | | | | | | | | | |
| WGFU-Wide-mouthed Glass Jar Unpreserved | | | | | | | | | | | | |
| AG1U-1 liter Amber Unpreserved (N/A) (Cl-) | | | | | | | | | | | | |
| AG1H-1 liter Amber HCl (pH < 2) | | | | | | | | | | | | |
| AG3U-250 mL Amber Unpreserved (N/A) (Cl-) | | | | | | | | | | | | |
| AG15-1 liter Amber H2SO4 (pH < 2) | | | | | | | | | | | | |
| AG3S-250 mL Amber H2SO4 (pH < 2) | | | | | | | | | | | | |
| DG94-40 mL Amber NH4Cl (N/A)(Cl-) | | | | | | | | | | | | |
| DG9H-40 mL VOA HCl (N/A) | | | | | | | | | | | | |
| VG9T-40 mL VOA Na2S2O3 (N/A) | | | | | | | | | | | | |
| VG9U-40 mL VOA Unpreserved (N/A) | | | | | | | | | | | | |
| DG9V-40 mL VOA H3PO4 (N/A) | | | | | | | | | | | | |
| KP7U-50 mL Plastic Unpreserved (N/A) | | | | | | | | | | | | |
| V/GK (3 vials per kit)-VPH/Gas kit (N/A) | | | | | | | | | | | | |
| SP5T-125 mL Sterile Plastic (N/A - lab) | | | | | | | | | | | | |
| SP2T-250 mL Sterile Plastic (N/A - lab) | | | | | | | | | | | | |
| BP3N-250 mL Plastic (NH2)2SO4 (9.3-9.7) | | | | | | | | | | | | |
| AG0U-100 mL Amber Unpreserved (N/A) (Cl-) | | | | | | | | | | | | |
| VSGU-20 mL Scintillation vials (N/A) | | | | | | | | | | | | |
| DG9U-40 mL Amber Unpreserved vials (N/A) | | | | | | | | | | | | |

pH Adjustment Log for Preserved Samples

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

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



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

WO#: **92686684**

PM: BV Due Date: 09/28/23
CLIENT: 92-GA Power

Courier: Fed Ex UPS USPS Client
 Commercial Pace Other:

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 9-13-23 HV

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen?

Yes No N/A

Thermometer:

IR Gun ID:

083

Type of Ice:

Wet Blue None

Cooler Temp:

2.9

Correction Factor: Add/Subtract (°C)

0.0

Temp should be above freezing to 6°C

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

Cooler Temp Corrected (°C): 2.9

USDA Regulated Soil (N/A, water sample)

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted:

Date/Time:

Project Manager SCURF Review:

Date:

Project Manager SRF Review:

Date:



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

WO#: 92686684

PM: BV

Due Date: 09/28/23

CLIENT: 92-GA Power

| Item# | BP4U-125 mL Plastic Unpreserved (N/A) (Cl-) | BP3U-250 mL Plastic Unpreserved (N/A) | BP2U-500 mL Plastic Unpreserved (N/A) | BP1U-1 liter Plastic Unpreserved (N/A) | BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-) | BP3N-250 mL plastic HNO3 (pH < 2) | BP4Z-125 mL Plastic ZN Acetate & NaOH (>9) | BP4B-125 mL Plastic NaOH (pH > 12) (Cl-) | WGFLU-Wide-mouthed Glass Jar Unpreserved | AG1U-1 liter Amber Unpreserved (N/A) (Cl-) | AG1H-1 liter Amber HCl (pH < 2) | AG3U-250 mL Amber Unpreserved (N/A) (Cl-) | AG1S-1 liter Amber H2SO4 (pH < 2) | AG3S-250 mL Amber H2SO4 (pH < 2) | DG94-40 mL Amber NH4Cl (N/A)(Cl-) | DG9H-40 mL VOA HCl (N/A) | VG9T-40 mL VOA Na2SO3 (N/A) | VG9U-40 mL VOA Unpreserved (N/A) | DG9V-40 mL VOA H3PO4 (N/A) | KP7U-50 mL Plastic Unpreserved (N/A) | V/GK (3 vials per kit)-VPH/Gas kit (N/A) | SP5T-125 mL Sterile Plastic (N/A - lab) | SP2T-250 mL Sterile Plastic (N/A - lab) | BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7) | AG0U-100 mL Amber Unpreserved (N/A) (Cl-) | VSGU-20 mL Scintillation vials (N/A) | DG9U-40 mL Amber Unpreserved vials (N/A) | | |
|-------|---|---------------------------------------|---------------------------------------|--|--|-----------------------------------|--|--|--|--|---------------------------------|---|-----------------------------------|----------------------------------|-----------------------------------|--------------------------|-----------------------------|----------------------------------|----------------------------|--------------------------------------|--|---|---|---|---|--------------------------------------|--|--|--|
| 1 | | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

pH Adjustment Log for Preserved Samples

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

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



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
 Required Client Information:
 Company: Georgia Power - Coal Combustion Residuals
 Report To: Lauren Collier
 Address: 2480 Marner Road
 Atlanta, GA 30339
 Phone: (478) 620-9178
 Fax: 10 Day TAT

Section B
 Required Project Information:
 Client: Leuran Collier
 Company Name: southeaste@pacemco.com
 Address: 2480 Marner Road
 Atlanta, GA 30339
 Project Name: Plant MCD AP-234 Assessment
 Project #: 31494463.462323
 Purchase Order #: 10 Day TAT
 Date: 10 Day TAT

Section C
 Invoice Information:
 Report To: Lauren Collier
 Company Name: southeaste@pacemco.com
 Address: 2480 Marner Road
 Atlanta, GA 30339
 Project Name: Plant MCD AP-234 Assessment
 Project #: 31494463.462323
 Date: 10 Day TAT

Section D
 Regulatory Agency: _____
 State / Location: GA

| ITEM # | MATRIX CODE (see yield codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | DATE | TIME | # OF CONTAINERS | PRESERVATIVES | | | | | | ANALYSES TEST | APPROVED ANALYSIS PERIOD (Y/N) | RECEIVED ON | TEMP # C | COOLING | SEALING | SAMPLE CONDITIONS | | | | | | | | | | | | | | | | | | | | |
|--------|---------------------------------------|-----------------------------|---------|-------|-----------------|---------------|------------|-----|-------------------|---------|----------|---------------|--------------------------------|-------------|----------|---------|---------|-------------------|-------|------------------------|------------|-----------------|-----|----------|---------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | | H2SO4 | HNO3 + Ice | HCl | NaOH + Zn Acetate | Na2S2O3 | Ascorbic | | | | | | | | Other | App RVV + Mg No. R, Fe | Cl, F, SO4 | Radon 95-130230 | TDS | Asbestos | Surfact | | | | | | | | | | | | | |
| 1 | MCD-B-77 | G | 9/12/23 | 11:06 | 7 | 3 | 3 | 1 | | | | | X | X | X | X | X | X | 019 | | | | | | | | | | | | | | | | | | | |
| 2 | MCD-B-83 | G | 9/12/23 | 13:03 | 7 | 3 | 3 | 1 | | | | | X | X | X | X | X | X | 020 | | | | | | | | | | | | | | | | | | | |
| 3 | MCD-B-88 | G | 9/12/23 | 14:10 | 8 | 3 | 3 | 1 | | | | | X | X | X | X | X | X | 021 | | | | | | | | | | | | | | | | | | | |
| 4 | MCD-B-107D | G | 9/12/23 | 9:46 | 7 | 3 | 3 | 1 | | | | | X | X | X | X | X | X | 022 | | | | | | | | | | | | | | | | | | | |
| 5 | MCD-B-120D | G | 9/12/23 | 9:36 | 7 | 3 | 3 | 1 | | | | | X | X | X | X | X | X | 023 | | | | | | | | | | | | | | | | | | | |

ADDITIONAL COMMENTS: MARK ANDY MSP 9/13/23 836 BY: BATH 9-17-23 WY: WY 9-20-23

RECEIVED BY / AFFILIATION: _____ **DATE:** _____

ACCEPTED BY / AFFILIATION: _____ **DATE:** _____

DATE SIGNED: _____



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name: G-A Power

Project # **WO# : 92686684**

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

PM: BV Due Date: 09/28/23

CLIENT: 92-GA Power

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 9-14-23/

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: IR Gun ID: 093 Type of Ice: Wet Blue None

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

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

Cooler Temp Corrected (°C): 3.9

USDA Regulated Soil (N/A, water sample)

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

WO#: 92686684

Project #

PM: BV

Due Date: 09/28/23

CLIENT: 92-GA Power

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DDC, LLHG

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

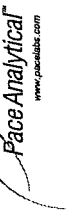
| Item# | BP4U-125 mL Plastic Unpreserved (N/A) (Cl-) | BP3U-250 mL Plastic Unpreserved (N/A) | BP2U-500 mL Plastic Unpreserved (N/A) | BP1U-1 liter Plastic Unpreserved (N/A) | BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-) | BP3N-250 mL plastic HNO3 (pH < 2) | BP4Z-125 mL Plastic ZN Acetate & NaOH (>9) | BP4B-125 mL Plastic NaOH (pH > 12) (Cl-) | WGFU-Wide-mouthed Glass jar Unpreserved | AG1U-1 liter Amber Unpreserved (N/A) (Cl-) | AG1H-1 liter Amber HCl (pH < 2) | AG3U-250 mL Amber Unpreserved (N/A) (Cl-) | AG1S-1 liter Amber H2SO4 (pH < 2) | AG3S-250 mL Amber H2SO4 (pH < 2) | DG94-40 mL Amber NH4Cl (N/A)(Cl-) | DG9H-40 mL VOA HCl (N/A) | VG9T-40 mL VOA Na2S2O3 (N/A) | VG9U-40 mL VOA Unpreserved (N/A) | DG9V-40 mL VOA H3PO4 (N/A) | KP7U-50 mL Plastic Unpreserved (N/A) | V/GK (3 vials per kit)-VPH/Gas kit (N/A) | SP5T-125 mL Sterile Plastic (N/A - lab) | SP2T-250 mL Sterile Plastic (N/A - lab) | BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7) | AG0U-100 mL Amber Unpreserved (N/A) (Cl-) | VSGU-20 mL Scintillation vials (N/A) | DG9U-40 mL Amber Unpreserved vials (N/A) | | |
|-------|---|---------------------------------------|---------------------------------------|--|--|-----------------------------------|--|--|---|--|---------------------------------|---|-----------------------------------|----------------------------------|-----------------------------------|--------------------------|------------------------------|----------------------------------|----------------------------|--------------------------------------|--|---|---|---|---|--------------------------------------|--|--|--|
| 1 | | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

pH Adjustment Log for Preserved Samples

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

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

Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-228
Analyst: VAL
Date: 9/21/2023
Worklist: 75370
Matrix: WT

| Method Blank Assessment | |
|-------------------------------------|---------|
| MB Sample ID | 3001841 |
| MB concentration: | 0.005 |
| M/B 2 Sigma CSU: | 0.288 |
| MB MDC: | 0.675 |
| MB Numerical Performance Indicator: | 0.04 |
| MB Status vs Numerical Indicator: | Pass |
| MB Status vs. MDC: | Pass |

| Laboratory Control Sample Assessment | LCSD (Y or N)? | |
|---|----------------|-----------|
| | LCSD75370 | LCSD75370 |
| Count Date: | 9/27/2023 | 9/27/2023 |
| Spike I.D.: | 23-043 | 23-043 |
| Decay Corrected Spike Concentration (pCi/mL): | 39.656 | 39.656 |
| Volume Used (mL): | 0.10 | 0.10 |
| Aliquot Volume (L, g, F): | 0.815 | 0.816 |
| Target Conc. (pCi/L, g, F): | 4.865 | 4.861 |
| Uncertainty (Calculated): | 0.238 | 0.238 |
| Result (pCi/L, g, F): | 5.836 | 4.985 |
| LCSD/LCSD 2 Sigma CSU (pCi/L, g, F): | 1.300 | 1.141 |
| Numerical Performance Indicator: | 1.44 | 0.21 |
| Percent Recovery: | 119.95% | 102.54% |
| Status vs Numerical Indicator: | Pass | N/A |
| Upper % Recovery Limits: | 135% | 135% |
| Lower % Recovery Limits: | 60% | 60% |

| Duplicate Sample Assessment | LCSD (Y or N)? | |
|--|----------------|-----------|
| | LCSD75370 | LCSD75370 |
| Sample I.D.: | LCSD75370 | LCSD75370 |
| Duplicate Sample I.D.: | 5.836 | 5.836 |
| Sample Result 2 Sigma CSU (pCi/L, g, F): | 1.300 | 1.300 |
| Sample Duplicate Result (pCi/L, g, F): | 4.985 | 4.985 |
| Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F): | 1.141 | 1.141 |
| Are sample and/or duplicate results below RL? | NO | NO |
| Duplicate Numerical Performance Indicator: | 0.965 | 0.965 |
| Duplicate (Based on the LCSD/LCSD Percent Recoveries) Duplicate RPD: | 15.65% | 15.65% |
| Duplicate Status vs Numerical Indicator: | Pass | Pass |
| Duplicate Status vs RPD: | Pass | Pass |
| % RPD Limit: | 36% | 36% |

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

Comments:

VAL
9/28/23

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

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



Quality Control Sample Performance Assessment

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-226
Analyst: SLC
Date: 9/26/2023
Worklist: 75356
Matrix: VIT

| Method Blank Assessment | |
|-------------------------------------|---------|
| MB Sample ID | 3000655 |
| MB concentration: | 0.045 |
| MB 2 Sigma CSU: | 0.105 |
| MB MDC: | 0.248 |
| MB Numerical Performance Indicator: | 0.85 |
| MB Status vs Numerical Indicator: | Pass |
| MB Status vs. MDC: | N/A |

| Laboratory Control Sample Assessment | | LCS/D (%) or N/P? | Y |
|--|-----------|-------------------|---|
| Count Date: | 10/4/2023 | LCS/D75356 | |
| Spike I.D.: | 23-014 | 10/4/2023 | |
| Decay Corrected Spike Concentration (pCi/ml.): | 23.030 | 25.030 | |
| Volume Used (ml.): | 0.10 | 0.10 | |
| Aliquot Volume (L, g, F): | 0.501 | 0.502 | |
| Target Conc. (pCi/L, g, F): | 4.999 | 4.998 | |
| Uncertainty (Calculated): | 0.235 | 0.234 | |
| Result (pCi/L, g, F): | 4.947 | 5.041 | |
| LCS/LCSD 2 Sigma CSU (pCi/L, g, F): | 0.887 | 0.896 | |
| Numerical Performance Indicator: | -0.11 | 0.11 | |
| Percent Recovery: | 98.95% | 101.06% | |
| Status vs Numerical Indicator: | Pass | Pass | |
| Status vs Recovery: | N/A | N/A | |
| Upper % Recovery Limits: | 125% | 125% | |
| Lower % Recovery Limits: | 75% | 75% | |

| Duplicate Sample Assessment | | LCS/D75356 | 9268698009 |
|---|--|------------|---------------|
| Sample I.D.: | Duplicate Sample I.D.: | LCS/D75356 | 9268698009DUP |
| Sample Result (pCi/L, g, F): | Sample Result (pCi/L, g, F): | 4.947 | 0.136 |
| Sample Result 2 Sigma CSU (pCi/L, g, F): | Sample Result 2 Sigma CSU (pCi/L, g, F): | 0.897 | 0.137 |
| Sample Duplicate Result (pCi/L, g, F): | Sample Duplicate Result (pCi/L, g, F): | 5.041 | 0.212 |
| Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F): | Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F): | 0.896 | 0.186 |
| Are sample and/or duplicate results below RL? | Duplicate Numerical Performance Indicator: | NO | See Below # |
| (Based on the LCS/LCSD Percent Recoveries) Duplicate RPD: | Duplicate Numerical Performance Indicator: | -0.145 | -0.686 |
| Duplicate Status vs Numerical Indicator: | Duplicate Status vs Numerical Indicator: | 2.11% | 43.88% |
| Duplicate Status vs RPD: | Duplicate Status vs RPD: | Pass | Pass |
| % RPD Limit: | % RPD Limit: | N/A | N/A |
| | | 25% | 25% |

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

| Matrix Spike/Matrix Spike Duplicate Sample Assessment | | MS/MSD 1 | MS/MSD 2 |
|---|---|----------|----------|
| Sample I.D.: | Sample MS I.D.: | | |
| Sample MS I.D.: | Sample MSD I.D.: | | |
| Sample MSD I.D.: | Matrix Spike Result 2 Sigma CSU (pCi/L, g, F): | | |
| Matrix Spike Result 2 Sigma CSU (pCi/L, g, F): | Sample Matrix Spike Duplicate Result: | | |
| Sample Matrix Spike Duplicate Result: | Duplicate Numerical Performance Indicator: | | |
| Duplicate Numerical Performance Indicator: | MS/MSD Duplicate Status vs Numerical Indicator: | | |
| MS/MSD Duplicate Status vs Numerical Indicator: | MS/MSD Duplicate Status vs RPD: | | |
| MS/MSD Duplicate Status vs RPD: | % RPD Limit: | | |
| % RPD Limit: | | | |

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

VAM1614123

Quality Control Sample Performance Assessment



Analyst: Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-226
Analyst: SLC
Date: 9/26/2023
Worklist: 75407
Matrix: WT

| Method Blank Assessment | |
|-------------------------------------|---------|
| MB Sample ID | 3003588 |
| MB concentration: | 0.011 |
| M/B 2 Sigma CSU: | 0.102 |
| MB MDC: | 0.265 |
| MB Numerical Performance Indicator: | 0.21 |
| MB Status vs Numerical Indicator: | Pass |
| MB Status vs. MDC: | N/A |

| Laboratory Control Sample Assessment | | LCS D (Y or N)? | Y |
|---|--|-----------------|------------|
| Count Date: | | LCS D75407 | LCS D75407 |
| Spike I.D.: | | 10/5/2023 | 10/5/2023 |
| Decay Corrected Spike Concentration (pCi/mL): | | 23-014 | 23-014 |
| Volume Used (mL): | | 25.030 | 25.030 |
| Aliquot Volume (L, g, F): | | 0.10 | 0.10 |
| Target Conc. (pCi/L, g, F): | | 0.501 | 0.503 |
| Uncertainty (Calculated): | | 4.998 | 4.981 |
| Result (pCi/L, g, F): | | 5.480 | 5.211 |
| LCS/LCSD 2 Sigma CSU (pCi/L, g, F): | | 0.964 | 0.927 |
| Numerical Performance Indicator: | | 0.95 | 0.47 |
| Percent Recovery: | | 109.66% | 104.62% |
| Status vs Numerical Indicator: | | Pass | Pass |
| Upper % Recovery Limits: | | 125% | 125% |
| Lower % Recovery Limits: | | 75% | 75% |

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

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

| Duplicate Sample Assessment | | LCS D (Y or N)? | Y |
|--|--|-----------------|----------------|
| Sample I.D.: | | LCS D75407 | LCS D75407 |
| Duplicate Sample I.D.: | | 92686980019 | 92686980019DUP |
| Sample Result (pCi/L, g, F): | | 5.480 | 0.251 |
| Sample Result 2 Sigma CSU (pCi/L, g, F): | | 0.964 | 0.154 |
| Sample Duplicate Result (pCi/L, g, F): | | 5.211 | 0.173 |
| Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F): | | 0.927 | 0.144 |
| Are sample and/or duplicate results below RL? | | NO | See Below ## |
| Duplicate Numerical Performance Indicator: | | 0.395 | 0.730 |
| Duplicate Numerical Performance Indicator: | | 4.70% | 37.05% |
| Duplicate Status vs Numerical Indicator: | | Pass | Pass |
| Duplicate Status vs RPD: | | N/A | N/A |
| % RPD Limit: | | 25% | 25% |

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

Comments:

[Handwritten signature]

LAM 10/5/23



October 18, 2023

Lauren Hartley
Southern Co.
241 Ralph McGill Blvd
NE, Bin 10160
Atlanta, GA 30308

RE: Project: Background Wells- RAD
Pace Project No.: 92686685

Dear Lauren Hartley:

Enclosed are the analytical results for sample(s) received by the laboratory between September 07, 2023 and September 08, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Greensburg

Revision 1: Report revised to amend collected time for MCD-DGWA-71.

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

Sincerely,

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

Enclosures

cc: Yong Cheng, WSP
Daniela Herrera, Golder
Andrea McClure, WSP
Laura Midkiff, Southern Co.
Dawn Prell, WSP USA E&I Inc_Atlanta



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Background Wells- RAD

Pace Project No.: 92686685

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601

ANAB DOD-ELAP Rad Accreditation #: L2417

ANABISO/IEC 17025:2017 Rad Cert#: L24170

Alabama Certification #: 41590

Arizona Certification #: AZ0734

Arkansas Certification

California Certification #: 2950

Colorado Certification #: PA01547

Connecticut Certification #: PH-0694

EPA Region 4 DW Rad

Florida/TNI Certification #: E87683

Georgia Certification #: C040

Guam Certification

Hawaii Certification

Idaho Certification

Illinois Certification

Indiana Certification

Iowa Certification #: 391

Kansas Certification #: E-10358

Kentucky Certification #: KY90133

KY WW Permit #: KY0098221

KY WW Permit #: KY0000221

Louisiana DHH/TNI Certification #: LA010

Louisiana DEQ/TNI Certification #: 04086

Maine Certification #: 2023021

Maryland Certification #: 308

Massachusetts Certification #: M-PA1457

Michigan/PADEP Certification #: 9991

Missouri Certification #: 235

Montana Certification #: Cert0082

Nebraska Certification #: NE-OS-29-14

Nevada Certification #: PA014572023-03

New Hampshire/TNI Certification #: 297622

New Jersey/TNI Certification #: PA051

New Mexico Certification #: PA01457

New York/TNI Certification #: 10888

North Carolina Certification #: 42706

North Dakota Certification #: R-190

Ohio EPA Rad Approval: #41249

Oregon/TNI Certification #: PA200002-015

Pennsylvania/TNI Certification #: 65-00282

Puerto Rico Certification #: PA01457

Rhode Island Certification #: 65-00282

South Dakota Certification

Tennessee Certification #: TN02867

Texas/TNI Certification #: T104704188-22-18

Utah/TNI Certification #: PA014572223-14

USDA Soil Permit #: 525-23-67-77263

Vermont Dept. of Health: ID# VT-0282

Virgin Island/PADEP Certification

Virginia/VELAP Certification #: 460198

Washington Certification #: C868

West Virginia DEP Certification #: 143

West Virginia DHHR Certification #: 9964C

Wisconsin Approve List for Rad

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Background Wells- RAD
Pace Project No.: 92686685

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|--------------|--------|----------------|----------------|
| 92686685001 | MCD-DGWA-70A | Water | 09/06/23 12:45 | 09/07/23 00:00 |
| 92686685002 | MCD-DGWA-71 | Water | 09/06/23 16:09 | 09/07/23 00:00 |
| 92686685003 | MCD-DGWA-53 | Water | 09/07/23 10:53 | 09/08/23 15:50 |

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Background Wells- RAD

Pace Project No.: 92686685

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|-------------|--------------|--------------------------|----------|-------------------|------------|
| 92686685001 | MCD-DGWA-70A | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | ZPC | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| 92686685002 | MCD-DGWA-71 | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | ZPC | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| 92686685003 | MCD-DGWA-53 | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | ZPC | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |

PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Background Wells- RAD

Pace Project No.: 92686685

Sample: MCD-DGWA-70A **Lab ID: 92686685001** Collected: 09/06/23 12:45 Received: 09/07/23 00:00 Matrix: Water
 PWS: Site ID: Sample Type:

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|--------------|---------------------------------------|--|-------|----------------|------------|------|
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.0368U ± 0.0854 (0.202) C:91% T:NA | pCi/L | 10/02/23 13:21 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 0.614U ± 0.394 (0.750) C:80% T:92% | pCi/L | 09/26/23 12:29 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 0.651U ± 0.479 (0.952) | pCi/L | 10/03/23 15:18 | 7440-14-4 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Background Wells- RAD

Pace Project No.: 92686685

Sample: MCD-DGWA-71 **Lab ID: 92686685002** Collected: 09/06/23 16:09 Received: 09/07/23 00:00 Matrix: Water
 PWS: Site ID: Sample Type:

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|---------------------------------------|--------------------------|---|-------|----------------|------------|------|
| Pace Analytical Services - Greensburg | | | | | | |
| Radium-226 | EPA 9315 | 0.203U ± 0.130 (0.215) C:92% T:NA | pCi/L | 10/02/23 13:22 | 13982-63-3 | |
| Pace Analytical Services - Greensburg | | | | | | |
| Radium-228 | EPA 9320 | 0.369U ± 0.305 (0.595) C:81% T:86% | pCi/L | 09/26/23 12:32 | 15262-20-1 | |
| Pace Analytical Services - Greensburg | | | | | | |
| Total Radium | Total Radium Calculation | 0.572U ± 0.435 (0.810) | pCi/L | 10/03/23 15:18 | 7440-14-4 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Background Wells- RAD

Pace Project No.: 92686685

Sample: MCD-DGWA-53 **Lab ID: 92686685003** Collected: 09/07/23 10:53 Received: 09/08/23 15:50 Matrix: Water
 PWS: Site ID: Sample Type:

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|--------------|---------------------------------------|---|-------|----------------|------------|------|
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 1.49 ± 0.350 (0.173) C:89% T:NA | pCi/L | 10/02/23 13:22 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 0.666U ± 0.428 (0.807) C:76% T:84% | pCi/L | 09/26/23 15:53 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 2.16 ± 0.778 (0.980) | pCi/L | 10/03/23 15:18 | 7440-14-4 | |

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
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QUALITY CONTROL - RADIOCHEMISTRY

Project: Background Wells- RAD

Pace Project No.: 92686685

QC Batch: 615444

Analysis Method: EPA 9315

QC Batch Method: EPA 9315

Analysis Description: 9315 Total Radium

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92686685001, 92686685002, 92686685003

METHOD BLANK: 2997136

Matrix: Water

Associated Lab Samples: 92686685001, 92686685002, 92686685003

| Parameter | Act ± Unc (MDC) Carr Trac | Units | Analyzed | Qualifiers |
|------------|----------------------------------|-------|----------------|------------|
| Radium-226 | 0.131 ± 0.132 (0.266) C:78% T:NA | pCi/L | 10/02/23 13:17 | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Background Wells- RAD

Pace Project No.: 92686685

QC Batch: 615445

Analysis Method: EPA 9320

QC Batch Method: EPA 9320

Analysis Description: 9320 Radium 228

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92686685001, 92686685002, 92686685003

METHOD BLANK: 2997141

Matrix: Water

Associated Lab Samples: 92686685001, 92686685002, 92686685003

| Parameter | Act ± Unc (MDC) Carr Trac | Units | Analyzed | Qualifiers |
|------------|-----------------------------------|-------|----------------|------------|
| Radium-228 | 0.465 ± 0.323 (0.609) C:77% T:85% | pCi/L | 09/26/23 12:28 | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Background Wells- RAD

Pace Project No.: 92686685

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

Act - Activity

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

Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

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

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Background Wells- RAD

Pace Project No.: 92686685

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|--------------|--------------------------|----------|-------------------|------------------|
| 92686685001 | MCD-DGWA-70A | EPA 9315 | 615444 | | |
| 92686685002 | MCD-DGWA-71 | EPA 9315 | 615444 | | |
| 92686685003 | MCD-DGWA-53 | EPA 9315 | 615444 | | |
| 92686685001 | MCD-DGWA-70A | EPA 9320 | 615445 | | |
| 92686685002 | MCD-DGWA-71 | EPA 9320 | 615445 | | |
| 92686685003 | MCD-DGWA-53 | EPA 9320 | 615445 | | |
| 92686685001 | MCD-DGWA-70A | Total Radium Calculation | 619773 | | |
| 92686685002 | MCD-DGWA-71 | Total Radium Calculation | 619773 | | |
| 92686685003 | MCD-DGWA-53 | Total Radium Calculation | 619773 | | |

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.



DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

Con - Power

Project #:

WO#: 92686685



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

Custody Seal Present? Yes No Seals intact? Yes No

Date/Initials Person Examining Contents: *9-17-23 JCC*

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen?

Yes No N/A

Thermometer:

IR Gun ID:

230

Type of Ice:

Wet Blue None

Cooler Temp:

23

Correction Factor:

Add/Subtract (°C) *0.0*

Temp should be above freezing to 6°C

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

Cooler Temp Corrected (°C):

2.3

USDA Regulated Soil (N/A, water sample)

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted:

Date/Time:

Project Manager SCURF Review:

Date:

Project Manager SRF Review:

Date:



DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

WO#: 92686685

Project #

PM: BV

Due Date: 09/28/23

CLIENT: 92-GA Power

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRD/8015 (water) DOC, LHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

| Item# | BP4U-125 mL Plastic Unpreserved (N/A) (Cl-) | BP3U-250 mL Plastic Unpreserved (N/A) | BP2U-500 mL Plastic Unpreserved (N/A) | BP1U-1 liter Plastic Unpreserved (N/A) | BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-) | BP3N-250 mL plastic HNO3 (pH < 2) | BP4Z-125 mL Plastic ZN Acetate & NaOH (>9) | BP4B-125 mL Plastic NaOH (pH > 12) (Cl-) | WGFU-Wide-mouthed Glass jar Unpreserved | AG1U-1 liter Amber Unpreserved (N/A) (Cl-) | AG1H-1 liter Amber HCl (pH < 2) | AG3U-250 mL Amber Unpreserved (N/A) (Cl-) | AG1S-1 liter Amber H2SO4 (pH < 2) | AG3S-250 mL Amber H2SO4 (pH < 2) | DG94-40 mL Amber NH4Cl (N/A)(Cl-) | DG9H-40 mL VOA HCl (N/A) | VG9T-40 mL VOA Na2S2O3 (N/A) | VG9U-40 mL VOA Unpreserved (N/A) | DG9V-40 mL VOA H3PO4 (N/A) | KP7U-50 mL Plastic Unpreserved (N/A) | V/GK (3 vials per kit)-VPH/Gas kit (N/A) | SP5T-125 mL Sterile Plastic (N/A - lab) | SP2T-250 mL Sterile Plastic (N/A - lab) | BP9R-250 mL Plastic (NH2)2SO4 (9.3-9.7) | AG0U-100 mL Amber Unpreserved (N/A) (Cl-) | VS6U-20 mL Scintillation vials (N/A) | DG9U-40 mL Amber Unpreserved vials (N/A) | | |
|-------|---|---------------------------------------|---------------------------------------|--|--|-----------------------------------|--|--|---|--|---------------------------------|---|-----------------------------------|----------------------------------|-----------------------------------|--------------------------|------------------------------|----------------------------------|----------------------------|--------------------------------------|--|---|---|---|---|--------------------------------------|--|--|--|
| 1 | | 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

pH Adjustment Log for Preserved Samples

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

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



CHAIN-OF-CUSTODY / Analytical Request Document
 The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Requested Client Information: Section B Requested Project Information: Section C Invoicing Information:

| | | | | | |
|---|--|--------------------------------|--|-------------------------------------|--|
| Company: Georgia Power - Coal Distribution Facilities | | Request For: Lehigh Creek | | Address: 6641861000@proanalysts.com | |
| Address: 2400 Jansen Road | | City / St: WPA | | Company Name: | |
| Atlanta, GA 30338 | | Purchase Order #: [Blank] | | Phone Order: [Blank] | |
| Email: [Blank] | | Project Name: Background Water | | Project Manager: Bonnie Valig | |
| Phone: (478) 620-4176 | | Product #: 31024000-10023 | | Date From In: [Blank] | |
| Requested Date: 10 Day TAT | | [Blank] | | | |

| ITEM # | MATERIAL | CODES | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | DATE | TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Preservatives | | | | | Analysis Test | TEMP in C | Received on lead (Y/N) | Samples Sealed (Y/N) | Samples Cooled (Y/N) | Samples Intact (Y/N) |
|--------|--------------|-------|---------------------------------------|-----------------------------|---------|-------|---------------------------|-----------------|-------------------|-------|------------|-----|--------------------|---------------|-----------|------------------------|----------------------|----------------------|----------------------|
| | | | | | | | | | Unpreserved - Ice | H2SO4 | HNO3 + Ice | HCl | HClO4 + Zn Acetate | | | | | | |
| 1 | MCO-DQWA-704 | | G | G | 6/16/23 | 12:45 | | 7 | 3 | | | | | | | | | | |
| 2 | MCO-DQWA-71 | | G | G | 6/16/23 | 18:00 | | 7 | 3 | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | |

ADDITIONAL COMMENTS: [Blank]

APPROVED BY: [Signature]

DATE: [Blank]

TIME: [Blank]

ACCEPTED BY: [Signature]

DATE: [Blank]

TEMP in C: [Blank]

Received on lead (Y/N): [Blank]

Samples Sealed (Y/N): [Blank]

Samples Cooled (Y/N): [Blank]

Samples Intact (Y/N): [Blank]

9210816685

001

002



DC#_ Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

GA Power

Project #: WO#: 92686685

Courier: Fed Ex UPS USPS Client Commercial Pace Other:

PM: BV Due Date: 09/28/23 CLIENT: 92-GA Power

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 9/8/23

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer:

IR Gun ID: 230

Type of Ice: Wet Blue None

Cooler Temp: 4.1 Correction Factor: Add/Subtract (°C) 0.0

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

Cooler Temp Corrected (°C): 4.1

USDA Regulated Soil (N/A, water sample)

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



DC#_ Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Project #

W0#: 92686685

PM: BV

Due Date: 09/28/23

CLIENT: 92-GA Power

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHG

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

| Item# | BP4U-125 mL Plastic Unpreserved (N/A) (Cl-) | BP3U-250 mL Plastic Unpreserved (N/A) | BP2U-500 mL Plastic Unpreserved (N/A) | BP1U-1 liter Plastic Unpreserved (N/A) | BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-) | BP3N-250 mL plastic HNO3 (pH < 2) | BP4Z-125 mL Plastic Zn Acetate & NaOH (>9) | BP4B-125 mL Plastic NaOH (pH > 12) (Cl-) | WGFU-Wide-mouthed Glass jar Unpreserved | AG1U-1 liter Amber Unpreserved (N/A) (Cl-) | AG1H-1 liter Amber HCl (pH < 2) | AG3U-250 mL Amber Unpreserved (N/A) (Cl-) | AG1S-1 liter Amber H2SO4 (pH < 2) | AG3S-250 mL Amber H2SO4 (pH < 2) | DG94-40 mL Amber NH4Cl (N/A)(Cl-) | DG9H-40 mL VOA HCl (N/A) | VG9T-40 mL VOA Na2S2O3 (N/A) | VG9U-40 mL VOA Unpreserved (N/A) | DG9V-40 mL VOA H3PO4 (N/A) | KP7U-50 mL Plastic Unpreserved (N/A) | V/GK (3 vials per kit)-VPH/Gas kit (N/A) | SP5T-125 mL Sterile Plastic (N/A - lab) | SP2T-250 mL Sterile Plastic (N/A - lab) | BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7) | AG0U-100 mL Amber Unpreserved (N/A) (Cl-) | VSGU-20 mL Scintillation vials (N/A) | DG9U-40 mL Amber Unpreserved vials (N/A) | | | |
|-------|---|---------------------------------------|---------------------------------------|--|--|-----------------------------------|--|--|---|--|---------------------------------|---|-----------------------------------|----------------------------------|-----------------------------------|--------------------------|------------------------------|----------------------------------|----------------------------|--------------------------------------|--|---|---|---|---|--------------------------------------|--|--|--|--|
| 1 | | 2 | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

pH Adjustment Log for Preserved Samples

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

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



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

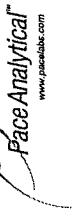
Section A Required Client Information: Section B Required Project Information: Section C Invoice Information:

| | | |
|--|--|--|
| Company: Georgia Power - Coal Combustion Residuals Address: 2480 Maner Road Atlanta, GA 30339 Phone: (478) 699-6176 Fax: | Report To: Laurent Carter Copy To: WSP Purchase Order #: Project Name: Background Wells Project #: 31408440/MCD23 | Attention: scshin@scsinc.com Company Name: Address: POC Project Manager: Bonte Yang POC Profile #: Regulatory Agency: State/Location: GA |
|--|--|--|

| ITEM # | MATRIX | CODE | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | DATE | TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Preservatives | Analyses Test | Requested Analysis Filtered (Y/N) | Residual Chlorine (Y/N) |
|--------|---|---|---------------------------------------|-----------------------------|--------|-------|---------------------------|-----------------|---|---|-----------------------------------|-------------------------|
| 1 | SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample IDs must be unique | DWK WT WWT P SL OL WP AR OT TS | WG | G | 9/7/23 | 10:53 | | 7 | <input checked="" type="checkbox"/> Unpreserved - Ice <input type="checkbox"/> H2SO4 <input type="checkbox"/> HNO3 + Ice <input type="checkbox"/> HCl <input type="checkbox"/> NaOH + Zn Acetate <input type="checkbox"/> Na2S2O3 <input type="checkbox"/> Methanol <input type="checkbox"/> Other | <input checked="" type="checkbox"/> App III/IV + Mg, Na, K, Fe <input type="checkbox"/> Cl, F, SO4 <input type="checkbox"/> Radium 9513/9320 <input type="checkbox"/> TDS <input type="checkbox"/> Alkalinity <input type="checkbox"/> Sulfide | | 03 0208 6665 |

| | | | | | | | | | |
|----------------------------------|--|--|--|--|----------------------------------|----------------------|--------------|--|---------------|
| ADDITIONAL COMMENTS: MCD-DGWA-53 | | | | | REACQUIRED BY / AFFILIATION: WSP | DATE: 09/08/23 | TIME: 1550 | ACCEPTED BY / AFFILIATION: J.C. - Beck | DATE: 9/18/23 |
| BAR CODE = MCD-CGR-ASSMT-2023S2 | | | | | SAMPLE CONDITIONS: | | | | |
| TEMP in C | | | | | Received on site (Y/N) | Custody sealed (Y/N) | Cooler (Y/N) | Samples intact (Y/N) | DATE Signed: |

Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-228
Analyst: ZPC
Date: 9/19/2023
Worklist: 75311
Matrix: WT

| Method Blank Assessment | |
|-------------------------------------|---------|
| MB Sample ID | 2997141 |
| MB concentration: | 0.465 |
| M/B 2 Sigma CSU: | 0.323 |
| MB MDC: | 0.609 |
| MB Numerical Performance Indicator: | 2.83 |
| MB Status vs Numerical Indicator: | Warning |
| MB Status vs. MDC: | Pass |

| Laboratory Control Sample Assessment | | LCSD (Y or N)? | Y |
|---|-----------|----------------|-----------|
| Count Date: | 9/26/2023 | LCSD75311 | 9/26/2023 |
| Spike I.D.: | 23-043 | | 23-043 |
| Decay Corrected Spike Concentration (pCi/mL): | 39.668 | | 39.668 |
| Volume Used (mL): | 0.10 | | 0.10 |
| Aliquot Volume (L, g, F): | 0.817 | | 0.817 |
| Target Conc. (pCi/L, g, F): | 4.854 | | 4.857 |
| Uncertainty (Calculated): | 0.238 | | 0.238 |
| Result (pCi/L, g, F): | 4.557 | | 3.686 |
| LCS/LCSD 2 Sigma CSU (pCi/L, g, F): | 1.042 | | 0.891 |
| Numerical Performance Indicator: | -0.54 | | -2.49 |
| Percent Recovery: | 93.89% | | 75.90% |
| Status vs Numerical Indicator: | N/A | | N/A |
| Status vs Recovery: | Pass | | Pass |
| Upper % Recovery Limits: | 135% | | 135% |
| Lower % Recovery Limits: | 60% | | 60% |

| Duplicate Sample Assessment | | LCSD (Y or N)? | Y |
|---|-----------|----------------|---|
| Sample I.D.: | LCSD75311 | | |
| Duplicate Sample I.D.: | LCSD75311 | | |
| Sample Result (pCi/L, g, F): | 4.557 | | |
| Sample Result 2 Sigma CSU (pCi/L, g, F): | 1.042 | | |
| Sample Duplicate Result (pCi/L, g, F): | 3.686 | | |
| Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F): | 0.891 | | |
| Are sample and/or duplicate results below RL?: | NO | | |
| Duplicate Numerical Performance Indicator: | 1.245 | | |
| (Based on the LCS/LCSD Percent Recoveries) Duplicate RPD: | 21.19% | | |
| Duplicate Status vs Numerical Indicator: | Pass | | |
| Duplicate Status vs RPD: | Pass | | |
| % RPD Limit: | 36% | | |

[Handwritten Signature]

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

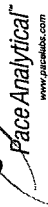
Comments:

VAL
9/27/23

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

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

Quality Control Sample Performance Assessment



Analyst **Must Manually Enter All Fields Highlighted in Yellow.**

Test: Ra-226
Analyst: SLC
Date: 9/20/2023
Worklist: 75310
Matrix: W1

| Method Blank Assessment | |
|-------------------------------------|---------|
| MB Sample ID | 2997136 |
| MB concentration: | 0.131 |
| M/B 2 Sigma CSU: | 0.132 |
| MB MDC: | 0.266 |
| MB Numerical Performance Indicator: | 1.94 |
| MB Status vs Numerical Indicator: | Pass |
| MB Status vs MDC: | N/A |

| Laboratory Control Sample Assessment | LCS (Y or N)? | |
|---|---------------|-----------|
| | LCS75310 | LCS075310 |
| Count Date: | 10/3/2023 | 10/3/2023 |
| Spike I.D.: | 23-014 | 23-014 |
| Decay Corrected Spike Concentration (pCi/ml): | 25.030 | 25.030 |
| Volume Used (mL): | 0.10 | 0.10 |
| Aliquot Volume (L, g, F): | 0.504 | 0.504 |
| Target Conc. (pCi/L, g, F): | 4.951 | 4.969 |
| Uncertainty (Calculated): | 0.233 | 0.234 |
| Result (pCi/L, g, F): | 4.534 | 5.823 |
| LCS/LCSD 2 Sigma CSU (pCi/L, g, F): | 0.814 | 1.006 |
| Numerical Performance Indicator: | -0.96 | 1.62 |
| Percent Recovery: | 91.59% | 117.17% |
| Status vs Numerical Indicator: | Pass | Pass |
| Upper % Recovery Limits: | N/A | N/A |
| Lower % Recovery Limits: | 125% | 125% |
| | 75% | 75% |

| Duplicate Sample Assessment | Matrix Spike/Matrix Spike Duplicate Sample Assessment |
|--|--|
| Sample I.D.: | Sample I.D. |
| Duplicate Sample I.D.: | Sample MS I.D. |
| Sample Result (pCi/L, g, F): | Sample MSD I.D. |
| Sample Result 2 Sigma CSU (pCi/L, g, F): | Sample Matrix Spike Result: |
| Sample Duplicate Result (pCi/L, g, F): | Sample Spike Result 2 Sigma CSU (pCi/L, g, F): |
| Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F): | Sample Matrix Spike Duplicate Result: |
| Are sample and/or duplicate results below RL? | Duplicate Numerical Performance Indicator: |
| Duplicate Numerical Performance Indicator: | Duplicate Numerical Performance Indicator: |
| Duplicate Status vs Numerical Indicator: | (Based on the Percent Recoveries) MS/ MSD Duplicate RPD: |
| Duplicate Status vs RPD: | MS/ MSD Duplicate Status vs Numerical Indicator: |
| % RPD Limit: | % RPD Limit: |

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

Comments:

0.17
20-3-23

VAM10/3/23



October 10, 2023

Lauren Hartley
Southern Co.
241 Ralph McGill Blvd
NE, Bin 10160
Atlanta, GA 30308

RE: Project: Plant McD AP-234 Well Network
Pace Project No.: 92686947

Dear Lauren Hartley:

Enclosed are the analytical results for sample(s) received by the laboratory between September 08, 2023 and September 14, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

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

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

Sincerely,

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

Enclosures

cc: Yong Cheng, WSP
Daniela Herrera, Golder
Andrea McClure, WSP
Laura Midkiff, Southern Co.
Dawn Prell, WSP USA E&I Inc_Atlanta



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804

Florida/NELAP Certification #: E87648

North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40

South Carolina Laboratory ID: 99030

South Carolina Certification #: 99030001

Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|----------------|--------|----------------|----------------|
| 92686947001 | MCD-DGWC-14 | Water | 09/08/23 08:57 | 09/08/23 15:50 |
| 92686947002 | MCD-DGWC-11 | Water | 09/08/23 09:25 | 09/08/23 15:50 |
| 92686947003 | MCD-DGWC-15 | Water | 09/08/23 10:25 | 09/08/23 15:50 |
| 92686947004 | MCD-DGWC-19 | Water | 09/08/23 11:44 | 09/08/23 15:50 |
| 92686947005 | MCD-DGWC-13 | Water | 09/08/23 12:00 | 09/08/23 15:50 |
| 92686947006 | MCD-AP234-FD-2 | Water | 09/08/23 00:00 | 09/08/23 15:50 |
| 92686947007 | MCD-AP234-FB-2 | Water | 09/08/23 12:20 | 09/08/23 15:50 |
| 92686947008 | MCD-AP234-EB-2 | Water | 09/08/23 12:30 | 09/08/23 15:50 |
| 92686947009 | MCD-DGWC-20 | Water | 09/11/23 09:22 | 09/12/23 08:30 |
| 92686947010 | MCD-DGWC-12 | Water | 09/11/23 10:10 | 09/12/23 08:30 |
| 92686947011 | MCD-DGWC-21 | Water | 09/11/23 11:26 | 09/12/23 08:30 |
| 92686947012 | MCD-DGWC-22 | Water | 09/11/23 13:19 | 09/12/23 08:30 |
| 92686947013 | MCD-DGWC-10 | Water | 09/11/23 13:15 | 09/12/23 08:30 |
| 92686947014 | MCD-DGWC-23 | Water | 09/11/23 14:39 | 09/12/23 08:30 |
| 92686947015 | MCD-AP234-FD-3 | Water | 09/11/23 00:00 | 09/12/23 08:30 |
| 92686947016 | MCD-AP234-FB-3 | Water | 09/11/23 10:05 | 09/12/23 08:30 |
| 92686947017 | MCD-AP234-EB-3 | Water | 09/11/23 15:30 | 09/12/23 08:30 |
| 92686947018 | MCD-DGWC-47 | Water | 09/12/23 11:28 | 09/13/23 08:36 |
| 92686947019 | MCD-DGWC-8 | Water | 09/12/23 11:12 | 09/13/23 08:36 |
| 92686947020 | MCD-DGWC-2 | Water | 09/13/23 10:48 | 09/14/23 14:22 |
| 92686947021 | MCD-DGWC-4 | Water | 09/13/23 14:54 | 09/14/23 14:22 |
| 92686947022 | MCD-DGWC-5 | Water | 09/13/23 10:38 | 09/14/23 14:22 |
| 92686947023 | MCD-DGWC-17 | Water | 09/13/23 12:20 | 09/14/23 14:22 |
| 92686947024 | MCD-DGWC-42 | Water | 09/13/23 14:47 | 09/14/23 14:22 |
| 92686947025 | MCD-DGWC-48 | Water | 09/13/23 10:20 | 09/14/23 14:22 |

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| Lab ID | Sample ID | Method | Analysts | Analytes Reported |
|-------------|----------------|------------------------|----------|-------------------|
| 92686947001 | MCD-DGWC-14 | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | CDC | 3 |
| 92686947002 | MCD-DGWC-11 | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | CDC | 3 |
| 92686947003 | MCD-DGWC-15 | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | CDC | 3 |
| 92686947004 | MCD-DGWC-19 | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | CDC | 3 |
| 92686947005 | MCD-DGWC-13 | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | CDC | 3 |
| 92686947006 | MCD-AP234-FD-2 | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |

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SAMPLE ANALYTE COUNT

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| Lab ID | Sample ID | Method | Analysts | Analytes Reported |
|-------------|----------------|------------------------|----------|-------------------|
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | CDC | 3 |
| 92686947007 | MCD-AP234-FB-2 | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | CDC | 3 |
| 92686947008 | MCD-AP234-EB-2 | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | CDC | 3 |
| 92686947009 | MCD-DGWC-20 | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | CDC | 3 |
| 92686947010 | MCD-DGWC-12 | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | CDC | 3 |
| 92686947011 | MCD-DGWC-21 | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |

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SAMPLE ANALYTE COUNT

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| Lab ID | Sample ID | Method | Analysts | Analytes Reported |
|-------------|----------------|------------------------|----------|-------------------|
| 92686947012 | MCD-DGWC-22 | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | CDC | 3 |
| | | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| 92686947013 | MCD-DGWC-10 | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | CDC | 3 |
| | | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| 92686947014 | MCD-DGWC-23 | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | CDC | 3 |
| | | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| 92686947015 | MCD-AP234-FD-3 | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | CDC | 3 |
| | | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| 92686947016 | MCD-AP234-FB-3 | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | CDC | 3 |
| | | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |

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SAMPLE ANALYTE COUNT

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| Lab ID | Sample ID | Method | Analysts | Analytes Reported |
|-------------|----------------|------------------------|----------|-------------------|
| 92686947017 | MCD-AP234-EB-3 | EPA 300.0 Rev 2.1 1993 | CDC | 3 |
| | | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| 92686947018 | MCD-DGWC-47 | EPA 300.0 Rev 2.1 1993 | CDC | 3 |
| | | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| 92686947019 | MCD-DGWC-8 | EPA 300.0 Rev 2.1 1993 | CDC | 3 |
| | | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| 92686947020 | MCD-DGWC-2 | EPA 300.0 Rev 2.1 1993 | CDC | 3 |
| | | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| 92686947021 | MCD-DGWC-4 | EPA 300.0 Rev 2.1 1993 | JCM | 3 |
| | | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| 92686947022 | MCD-DGWC-5 | EPA 300.0 Rev 2.1 1993 | JCM | 3 |
| | | EPA 6010D | DRB | 5 |

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SAMPLE ANALYTE COUNT

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| Lab ID | Sample ID | Method | Analysts | Analytes Reported |
|-------------|-------------|------------------------|----------|-------------------|
| 92686947023 | MCD-DGWC-17 | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | JCM | 3 |
| | | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| 92686947024 | MCD-DGWC-42 | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | JCM | 3 |
| | | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | JCM | 3 |
| 92686947025 | MCD-DGWC-48 | EPA 6010D | DRB | 5 |
| | | EPA 6020B | CW1 | 13 |
| | | EPA 7470A | VB | 1 |
| | | SM 2540C-2015 | DL1 | 1 |
| | | SM 2320B-2011 | SMS | 3 |
| | | SM 4500-S2D-2011 | JP1 | 1 |
| | | EPA 300.0 Rev 2.1 1993 | JCM | 3 |

PASI-A = Pace Analytical Services - Asheville

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

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

Sample: MCD-DGWC-14 **Lab ID: 92686947001** Collected: 09/08/23 08:57 Received: 09/08/23 15:50 Matrix: Water

| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual |
|---|----------|-------|---------|----------|----|----------------|----------------|------------|------|
| | | | Limit | MDL | DF | | | | |
| 6010D ATL ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Iron | ND | mg/L | 0.040 | 0.025 | 1 | 09/12/23 07:50 | 09/12/23 17:38 | 7439-89-6 | |
| Potassium | 3.3 | mg/L | 0.50 | 0.15 | 1 | 09/12/23 07:50 | 09/12/23 17:38 | 7440-09-7 | |
| Sodium | 7.1 | mg/L | 1.0 | 0.58 | 1 | 09/12/23 07:50 | 09/12/23 17:38 | 7440-23-5 | |
| Calcium | 12.0 | mg/L | 1.0 | 0.12 | 1 | 09/12/23 07:50 | 09/12/23 17:38 | 7440-70-2 | |
| Magnesium | 4.9 | mg/L | 0.050 | 0.012 | 1 | 09/12/23 07:50 | 09/12/23 17:38 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/12/23 07:45 | 09/15/23 17:38 | 7440-36-0 | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/12/23 07:45 | 09/15/23 17:38 | 7440-38-2 | |
| Barium | 0.057 | mg/L | 0.0050 | 0.00067 | 1 | 09/12/23 07:45 | 09/15/23 17:38 | 7440-39-3 | |
| Beryllium | ND | mg/L | 0.00050 | 0.000054 | 1 | 09/12/23 07:45 | 09/15/23 17:38 | 7440-41-7 | |
| Boron | 0.11 | mg/L | 0.040 | 0.0086 | 1 | 09/12/23 07:45 | 09/15/23 17:38 | 7440-42-8 | |
| Cadmium | ND | mg/L | 0.00050 | 0.00011 | 1 | 09/12/23 07:45 | 09/15/23 17:38 | 7440-43-9 | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/12/23 07:45 | 09/15/23 17:38 | 7440-47-3 | |
| Cobalt | ND | mg/L | 0.0050 | 0.00039 | 1 | 09/12/23 07:45 | 09/15/23 17:38 | 7440-48-4 | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/12/23 07:45 | 09/15/23 17:38 | 7439-92-1 | |
| Lithium | 0.0041J | mg/L | 0.030 | 0.00073 | 1 | 09/12/23 07:45 | 09/15/23 17:38 | 7439-93-2 | |
| Molybdenum | ND | mg/L | 0.010 | 0.00074 | 1 | 09/12/23 07:45 | 09/15/23 17:38 | 7439-98-7 | |
| Selenium | 0.0015J | mg/L | 0.0050 | 0.0014 | 1 | 09/12/23 07:45 | 09/15/23 17:38 | 7782-49-2 | |
| Thallium | 0.00056J | mg/L | 0.0010 | 0.00018 | 1 | 09/12/23 07:45 | 09/15/23 17:38 | 7440-28-0 | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470A Preparation Method: EPA 7470A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 10/02/23 13:15 | 10/02/23 17:55 | 7439-97-6 | |
| 2540C Total Dissolved Solids | | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Total Dissolved Solids | 156 | mg/L | 25.0 | 25.0 | 1 | | 09/12/23 12:01 | | |
| 2320B Alkalinity | | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | 15.7 | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 12:25 | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 12:25 | | |
| Alkalinity, Total as CaCO3 | 15.7 | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 12:25 | | |
| 4500S2D Sulfide Water | | | | | | | | | |
| Analytical Method: SM 4500-S2D-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/13/23 02:39 | 18496-25-8 | |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Chloride | 3.5 | mg/L | 1.0 | 0.60 | 1 | | 09/13/23 01:38 | 16887-00-6 | |
| Fluoride | ND | mg/L | 0.10 | 0.050 | 1 | | 09/13/23 01:38 | 16984-48-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| Sample: MCD-DGWC-14 | | Lab ID: 92686947001 | | Collected: 09/08/23 08:57 | Received: 09/08/23 15:50 | Matrix: Water | | | |
|--------------------------------|-------------|---|--------------|---------------------------|--------------------------|---------------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | |
| Sulfate | 43.1 | mg/L | 1.0 | 0.50 | 1 | | 09/13/23 01:38 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| Sample: MCD-DGWC-11 | | Lab ID: 92686947002 | | Collected: 09/08/23 09:25 | | Received: 09/08/23 15:50 | | Matrix: Water | | |
|-------------------------------------|----------|--|---------|---------------------------|----|--------------------------|----------------|---------------|------|--|
| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual | |
| | | | Limit | MDL | DF | | | | | |
| 6010D ATL ICP | | Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Iron | ND | mg/L | 0.040 | 0.025 | 1 | 09/12/23 07:50 | 09/12/23 17:43 | 7439-89-6 | | |
| Potassium | 4.2 | mg/L | 0.50 | 0.15 | 1 | 09/12/23 07:50 | 09/12/23 17:43 | 7440-09-7 | | |
| Sodium | 20.9 | mg/L | 1.0 | 0.58 | 1 | 09/12/23 07:50 | 09/12/23 17:43 | 7440-23-5 | | |
| Calcium | 58.6 | mg/L | 1.0 | 0.12 | 1 | 09/12/23 07:50 | 09/12/23 17:43 | 7440-70-2 | | |
| Magnesium | 30.2 | mg/L | 0.050 | 0.012 | 1 | 09/12/23 07:50 | 09/12/23 17:43 | 7439-95-4 | | |
| 6020 MET ICPMS | | Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/12/23 07:45 | 09/15/23 17:42 | 7440-36-0 | | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/12/23 07:45 | 09/15/23 17:42 | 7440-38-2 | | |
| Barium | 0.034 | mg/L | 0.0050 | 0.00067 | 1 | 09/12/23 07:45 | 09/15/23 17:42 | 7440-39-3 | | |
| Beryllium | 0.00020J | mg/L | 0.00050 | 0.000054 | 1 | 09/12/23 07:45 | 09/15/23 17:42 | 7440-41-7 | | |
| Boron | 1.7 | mg/L | 0.040 | 0.0086 | 1 | 09/12/23 07:45 | 09/15/23 17:42 | 7440-42-8 | | |
| Cadmium | 0.00014J | mg/L | 0.00050 | 0.00011 | 1 | 09/12/23 07:45 | 09/15/23 17:42 | 7440-43-9 | | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/12/23 07:45 | 09/15/23 17:42 | 7440-47-3 | | |
| Cobalt | 0.0011J | mg/L | 0.0050 | 0.00039 | 1 | 09/12/23 07:45 | 09/15/23 17:42 | 7440-48-4 | | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/12/23 07:45 | 09/15/23 17:42 | 7439-92-1 | | |
| Lithium | 0.0017J | mg/L | 0.030 | 0.00073 | 1 | 09/12/23 07:45 | 09/15/23 17:42 | 7439-93-2 | | |
| Molybdenum | ND | mg/L | 0.010 | 0.00074 | 1 | 09/12/23 07:45 | 09/15/23 17:42 | 7439-98-7 | | |
| Selenium | ND | mg/L | 0.0050 | 0.0014 | 1 | 09/12/23 07:45 | 09/15/23 17:42 | 7782-49-2 | | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/12/23 07:45 | 09/15/23 17:42 | 7440-28-0 | | |
| 7470 Mercury | | Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Mercury | 0.00048 | mg/L | 0.00020 | 0.00013 | 1 | 10/02/23 13:15 | 10/02/23 18:10 | 7439-97-6 | | |
| 2540C Total Dissolved Solids | | Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Total Dissolved Solids | 451 | mg/L | 25.0 | 25.0 | 1 | | 09/13/23 11:44 | | | |
| 2320B Alkalinity | | Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | 13.6 | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 12:31 | | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 12:31 | | | |
| Alkalinity, Total as CaCO3 | 13.6 | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 12:31 | | | |
| 4500S2D Sulfide Water | | Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/13/23 02:40 | 18496-25-8 | | |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | | |
| Chloride | 11.2 | mg/L | 1.0 | 0.60 | 1 | | 09/13/23 03:38 | 16887-00-6 | | |
| Fluoride | ND | mg/L | 0.10 | 0.050 | 1 | | 09/13/23 03:38 | 16984-48-8 | | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| Sample: MCD-DGWC-11 | | Lab ID: 92686947002 | | Collected: 09/08/23 09:25 | | Received: 09/08/23 15:50 | | Matrix: Water | |
|--------------------------------|------------|---|--------------|---------------------------|----|--------------------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | |
| Sulfate | 256 | mg/L | 5.0 | 2.5 | 5 | | 09/13/23 10:26 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

Sample: MCD-DGWC-15 **Lab ID: 92686947003** Collected: 09/08/23 10:25 Received: 09/08/23 15:50 Matrix: Water

| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|---------|----------|----|----------------|----------------|------------|------|
| | | | Limit | MDL | DF | | | | |
| 6010D ATL ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Iron | 0.13 | mg/L | 0.040 | 0.025 | 1 | 09/12/23 07:50 | 09/12/23 17:48 | 7439-89-6 | |
| Potassium | 4.7 | mg/L | 0.50 | 0.15 | 1 | 09/12/23 07:50 | 09/12/23 17:48 | 7440-09-7 | |
| Sodium | 21.6 | mg/L | 1.0 | 0.58 | 1 | 09/12/23 07:50 | 09/12/23 17:48 | 7440-23-5 | |
| Calcium | 34.3 | mg/L | 1.0 | 0.12 | 1 | 09/12/23 07:50 | 09/12/23 17:48 | 7440-70-2 | |
| Magnesium | 14.6 | mg/L | 0.050 | 0.012 | 1 | 09/12/23 07:50 | 09/12/23 17:48 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/12/23 07:45 | 09/18/23 16:01 | 7440-36-0 | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/12/23 07:45 | 09/15/23 17:59 | 7440-38-2 | |
| Barium | 0.035 | mg/L | 0.0050 | 0.00067 | 1 | 09/12/23 07:45 | 09/15/23 17:59 | 7440-39-3 | |
| Beryllium | ND | mg/L | 0.00050 | 0.000054 | 1 | 09/12/23 07:45 | 09/15/23 17:59 | 7440-41-7 | |
| Boron | 1.4 | mg/L | 0.040 | 0.0086 | 1 | 09/12/23 07:45 | 09/15/23 17:59 | 7440-42-8 | |
| Cadmium | ND | mg/L | 0.00050 | 0.00011 | 1 | 09/12/23 07:45 | 09/15/23 17:59 | 7440-43-9 | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/12/23 07:45 | 09/15/23 17:59 | 7440-47-3 | |
| Cobalt | 0.0018J | mg/L | 0.0050 | 0.00039 | 1 | 09/12/23 07:45 | 09/15/23 17:59 | 7440-48-4 | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/12/23 07:45 | 09/15/23 17:59 | 7439-92-1 | |
| Lithium | 0.0051J | mg/L | 0.030 | 0.00073 | 1 | 09/12/23 07:45 | 09/15/23 17:59 | 7439-93-2 | |
| Molybdenum | ND | mg/L | 0.010 | 0.00074 | 1 | 09/12/23 07:45 | 09/15/23 17:59 | 7439-98-7 | |
| Selenium | ND | mg/L | 0.0050 | 0.0014 | 1 | 09/12/23 07:45 | 09/15/23 17:59 | 7782-49-2 | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/12/23 07:45 | 09/15/23 17:59 | 7440-28-0 | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470A Preparation Method: EPA 7470A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 10/02/23 13:15 | 10/02/23 18:13 | 7439-97-6 | |
| 2540C Total Dissolved Solids | | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Total Dissolved Solids | 274 | mg/L | 25.0 | 25.0 | 1 | | 09/13/23 11:45 | | |
| 2320B Alkalinity | | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | 17.5 | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 12:36 | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 12:36 | | |
| Alkalinity, Total as CaCO3 | 17.5 | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 12:36 | | |
| 4500S2D Sulfide Water | | | | | | | | | |
| Analytical Method: SM 4500-S2D-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/13/23 02:40 | 18496-25-8 | |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Chloride | 20.0 | mg/L | 1.0 | 0.60 | 1 | | 09/13/23 03:53 | 16887-00-6 | |
| Fluoride | ND | mg/L | 0.10 | 0.050 | 1 | | 09/13/23 03:53 | 16984-48-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

Sample: MCD-DGWC-15 Lab ID: 92686947003 Collected: 09/08/23 10:25 Received: 09/08/23 15:50 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|--------------|-----|----|----------|----------------|------------|------|
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfate | 126 | mg/L | 3.0 | 1.5 | 3 | | 09/13/23 10:42 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

Sample: MCD-DGWC-19 Lab ID: 92686947004 Collected: 09/08/23 11:44 Received: 09/08/23 15:50 Matrix: Water

| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual |
|--|----------|-------|---------|----------|----|----------------|----------------|------------|------|
| | | | Limit | MDL | DF | | | | |
| 6010D ATL ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Iron | ND | mg/L | 0.040 | 0.025 | 1 | 09/12/23 07:50 | 09/12/23 17:53 | 7439-89-6 | |
| Potassium | 4.4 | mg/L | 0.50 | 0.15 | 1 | 09/12/23 07:50 | 09/12/23 17:53 | 7440-09-7 | |
| Sodium | 40.0 | mg/L | 1.0 | 0.58 | 1 | 09/12/23 07:50 | 09/12/23 17:53 | 7440-23-5 | |
| Calcium | 115 | mg/L | 1.0 | 0.12 | 1 | 09/12/23 07:50 | 09/12/23 17:53 | 7440-70-2 | |
| Magnesium | 11.5 | mg/L | 0.050 | 0.012 | 1 | 09/12/23 07:50 | 09/12/23 17:53 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Antimony | 0.0013J | mg/L | 0.0030 | 0.0012 | 1 | 09/12/23 07:45 | 09/15/23 18:03 | 7440-36-0 | B |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/12/23 07:45 | 09/15/23 18:03 | 7440-38-2 | |
| Barium | 0.022 | mg/L | 0.0050 | 0.00067 | 1 | 09/12/23 07:45 | 09/15/23 18:03 | 7440-39-3 | |
| Beryllium | 0.0015 | mg/L | 0.00050 | 0.000054 | 1 | 09/12/23 07:45 | 09/15/23 18:03 | 7440-41-7 | |
| Boron | 2.2 | mg/L | 0.040 | 0.0086 | 1 | 09/12/23 07:45 | 09/15/23 18:03 | 7440-42-8 | |
| Cadmium | 0.00034J | mg/L | 0.00050 | 0.00011 | 1 | 09/12/23 07:45 | 09/15/23 18:03 | 7440-43-9 | |
| Chromium | 0.0021J | mg/L | 0.0050 | 0.0011 | 1 | 09/12/23 07:45 | 09/15/23 18:03 | 7440-47-3 | B |
| Cobalt | 0.051 | mg/L | 0.0050 | 0.00039 | 1 | 09/12/23 07:45 | 09/15/23 18:03 | 7440-48-4 | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/12/23 07:45 | 09/15/23 18:03 | 7439-92-1 | |
| Lithium | 0.0024J | mg/L | 0.030 | 0.00073 | 1 | 09/12/23 07:45 | 09/15/23 18:03 | 7439-93-2 | |
| Molybdenum | ND | mg/L | 0.010 | 0.00074 | 1 | 09/12/23 07:45 | 09/15/23 18:03 | 7439-98-7 | |
| Selenium | 0.0045J | mg/L | 0.0050 | 0.0014 | 1 | 09/12/23 07:45 | 09/15/23 18:03 | 7782-49-2 | |
| Thallium | 0.00050J | mg/L | 0.0010 | 0.00018 | 1 | 09/12/23 07:45 | 09/15/23 18:03 | 7440-28-0 | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470A Preparation Method: EPA 7470A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 10/02/23 13:15 | 10/02/23 18:16 | 7439-97-6 | |
| 2540C Total Dissolved Solids | | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Total Dissolved Solids | 634 | mg/L | 25.0 | 25.0 | 1 | | 09/13/23 11:45 | | |
| 2320B Alkalinity | | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 12:53 | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 12:53 | | |
| Alkalinity, Total as CaCO3 | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 12:53 | | |
| 4500S2D Sulfide Water | | | | | | | | | |
| Analytical Method: SM 4500-S2D-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/13/23 02:41 | 18496-25-8 | |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Chloride | 15.8 | mg/L | 1.0 | 0.60 | 1 | | 09/13/23 04:08 | 16887-00-6 | |
| Fluoride | 0.17 | mg/L | 0.10 | 0.050 | 1 | | 09/13/23 04:08 | 16984-48-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| Sample: MCD-DGWC-19 | | Lab ID: 92686947004 | | Collected: 09/08/23 11:44 | Received: 09/08/23 15:50 | Matrix: Water | | | |
|--------------------------------|------------|---|--------------|---------------------------|--------------------------|---------------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | |
| Sulfate | 369 | mg/L | 8.0 | 4.0 | 8 | | 09/13/23 10:56 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

Sample: MCD-DGWC-13 **Lab ID: 92686947005** Collected: 09/08/23 12:00 Received: 09/08/23 15:50 Matrix: Water

| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual |
|---|----------|-------|---------|----------|----|----------------|----------------|------------|------|
| | | | Limit | MDL | DF | | | | |
| 6010D ATL ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Iron | ND | mg/L | 0.040 | 0.025 | 1 | 09/12/23 07:50 | 09/12/23 18:04 | 7439-89-6 | |
| Potassium | 4.7 | mg/L | 0.50 | 0.15 | 1 | 09/12/23 07:50 | 09/12/23 18:04 | 7440-09-7 | |
| Sodium | 17.5 | mg/L | 1.0 | 0.58 | 1 | 09/12/23 07:50 | 09/12/23 18:04 | 7440-23-5 | M1 |
| Calcium | 32.7 | mg/L | 1.0 | 0.12 | 1 | 09/12/23 07:50 | 09/12/23 18:04 | 7440-70-2 | M1 |
| Magnesium | 7.3 | mg/L | 0.050 | 0.012 | 1 | 09/12/23 07:50 | 09/12/23 18:04 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/12/23 07:45 | 09/15/23 18:07 | 7440-36-0 | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/12/23 07:45 | 09/15/23 18:07 | 7440-38-2 | |
| Barium | 0.022 | mg/L | 0.0050 | 0.00067 | 1 | 09/12/23 07:45 | 09/15/23 18:07 | 7440-39-3 | |
| Beryllium | 0.00087J | mg/L | 0.00050 | 0.000054 | 1 | 09/12/23 07:45 | 09/15/23 18:07 | 7440-41-7 | |
| Boron | 0.55 | mg/L | 0.040 | 0.0086 | 1 | 09/12/23 07:45 | 09/15/23 18:07 | 7440-42-8 | |
| Cadmium | ND | mg/L | 0.00050 | 0.00011 | 1 | 09/12/23 07:45 | 09/15/23 18:07 | 7440-43-9 | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/12/23 07:45 | 09/15/23 18:07 | 7440-47-3 | |
| Cobalt | ND | mg/L | 0.0050 | 0.00039 | 1 | 09/12/23 07:45 | 09/15/23 18:07 | 7440-48-4 | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/12/23 07:45 | 09/15/23 18:07 | 7439-92-1 | |
| Lithium | 0.0031J | mg/L | 0.030 | 0.00073 | 1 | 09/12/23 07:45 | 09/15/23 18:07 | 7439-93-2 | |
| Molybdenum | 0.0073J | mg/L | 0.010 | 0.00074 | 1 | 09/12/23 07:45 | 09/15/23 18:07 | 7439-98-7 | |
| Selenium | 0.0029J | mg/L | 0.0050 | 0.0014 | 1 | 09/12/23 07:45 | 09/15/23 18:07 | 7782-49-2 | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/12/23 07:45 | 09/15/23 18:07 | 7440-28-0 | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470A Preparation Method: EPA 7470A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 10/02/23 13:15 | 10/02/23 18:18 | 7439-97-6 | |
| 2540C Total Dissolved Solids | | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Total Dissolved Solids | 217 | mg/L | 25.0 | 25.0 | 1 | | 09/13/23 11:45 | | |
| 2320B Alkalinity | | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | 21.6 | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 14:27 | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 14:27 | | |
| Alkalinity, Total as CaCO3 | 21.6 | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 14:27 | | |
| 4500S2D Sulfide Water | | | | | | | | | |
| Analytical Method: SM 4500-S2D-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/13/23 02:41 | 18496-25-8 | |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Chloride | 11.7 | mg/L | 1.0 | 0.60 | 1 | | 09/13/23 04:23 | 16887-00-6 | |
| Fluoride | 0.055J | mg/L | 0.10 | 0.050 | 1 | | 09/13/23 04:23 | 16984-48-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| Sample: MCD-DGWC-13 | | Lab ID: 92686947005 | | Collected: 09/08/23 12:00 | | Received: 09/08/23 15:50 | | Matrix: Water | |
|--------------------------------|-------------|---|--------------|---------------------------|----|--------------------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | |
| Sulfate | 98.7 | mg/L | 2.0 | 1.0 | 2 | | 09/13/23 11:13 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

Sample: MCD-AP234-FD-2 Lab ID: 92686947006 Collected: 09/08/23 00:00 Received: 09/08/23 15:50 Matrix: Water

| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual |
|--|---------|-------|---------|----------|----|----------------|----------------|------------|------|
| | | | Limit | MDL | DF | | | | |
| 6010D ATL ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Iron | 0.098 | mg/L | 0.040 | 0.025 | 1 | 09/12/23 07:50 | 09/12/23 18:35 | 7439-89-6 | |
| Potassium | 4.5 | mg/L | 0.50 | 0.15 | 1 | 09/12/23 07:50 | 09/12/23 18:35 | 7440-09-7 | |
| Sodium | 21.3 | mg/L | 1.0 | 0.58 | 1 | 09/12/23 07:50 | 09/12/23 18:35 | 7440-23-5 | |
| Calcium | 34.0 | mg/L | 1.0 | 0.12 | 1 | 09/12/23 07:50 | 09/12/23 18:35 | 7440-70-2 | |
| Magnesium | 14.5 | mg/L | 0.050 | 0.012 | 1 | 09/12/23 07:50 | 09/12/23 18:35 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/12/23 07:45 | 09/15/23 18:24 | 7440-36-0 | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/12/23 07:45 | 09/15/23 18:24 | 7440-38-2 | |
| Barium | 0.036 | mg/L | 0.0050 | 0.00067 | 1 | 09/12/23 07:45 | 09/15/23 18:24 | 7440-39-3 | |
| Beryllium | ND | mg/L | 0.00050 | 0.000054 | 1 | 09/12/23 07:45 | 09/15/23 18:24 | 7440-41-7 | |
| Boron | 1.4 | mg/L | 0.040 | 0.0086 | 1 | 09/12/23 07:45 | 09/15/23 18:24 | 7440-42-8 | |
| Cadmium | ND | mg/L | 0.00050 | 0.00011 | 1 | 09/12/23 07:45 | 09/15/23 18:24 | 7440-43-9 | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/12/23 07:45 | 09/15/23 18:24 | 7440-47-3 | |
| Cobalt | 0.0018J | mg/L | 0.0050 | 0.00039 | 1 | 09/12/23 07:45 | 09/15/23 18:24 | 7440-48-4 | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/12/23 07:45 | 09/15/23 18:24 | 7439-92-1 | |
| Lithium | 0.0052J | mg/L | 0.030 | 0.00073 | 1 | 09/12/23 07:45 | 09/15/23 18:24 | 7439-93-2 | |
| Molybdenum | ND | mg/L | 0.010 | 0.00074 | 1 | 09/12/23 07:45 | 09/15/23 18:24 | 7439-98-7 | |
| Selenium | ND | mg/L | 0.0050 | 0.0014 | 1 | 09/12/23 07:45 | 09/15/23 18:24 | 7782-49-2 | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/12/23 07:45 | 09/15/23 18:24 | 7440-28-0 | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470A Preparation Method: EPA 7470A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 10/02/23 13:15 | 10/02/23 18:21 | 7439-97-6 | |
| 2540C Total Dissolved Solids | | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Total Dissolved Solids | 278 | mg/L | 25.0 | 25.0 | 1 | | 09/13/23 11:46 | | |
| 2320B Alkalinity | | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | 20.2 | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 14:33 | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 14:33 | | |
| Alkalinity, Total as CaCO3 | 20.2 | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 14:33 | | |
| 4500S2D Sulfide Water | | | | | | | | | |
| Analytical Method: SM 4500-S2D-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/13/23 02:42 | 18496-25-8 | |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Chloride | 20.1 | mg/L | 1.0 | 0.60 | 1 | | 09/13/23 04:38 | 16887-00-6 | |
| Fluoride | ND | mg/L | 0.10 | 0.050 | 1 | | 09/13/23 04:38 | 16984-48-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| Sample: MCD-AP234-FD-2 Lab ID: 92686947006 Collected: 09/08/23 00:00 Received: 09/08/23 15:50 Matrix: Water | | | | | | | | | |
|---|---------|-------|-----------------|-----|----|----------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfate | 127 | mg/L | 3.0 | 1.5 | 3 | | 09/13/23 11:28 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

Sample: MCD-AP234-FB-2 **Lab ID: 92686947007** Collected: 09/08/23 12:20 Received: 09/08/23 15:50 Matrix: Water

| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual |
|---|---------------|-------|---------|----------|----|----------------|----------------|------------|------|
| | | | Limit | MDL | DF | | | | |
| 6010D ATL ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Iron | ND | mg/L | 0.040 | 0.025 | 1 | 09/27/23 14:50 | 10/03/23 14:25 | 7439-89-6 | |
| Potassium | ND | mg/L | 0.50 | 0.15 | 1 | 09/27/23 14:50 | 10/03/23 14:25 | 7440-09-7 | |
| Sodium | ND | mg/L | 1.0 | 0.58 | 1 | 09/27/23 14:50 | 10/03/23 14:25 | 7440-23-5 | |
| Calcium | ND | mg/L | 1.0 | 0.12 | 1 | 09/27/23 14:50 | 10/03/23 14:25 | 7440-70-2 | |
| Magnesium | 0.013J | mg/L | 0.050 | 0.012 | 1 | 09/27/23 14:50 | 10/03/23 14:25 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/12/23 07:45 | 09/15/23 18:28 | 7440-36-0 | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/12/23 07:45 | 09/15/23 18:28 | 7440-38-2 | |
| Barium | ND | mg/L | 0.0050 | 0.00067 | 1 | 09/12/23 07:45 | 09/15/23 18:28 | 7440-39-3 | |
| Beryllium | ND | mg/L | 0.00050 | 0.000054 | 1 | 09/12/23 07:45 | 09/15/23 18:28 | 7440-41-7 | |
| Boron | 0.019J | mg/L | 0.040 | 0.0086 | 1 | 09/12/23 07:45 | 09/15/23 18:28 | 7440-42-8 | |
| Cadmium | ND | mg/L | 0.00050 | 0.00011 | 1 | 09/12/23 07:45 | 09/15/23 18:28 | 7440-43-9 | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/12/23 07:45 | 09/15/23 18:28 | 7440-47-3 | |
| Cobalt | ND | mg/L | 0.0050 | 0.00039 | 1 | 09/12/23 07:45 | 09/15/23 18:28 | 7440-48-4 | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/12/23 07:45 | 09/15/23 18:28 | 7439-92-1 | |
| Lithium | ND | mg/L | 0.030 | 0.00073 | 1 | 09/12/23 07:45 | 09/15/23 18:28 | 7439-93-2 | |
| Molybdenum | ND | mg/L | 0.010 | 0.00074 | 1 | 09/12/23 07:45 | 09/15/23 18:28 | 7439-98-7 | |
| Selenium | ND | mg/L | 0.0050 | 0.0014 | 1 | 09/12/23 07:45 | 09/15/23 18:28 | 7782-49-2 | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/12/23 07:45 | 09/15/23 18:28 | 7440-28-0 | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470A Preparation Method: EPA 7470A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 10/02/23 13:15 | 10/02/23 18:23 | 7439-97-6 | |
| 2540C Total Dissolved Solids | | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Total Dissolved Solids | ND | mg/L | 25.0 | 25.0 | 1 | | 09/13/23 11:48 | | |
| 2320B Alkalinity | | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 14:39 | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 14:39 | | |
| Alkalinity, Total as CaCO3 | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 14:39 | | |
| 4500S2D Sulfide Water | | | | | | | | | |
| Analytical Method: SM 4500-S2D-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/13/23 02:42 | 18496-25-8 | |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Chloride | ND | mg/L | 1.0 | 0.60 | 1 | | 09/13/23 04:53 | 16887-00-6 | |
| Fluoride | ND | mg/L | 0.10 | 0.050 | 1 | | 09/13/23 04:53 | 16984-48-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| Sample: MCD-AP234-FB-2 Lab ID: 92686947007 Collected: 09/08/23 12:20 Received: 09/08/23 15:50 Matrix: Water | | | | | | | | | |
|---|---------|-------|-----------------|------|----|----------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfate | ND | mg/L | 1.0 | 0.50 | 1 | | 09/13/23 04:53 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

Sample: MCD-AP234-EB-2 **Lab ID: 92686947008** Collected: 09/08/23 12:30 Received: 09/08/23 15:50 Matrix: Water

| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual |
|---|------------|-------|---------|----------|----|----------------|----------------|------------|------|
| | | | Limit | MDL | DF | | | | |
| 6010D ATL ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Iron | ND | mg/L | 0.040 | 0.025 | 1 | 09/12/23 07:50 | 09/12/23 18:45 | 7439-89-6 | |
| Potassium | ND | mg/L | 0.50 | 0.15 | 1 | 09/12/23 07:50 | 09/12/23 18:45 | 7440-09-7 | |
| Sodium | ND | mg/L | 1.0 | 0.58 | 1 | 09/12/23 07:50 | 09/12/23 18:45 | 7440-23-5 | |
| Calcium | ND | mg/L | 1.0 | 0.12 | 1 | 09/12/23 07:50 | 09/12/23 18:45 | 7440-70-2 | |
| Magnesium | ND | mg/L | 0.050 | 0.012 | 1 | 09/12/23 07:50 | 09/12/23 18:45 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/12/23 07:45 | 09/15/23 18:32 | 7440-36-0 | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/12/23 07:45 | 09/15/23 18:32 | 7440-38-2 | |
| Barium | ND | mg/L | 0.0050 | 0.00067 | 1 | 09/12/23 07:45 | 09/15/23 18:32 | 7440-39-3 | |
| Beryllium | ND | mg/L | 0.00050 | 0.000054 | 1 | 09/12/23 07:45 | 09/15/23 18:32 | 7440-41-7 | |
| Boron | ND | mg/L | 0.040 | 0.0086 | 1 | 09/12/23 07:45 | 09/15/23 18:32 | 7440-42-8 | |
| Cadmium | ND | mg/L | 0.00050 | 0.00011 | 1 | 09/12/23 07:45 | 09/15/23 18:32 | 7440-43-9 | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/12/23 07:45 | 09/15/23 18:32 | 7440-47-3 | |
| Cobalt | ND | mg/L | 0.0050 | 0.00039 | 1 | 09/12/23 07:45 | 09/15/23 18:32 | 7440-48-4 | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/12/23 07:45 | 09/15/23 18:32 | 7439-92-1 | |
| Lithium | ND | mg/L | 0.030 | 0.00073 | 1 | 09/12/23 07:45 | 09/15/23 18:32 | 7439-93-2 | |
| Molybdenum | ND | mg/L | 0.010 | 0.00074 | 1 | 09/12/23 07:45 | 09/15/23 18:32 | 7439-98-7 | |
| Selenium | ND | mg/L | 0.0050 | 0.0014 | 1 | 09/12/23 07:45 | 09/15/23 18:32 | 7782-49-2 | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/12/23 07:45 | 09/15/23 18:32 | 7440-28-0 | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470A Preparation Method: EPA 7470A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 10/02/23 13:15 | 10/02/23 18:26 | 7439-97-6 | |
| 2540C Total Dissolved Solids | | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Total Dissolved Solids | 101 | mg/L | 25.0 | 25.0 | 1 | | 09/13/23 11:49 | | |
| 2320B Alkalinity | | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 14:44 | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 14:44 | | |
| Alkalinity, Total as CaCO3 | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 14:44 | | |
| 4500S2D Sulfide Water | | | | | | | | | |
| Analytical Method: SM 4500-S2D-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/13/23 02:42 | 18496-25-8 | |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Chloride | ND | mg/L | 1.0 | 0.60 | 1 | | 09/13/23 05:08 | 16887-00-6 | |
| Fluoride | ND | mg/L | 0.10 | 0.050 | 1 | | 09/13/23 05:08 | 16984-48-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

Sample: MCD-AP234-EB-2 Lab ID: 92686947008 Collected: 09/08/23 12:30 Received: 09/08/23 15:50 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|--------------|------|----|----------|----------------|------------|------|
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfate | ND | mg/L | 1.0 | 0.50 | 1 | | 09/13/23 05:08 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| Sample: MCD-DGWC-20 | | Lab ID: 92686947009 | | Collected: 09/11/23 09:22 | | Received: 09/12/23 08:30 | | Matrix: Water | | |
|-------------------------------------|---------|--|---------|---------------------------|-----|--------------------------|----------------|---------------|------|--|
| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual | |
| | | | Limit | MDL | DF | | | | | |
| 6010D ATL ICP | | Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Iron | ND | mg/L | 0.20 | 0.13 | 5 | 09/13/23 12:00 | 09/20/23 16:52 | 7439-89-6 | | |
| Potassium | 13.0 | mg/L | 2.5 | 0.76 | 5 | 09/13/23 12:00 | 09/20/23 16:52 | 7440-09-7 | | |
| Sodium | 18.9 | mg/L | 5.0 | 2.9 | 5 | 09/13/23 12:00 | 09/20/23 16:52 | 7440-23-5 | | |
| Calcium | 114 | mg/L | 5.0 | 0.61 | 5 | 09/13/23 12:00 | 09/20/23 16:52 | 7440-70-2 | | |
| Magnesium | 22.5 | mg/L | 0.25 | 0.059 | 5 | 09/13/23 12:00 | 09/20/23 16:52 | 7439-95-4 | | |
| 6020 MET ICPMS | | Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Antimony | 0.0018J | mg/L | 0.0030 | 0.0012 | 1 | 09/13/23 13:00 | 09/20/23 13:57 | 7440-36-0 | B | |
| Arsenic | 0.029 | mg/L | 0.0050 | 0.0037 | 1 | 09/13/23 13:00 | 09/20/23 13:57 | 7440-38-2 | | |
| Barium | 0.014 | mg/L | 0.0050 | 0.00067 | 1 | 09/13/23 13:00 | 09/20/23 13:57 | 7440-39-3 | | |
| Beryllium | 0.0067 | mg/L | 0.00050 | 0.000054 | 1 | 09/13/23 13:00 | 09/20/23 13:57 | 7440-41-7 | M1 | |
| Boron | 2.5 | mg/L | 0.040 | 0.0086 | 1 | 09/13/23 13:00 | 09/20/23 13:57 | 7440-42-8 | M1 | |
| Cadmium | 0.0038 | mg/L | 0.00050 | 0.00011 | 1 | 09/13/23 13:00 | 09/20/23 13:57 | 7440-43-9 | | |
| Chromium | 0.0026J | mg/L | 0.0050 | 0.0011 | 1 | 09/13/23 13:00 | 09/20/23 13:57 | 7440-47-3 | | |
| Cobalt | 1.4 | mg/L | 0.050 | 0.0039 | 10 | 09/13/23 13:00 | 09/22/23 15:09 | 7440-48-4 | | |
| Lead | ND | mg/L | 0.10 | 0.012 | 100 | 09/13/23 13:00 | 09/22/23 15:43 | 7439-92-1 | D3 | |
| Lithium | 0.011J | mg/L | 0.030 | 0.00073 | 1 | 09/13/23 13:00 | 09/20/23 13:57 | 7439-93-2 | | |
| Molybdenum | ND | mg/L | 0.010 | 0.00074 | 1 | 09/13/23 13:00 | 09/20/23 13:57 | 7439-98-7 | | |
| Selenium | 0.14 | mg/L | 0.0050 | 0.0014 | 1 | 09/13/23 13:00 | 09/20/23 13:57 | 7782-49-2 | | |
| Thallium | ND | mg/L | 0.10 | 0.018 | 100 | 09/13/23 13:00 | 09/22/23 15:43 | 7440-28-0 | D3 | |
| 7470 Mercury | | Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 10/02/23 13:15 | 10/02/23 18:29 | 7439-97-6 | | |
| 2540C Total Dissolved Solids | | Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Total Dissolved Solids | 960 | mg/L | 25.0 | 25.0 | 1 | | 09/13/23 11:49 | | D6 | |
| 2320B Alkalinity | | Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 14:48 | | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 14:48 | | | |
| Alkalinity, Total as CaCO3 | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 14:48 | | | |
| 4500S2D Sulfide Water | | Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/15/23 04:51 | 18496-25-8 | | |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | | |
| Chloride | 26.9 | mg/L | 1.0 | 0.60 | 1 | | 09/14/23 20:00 | 16887-00-6 | | |
| Fluoride | 1.5 | mg/L | 0.10 | 0.050 | 1 | | 09/14/23 20:00 | 16984-48-8 | | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| Sample: MCD-DGWC-20 | | Lab ID: 92686947009 | | Collected: 09/11/23 09:22 | | Received: 09/12/23 08:30 | | Matrix: Water | |
|--------------------------------|------------|---|--------------|---------------------------|----|--------------------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | |
| Sulfate | 552 | mg/L | 11.0 | 5.5 | 11 | | 09/15/23 09:13 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

Sample: MCD-DGWC-12 **Lab ID: 92686947010** Collected: 09/11/23 10:10 Received: 09/12/23 08:30 Matrix: Water

| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual |
|---|-----------|-------|---------|----------|----|----------------|----------------|------------|------|
| | | | Limit | MDL | DF | | | | |
| 6010D ATL ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Calcium | 30.8 | mg/L | 1.0 | 0.12 | 1 | 09/13/23 12:00 | 09/17/23 12:34 | 7440-70-2 | M1 |
| Iron | 26.4 | mg/L | 0.040 | 0.025 | 1 | 09/13/23 12:00 | 09/17/23 12:34 | 7439-89-6 | M1 |
| Magnesium | 18.1 | mg/L | 0.050 | 0.012 | 1 | 09/13/23 12:00 | 09/17/23 12:34 | 7439-95-4 | |
| Potassium | 8.5 | mg/L | 0.50 | 0.15 | 1 | 09/13/23 12:00 | 09/17/23 12:34 | 7440-09-7 | |
| Sodium | 8.0 | mg/L | 1.0 | 0.58 | 1 | 09/13/23 12:00 | 09/17/23 12:34 | 7440-23-5 | |
| 6020 MET ICPMS | | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/13/23 13:00 | 09/20/23 14:12 | 7440-36-0 | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/13/23 13:00 | 09/20/23 14:12 | 7440-38-2 | |
| Barium | 0.058 | mg/L | 0.0050 | 0.00067 | 1 | 09/13/23 13:00 | 09/20/23 14:12 | 7440-39-3 | |
| Beryllium | 0.000077J | mg/L | 0.00050 | 0.000054 | 1 | 09/13/23 13:00 | 09/20/23 14:12 | 7440-41-7 | |
| Boron | 0.46 | mg/L | 0.040 | 0.0086 | 1 | 09/13/23 13:00 | 09/20/23 14:12 | 7440-42-8 | |
| Cadmium | ND | mg/L | 0.00050 | 0.00011 | 1 | 09/13/23 13:00 | 09/20/23 14:12 | 7440-43-9 | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/13/23 13:00 | 09/20/23 14:12 | 7440-47-3 | |
| Cobalt | 0.017 | mg/L | 0.0050 | 0.00039 | 1 | 09/13/23 13:00 | 09/20/23 14:12 | 7440-48-4 | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/13/23 13:00 | 09/20/23 14:12 | 7439-92-1 | |
| Lithium | ND | mg/L | 0.030 | 0.00073 | 1 | 09/13/23 13:00 | 09/20/23 14:12 | 7439-93-2 | |
| Molybdenum | ND | mg/L | 0.010 | 0.00074 | 1 | 09/13/23 13:00 | 09/20/23 14:12 | 7439-98-7 | |
| Selenium | ND | mg/L | 0.0050 | 0.0014 | 1 | 09/13/23 13:00 | 09/20/23 14:12 | 7782-49-2 | |
| Thallium | 0.00021J | mg/L | 0.0010 | 0.00018 | 1 | 09/13/23 13:00 | 09/20/23 14:12 | 7440-28-0 | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470A Preparation Method: EPA 7470A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 10/02/23 13:15 | 10/02/23 18:31 | 7439-97-6 | |
| 2540C Total Dissolved Solids | | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Total Dissolved Solids | 302 | mg/L | 25.0 | 25.0 | 1 | | 09/13/23 11:50 | | |
| 2320B Alkalinity | | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | 66.1 | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 14:52 | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 14:52 | | |
| Alkalinity, Total as CaCO3 | 66.1 | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 14:52 | | |
| 4500S2D Sulfide Water | | | | | | | | | |
| Analytical Method: SM 4500-S2D-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/15/23 04:52 | 18496-25-8 | |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Chloride | 6.5 | mg/L | 1.0 | 0.60 | 1 | | 09/14/23 20:14 | 16887-00-6 | |
| Fluoride | 0.13 | mg/L | 0.10 | 0.050 | 1 | | 09/14/23 20:14 | 16984-48-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

Sample: MCD-DGWC-12 Lab ID: 92686947010 Collected: 09/11/23 10:10 Received: 09/12/23 08:30 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|--------------|-----|----|----------|----------------|------------|------|
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfate | 132 | mg/L | 3.0 | 1.5 | 3 | | 09/15/23 09:56 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

Sample: MCD-DGWC-21 **Lab ID: 92686947011** Collected: 09/11/23 11:26 Received: 09/12/23 08:30 Matrix: Water

| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual |
|---|-----------------|-------|---------|----------|----|----------------|----------------|------------|------|
| | | | Limit | MDL | DF | | | | |
| 6010D ATL ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Iron | ND | mg/L | 0.040 | 0.025 | 1 | 09/13/23 12:00 | 09/17/23 12:54 | 7439-89-6 | |
| Potassium | 6.5 | mg/L | 0.50 | 0.15 | 1 | 09/13/23 12:00 | 09/17/23 12:54 | 7440-09-7 | |
| Sodium | 23.0 | mg/L | 1.0 | 0.58 | 1 | 09/13/23 12:00 | 09/17/23 12:54 | 7440-23-5 | |
| Calcium | 88.4 | mg/L | 1.0 | 0.12 | 1 | 09/13/23 12:00 | 09/17/23 12:54 | 7440-70-2 | |
| Magnesium | 18.8 | mg/L | 0.050 | 0.012 | 1 | 09/13/23 12:00 | 09/17/23 12:54 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/13/23 13:00 | 09/20/23 14:16 | 7440-36-0 | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/13/23 13:00 | 09/20/23 14:16 | 7440-38-2 | |
| Barium | 0.024 | mg/L | 0.0050 | 0.00067 | 1 | 09/13/23 13:00 | 09/20/23 14:16 | 7440-39-3 | |
| Beryllium | 0.00016J | mg/L | 0.00050 | 0.000054 | 1 | 09/13/23 13:00 | 09/20/23 14:16 | 7440-41-7 | |
| Boron | 7.1 | mg/L | 0.40 | 0.086 | 10 | 09/13/23 13:00 | 09/22/23 15:21 | 7440-42-8 | |
| Cadmium | 0.00054 | mg/L | 0.00050 | 0.00011 | 1 | 09/13/23 13:00 | 09/20/23 14:16 | 7440-43-9 | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/13/23 13:00 | 09/20/23 14:16 | 7440-47-3 | |
| Cobalt | 0.0097 | mg/L | 0.0050 | 0.00039 | 1 | 09/13/23 13:00 | 09/20/23 14:16 | 7440-48-4 | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/13/23 13:00 | 09/20/23 14:16 | 7439-92-1 | |
| Lithium | 0.0055J | mg/L | 0.030 | 0.00073 | 1 | 09/13/23 13:00 | 09/20/23 14:16 | 7439-93-2 | |
| Molybdenum | ND | mg/L | 0.010 | 0.00074 | 1 | 09/13/23 13:00 | 09/20/23 14:16 | 7439-98-7 | |
| Selenium | ND | mg/L | 0.0050 | 0.0014 | 1 | 09/13/23 13:00 | 09/20/23 14:16 | 7782-49-2 | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/13/23 13:00 | 09/20/23 14:16 | 7440-28-0 | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470A Preparation Method: EPA 7470A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 10/02/23 13:15 | 10/02/23 18:39 | 7439-97-6 | |
| 2540C Total Dissolved Solids | | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Total Dissolved Solids | 519 | mg/L | 25.0 | 25.0 | 1 | | 09/13/23 11:50 | | |
| 2320B Alkalinity | | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | 30.7 | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 15:00 | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 15:00 | | |
| Alkalinity, Total as CaCO3 | 30.7 | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 15:00 | | |
| 4500S2D Sulfide Water | | | | | | | | | |
| Analytical Method: SM 4500-S2D-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/15/23 04:52 | 18496-25-8 | |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Chloride | 17.8 | mg/L | 1.0 | 0.60 | 1 | | 09/14/23 20:28 | 16887-00-6 | |
| Fluoride | 0.054J | mg/L | 0.10 | 0.050 | 1 | | 09/14/23 20:28 | 16984-48-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| Sample: MCD-DGWC-21 | | Lab ID: 92686947011 | | Collected: 09/11/23 11:26 | | Received: 09/12/23 08:30 | | Matrix: Water | |
|---|---------|---------------------|-----------------|---------------------------|----|--------------------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfate | 268 | mg/L | 6.0 | 3.0 | 6 | | 09/15/23 10:10 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

Sample: MCD-DGWC-22 **Lab ID: 92686947012** Collected: 09/11/23 13:19 Received: 09/12/23 08:30 Matrix: Water

| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual |
|---|-----------------|-------|---------|----------|----|----------------|----------------|------------|------|
| | | | Limit | MDL | DF | | | | |
| 6010D ATL ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Iron | ND | mg/L | 0.040 | 0.025 | 1 | 09/13/23 12:00 | 09/17/23 13:00 | 7439-89-6 | |
| Potassium | 6.0 | mg/L | 0.50 | 0.15 | 1 | 09/13/23 12:00 | 09/17/23 13:00 | 7440-09-7 | |
| Sodium | 26.2 | mg/L | 1.0 | 0.58 | 1 | 09/13/23 12:00 | 09/17/23 13:00 | 7440-23-5 | |
| Calcium | 61.2 | mg/L | 1.0 | 0.12 | 1 | 09/13/23 12:00 | 09/17/23 13:00 | 7440-70-2 | |
| Magnesium | 22.0 | mg/L | 0.050 | 0.012 | 1 | 09/13/23 12:00 | 09/17/23 13:00 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/13/23 13:00 | 09/20/23 14:20 | 7440-36-0 | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/13/23 13:00 | 09/20/23 14:20 | 7440-38-2 | |
| Barium | 0.029 | mg/L | 0.0050 | 0.00067 | 1 | 09/13/23 13:00 | 09/20/23 14:20 | 7440-39-3 | |
| Beryllium | 0.00012J | mg/L | 0.00050 | 0.000054 | 1 | 09/13/23 13:00 | 09/20/23 14:20 | 7440-41-7 | |
| Boron | 3.9 | mg/L | 0.040 | 0.0086 | 1 | 09/13/23 13:00 | 09/20/23 14:20 | 7440-42-8 | |
| Cadmium | 0.00060 | mg/L | 0.00050 | 0.00011 | 1 | 09/13/23 13:00 | 09/20/23 14:20 | 7440-43-9 | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/13/23 13:00 | 09/20/23 14:20 | 7440-47-3 | |
| Cobalt | 0.0074 | mg/L | 0.0050 | 0.00039 | 1 | 09/13/23 13:00 | 09/20/23 14:20 | 7440-48-4 | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/13/23 13:00 | 09/20/23 14:20 | 7439-92-1 | |
| Lithium | 0.0031J | mg/L | 0.030 | 0.00073 | 1 | 09/13/23 13:00 | 09/20/23 14:20 | 7439-93-2 | |
| Molybdenum | 0.00097J | mg/L | 0.010 | 0.00074 | 1 | 09/13/23 13:00 | 09/20/23 14:20 | 7439-98-7 | |
| Selenium | ND | mg/L | 0.0050 | 0.0014 | 1 | 09/13/23 13:00 | 09/20/23 14:20 | 7782-49-2 | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/13/23 13:00 | 09/20/23 14:20 | 7440-28-0 | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470A Preparation Method: EPA 7470A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 10/02/23 13:15 | 10/02/23 18:42 | 7439-97-6 | |
| 2540C Total Dissolved Solids | | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Total Dissolved Solids | 460 | mg/L | 25.0 | 25.0 | 1 | | 09/13/23 11:50 | | |
| 2320B Alkalinity | | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | 26.4 | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 15:17 | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 15:17 | | |
| Alkalinity, Total as CaCO3 | 26.4 | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 15:17 | | |
| 4500S2D Sulfide Water | | | | | | | | | |
| Analytical Method: SM 4500-S2D-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/15/23 04:52 | 18496-25-8 | |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Chloride | 16.8 | mg/L | 1.0 | 0.60 | 1 | | 09/14/23 20:43 | 16887-00-6 | |
| Fluoride | 0.054J | mg/L | 0.10 | 0.050 | 1 | | 09/14/23 20:43 | 16984-48-8 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

Sample: MCD-DGWC-22 Lab ID: 92686947012 Collected: 09/11/23 13:19 Received: 09/12/23 08:30 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|-----------------|-----|----|----------|----------------|------------|------|
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfate | 236 | mg/L | 5.0 | 2.5 | 5 | | 09/15/23 10:24 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

Sample: MCD-DGWC-10 **Lab ID: 92686947013** Collected: 09/11/23 13:15 Received: 09/12/23 08:30 Matrix: Water

| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|---------|----------|----|----------------|----------------|------------|------|
| | | | Limit | MDL | DF | | | | |
| 6010D ATL ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Iron | ND | mg/L | 0.040 | 0.025 | 1 | 09/13/23 12:00 | 09/17/23 13:05 | 7439-89-6 | |
| Potassium | 5.5 | mg/L | 0.50 | 0.15 | 1 | 09/13/23 12:00 | 09/17/23 13:05 | 7440-09-7 | |
| Sodium | 11.1 | mg/L | 1.0 | 0.58 | 1 | 09/13/23 12:00 | 09/17/23 13:05 | 7440-23-5 | |
| Calcium | 72.7 | mg/L | 1.0 | 0.12 | 1 | 09/13/23 12:00 | 09/17/23 13:05 | 7440-70-2 | |
| Magnesium | 6.7 | mg/L | 0.050 | 0.012 | 1 | 09/13/23 12:00 | 09/17/23 13:05 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/13/23 13:00 | 09/20/23 14:24 | 7440-36-0 | |
| Arsenic | 0.0065 | mg/L | 0.0050 | 0.0037 | 1 | 09/13/23 13:00 | 09/20/23 14:24 | 7440-38-2 | |
| Barium | 0.019 | mg/L | 0.0050 | 0.00067 | 1 | 09/13/23 13:00 | 09/20/23 14:24 | 7440-39-3 | |
| Beryllium | 0.0065 | mg/L | 0.00050 | 0.000054 | 1 | 09/13/23 13:00 | 09/20/23 14:24 | 7440-41-7 | |
| Boron | 0.28 | mg/L | 0.040 | 0.0086 | 1 | 09/13/23 13:00 | 09/20/23 14:24 | 7440-42-8 | |
| Cadmium | 0.00060 | mg/L | 0.00050 | 0.00011 | 1 | 09/13/23 13:00 | 09/20/23 14:24 | 7440-43-9 | |
| Chromium | 0.0016J | mg/L | 0.0050 | 0.0011 | 1 | 09/13/23 13:00 | 09/20/23 14:24 | 7440-47-3 | |
| Cobalt | 0.11 | mg/L | 0.0050 | 0.00039 | 1 | 09/13/23 13:00 | 09/20/23 14:24 | 7440-48-4 | |
| Lead | ND | mg/L | 0.010 | 0.0012 | 10 | 09/13/23 13:00 | 09/22/23 15:25 | 7439-92-1 | D3 |
| Lithium | 0.0043J | mg/L | 0.030 | 0.00073 | 1 | 09/13/23 13:00 | 09/20/23 14:24 | 7439-93-2 | |
| Molybdenum | ND | mg/L | 0.010 | 0.00074 | 1 | 09/13/23 13:00 | 09/20/23 14:24 | 7439-98-7 | |
| Selenium | 0.038 | mg/L | 0.0050 | 0.0014 | 1 | 09/13/23 13:00 | 09/20/23 14:24 | 7782-49-2 | |
| Thallium | ND | mg/L | 0.010 | 0.0018 | 10 | 09/13/23 13:00 | 09/22/23 15:25 | 7440-28-0 | D3 |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470A Preparation Method: EPA 7470A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Mercury | 0.0021 | mg/L | 0.00020 | 0.00013 | 1 | 10/02/23 13:15 | 10/02/23 18:45 | 7439-97-6 | |
| 2540C Total Dissolved Solids | | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Total Dissolved Solids | 436 | mg/L | 25.0 | 25.0 | 1 | | 09/13/23 11:51 | | |
| 2320B Alkalinity | | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 15:23 | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 15:23 | | |
| Alkalinity, Total as CaCO3 | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 15:23 | | |
| 4500S2D Sulfide Water | | | | | | | | | |
| Analytical Method: SM 4500-S2D-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/15/23 04:54 | 18496-25-8 | |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Chloride | 10.1 | mg/L | 1.0 | 0.60 | 1 | | 09/14/23 20:57 | 16887-00-6 | |
| Fluoride | 1.3 | mg/L | 0.10 | 0.050 | 1 | | 09/14/23 20:57 | 16984-48-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| Sample: MCD-DGWC-10 | | Lab ID: 92686947013 | | Collected: 09/11/23 13:15 | | Received: 09/12/23 08:30 | | Matrix: Water | |
|--------------------------------|------------|---|--------------|---------------------------|----|--------------------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | |
| Sulfate | 258 | mg/L | 5.0 | 2.5 | 5 | | 09/15/23 10:38 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

Sample: MCD-DGWC-23 **Lab ID: 92686947014** Collected: 09/11/23 14:39 Received: 09/12/23 08:30 Matrix: Water

| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual |
|---|----------|-------|---------|----------|----|----------------|----------------|------------|------|
| | | | Limit | MDL | DF | | | | |
| 6010D ATL ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Iron | ND | mg/L | 0.040 | 0.025 | 1 | 09/13/23 12:00 | 09/17/23 13:10 | 7439-89-6 | |
| Potassium | 7.4 | mg/L | 0.50 | 0.15 | 1 | 09/13/23 12:00 | 09/17/23 13:10 | 7440-09-7 | |
| Sodium | 22.2 | mg/L | 1.0 | 0.58 | 1 | 09/13/23 12:00 | 09/17/23 13:10 | 7440-23-5 | |
| Calcium | 95.4 | mg/L | 1.0 | 0.12 | 1 | 09/13/23 12:00 | 09/17/23 13:10 | 7440-70-2 | |
| Magnesium | 23.0 | mg/L | 0.050 | 0.012 | 1 | 09/13/23 12:00 | 09/17/23 13:10 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/13/23 13:00 | 09/20/23 14:43 | 7440-36-0 | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/13/23 13:00 | 09/20/23 14:43 | 7440-38-2 | |
| Barium | 0.022 | mg/L | 0.0050 | 0.00067 | 1 | 09/13/23 13:00 | 09/20/23 14:43 | 7440-39-3 | |
| Beryllium | 0.00035J | mg/L | 0.00050 | 0.000054 | 1 | 09/13/23 13:00 | 09/20/23 14:43 | 7440-41-7 | |
| Boron | 4.4 | mg/L | 0.040 | 0.0086 | 1 | 09/13/23 13:00 | 09/20/23 14:43 | 7440-42-8 | |
| Cadmium | ND | mg/L | 0.00050 | 0.00011 | 1 | 09/13/23 13:00 | 09/20/23 14:43 | 7440-43-9 | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/13/23 13:00 | 09/20/23 14:43 | 7440-47-3 | |
| Cobalt | 0.00074J | mg/L | 0.0050 | 0.00039 | 1 | 09/13/23 13:00 | 09/20/23 14:43 | 7440-48-4 | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/13/23 13:00 | 09/20/23 14:43 | 7439-92-1 | |
| Lithium | 0.0036J | mg/L | 0.030 | 0.00073 | 1 | 09/13/23 13:00 | 09/20/23 14:43 | 7439-93-2 | |
| Molybdenum | 0.0088J | mg/L | 0.010 | 0.00074 | 1 | 09/13/23 13:00 | 09/20/23 14:43 | 7439-98-7 | |
| Selenium | ND | mg/L | 0.0050 | 0.0014 | 1 | 09/13/23 13:00 | 09/20/23 14:43 | 7782-49-2 | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/13/23 13:00 | 09/20/23 14:43 | 7440-28-0 | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470A Preparation Method: EPA 7470A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 10/02/23 13:15 | 10/02/23 18:47 | 7439-97-6 | |
| 2540C Total Dissolved Solids | | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Total Dissolved Solids | 582 | mg/L | 25.0 | 25.0 | 1 | | 09/13/23 11:51 | | |
| 2320B Alkalinity | | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | 86.8 | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 15:27 | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 15:27 | | |
| Alkalinity, Total as CaCO3 | 86.8 | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 15:27 | | |
| 4500S2D Sulfide Water | | | | | | | | | |
| Analytical Method: SM 4500-S2D-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/15/23 04:55 | 18496-25-8 | |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Chloride | 12.0 | mg/L | 1.0 | 0.60 | 1 | | 09/14/23 21:11 | 16887-00-6 | |
| Fluoride | 0.10 | mg/L | 0.10 | 0.050 | 1 | | 09/14/23 21:11 | 16984-48-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

Sample: MCD-DGWC-23 Lab ID: 92686947014 Collected: 09/11/23 14:39 Received: 09/12/23 08:30 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|--------------|-----|----|----------|----------------|------------|------|
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfate | 275 | mg/L | 6.0 | 3.0 | 6 | | 09/15/23 10:52 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

Sample: MCD-AP234-FD-3 Lab ID: 92686947015 Collected: 09/11/23 00:00 Received: 09/12/23 08:30 Matrix: Water

| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual |
|--|----------|-------|---------|----------|----|----------------|----------------|------------|------|
| | | | Limit | MDL | DF | | | | |
| 6010D ATL ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Iron | ND | mg/L | 0.040 | 0.025 | 1 | 09/13/23 12:00 | 09/17/23 13:15 | 7439-89-6 | |
| Potassium | 6.6 | mg/L | 0.50 | 0.15 | 1 | 09/13/23 12:00 | 09/17/23 13:15 | 7440-09-7 | |
| Sodium | 22.9 | mg/L | 1.0 | 0.58 | 1 | 09/13/23 12:00 | 09/17/23 13:15 | 7440-23-5 | |
| Calcium | 88.5 | mg/L | 1.0 | 0.12 | 1 | 09/13/23 12:00 | 09/17/23 13:15 | 7440-70-2 | |
| Magnesium | 18.7 | mg/L | 0.050 | 0.012 | 1 | 09/13/23 12:00 | 09/17/23 13:15 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/13/23 13:00 | 09/20/23 14:47 | 7440-36-0 | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/13/23 13:00 | 09/20/23 14:47 | 7440-38-2 | |
| Barium | 0.024 | mg/L | 0.0050 | 0.00067 | 1 | 09/13/23 13:00 | 09/20/23 14:47 | 7440-39-3 | |
| Beryllium | 0.00015J | mg/L | 0.00050 | 0.000054 | 1 | 09/13/23 13:00 | 09/20/23 14:47 | 7440-41-7 | |
| Boron | 7.0 | mg/L | 0.40 | 0.086 | 10 | 09/13/23 13:00 | 09/22/23 15:29 | 7440-42-8 | |
| Cadmium | 0.00052 | mg/L | 0.00050 | 0.00011 | 1 | 09/13/23 13:00 | 09/20/23 14:47 | 7440-43-9 | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/13/23 13:00 | 09/20/23 14:47 | 7440-47-3 | |
| Cobalt | 0.0096 | mg/L | 0.0050 | 0.00039 | 1 | 09/13/23 13:00 | 09/20/23 14:47 | 7440-48-4 | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/13/23 13:00 | 09/20/23 14:47 | 7439-92-1 | |
| Lithium | 0.0054J | mg/L | 0.030 | 0.00073 | 1 | 09/13/23 13:00 | 09/20/23 14:47 | 7439-93-2 | |
| Molybdenum | ND | mg/L | 0.010 | 0.00074 | 1 | 09/13/23 13:00 | 09/20/23 14:47 | 7439-98-7 | |
| Selenium | ND | mg/L | 0.0050 | 0.0014 | 1 | 09/13/23 13:00 | 09/20/23 14:47 | 7782-49-2 | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/13/23 13:00 | 09/20/23 14:47 | 7440-28-0 | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470A Preparation Method: EPA 7470A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Mercury | 0.00013J | mg/L | 0.00020 | 0.00013 | 1 | 10/02/23 13:15 | 10/02/23 18:50 | 7439-97-6 | |
| 2540C Total Dissolved Solids | | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Total Dissolved Solids | 507 | mg/L | 25.0 | 25.0 | 1 | | 09/13/23 11:51 | | |
| 2320B Alkalinity | | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | 30.7 | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 15:37 | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 15:37 | | |
| Alkalinity, Total as CaCO3 | 30.7 | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 15:37 | | |
| 4500S2D Sulfide Water | | | | | | | | | |
| Analytical Method: SM 4500-S2D-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/15/23 04:55 | 18496-25-8 | |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Chloride | 17.9 | mg/L | 1.0 | 0.60 | 1 | | 09/14/23 21:26 | 16887-00-6 | |
| Fluoride | 0.054J | mg/L | 0.10 | 0.050 | 1 | | 09/14/23 21:26 | 16984-48-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

Sample: MCD-AP234-FD-3 Lab ID: 92686947015 Collected: 09/11/23 00:00 Received: 09/12/23 08:30 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|-----------------|-----|----|----------|----------------|------------|------|
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfate | 268 | mg/L | 6.0 | 3.0 | 6 | | 09/15/23 11:06 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

Sample: MCD-AP234-FB-3 Lab ID: 92686947016 Collected: 09/11/23 10:05 Received: 09/12/23 08:30 Matrix: Water

| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual |
|--|---------|-------|---------|----------|----|----------------|----------------|------------|------|
| | | | Limit | MDL | DF | | | | |
| 6010D ATL ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Iron | ND | mg/L | 0.040 | 0.025 | 1 | 09/13/23 12:00 | 09/17/23 13:31 | 7439-89-6 | |
| Potassium | ND | mg/L | 0.50 | 0.15 | 1 | 09/13/23 12:00 | 09/17/23 13:31 | 7440-09-7 | |
| Sodium | ND | mg/L | 1.0 | 0.58 | 1 | 09/13/23 12:00 | 09/17/23 13:31 | 7440-23-5 | |
| Calcium | ND | mg/L | 1.0 | 0.12 | 1 | 09/13/23 12:00 | 09/17/23 13:31 | 7440-70-2 | |
| Magnesium | ND | mg/L | 0.050 | 0.012 | 1 | 09/13/23 12:00 | 09/17/23 13:31 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/13/23 13:00 | 09/20/23 14:51 | 7440-36-0 | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/13/23 13:00 | 09/20/23 14:51 | 7440-38-2 | |
| Barium | ND | mg/L | 0.0050 | 0.00067 | 1 | 09/13/23 13:00 | 09/20/23 14:51 | 7440-39-3 | |
| Beryllium | ND | mg/L | 0.00050 | 0.000054 | 1 | 09/13/23 13:00 | 09/20/23 14:51 | 7440-41-7 | |
| Boron | 0.016J | mg/L | 0.040 | 0.0086 | 1 | 09/13/23 13:00 | 09/20/23 14:51 | 7440-42-8 | |
| Cadmium | ND | mg/L | 0.00050 | 0.00011 | 1 | 09/13/23 13:00 | 09/20/23 14:51 | 7440-43-9 | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/13/23 13:00 | 09/20/23 14:51 | 7440-47-3 | |
| Cobalt | ND | mg/L | 0.0050 | 0.00039 | 1 | 09/13/23 13:00 | 09/20/23 14:51 | 7440-48-4 | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/13/23 13:00 | 09/20/23 14:51 | 7439-92-1 | |
| Lithium | ND | mg/L | 0.030 | 0.00073 | 1 | 09/13/23 13:00 | 09/20/23 14:51 | 7439-93-2 | |
| Molybdenum | ND | mg/L | 0.010 | 0.00074 | 1 | 09/13/23 13:00 | 09/20/23 14:51 | 7439-98-7 | |
| Selenium | ND | mg/L | 0.0050 | 0.0014 | 1 | 09/13/23 13:00 | 09/20/23 14:51 | 7782-49-2 | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/13/23 13:00 | 09/20/23 14:51 | 7440-28-0 | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470A Preparation Method: EPA 7470A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 10/02/23 13:15 | 10/02/23 18:52 | 7439-97-6 | |
| 2540C Total Dissolved Solids | | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Total Dissolved Solids | ND | mg/L | 25.0 | 25.0 | 1 | | 09/13/23 11:51 | | |
| 2320B Alkalinity | | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 15:43 | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 15:43 | | |
| Alkalinity, Total as CaCO3 | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 15:43 | | |
| 4500S2D Sulfide Water | | | | | | | | | |
| Analytical Method: SM 4500-S2D-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/15/23 04:55 | 18496-25-8 | |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Chloride | ND | mg/L | 1.0 | 0.60 | 1 | | 09/14/23 22:09 | 16887-00-6 | |
| Fluoride | ND | mg/L | 0.10 | 0.050 | 1 | | 09/14/23 22:09 | 16984-48-8 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

Sample: MCD-AP234-FB-3 Lab ID: 92686947016 Collected: 09/11/23 10:05 Received: 09/12/23 08:30 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|-----------------|------|----|----------|----------------|------------|------|
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfate | ND | mg/L | 1.0 | 0.50 | 1 | | 09/14/23 22:09 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

Sample: MCD-AP234-EB-3 **Lab ID: 92686947017** Collected: 09/11/23 15:30 Received: 09/12/23 08:30 Matrix: Water

| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual |
|---|---------------|-------|---------|----------|----|----------------|----------------|------------|------|
| | | | Limit | MDL | DF | | | | |
| 6010D ATL ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Iron | ND | mg/L | 0.040 | 0.025 | 1 | 09/13/23 12:00 | 09/17/23 13:36 | 7439-89-6 | |
| Potassium | ND | mg/L | 0.50 | 0.15 | 1 | 09/13/23 12:00 | 09/17/23 13:36 | 7440-09-7 | |
| Sodium | ND | mg/L | 1.0 | 0.58 | 1 | 09/13/23 12:00 | 09/17/23 13:36 | 7440-23-5 | |
| Calcium | ND | mg/L | 1.0 | 0.12 | 1 | 09/13/23 12:00 | 09/17/23 13:36 | 7440-70-2 | |
| Magnesium | ND | mg/L | 0.050 | 0.012 | 1 | 09/13/23 12:00 | 09/17/23 13:36 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/13/23 13:00 | 09/20/23 14:55 | 7440-36-0 | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/13/23 13:00 | 09/20/23 14:55 | 7440-38-2 | |
| Barium | ND | mg/L | 0.0050 | 0.00067 | 1 | 09/13/23 13:00 | 09/20/23 14:55 | 7440-39-3 | |
| Beryllium | ND | mg/L | 0.00050 | 0.000054 | 1 | 09/13/23 13:00 | 09/20/23 14:55 | 7440-41-7 | |
| Boron | 0.012J | mg/L | 0.040 | 0.0086 | 1 | 09/13/23 13:00 | 09/20/23 14:55 | 7440-42-8 | |
| Cadmium | ND | mg/L | 0.00050 | 0.00011 | 1 | 09/13/23 13:00 | 09/20/23 14:55 | 7440-43-9 | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/13/23 13:00 | 09/20/23 14:55 | 7440-47-3 | |
| Cobalt | ND | mg/L | 0.0050 | 0.00039 | 1 | 09/13/23 13:00 | 09/20/23 14:55 | 7440-48-4 | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/13/23 13:00 | 09/20/23 14:55 | 7439-92-1 | |
| Lithium | ND | mg/L | 0.030 | 0.00073 | 1 | 09/13/23 13:00 | 09/20/23 14:55 | 7439-93-2 | |
| Molybdenum | ND | mg/L | 0.010 | 0.00074 | 1 | 09/13/23 13:00 | 09/20/23 14:55 | 7439-98-7 | |
| Selenium | ND | mg/L | 0.0050 | 0.0014 | 1 | 09/13/23 13:00 | 09/20/23 14:55 | 7782-49-2 | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/13/23 13:00 | 09/20/23 14:55 | 7440-28-0 | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470A Preparation Method: EPA 7470A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 10/02/23 13:15 | 10/02/23 18:55 | 7439-97-6 | |
| 2540C Total Dissolved Solids | | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Total Dissolved Solids | ND | mg/L | 25.0 | 25.0 | 1 | | 09/13/23 11:52 | | |
| 2320B Alkalinity | | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 15:48 | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 15:48 | | |
| Alkalinity, Total as CaCO3 | ND | mg/L | 5.0 | 5.0 | 1 | | 09/14/23 15:48 | | |
| 4500S2D Sulfide Water | | | | | | | | | |
| Analytical Method: SM 4500-S2D-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/15/23 04:56 | 18496-25-8 | |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Chloride | ND | mg/L | 1.0 | 0.60 | 1 | | 09/14/23 22:52 | 16887-00-6 | |
| Fluoride | ND | mg/L | 0.10 | 0.050 | 1 | | 09/14/23 22:52 | 16984-48-8 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

Sample: MCD-AP234-EB-3 **Lab ID: 92686947017** Collected: 09/11/23 15:30 Received: 09/12/23 08:30 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|-----------------|------|----|----------|----------------|------------|------|
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfate | ND | mg/L | 1.0 | 0.50 | 1 | | 09/14/23 22:52 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

Sample: MCD-DGWC-47 **Lab ID: 92686947018** Collected: 09/12/23 11:28 Received: 09/13/23 08:36 Matrix: Water

| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual |
|---|----------|-------|---------|---------|----|----------------|----------------|------------|------|
| | | | Limit | MDL | DF | | | | |
| 6010D ATL ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Iron | 3.0 | mg/L | 0.040 | 0.025 | 1 | 09/28/23 13:55 | 10/02/23 22:22 | 7439-89-6 | |
| Potassium | 5.3 | mg/L | 0.50 | 0.15 | 1 | 09/28/23 13:55 | 10/02/23 22:22 | 7440-09-7 | |
| Sodium | 6.8 | mg/L | 1.0 | 0.58 | 1 | 09/28/23 13:55 | 10/02/23 22:22 | 7440-23-5 | |
| Calcium | 21.9 | mg/L | 1.0 | 0.12 | 1 | 09/28/23 13:55 | 10/02/23 22:22 | 7440-70-2 | |
| Magnesium | 6.1 | mg/L | 0.050 | 0.012 | 1 | 09/28/23 13:55 | 10/02/23 22:22 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/14/23 11:00 | 09/25/23 17:07 | 7440-36-0 | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/14/23 11:00 | 09/25/23 17:07 | 7440-38-2 | |
| Barium | 0.023 | mg/L | 0.0050 | 0.00067 | 1 | 09/14/23 11:00 | 09/25/23 17:07 | 7440-39-3 | |
| Beryllium | 0.0081 | mg/L | 0.0025 | 0.00027 | 5 | 09/14/23 11:00 | 09/26/23 17:17 | 7440-41-7 | |
| Boron | 0.10 | mg/L | 0.040 | 0.0086 | 1 | 09/14/23 11:00 | 09/25/23 17:07 | 7440-42-8 | |
| Cadmium | 0.00083 | mg/L | 0.00050 | 0.00011 | 1 | 09/14/23 11:00 | 09/25/23 17:07 | 7440-43-9 | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/14/23 11:00 | 09/25/23 17:07 | 7440-47-3 | |
| Cobalt | 0.18 | mg/L | 0.0050 | 0.00039 | 1 | 09/14/23 11:00 | 09/25/23 17:07 | 7440-48-4 | |
| Lead | 0.00024J | mg/L | 0.0010 | 0.00012 | 1 | 09/14/23 11:00 | 09/25/23 17:07 | 7439-92-1 | |
| Lithium | 0.034 | mg/L | 0.030 | 0.00073 | 1 | 09/14/23 11:00 | 09/25/23 17:07 | 7439-93-2 | |
| Molybdenum | ND | mg/L | 0.010 | 0.00074 | 1 | 09/14/23 11:00 | 09/25/23 17:07 | 7439-98-7 | |
| Selenium | 0.0022J | mg/L | 0.0050 | 0.0014 | 1 | 09/14/23 11:00 | 09/25/23 17:07 | 7782-49-2 | |
| Thallium | 0.00019J | mg/L | 0.0010 | 0.00018 | 1 | 09/14/23 11:00 | 09/25/23 17:07 | 7440-28-0 | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470A Preparation Method: EPA 7470A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 10/02/23 13:15 | 10/02/23 18:58 | 7439-97-6 | |
| 2540C Total Dissolved Solids | | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Total Dissolved Solids | 218 | mg/L | 25.0 | 25.0 | 1 | | 09/18/23 12:53 | | |
| 2320B Alkalinity | | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/18/23 15:35 | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/18/23 15:35 | | |
| Alkalinity, Total as CaCO3 | ND | mg/L | 5.0 | 5.0 | 1 | | 09/18/23 15:35 | | |
| 4500S2D Sulfide Water | | | | | | | | | |
| Analytical Method: SM 4500-S2D-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/15/23 05:07 | 18496-25-8 | |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Chloride | 2.4 | mg/L | 1.0 | 0.60 | 1 | | 09/15/23 05:09 | 16887-00-6 | |
| Fluoride | 0.51 | mg/L | 0.10 | 0.050 | 1 | | 09/15/23 05:09 | 16984-48-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

Sample: MCD-DGWC-47 Lab ID: 92686947018 Collected: 09/12/23 11:28 Received: 09/13/23 08:36 Matrix: Water

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---------|-------|--------------|-----|----|----------|----------------|------------|------|
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfate | 119 | mg/L | 3.0 | 1.5 | 3 | | 09/15/23 14:11 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| Sample: MCD-DGWC-8 | | Lab ID: 92686947019 | | Collected: 09/12/23 11:12 | | Received: 09/13/23 08:36 | | Matrix: Water | | |
|-------------------------------------|----------|--|---------|---------------------------|----|--------------------------|----------------|---------------|------|--|
| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual | |
| | | | Limit | MDL | DF | | | | | |
| 6010D ATL ICP | | Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Iron | ND | mg/L | 0.040 | 0.025 | 1 | 09/28/23 13:55 | 10/02/23 22:27 | 7439-89-6 | | |
| Potassium | 4.0 | mg/L | 0.50 | 0.15 | 1 | 09/28/23 13:55 | 10/02/23 22:27 | 7440-09-7 | | |
| Sodium | 12.0 | mg/L | 1.0 | 0.58 | 1 | 09/28/23 13:55 | 10/02/23 22:27 | 7440-23-5 | | |
| Calcium | 30.0 | mg/L | 1.0 | 0.12 | 1 | 09/28/23 13:55 | 10/02/23 22:27 | 7440-70-2 | | |
| Magnesium | 13.9 | mg/L | 0.050 | 0.012 | 1 | 09/28/23 13:55 | 10/02/23 22:27 | 7439-95-4 | | |
| 6020 MET ICPMS | | Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/14/23 11:00 | 09/26/23 14:32 | 7440-36-0 | | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/14/23 11:00 | 09/26/23 14:32 | 7440-38-2 | | |
| Barium | 0.021 | mg/L | 0.0050 | 0.00067 | 1 | 09/14/23 11:00 | 09/26/23 14:32 | 7440-39-3 | | |
| Beryllium | 0.0014 | mg/L | 0.00050 | 0.000054 | 1 | 09/14/23 11:00 | 09/26/23 14:32 | 7440-41-7 | | |
| Boron | 0.75 | mg/L | 0.040 | 0.0086 | 1 | 09/14/23 11:00 | 09/26/23 14:32 | 7440-42-8 | | |
| Cadmium | 0.0015 | mg/L | 0.00050 | 0.00011 | 1 | 09/14/23 11:00 | 09/26/23 14:32 | 7440-43-9 | | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/14/23 11:00 | 09/26/23 14:32 | 7440-47-3 | | |
| Cobalt | 0.0030J | mg/L | 0.0050 | 0.00039 | 1 | 09/14/23 11:00 | 09/26/23 14:32 | 7440-48-4 | | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/14/23 11:00 | 09/26/23 14:32 | 7439-92-1 | | |
| Lithium | 0.0045J | mg/L | 0.030 | 0.00073 | 1 | 09/14/23 11:00 | 09/26/23 14:32 | 7439-93-2 | | |
| Molybdenum | ND | mg/L | 0.010 | 0.00074 | 1 | 09/14/23 11:00 | 09/26/23 14:32 | 7439-98-7 | | |
| Selenium | ND | mg/L | 0.0050 | 0.0014 | 1 | 09/14/23 11:00 | 09/26/23 14:32 | 7782-49-2 | | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/14/23 11:00 | 09/26/23 14:32 | 7440-28-0 | | |
| 7470 Mercury | | Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Mercury | 0.00013J | mg/L | 0.00020 | 0.00013 | 1 | 10/02/23 13:15 | 10/02/23 19:00 | 7439-97-6 | | |
| 2540C Total Dissolved Solids | | Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Total Dissolved Solids | 251 | mg/L | 25.0 | 25.0 | 1 | | 09/18/23 12:53 | | | |
| 2320B Alkalinity | | Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | 5.2 | mg/L | 5.0 | 5.0 | 1 | | 09/18/23 15:38 | | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/18/23 15:38 | | | |
| Alkalinity, Total as CaCO3 | 5.2 | mg/L | 5.0 | 5.0 | 1 | | 09/18/23 15:38 | | | |
| 4500S2D Sulfide Water | | Analytical Method: SM 4500-S2D-2011 Pace Analytical Services - Asheville | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/15/23 05:08 | 18496-25-8 | | |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | | |
| Chloride | 9.5 | mg/L | 1.0 | 0.60 | 1 | | 09/15/23 05:23 | 16887-00-6 | | |
| Fluoride | 0.091J | mg/L | 0.10 | 0.050 | 1 | | 09/15/23 05:23 | 16984-48-8 | | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| Sample: MCD-DGWC-8 | | Lab ID: 92686947019 | | Collected: 09/12/23 11:12 | | Received: 09/13/23 08:36 | | Matrix: Water | |
|---|---------|---------------------|-----------------|---------------------------|----|--------------------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfate | 134 | mg/L | 3.0 | 1.5 | 3 | | 09/15/23 14:26 | 14808-79-8 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

Sample: MCD-DGWC-2 **Lab ID: 92686947020** Collected: 09/13/23 10:48 Received: 09/14/23 14:22 Matrix: Water

| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual |
|---|----------------|-------|---------|----------|----|----------------|----------------|------------|------|
| | | | Limit | MDL | DF | | | | |
| 6010D ATL ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Iron | 0.16 | mg/L | 0.040 | 0.025 | 1 | 09/28/23 13:55 | 10/03/23 13:30 | 7439-89-6 | |
| Potassium | 5.0 | mg/L | 0.50 | 0.15 | 1 | 09/28/23 13:55 | 10/03/23 13:30 | 7440-09-7 | |
| Sodium | 8.5 | mg/L | 1.0 | 0.58 | 1 | 09/28/23 13:55 | 10/03/23 13:30 | 7440-23-5 | |
| Calcium | 33.6 | mg/L | 1.0 | 0.12 | 1 | 09/28/23 13:55 | 10/03/23 13:30 | 7440-70-2 | |
| Magnesium | 6.9 | mg/L | 0.050 | 0.012 | 1 | 09/28/23 13:55 | 10/03/23 13:30 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/19/23 11:10 | 09/26/23 18:31 | 7440-36-0 | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/19/23 11:10 | 09/26/23 18:31 | 7440-38-2 | |
| Barium | 0.023 | mg/L | 0.0050 | 0.00067 | 1 | 09/19/23 11:10 | 09/26/23 18:31 | 7440-39-3 | |
| Beryllium | ND | mg/L | 0.00050 | 0.000054 | 1 | 09/19/23 11:10 | 09/26/23 18:31 | 7440-41-7 | |
| Boron | 0.38 | mg/L | 0.040 | 0.0086 | 1 | 09/19/23 11:10 | 09/26/23 18:31 | 7440-42-8 | |
| Cadmium | ND | mg/L | 0.00050 | 0.00011 | 1 | 09/19/23 11:10 | 09/26/23 18:31 | 7440-43-9 | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/19/23 11:10 | 09/26/23 18:31 | 7440-47-3 | |
| Cobalt | 0.0024J | mg/L | 0.0050 | 0.00039 | 1 | 09/19/23 11:10 | 09/26/23 18:31 | 7440-48-4 | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/19/23 11:10 | 09/26/23 18:31 | 7439-92-1 | |
| Lithium | 0.017J | mg/L | 0.030 | 0.00073 | 1 | 09/19/23 11:10 | 09/26/23 18:31 | 7439-93-2 | |
| Molybdenum | 0.0022J | mg/L | 0.010 | 0.00074 | 1 | 09/19/23 11:10 | 09/26/23 18:31 | 7439-98-7 | |
| Selenium | ND | mg/L | 0.0050 | 0.0014 | 1 | 09/19/23 11:10 | 09/26/23 18:31 | 7782-49-2 | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/19/23 11:10 | 09/26/23 18:31 | 7440-28-0 | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470A Preparation Method: EPA 7470A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 09/26/23 07:00 | 09/26/23 13:11 | 7439-97-6 | |
| 2540C Total Dissolved Solids | | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Total Dissolved Solids | 212 | mg/L | 25.0 | 25.0 | 1 | | 09/20/23 20:09 | | |
| 2320B Alkalinity | | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | 46.6 | mg/L | 5.0 | 5.0 | 1 | | 09/19/23 16:28 | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/19/23 16:28 | | |
| Alkalinity, Total as CaCO3 | 46.6 | mg/L | 5.0 | 5.0 | 1 | | 09/19/23 16:28 | | |
| 4500S2D Sulfide Water | | | | | | | | | |
| Analytical Method: SM 4500-S2D-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/20/23 02:42 | 18496-25-8 | |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Chloride | 1.9 | mg/L | 1.0 | 0.60 | 1 | | 09/17/23 00:58 | 16887-00-6 | |
| Fluoride | 0.083J | mg/L | 0.10 | 0.050 | 1 | | 09/17/23 00:58 | 16984-48-8 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| Sample: MCD-DGWC-2 | | Lab ID: 92686947020 | | Collected: 09/13/23 10:48 | | Received: 09/14/23 14:22 | | Matrix: Water | |
|--------------------------------|---------|---|--------------|---------------------------|----|--------------------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | |
| Sulfate | 95.5 | mg/L | 1.0 | 0.50 | 1 | | 09/17/23 00:58 | 14808-79-8 | M1 |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

Sample: MCD-DGWC-4 **Lab ID: 92686947021** Collected: 09/13/23 14:54 Received: 09/14/23 14:22 Matrix: Water

| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual |
|---|-----------------|-------|---------|----------|----|----------------|----------------|------------|------|
| | | | Limit | MDL | DF | | | | |
| 6010D ATL ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Iron | ND | mg/L | 0.040 | 0.025 | 1 | 09/28/23 13:55 | 10/03/23 13:35 | 7439-89-6 | |
| Potassium | 9.6 | mg/L | 0.50 | 0.15 | 1 | 09/28/23 13:55 | 10/03/23 13:35 | 7440-09-7 | |
| Sodium | 51.9 | mg/L | 1.0 | 0.58 | 1 | 09/28/23 13:55 | 10/03/23 13:35 | 7440-23-5 | |
| Calcium | 279 | mg/L | 1.0 | 0.12 | 1 | 09/28/23 13:55 | 10/03/23 13:35 | 7440-70-2 | |
| Magnesium | 36.2 | mg/L | 0.050 | 0.012 | 1 | 09/28/23 13:55 | 10/03/23 13:35 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/19/23 11:10 | 09/26/23 18:44 | 7440-36-0 | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/19/23 11:10 | 09/26/23 18:44 | 7440-38-2 | |
| Barium | 0.034 | mg/L | 0.0050 | 0.00067 | 1 | 09/19/23 11:10 | 09/26/23 18:44 | 7440-39-3 | |
| Beryllium | 0.00040J | mg/L | 0.00050 | 0.000054 | 1 | 09/19/23 11:10 | 09/26/23 18:44 | 7440-41-7 | |
| Boron | 5.1 | mg/L | 0.040 | 0.0086 | 1 | 09/19/23 11:10 | 09/26/23 18:44 | 7440-42-8 | |
| Cadmium | 0.00099 | mg/L | 0.00050 | 0.00011 | 1 | 09/19/23 11:10 | 09/26/23 18:44 | 7440-43-9 | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/19/23 11:10 | 09/26/23 18:44 | 7440-47-3 | |
| Cobalt | 0.0018J | mg/L | 0.0050 | 0.00039 | 1 | 09/19/23 11:10 | 09/26/23 18:44 | 7440-48-4 | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/19/23 11:10 | 09/26/23 18:44 | 7439-92-1 | |
| Lithium | 0.0040J | mg/L | 0.030 | 0.00073 | 1 | 09/19/23 11:10 | 09/26/23 18:44 | 7439-93-2 | |
| Molybdenum | 0.0034J | mg/L | 0.010 | 0.00074 | 1 | 09/19/23 11:10 | 09/26/23 18:44 | 7439-98-7 | |
| Selenium | ND | mg/L | 0.0050 | 0.0014 | 1 | 09/19/23 11:10 | 09/26/23 18:44 | 7782-49-2 | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/19/23 11:10 | 09/26/23 18:44 | 7440-28-0 | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470A Preparation Method: EPA 7470A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 09/26/23 07:00 | 09/26/23 13:13 | 7439-97-6 | |
| 2540C Total Dissolved Solids | | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Total Dissolved Solids | 1520 | mg/L | 25.0 | 25.0 | 1 | | 09/20/23 20:09 | | |
| 2320B Alkalinity | | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | 111 | mg/L | 5.0 | 5.0 | 1 | | 09/19/23 16:35 | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/19/23 16:35 | | |
| Alkalinity, Total as CaCO3 | 111 | mg/L | 5.0 | 5.0 | 1 | | 09/19/23 16:35 | | |
| 4500S2D Sulfide Water | | | | | | | | | |
| Analytical Method: SM 4500-S2D-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/20/23 02:43 | 18496-25-8 | |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Chloride | 9.4 | mg/L | 1.0 | 0.60 | 1 | | 09/17/23 01:42 | 16887-00-6 | |
| Fluoride | ND | mg/L | 0.10 | 0.050 | 1 | | 09/17/23 01:42 | 16984-48-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| Sample: MCD-DGWC-4 | | Lab ID: 92686947021 | | Collected: 09/13/23 14:54 | | Received: 09/14/23 14:22 | | Matrix: Water | |
|--------------------------------|------------|---|--------------|---------------------------|----|--------------------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | |
| Sulfate | 852 | mg/L | 17.0 | 8.5 | 17 | | 09/17/23 11:02 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

Sample: MCD-DGWC-5 Lab ID: 92686947022 Collected: 09/13/23 10:38 Received: 09/14/23 14:22 Matrix: Water

| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual |
|--|---------|-------|---------|----------|----|----------------|----------------|------------|------|
| | | | Limit | MDL | DF | | | | |
| 6010D ATL ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Iron | ND | mg/L | 0.040 | 0.025 | 1 | 09/28/23 13:55 | 10/03/23 13:40 | 7439-89-6 | |
| Potassium | 4.8 | mg/L | 0.50 | 0.15 | 1 | 09/28/23 13:55 | 10/03/23 13:40 | 7440-09-7 | |
| Sodium | 23.9 | mg/L | 1.0 | 0.58 | 1 | 09/28/23 13:55 | 10/03/23 13:40 | 7440-23-5 | |
| Calcium | 152 | mg/L | 1.0 | 0.12 | 1 | 09/28/23 13:55 | 10/03/23 13:40 | 7440-70-2 | |
| Magnesium | 25.9 | mg/L | 0.050 | 0.012 | 1 | 09/28/23 13:55 | 10/03/23 13:40 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/19/23 11:10 | 09/26/23 18:48 | 7440-36-0 | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/19/23 11:10 | 09/26/23 18:48 | 7440-38-2 | |
| Barium | 0.016 | mg/L | 0.0050 | 0.00067 | 1 | 09/19/23 11:10 | 09/26/23 18:48 | 7440-39-3 | |
| Beryllium | 0.0084 | mg/L | 0.00050 | 0.000054 | 1 | 09/19/23 11:10 | 09/26/23 18:48 | 7440-41-7 | |
| Boron | 2.8 | mg/L | 0.040 | 0.0086 | 1 | 09/19/23 11:10 | 09/26/23 18:48 | 7440-42-8 | |
| Cadmium | 0.0013 | mg/L | 0.00050 | 0.00011 | 1 | 09/19/23 11:10 | 09/26/23 18:48 | 7440-43-9 | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/19/23 11:10 | 09/26/23 18:48 | 7440-47-3 | |
| Cobalt | 0.016 | mg/L | 0.0050 | 0.00039 | 1 | 09/19/23 11:10 | 09/26/23 18:48 | 7440-48-4 | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/19/23 11:10 | 09/26/23 18:48 | 7439-92-1 | |
| Lithium | 0.0081J | mg/L | 0.030 | 0.00073 | 1 | 09/19/23 11:10 | 09/26/23 18:48 | 7439-93-2 | |
| Molybdenum | ND | mg/L | 0.010 | 0.00074 | 1 | 09/19/23 11:10 | 09/26/23 18:48 | 7439-98-7 | |
| Selenium | 0.0020J | mg/L | 0.0050 | 0.0014 | 1 | 09/19/23 11:10 | 09/26/23 18:48 | 7782-49-2 | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/19/23 11:10 | 09/26/23 18:48 | 7440-28-0 | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470A Preparation Method: EPA 7470A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Mercury | 0.00028 | mg/L | 0.00020 | 0.00013 | 1 | 09/26/23 07:00 | 09/26/23 13:16 | 7439-97-6 | |
| 2540C Total Dissolved Solids | | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Total Dissolved Solids | 1020 | mg/L | 25.0 | 25.0 | 1 | | 09/20/23 20:09 | | |
| 2320B Alkalinity | | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | 5.5 | mg/L | 5.0 | 5.0 | 1 | | 09/19/23 16:47 | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/19/23 16:47 | | |
| Alkalinity, Total as CaCO3 | 5.5 | mg/L | 5.0 | 5.0 | 1 | | 09/19/23 16:47 | | |
| 4500S2D Sulfide Water | | | | | | | | | |
| Analytical Method: SM 4500-S2D-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/20/23 02:43 | 18496-25-8 | |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Chloride | 9.5 | mg/L | 1.0 | 0.60 | 1 | | 09/17/23 01:57 | 16887-00-6 | |
| Fluoride | 0.14 | mg/L | 0.10 | 0.050 | 1 | | 09/17/23 01:57 | 16984-48-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| Sample: MCD-DGWC-5 | | Lab ID: 92686947022 | | Collected: 09/13/23 10:38 | | Received: 09/14/23 14:22 | | Matrix: Water | |
|--------------------------------|---------|---|--------------|---------------------------|----|--------------------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
| 300.0 IC Anions 28 Days | | Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville | | | | | | | |
| Sulfate | 576 | mg/L | 12.0 | 6.0 | 12 | | 09/17/23 11:16 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

Sample: MCD-DGWC-17 **Lab ID: 92686947023** Collected: 09/13/23 12:20 Received: 09/14/23 14:22 Matrix: Water

| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual |
|---|-----------------|-------|---------|----------|----|----------------|----------------|------------|------|
| | | | Limit | MDL | DF | | | | |
| 6010D ATL ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Iron | 0.041 | mg/L | 0.040 | 0.025 | 1 | 09/28/23 13:55 | 10/03/23 13:45 | 7439-89-6 | |
| Potassium | 3.8 | mg/L | 0.50 | 0.15 | 1 | 09/28/23 13:55 | 10/03/23 13:45 | 7440-09-7 | |
| Sodium | 18.3 | mg/L | 1.0 | 0.58 | 1 | 09/28/23 13:55 | 10/03/23 13:45 | 7440-23-5 | |
| Calcium | 19.8 | mg/L | 1.0 | 0.12 | 1 | 09/28/23 13:55 | 10/03/23 13:45 | 7440-70-2 | |
| Magnesium | 55.1 | mg/L | 0.050 | 0.012 | 1 | 09/28/23 13:55 | 10/03/23 13:45 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/19/23 11:10 | 09/26/23 18:52 | 7440-36-0 | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/19/23 11:10 | 09/26/23 18:52 | 7440-38-2 | |
| Barium | 0.031 | mg/L | 0.0050 | 0.00067 | 1 | 09/19/23 11:10 | 09/26/23 18:52 | 7440-39-3 | |
| Beryllium | 0.00057 | mg/L | 0.00050 | 0.000054 | 1 | 09/19/23 11:10 | 09/26/23 18:52 | 7440-41-7 | |
| Boron | 1.0 | mg/L | 0.040 | 0.0086 | 1 | 09/19/23 11:10 | 09/26/23 18:52 | 7440-42-8 | |
| Cadmium | 0.00019J | mg/L | 0.00050 | 0.00011 | 1 | 09/19/23 11:10 | 09/26/23 18:52 | 7440-43-9 | |
| Chromium | 0.0027J | mg/L | 0.0050 | 0.0011 | 1 | 09/19/23 11:10 | 09/26/23 18:52 | 7440-47-3 | |
| Cobalt | 0.020 | mg/L | 0.0050 | 0.00039 | 1 | 09/19/23 11:10 | 09/26/23 18:52 | 7440-48-4 | |
| Lead | ND | mg/L | 0.0010 | 0.00012 | 1 | 09/19/23 11:10 | 09/26/23 18:52 | 7439-92-1 | |
| Lithium | ND | mg/L | 0.030 | 0.00073 | 1 | 09/19/23 11:10 | 09/26/23 18:52 | 7439-93-2 | |
| Molybdenum | ND | mg/L | 0.010 | 0.00074 | 1 | 09/19/23 11:10 | 09/26/23 18:52 | 7439-98-7 | |
| Selenium | 0.0065 | mg/L | 0.0050 | 0.0014 | 1 | 09/19/23 11:10 | 09/26/23 18:52 | 7782-49-2 | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/19/23 11:10 | 09/26/23 18:52 | 7440-28-0 | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470A Preparation Method: EPA 7470A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 09/26/23 07:00 | 09/26/23 13:24 | 7439-97-6 | |
| 2540C Total Dissolved Solids | | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Total Dissolved Solids | 480 | mg/L | 25.0 | 25.0 | 1 | | 09/20/23 20:09 | | |
| 2320B Alkalinity | | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/19/23 16:53 | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/19/23 16:53 | | |
| Alkalinity, Total as CaCO3 | ND | mg/L | 5.0 | 5.0 | 1 | | 09/19/23 16:53 | | |
| 4500S2D Sulfide Water | | | | | | | | | |
| Analytical Method: SM 4500-S2D-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/20/23 02:44 | 18496-25-8 | |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Chloride | 18.2 | mg/L | 1.0 | 0.60 | 1 | | 09/17/23 02:12 | 16887-00-6 | |
| Fluoride | 0.10 | mg/L | 0.10 | 0.050 | 1 | | 09/17/23 02:12 | 16984-48-8 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| Sample: MCD-DGWC-17 | | Lab ID: 92686947023 | | Collected: 09/13/23 12:20 | | Received: 09/14/23 14:22 | | Matrix: Water | |
|---|---------|---------------------|--------------|---------------------------|----|--------------------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfate | 255 | mg/L | 6.0 | 3.0 | 6 | | 09/17/23 11:31 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

Sample: MCD-DGWC-42 **Lab ID: 92686947024** Collected: 09/13/23 14:47 Received: 09/14/23 14:22 Matrix: Water

| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual |
|---|-----------------|-------|---------|----------|----|----------------|----------------|------------|------|
| | | | Limit | MDL | DF | | | | |
| 6010D ATL ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Iron | 0.098 | mg/L | 0.040 | 0.025 | 1 | 09/28/23 13:55 | 10/03/23 13:51 | 7439-89-6 | |
| Potassium | 5.2 | mg/L | 0.50 | 0.15 | 1 | 09/28/23 13:55 | 10/03/23 13:51 | 7440-09-7 | |
| Sodium | 71.3 | mg/L | 1.0 | 0.58 | 1 | 09/28/23 13:55 | 10/03/23 13:51 | 7440-23-5 | |
| Calcium | 33.6 | mg/L | 1.0 | 0.12 | 1 | 09/28/23 13:55 | 10/03/23 13:51 | 7440-70-2 | |
| Magnesium | 23.1 | mg/L | 0.050 | 0.012 | 1 | 09/28/23 13:55 | 10/03/23 13:51 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/19/23 11:10 | 09/26/23 18:56 | 7440-36-0 | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/19/23 11:10 | 09/26/23 18:56 | 7440-38-2 | |
| Barium | 0.015 | mg/L | 0.0050 | 0.00067 | 1 | 09/19/23 11:10 | 09/26/23 18:56 | 7440-39-3 | |
| Beryllium | 0.0024 | mg/L | 0.00050 | 0.000054 | 1 | 09/19/23 11:10 | 09/26/23 18:56 | 7440-41-7 | |
| Boron | 1.1 | mg/L | 0.040 | 0.0086 | 1 | 09/19/23 11:10 | 09/26/23 18:56 | 7440-42-8 | |
| Cadmium | 0.00068 | mg/L | 0.00050 | 0.00011 | 1 | 09/19/23 11:10 | 09/26/23 18:56 | 7440-43-9 | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/19/23 11:10 | 09/26/23 18:56 | 7440-47-3 | |
| Cobalt | 0.0080 | mg/L | 0.0050 | 0.00039 | 1 | 09/19/23 11:10 | 09/26/23 18:56 | 7440-48-4 | |
| Lead | 0.00018J | mg/L | 0.0010 | 0.00012 | 1 | 09/19/23 11:10 | 09/26/23 18:56 | 7439-92-1 | |
| Lithium | 0.0087J | mg/L | 0.030 | 0.00073 | 1 | 09/19/23 11:10 | 09/26/23 18:56 | 7439-93-2 | |
| Molybdenum | ND | mg/L | 0.010 | 0.00074 | 1 | 09/19/23 11:10 | 09/26/23 18:56 | 7439-98-7 | |
| Selenium | ND | mg/L | 0.0050 | 0.0014 | 1 | 09/19/23 11:10 | 09/26/23 18:56 | 7782-49-2 | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/19/23 11:10 | 09/26/23 18:56 | 7440-28-0 | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470A Preparation Method: EPA 7470A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 09/26/23 07:00 | 09/26/23 13:26 | 7439-97-6 | |
| 2540C Total Dissolved Solids | | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Total Dissolved Solids | 545 | mg/L | 25.0 | 25.0 | 1 | | 09/20/23 20:09 | | |
| 2320B Alkalinity | | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | 6.7 | mg/L | 5.0 | 5.0 | 1 | | 09/19/23 16:58 | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/19/23 16:58 | | |
| Alkalinity, Total as CaCO3 | 6.7 | mg/L | 5.0 | 5.0 | 1 | | 09/19/23 16:58 | | |
| 4500S2D Sulfide Water | | | | | | | | | |
| Analytical Method: SM 4500-S2D-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/20/23 02:46 | 18496-25-8 | |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Chloride | 18.4 | mg/L | 1.0 | 0.60 | 1 | | 09/17/23 02:26 | 16887-00-6 | |
| Fluoride | ND | mg/L | 0.10 | 0.050 | 1 | | 09/17/23 02:26 | 16984-48-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| Sample: MCD-DGWC-42 Lab ID: 92686947024 Collected: 09/13/23 14:47 Received: 09/14/23 14:22 Matrix: Water | | | | | | | | | |
|--|------------|-------|--------------|-----|----|----------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfate | 294 | mg/L | 6.0 | 3.0 | 6 | | 09/17/23 11:45 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

Sample: MCD-DGWC-48 **Lab ID: 92686947025** Collected: 09/13/23 10:20 Received: 09/14/23 14:22 Matrix: Water

| Parameters | Results | Units | Report | | | Prepared | Analyzed | CAS No. | Qual |
|---|----------|-------|---------|----------|----|----------------|----------------|------------|------|
| | | | Limit | MDL | DF | | | | |
| 6010D ATL ICP | | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Iron | 3.3 | mg/L | 0.040 | 0.025 | 1 | 09/28/23 13:55 | 10/03/23 13:56 | 7439-89-6 | |
| Potassium | 12.0 | mg/L | 0.50 | 0.15 | 1 | 09/28/23 13:55 | 10/03/23 13:56 | 7440-09-7 | |
| Sodium | 17.4 | mg/L | 1.0 | 0.58 | 1 | 09/28/23 13:55 | 10/03/23 13:56 | 7440-23-5 | |
| Calcium | 55.0 | mg/L | 1.0 | 0.12 | 1 | 09/28/23 13:55 | 10/03/23 13:56 | 7440-70-2 | |
| Magnesium | 12.6 | mg/L | 0.050 | 0.012 | 1 | 09/28/23 13:55 | 10/03/23 13:56 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Antimony | ND | mg/L | 0.0030 | 0.0012 | 1 | 09/19/23 11:10 | 09/26/23 19:00 | 7440-36-0 | |
| Arsenic | ND | mg/L | 0.0050 | 0.0037 | 1 | 09/19/23 11:10 | 09/26/23 19:00 | 7440-38-2 | |
| Barium | 0.015 | mg/L | 0.0050 | 0.00067 | 1 | 09/19/23 11:10 | 09/26/23 19:00 | 7440-39-3 | |
| Beryllium | 0.0065 | mg/L | 0.00050 | 0.000054 | 1 | 09/19/23 11:10 | 09/26/23 19:00 | 7440-41-7 | |
| Boron | 0.57 | mg/L | 0.040 | 0.0086 | 1 | 09/19/23 11:10 | 09/26/23 19:00 | 7440-42-8 | |
| Cadmium | 0.0026 | mg/L | 0.00050 | 0.00011 | 1 | 09/19/23 11:10 | 09/26/23 19:00 | 7440-43-9 | |
| Chromium | ND | mg/L | 0.0050 | 0.0011 | 1 | 09/19/23 11:10 | 09/26/23 19:00 | 7440-47-3 | |
| Cobalt | 0.31 | mg/L | 0.0050 | 0.00039 | 1 | 09/19/23 11:10 | 09/26/23 19:00 | 7440-48-4 | |
| Lead | 0.00082J | mg/L | 0.0010 | 0.00012 | 1 | 09/19/23 11:10 | 09/26/23 19:00 | 7439-92-1 | |
| Lithium | 0.096 | mg/L | 0.030 | 0.00073 | 1 | 09/19/23 11:10 | 09/26/23 19:00 | 7439-93-2 | |
| Molybdenum | ND | mg/L | 0.010 | 0.00074 | 1 | 09/19/23 11:10 | 09/26/23 19:00 | 7439-98-7 | |
| Selenium | ND | mg/L | 0.0050 | 0.0014 | 1 | 09/19/23 11:10 | 09/26/23 19:00 | 7782-49-2 | |
| Thallium | ND | mg/L | 0.0010 | 0.00018 | 1 | 09/19/23 11:10 | 09/26/23 19:00 | 7440-28-0 | |
| 7470 Mercury | | | | | | | | | |
| Analytical Method: EPA 7470A Preparation Method: EPA 7470A | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Mercury | ND | mg/L | 0.00020 | 0.00013 | 1 | 09/26/23 07:00 | 09/26/23 13:29 | 7439-97-6 | |
| 2540C Total Dissolved Solids | | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | | |
| Total Dissolved Solids | 473 | mg/L | 25.0 | 25.0 | 1 | | 09/20/23 20:09 | | |
| 2320B Alkalinity | | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/19/23 17:23 | | |
| Alkalinity,Carbonate (CaCO3) | ND | mg/L | 5.0 | 5.0 | 1 | | 09/19/23 17:23 | | |
| Alkalinity, Total as CaCO3 | ND | mg/L | 5.0 | 5.0 | 1 | | 09/19/23 17:23 | | |
| 4500S2D Sulfide Water | | | | | | | | | |
| Analytical Method: SM 4500-S2D-2011 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfide | ND | mg/L | 0.10 | 0.022 | 1 | | 09/20/23 02:46 | 18496-25-8 | |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Chloride | 6.5 | mg/L | 1.0 | 0.60 | 1 | | 09/17/23 02:41 | 16887-00-6 | |
| Fluoride | 0.51 | mg/L | 0.10 | 0.050 | 1 | | 09/17/23 02:41 | 16984-48-8 | |

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ANALYTICAL RESULTS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| Sample: MCD-DGWC-48 | | Lab ID: 92686947025 | | Collected: 09/13/23 10:20 | | Received: 09/14/23 14:22 | | Matrix: Water | |
|---|---------|---------------------|--------------|---------------------------|----|--------------------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
| 300.0 IC Anions 28 Days | | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | | |
| Sulfate | 268 | mg/L | 6.0 | 3.0 | 6 | | 09/17/23 12:30 | 14808-79-8 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| | | | |
|------------------|-----------|-----------------------|--|
| QC Batch: | 798973 | Analysis Method: | EPA 6010D |
| QC Batch Method: | EPA 3010A | Analysis Description: | 6010D ATL |
| | | Laboratory: | Pace Analytical Services - Peachtree Corners, GA |

Associated Lab Samples: 92686947001, 92686947002, 92686947003, 92686947004, 92686947005, 92686947006, 92686947008

METHOD BLANK: 4138223 Matrix: Water
 Associated Lab Samples: 92686947001, 92686947002, 92686947003, 92686947004, 92686947005, 92686947006, 92686947008

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|-------|----------------|------------|
| Calcium | mg/L | ND | 1.0 | 0.12 | 09/12/23 17:28 | |
| Iron | mg/L | ND | 0.040 | 0.025 | 09/12/23 17:28 | |
| Magnesium | mg/L | ND | 0.050 | 0.012 | 09/12/23 17:28 | |
| Potassium | mg/L | ND | 0.50 | 0.15 | 09/12/23 17:28 | |
| Sodium | mg/L | ND | 1.0 | 0.58 | 09/12/23 17:28 | |

LABORATORY CONTROL SAMPLE: 4138224

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Calcium | mg/L | 1 | 1.0J | 100 | 80-120 | |
| Iron | mg/L | 1 | 1.0 | 101 | 80-120 | |
| Magnesium | mg/L | 1 | 1.0 | 101 | 80-120 | |
| Potassium | mg/L | 1 | 1.0 | 103 | 80-120 | |
| Sodium | mg/L | 1 | 0.96J | 96 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4138225 4138226

| Parameter | Units | MS | | MSD | | MS | | MSD | | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|-------------|-------------|-------------|--------|--------|-------|-------|--------|--------------|-----|---------|------|
| | | 92686947005 | Spike Conc. | Spike Conc. | Result | Result | % Rec | % Rec | | | | | |
| Calcium | mg/L | 32.7 | 1 | 1 | 34.5 | 33.5 | 175 | 73 | 75-125 | 3 | 20 | M1 | |
| Iron | mg/L | ND | 1 | 1 | 1.1 | 1.0 | 105 | 102 | 75-125 | 3 | 20 | | |
| Magnesium | mg/L | 7.3 | 1 | 1 | 8.5 | 8.2 | 120 | 89 | 75-125 | 4 | 20 | | |
| Potassium | mg/L | 4.7 | 1 | 1 | 5.9 | 5.6 | 116 | 93 | 75-125 | 4 | 20 | | |
| Sodium | mg/L | 17.5 | 1 | 1 | 19.0 | 18.4 | 147 | 91 | 75-125 | 3 | 20 | M1 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| | | | |
|-------------------------|---|-----------------------|--|
| QC Batch: | 799401 | Analysis Method: | EPA 6010D |
| QC Batch Method: | EPA 3010A | Analysis Description: | 6010D ATL |
| | | Laboratory: | Pace Analytical Services - Peachtree Corners, GA |
| Associated Lab Samples: | 92686947009, 92686947010, 92686947011, 92686947012, 92686947013, 92686947014, 92686947015, 92686947016, 92686947017 | | |

| | | | |
|-------------------------|---|---------|-------|
| METHOD BLANK: | 4140560 | Matrix: | Water |
| Associated Lab Samples: | 92686947009, 92686947010, 92686947011, 92686947012, 92686947013, 92686947014, 92686947015, 92686947016, 92686947017 | | |

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|-------|----------------|------------|
| Calcium | mg/L | ND | 1.0 | 0.12 | 09/17/23 11:47 | |
| Iron | mg/L | ND | 0.040 | 0.025 | 09/17/23 11:47 | |
| Magnesium | mg/L | ND | 0.050 | 0.012 | 09/17/23 11:47 | |
| Potassium | mg/L | ND | 0.50 | 0.15 | 09/17/23 11:47 | |
| Sodium | mg/L | ND | 1.0 | 0.58 | 09/17/23 11:47 | |

| LABORATORY CONTROL SAMPLE: 4140561 | | | | | | |
|------------------------------------|-------|-------------|------------|-----------|--------------|------------|
| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
| Calcium | mg/L | 1 | 1.0 | 102 | 80-120 | |
| Iron | mg/L | 1 | 1.0 | 105 | 80-120 | |
| Magnesium | mg/L | 1 | 1.1 | 106 | 80-120 | |
| Potassium | mg/L | 1 | 0.94 | 94 | 80-120 | |
| Sodium | mg/L | 1 | 0.99J | 99 | 80-120 | |

| MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4140562 4140563 | | | | | | | | | | | | |
|--|-------|-------------|-------------|-------------|--------|--------|-------|-------|--------|--------------|---------|------|
| Parameter | Units | MS | | MSD | | MS | | MSD | | % Rec Limits | Max RPD | Qual |
| | | 92686947010 | Spike Conc. | Spike Conc. | Result | Result | % Rec | % Rec | | | | |
| Calcium | mg/L | 30.8 | 1 | 1 | 32.4 | 31.7 | 155 | 93 | 75-125 | 2 | 20 | M1 |
| Iron | mg/L | 26.4 | 1 | 1 | 27.9 | 27.5 | 149 | 104 | 75-125 | 2 | 20 | M1 |
| Magnesium | mg/L | 18.1 | 1 | 1 | 19.3 | 19.0 | 125 | 92 | 75-125 | 2 | 20 | |
| Potassium | mg/L | 8.5 | 1 | 1 | 9.6 | 9.5 | 115 | 98 | 75-125 | 2 | 20 | |
| Sodium | mg/L | 8.0 | 1 | 1 | 9.1 | 8.9 | 106 | 94 | 75-125 | 1 | 20 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| | | | |
|------------------|-----------|-----------------------|--|
| QC Batch: | 802397 | Analysis Method: | EPA 6010D |
| QC Batch Method: | EPA 3010A | Analysis Description: | 6010D ATL |
| | | Laboratory: | Pace Analytical Services - Peachtree Corners, GA |

Associated Lab Samples: 92686947007

METHOD BLANK: 4156377 Matrix: Water

Associated Lab Samples: 92686947007

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|-------|----------------|------------|
| Calcium | mg/L | ND | 1.0 | 0.12 | 10/03/23 14:14 | |
| Iron | mg/L | ND | 0.040 | 0.025 | 10/03/23 14:14 | |
| Magnesium | mg/L | ND | 0.050 | 0.012 | 10/03/23 14:14 | |
| Potassium | mg/L | ND | 0.50 | 0.15 | 10/05/23 21:00 | |
| Sodium | mg/L | ND | 1.0 | 0.58 | 10/05/23 21:00 | |

LABORATORY CONTROL SAMPLE: 4156378

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Calcium | mg/L | 1 | 1.1 | 106 | 80-120 | |
| Iron | mg/L | 1 | 1.0 | 105 | 80-120 | |
| Magnesium | mg/L | 1 | 1.0 | 104 | 80-120 | |
| Potassium | mg/L | 1 | 1.0 | 103 | 80-120 | |
| Sodium | mg/L | 1 | 0.94J | 94 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4156379 4156380

| Parameter | Units | MS | | MSD | | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|-------------|-------------|-------------|--------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| | | 92689253001 | Spike Conc. | Spike Conc. | Result | | | | | | | | |
| Calcium | mg/L | 17600 ug/L | 1 | 1 | 19.5 | 19.8 | 186 | 219 | 75-125 | 2 | 20 | M1 | |
| Iron | mg/L | 13100 ug/L | 1 | 1 | 17.0 | 16.7 | 383 | 361 | 75-125 | 1 | 20 | M1 | |
| Magnesium | mg/L | 2410 ug/L | 1 | 1 | 3.9 | 3.9 | 146 | 147 | 75-125 | 0 | 20 | M1 | |
| Potassium | mg/L | 1860 ug/L | 1 | 1 | 3.2 | 3.1 | 131 | 121 | 75-125 | 3 | 20 | M1 | |
| Sodium | mg/L | 1210 ug/L | 1 | 1 | 2.3 | 2.3 | 111 | 107 | 75-125 | 2 | 20 | | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

QC Batch: 802701

Analysis Method: EPA 6010D

QC Batch Method: EPA 3010A

Analysis Description: 6010D ATL

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92686947018, 92686947019, 92686947020, 92686947021, 92686947022, 92686947023, 92686947024, 92686947025

METHOD BLANK: 4157628

Matrix: Water

Associated Lab Samples: 92686947018, 92686947019, 92686947020, 92686947021, 92686947022, 92686947023, 92686947024, 92686947025

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|-------|----------------|------------|
| Calcium | mg/L | ND | 1.0 | 0.12 | 10/02/23 21:19 | |
| Iron | mg/L | ND | 0.040 | 0.025 | 10/02/23 21:19 | |
| Magnesium | mg/L | ND | 0.050 | 0.012 | 10/02/23 21:19 | |
| Potassium | mg/L | ND | 0.50 | 0.15 | 10/02/23 21:19 | |
| Sodium | mg/L | ND | 1.0 | 0.58 | 10/02/23 21:19 | |

LABORATORY CONTROL SAMPLE: 4157629

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Calcium | mg/L | 1 | 1.1 | 106 | 80-120 | |
| Iron | mg/L | 1 | 1.0 | 101 | 80-120 | |
| Magnesium | mg/L | 1 | 1.0 | 101 | 80-120 | |
| Potassium | mg/L | 1 | 1.1 | 108 | 80-120 | |
| Sodium | mg/L | 1 | 1.1 | 112 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4158650 4158651

| Parameter | Units | MS | | MSD | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|--------------------|-------------|-------------|--------|----------|-----------|--------------|--------|---------|-------|
| | | 92686679021 Result | Spike Conc. | Spike Conc. | Result | | | | | | |
| Calcium | mg/L | 102 | 1 | 1 | 101 | 104 | -23 | 236 | 75-125 | 3 | 20 M1 |
| Iron | mg/L | 0.29 | 1 | 1 | 1.2 | 1.3 | 95 | 98 | 75-125 | 3 | 20 |
| Magnesium | mg/L | 34.7 | 1 | 1 | 35.3 | 36.0 | 51 | 129 | 75-125 | 2 | 20 M1 |
| Potassium | mg/L | 10.9 | 1 | 1 | 11.7 | 12.2 | 88 | 131 | 75-125 | 4 | 20 M1 |
| Sodium | mg/L | 26.4 | 1 | 1 | 27.2 | 27.5 | 79 | 115 | 75-125 | 1 | 20 |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

QC Batch: 798931 Analysis Method: EPA 6020B
 QC Batch Method: EPA 3005A Analysis Description: 6020 MET
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92686947001, 92686947002, 92686947003, 92686947004, 92686947005, 92686947006, 92686947007, 92686947008

METHOD BLANK: 4137886 Matrix: Water
 Associated Lab Samples: 92686947001, 92686947002, 92686947003, 92686947004, 92686947005, 92686947006, 92686947007, 92686947008

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|------------|-------|--------------|-----------------|----------|----------------|------------|
| Antimony | mg/L | 0.0020J | 0.0030 | 0.0012 | 09/15/23 17:30 | |
| Arsenic | mg/L | ND | 0.0050 | 0.0037 | 09/15/23 17:30 | |
| Barium | mg/L | ND | 0.0050 | 0.00067 | 09/15/23 17:30 | |
| Beryllium | mg/L | ND | 0.00050 | 0.000054 | 09/15/23 17:30 | |
| Boron | mg/L | ND | 0.040 | 0.0086 | 09/15/23 17:30 | |
| Cadmium | mg/L | ND | 0.00050 | 0.00011 | 09/15/23 17:30 | |
| Chromium | mg/L | 0.0013J | 0.0050 | 0.0011 | 09/15/23 17:30 | |
| Cobalt | mg/L | ND | 0.0050 | 0.00039 | 09/15/23 17:30 | |
| Lead | mg/L | ND | 0.0010 | 0.00012 | 09/15/23 17:30 | |
| Lithium | mg/L | ND | 0.030 | 0.00073 | 09/15/23 17:30 | |
| Molybdenum | mg/L | ND | 0.010 | 0.00074 | 09/15/23 17:30 | |
| Selenium | mg/L | ND | 0.0050 | 0.0014 | 09/15/23 17:30 | |
| Thallium | mg/L | ND | 0.0010 | 0.00018 | 09/15/23 17:30 | |

LABORATORY CONTROL SAMPLE: 4137887

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------|-------|-------------|------------|-----------|--------------|------------|
| Antimony | mg/L | 0.1 | 0.11 | 105 | 80-120 | |
| Arsenic | mg/L | 0.1 | 0.097 | 97 | 80-120 | |
| Barium | mg/L | 0.1 | 0.10 | 101 | 80-120 | |
| Beryllium | mg/L | 0.1 | 0.094 | 94 | 80-120 | |
| Boron | mg/L | 1 | 0.95 | 95 | 80-120 | |
| Cadmium | mg/L | 0.1 | 0.098 | 98 | 80-120 | |
| Chromium | mg/L | 0.1 | 0.10 | 101 | 80-120 | |
| Cobalt | mg/L | 0.1 | 0.10 | 102 | 80-120 | |
| Lead | mg/L | 0.1 | 0.095 | 95 | 80-120 | |
| Lithium | mg/L | 0.1 | 0.095 | 95 | 80-120 | |
| Molybdenum | mg/L | 0.1 | 0.10 | 101 | 80-120 | |
| Selenium | mg/L | 0.1 | 0.097 | 97 | 80-120 | |
| Thallium | mg/L | 0.1 | 0.091 | 91 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4137888 4137889

| Parameter | Units | 92686947002 Result | MS | | MSD | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|--------------------|-------------|-----------|------------|------|----------|-----------|--------------|-----|---------|------|
| | | | Spike Conc. | MS Result | MSD Result | | | | | | | |
| Antimony | mg/L | ND | 0.1 | 0.1 | 0.11 | 0.10 | 105 | 105 | 75-125 | 1 | 20 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4137888 4137889 | | | | | | | | | | | | |
|--|-------|-------------|-------|-------------|-------------|--------|--------|-------|--------|--------------|---------|------|
| Parameter | Units | 92686947002 | | MS | MSD | MS | | MSD | | % Rec Limits | Max RPD | Qual |
| | | Result | Conc. | Spike Conc. | Spike Conc. | Result | Result | % Rec | % Rec | | | |
| Arsenic | mg/L | ND | 0.1 | 0.1 | 0.099 | 0.097 | 99 | 97 | 75-125 | 2 | 20 | |
| Barium | mg/L | 0.034 | 0.1 | 0.1 | 0.14 | 0.15 | 105 | 112 | 75-125 | 5 | 20 | |
| Beryllium | mg/L | 0.00020J | 0.1 | 0.1 | 0.093 | 0.093 | 93 | 93 | 75-125 | 0 | 20 | |
| Boron | mg/L | 1.7 | 1 | 1 | 2.6 | 2.6 | 93 | 96 | 75-125 | 1 | 20 | |
| Cadmium | mg/L | 0.00014J | 0.1 | 0.1 | 0.099 | 0.098 | 99 | 98 | 75-125 | 1 | 20 | |
| Chromium | mg/L | ND | 0.1 | 0.1 | 0.097 | 0.094 | 97 | 94 | 75-125 | 3 | 20 | |
| Cobalt | mg/L | 0.0011J | 0.1 | 0.1 | 0.099 | 0.094 | 98 | 93 | 75-125 | 5 | 20 | |
| Lead | mg/L | ND | 0.1 | 0.1 | 0.091 | 0.092 | 91 | 92 | 75-125 | 0 | 20 | |
| Lithium | mg/L | 0.0017J | 0.1 | 0.1 | 0.094 | 0.096 | 93 | 94 | 75-125 | 1 | 20 | |
| Molybdenum | mg/L | ND | 0.1 | 0.1 | 0.099 | 0.097 | 99 | 97 | 75-125 | 2 | 20 | |
| Selenium | mg/L | ND | 0.1 | 0.1 | 0.099 | 0.098 | 98 | 98 | 75-125 | 0 | 20 | |
| Thallium | mg/L | ND | 0.1 | 0.1 | 0.089 | 0.089 | 89 | 89 | 75-125 | 0 | 20 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

QC Batch: 799426 Analysis Method: EPA 6020B
 QC Batch Method: EPA 3005A Analysis Description: 6020 MET
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92686947009, 92686947010, 92686947011, 92686947012, 92686947013, 92686947014, 92686947015, 92686947016, 92686947017

METHOD BLANK: 4140688 Matrix: Water
 Associated Lab Samples: 92686947009, 92686947010, 92686947011, 92686947012, 92686947013, 92686947014, 92686947015, 92686947016, 92686947017

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|------------|-------|--------------|-----------------|----------|----------------|------------|
| Antimony | mg/L | 0.0020J | 0.0030 | 0.0012 | 09/20/23 13:49 | |
| Arsenic | mg/L | ND | 0.0050 | 0.0037 | 09/20/23 13:49 | |
| Barium | mg/L | ND | 0.0050 | 0.00067 | 09/20/23 13:49 | |
| Beryllium | mg/L | ND | 0.00050 | 0.000054 | 09/20/23 13:49 | |
| Boron | mg/L | ND | 0.040 | 0.0086 | 09/20/23 13:49 | |
| Cadmium | mg/L | ND | 0.00050 | 0.00011 | 09/20/23 13:49 | |
| Chromium | mg/L | ND | 0.0050 | 0.0011 | 09/20/23 13:49 | |
| Cobalt | mg/L | ND | 0.0050 | 0.00039 | 09/20/23 13:49 | |
| Lead | mg/L | ND | 0.0010 | 0.00012 | 09/20/23 13:49 | |
| Lithium | mg/L | ND | 0.030 | 0.00073 | 09/20/23 13:49 | |
| Molybdenum | mg/L | ND | 0.010 | 0.00074 | 09/20/23 13:49 | |
| Selenium | mg/L | ND | 0.0050 | 0.0014 | 09/20/23 13:49 | |
| Thallium | mg/L | ND | 0.0010 | 0.00018 | 09/20/23 13:49 | |

LABORATORY CONTROL SAMPLE: 4140689

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------|-------|-------------|------------|-----------|--------------|------------|
| Antimony | mg/L | 0.1 | 0.11 | 106 | 80-120 | |
| Arsenic | mg/L | 0.1 | 0.10 | 101 | 80-120 | |
| Barium | mg/L | 0.1 | 0.094 | 94 | 80-120 | |
| Beryllium | mg/L | 0.1 | 0.10 | 101 | 80-120 | |
| Boron | mg/L | 1 | 1.0 | 100 | 80-120 | |
| Cadmium | mg/L | 0.1 | 0.10 | 101 | 80-120 | |
| Chromium | mg/L | 0.1 | 0.10 | 101 | 80-120 | |
| Cobalt | mg/L | 0.1 | 0.10 | 102 | 80-120 | |
| Lead | mg/L | 0.1 | 0.10 | 104 | 80-120 | |
| Lithium | mg/L | 0.1 | 0.10 | 102 | 80-120 | |
| Molybdenum | mg/L | 0.1 | 0.10 | 104 | 80-120 | |
| Selenium | mg/L | 0.1 | 0.10 | 101 | 80-120 | |
| Thallium | mg/L | 0.1 | 0.098 | 98 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4140690 4140691

| Parameter | Units | 92686947009 Result | MS | | MSD | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|--------------------|-------------|-----------|------------|------|----------|-----------|--------------|-----|---------|------|
| | | | Spike Conc. | MS Result | MSD Result | | | | | | | |
| Antimony | mg/L | 0.0018J | 0.1 | 0.1 | 0.10 | 0.10 | 101 | 101 | 75-125 | 0 | 20 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| | | 4140690 | | | 4140691 | | | | | | | |
|------------|-------|-------------|-------------|-------------|---------|--------|-------|-------|--------|-----|-------|--|
| Parameter | Units | 92686947009 | MS | MSD | MS | MSD | MS | MSD | % Rec | Max | Qual | |
| | | Result | Spike Conc. | Spike Conc. | Result | Result | % Rec | % Rec | Limits | RPD | | |
| Arsenic | mg/L | 0.029 | 0.1 | 0.1 | 0.11 | 0.11 | 83 | 84 | 75-125 | 0 | 20 | |
| Barium | mg/L | 0.014 | 0.1 | 0.1 | 0.12 | 0.11 | 101 | 100 | 75-125 | 2 | 20 | |
| Beryllium | mg/L | 0.0067 | 0.1 | 0.1 | 0.074 | 0.073 | 67 | 67 | 75-125 | 0 | 20 M1 | |
| Boron | mg/L | 2.5 | 1 | 1 | 3.0 | 3.1 | 55 | 59 | 75-125 | 1 | 20 M1 | |
| Cadmium | mg/L | 0.0038 | 0.1 | 0.1 | 0.098 | 0.098 | 94 | 95 | 75-125 | 1 | 20 | |
| Chromium | mg/L | 0.0026J | 0.1 | 0.1 | 0.081 | 0.081 | 79 | 78 | 75-125 | 0 | 20 | |
| Cobalt | mg/L | 1.4 | 0.1 | 0.1 | 1.5 | 1.5 | 51 | 71 | 75-125 | 1 | 20 | |
| Lead | mg/L | ND | 0.1 | 0.1 | 0.096J | 0.093J | 94 | 91 | 75-125 | | 20 | |
| Lithium | mg/L | 0.011J | 0.1 | 0.1 | 0.088 | 0.088 | 77 | 77 | 75-125 | 1 | 20 | |
| Molybdenum | mg/L | ND | 0.1 | 0.1 | 0.11 | 0.11 | 105 | 107 | 75-125 | 1 | 20 | |
| Selenium | mg/L | 0.14 | 0.1 | 0.1 | 0.22 | 0.22 | 80 | 82 | 75-125 | 1 | 20 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| | | | |
|------------------|-----------|-----------------------|--|
| QC Batch: | 799667 | Analysis Method: | EPA 6020B |
| QC Batch Method: | EPA 3005A | Analysis Description: | 6020 MET |
| | | Laboratory: | Pace Analytical Services - Peachtree Corners, GA |

Associated Lab Samples: 92686947018, 92686947019

METHOD BLANK: 4141846 Matrix: Water

Associated Lab Samples: 92686947018, 92686947019

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|------------|-------|--------------|-----------------|----------|----------------|------------|
| Antimony | mg/L | ND | 0.0030 | 0.0012 | 09/25/23 16:20 | |
| Arsenic | mg/L | ND | 0.0050 | 0.0037 | 09/25/23 16:20 | |
| Barium | mg/L | ND | 0.0050 | 0.00067 | 09/25/23 16:20 | |
| Beryllium | mg/L | ND | 0.00050 | 0.000054 | 09/25/23 16:20 | |
| Boron | mg/L | ND | 0.040 | 0.0086 | 09/25/23 16:20 | |
| Cadmium | mg/L | ND | 0.00050 | 0.00011 | 09/25/23 16:20 | |
| Chromium | mg/L | ND | 0.0050 | 0.0011 | 09/25/23 16:20 | |
| Cobalt | mg/L | ND | 0.0050 | 0.00039 | 09/25/23 16:20 | |
| Lead | mg/L | ND | 0.0010 | 0.00012 | 09/25/23 16:20 | |
| Lithium | mg/L | ND | 0.030 | 0.00073 | 09/25/23 16:20 | |
| Molybdenum | mg/L | ND | 0.010 | 0.00074 | 09/25/23 16:20 | |
| Selenium | mg/L | ND | 0.0050 | 0.0014 | 09/25/23 16:20 | |
| Thallium | mg/L | ND | 0.0010 | 0.00018 | 09/25/23 16:20 | |

LABORATORY CONTROL SAMPLE: 4141847

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------|-------|-------------|------------|-----------|--------------|------------|
| Antimony | mg/L | 0.1 | 0.11 | 109 | 80-120 | |
| Arsenic | mg/L | 0.1 | 0.10 | 101 | 80-120 | |
| Barium | mg/L | 0.1 | 0.094 | 94 | 80-120 | |
| Beryllium | mg/L | 0.1 | 0.11 | 105 | 80-120 | |
| Boron | mg/L | 1 | 0.97 | 97 | 80-120 | |
| Cadmium | mg/L | 0.1 | 0.10 | 101 | 80-120 | |
| Chromium | mg/L | 0.1 | 0.098 | 98 | 80-120 | |
| Cobalt | mg/L | 0.1 | 0.10 | 100 | 80-120 | |
| Lead | mg/L | 0.1 | 0.11 | 106 | 80-120 | |
| Lithium | mg/L | 0.1 | 0.099 | 99 | 80-120 | |
| Molybdenum | mg/L | 0.1 | 0.11 | 106 | 80-120 | |
| Selenium | mg/L | 0.1 | 0.10 | 100 | 80-120 | |
| Thallium | mg/L | 0.1 | 0.095 | 95 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4141848 4141849

| Parameter | Units | MS | | MSD | | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|-------------|--------|-------------|-------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| | | 92686679019 | Result | Spike Conc. | Spike Conc. | | | | | | | | |
| Antimony | mg/L | ND | 0.1 | 0.1 | 0.1 | 0.11 | 0.11 | 109 | 107 | 75-125 | 1 | 20 | |
| Arsenic | mg/L | ND | 0.1 | 0.1 | 0.1 | 0.10 | 0.098 | 99 | 96 | 75-125 | 3 | 20 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4141848 4141849 | | | | | | | | | | | | | |
|--|-------|-------------|-------|-------------|-------------|--------|--------|-------|--------|--------------|-----|---------|------|
| Parameter | Units | 92686679019 | | MS | MSD | MS | | MSD | | % Rec Limits | RPD | Max RPD | Qual |
| | | Result | Conc. | Spike Conc. | Spike Conc. | Result | Result | % Rec | % Rec | | | | |
| Barium | mg/L | 0.12 | 0.1 | 0.1 | 0.22 | 0.21 | 101 | 92 | 75-125 | 4 | 20 | | |
| Beryllium | mg/L | ND | 0.1 | 0.1 | 0.086 | 0.085 | 86 | 85 | 75-125 | 0 | 20 | | |
| Boron | mg/L | 0.26 | 1 | 1 | 1.1 | 1.1 | 84 | 82 | 75-125 | 1 | 20 | | |
| Cadmium | mg/L | ND | 0.1 | 0.1 | 0.098 | 0.098 | 98 | 98 | 75-125 | 0 | 20 | | |
| Chromium | mg/L | ND | 0.1 | 0.1 | 0.096 | 0.096 | 96 | 96 | 75-125 | 0 | 20 | | |
| Cobalt | mg/L | ND | 0.1 | 0.1 | 0.096 | 0.096 | 96 | 96 | 75-125 | 0 | 20 | | |
| Lead | mg/L | ND | 0.1 | 0.1 | 0.10 | 0.10 | 103 | 101 | 75-125 | 2 | 20 | | |
| Lithium | mg/L | ND | 0.1 | 0.1 | 0.089 | 0.090 | 89 | 89 | 75-125 | 0 | 20 | | |
| Molybdenum | mg/L | ND | 0.1 | 0.1 | 0.11 | 0.11 | 107 | 106 | 75-125 | 1 | 20 | | |
| Selenium | mg/L | ND | 0.1 | 0.1 | 0.098 | 0.097 | 98 | 97 | 75-125 | 2 | 20 | | |
| Thallium | mg/L | ND | 0.1 | 0.1 | 0.11 | 0.10 | 106 | 104 | 75-125 | 1 | 20 | | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| | | | |
|------------------|-----------|-----------------------|--|
| QC Batch: | 800427 | Analysis Method: | EPA 6020B |
| QC Batch Method: | EPA 3005A | Analysis Description: | 6020 MET |
| | | Laboratory: | Pace Analytical Services - Peachtree Corners, GA |

Associated Lab Samples: 92686947020, 92686947021, 92686947022, 92686947023, 92686947024, 92686947025

METHOD BLANK: 4145841 Matrix: Water

Associated Lab Samples: 92686947020, 92686947021, 92686947022, 92686947023, 92686947024, 92686947025

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|------------|-------|--------------|-----------------|----------|----------------|------------|
| Antimony | mg/L | ND | 0.0030 | 0.0012 | 09/26/23 17:54 | |
| Arsenic | mg/L | ND | 0.0050 | 0.0037 | 09/26/23 17:54 | |
| Barium | mg/L | ND | 0.0050 | 0.00067 | 09/26/23 17:54 | |
| Beryllium | mg/L | ND | 0.00050 | 0.000054 | 09/26/23 17:54 | |
| Boron | mg/L | ND | 0.040 | 0.0086 | 09/26/23 17:54 | |
| Cadmium | mg/L | ND | 0.00050 | 0.00011 | 09/26/23 17:54 | |
| Chromium | mg/L | ND | 0.0050 | 0.0011 | 09/26/23 17:54 | |
| Cobalt | mg/L | ND | 0.0050 | 0.00039 | 09/26/23 17:54 | |
| Lead | mg/L | ND | 0.0010 | 0.00012 | 09/26/23 17:54 | |
| Lithium | mg/L | ND | 0.030 | 0.00073 | 09/26/23 17:54 | |
| Molybdenum | mg/L | ND | 0.010 | 0.00074 | 09/26/23 17:54 | |
| Selenium | mg/L | ND | 0.0050 | 0.0014 | 09/26/23 17:54 | |
| Thallium | mg/L | ND | 0.0010 | 0.00018 | 09/26/23 17:54 | |

LABORATORY CONTROL SAMPLE: 4145842

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------|-------|-------------|------------|-----------|--------------|------------|
| Antimony | mg/L | 0.1 | 0.12 | 116 | 80-120 | |
| Arsenic | mg/L | 0.1 | 0.11 | 105 | 80-120 | |
| Barium | mg/L | 0.1 | 0.11 | 109 | 80-120 | |
| Beryllium | mg/L | 0.1 | 0.11 | 106 | 80-120 | |
| Boron | mg/L | 1 | 1.1 | 112 | 80-120 | |
| Cadmium | mg/L | 0.1 | 0.11 | 108 | 80-120 | |
| Chromium | mg/L | 0.1 | 0.11 | 108 | 80-120 | |
| Cobalt | mg/L | 0.1 | 0.11 | 107 | 80-120 | |
| Lead | mg/L | 0.1 | 0.11 | 108 | 80-120 | |
| Lithium | mg/L | 0.1 | 0.11 | 109 | 80-120 | |
| Molybdenum | mg/L | 0.1 | 0.11 | 109 | 80-120 | |
| Selenium | mg/L | 0.1 | 0.11 | 105 | 80-120 | |
| Thallium | mg/L | 0.1 | 0.11 | 106 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4145843 4145844

| Parameter | Units | 92686679024 Result | MS | | MSD | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|--------------------|-------------|-----------|-------------|------------|----------|-----------|--------------|-----|---------|------|
| | | | Spike Conc. | MS Result | Spike Conc. | MSD Result | | | | | | |
| Antimony | mg/L | ND | 0.1 | 0.1 | 0.12 | 0.12 | 122 | 118 | 75-125 | 4 | 20 | |
| Arsenic | mg/L | ND | 0.1 | 0.1 | 0.11 | 0.11 | 112 | 110 | 75-125 | 1 | 20 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| Parameter | Units | 4145843 | | 4145844 | | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|------------|-------|-----------------------|----------------------|-----------------------|--------------|--------------|---------------|-------------|--------------|-----------------|-----|------------|------|
| | | 92686679024 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | | | | | | | | |
| Barium | mg/L | 0.020 | 0.1 | 0.1 | 0.14 | 0.13 | 118 | 112 | 75-125 | 4 | 20 | | |
| Beryllium | mg/L | 0.0016 | 0.1 | 0.1 | 0.10 | 0.097 | 98 | 95 | 75-125 | 3 | 20 | | |
| Boron | mg/L | 0.26 | 1 | 1 | 1.3 | 1.3 | 103 | 101 | 75-125 | 2 | 20 | | |
| Cadmium | mg/L | ND | 0.1 | 0.1 | 0.11 | 0.11 | 108 | 109 | 75-125 | 1 | 20 | | |
| Chromium | mg/L | ND | 0.1 | 0.1 | 0.10 | 0.10 | 101 | 102 | 75-125 | 1 | 20 | | |
| Cobalt | mg/L | 0.18 | 0.1 | 0.1 | 0.28 | 0.27 | 107 | 94 | 75-125 | 4 | 20 | | |
| Lead | mg/L | ND | 0.1 | 0.1 | 0.10 | 0.10 | 101 | 101 | 75-125 | 0 | 20 | | |
| Lithium | mg/L | 0.040 | 0.1 | 0.1 | 0.14 | 0.14 | 104 | 99 | 75-125 | 3 | 20 | | |
| Molybdenum | mg/L | 0.00092J | 0.1 | 0.1 | 0.11 | 0.11 | 107 | 106 | 75-125 | 1 | 20 | | |
| Selenium | mg/L | 0.0016J | 0.1 | 0.1 | 0.11 | 0.11 | 113 | 112 | 75-125 | 1 | 20 | | |
| Thallium | mg/L | 0.00028J | 0.1 | 0.1 | 0.10 | 0.10 | 100 | 101 | 75-125 | 1 | 20 | | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| | | | |
|------------------|-----------|-----------------------|--|
| QC Batch: | 801878 | Analysis Method: | EPA 7470A |
| QC Batch Method: | EPA 7470A | Analysis Description: | 7470 Mercury |
| | | Laboratory: | Pace Analytical Services - Peachtree Corners, GA |

Associated Lab Samples: 92686947020, 92686947021, 92686947022, 92686947023, 92686947024, 92686947025

METHOD BLANK: 4153671 Matrix: Water
 Associated Lab Samples: 92686947020, 92686947021, 92686947022, 92686947023, 92686947024, 92686947025

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|---------|----------------|------------|
| Mercury | mg/L | ND | 0.00020 | 0.00013 | 09/26/23 12:36 | |

LABORATORY CONTROL SAMPLE: 4153672

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Mercury | mg/L | 0.0025 | 0.0026 | 103 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4153673 4153674

| Parameter | Units | 92686679024 | | 4153674 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual | |
|-----------|-------|----------------|-----------------|-----------|------------|----------|-----------|--------------|--------|---------|------|--|
| | | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | | | | | | | |
| Mercury | mg/L | ND | 0.0025 | 0.0025 | 0.0026 | 0.0026 | 105 | 105 | 75-125 | 0 | 20 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| | | | |
|-------------------------|---|-----------------------|--|
| QC Batch: | 803462 | Analysis Method: | EPA 7470A |
| QC Batch Method: | EPA 7470A | Analysis Description: | 7470 Mercury |
| | | Laboratory: | Pace Analytical Services - Peachtree Corners, GA |
| Associated Lab Samples: | 92686947001, 92686947002, 92686947003, 92686947004, 92686947005, 92686947006, 92686947007, 92686947008, 92686947009, 92686947010, 92686947011, 92686947012, 92686947013, 92686947014, 92686947015, 92686947016, 92686947017, 92686947018, 92686947019 | | |

| | | | |
|-------------------------|---|---------|-------|
| METHOD BLANK: | 4161108 | Matrix: | Water |
| Associated Lab Samples: | 92686947001, 92686947002, 92686947003, 92686947004, 92686947005, 92686947006, 92686947007, 92686947008, 92686947009, 92686947010, 92686947011, 92686947012, 92686947013, 92686947014, 92686947015, 92686947016, 92686947017, 92686947018, 92686947019 | | |

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|---------|----------------|------------|
| Mercury | mg/L | ND | 0.00020 | 0.00013 | 10/02/23 17:49 | |

| LABORATORY CONTROL SAMPLE: | 4161109 | | | | | |
|----------------------------|---------|-------------|------------|-----------|--------------|------------|
| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
| Mercury | mg/L | 0.0025 | 0.0026 | 103 | 80-120 | |

| MATRIX SPIKE & MATRIX SPIKE DUPLICATE: | 4161110 | | | 4161111 | | | | | | | | |
|--|---------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| Parameter | Units | 92686947001 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
| Mercury | mg/L | ND | 0.0025 | 0.0025 | 0.0025 | 0.0023 | 98 | 92 | 75-125 | 6 | 20 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| | |
|--------------------------------|--|
| QC Batch: 799142 | Analysis Method: SM 2540C-2015 |
| QC Batch Method: SM 2540C-2015 | Analysis Description: 2540C Total Dissolved Solids |
| | Laboratory: Pace Analytical Services - Peachtree Corners, GA |

Associated Lab Samples: 92686947001

METHOD BLANK: 4138899 Matrix: Water
 Associated Lab Samples: 92686947001

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|------------------------|-------|--------------|-----------------|------|----------------|------------|
| Total Dissolved Solids | mg/L | ND | 25.0 | 25.0 | 09/12/23 11:42 | |

LABORATORY CONTROL SAMPLE: 4138900

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------------------|-------|-------------|------------|-----------|--------------|------------|
| Total Dissolved Solids | mg/L | 400 | 394 | 98 | 80-120 | |

SAMPLE DUPLICATE: 4138901

| Parameter | Units | 92686677006 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------------|-------|--------------------|------------|-----|---------|------------|
| Total Dissolved Solids | mg/L | 253 | 259 | 2 | 10 | |

SAMPLE DUPLICATE: 4138902

| Parameter | Units | 92687108002 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------------|-------|--------------------|------------|-----|---------|------------|
| Total Dissolved Solids | mg/L | 100 | 101 | 1 | 10 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

QC Batch: 799378 Analysis Method: SM 2540C-2015
 QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92686947002, 92686947003, 92686947004, 92686947005, 92686947006, 92686947007, 92686947008,
 92686947009, 92686947010, 92686947011, 92686947012, 92686947013, 92686947014, 92686947015,
 92686947016, 92686947017

METHOD BLANK: 4140337 Matrix: Water
 Associated Lab Samples: 92686947002, 92686947003, 92686947004, 92686947005, 92686947006, 92686947007, 92686947008,
 92686947009, 92686947010, 92686947011, 92686947012, 92686947013, 92686947014, 92686947015,
 92686947016, 92686947017

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|------------------------|-------|--------------|-----------------|------|----------------|------------|
| Total Dissolved Solids | mg/L | ND | 25.0 | 25.0 | 09/13/23 11:44 | |

LABORATORY CONTROL SAMPLE: 4140338

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------------------|-------|-------------|------------|-----------|--------------|------------|
| Total Dissolved Solids | mg/L | 400 | 382 | 96 | 80-120 | |

SAMPLE DUPLICATE: 4140339

| Parameter | Units | 92686947002 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------------|-------|--------------------|------------|-----|---------|------------|
| Total Dissolved Solids | mg/L | 451 | 472 | 5 | 10 | |

SAMPLE DUPLICATE: 4140340

| Parameter | Units | 92686947009 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------------|-------|--------------------|------------|-----|---------|------------|
| Total Dissolved Solids | mg/L | 960 | 846 | 13 | 10 D6 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| | | | |
|-------------------------|--------------------------|-----------------------|--|
| QC Batch: | 800282 | Analysis Method: | SM 2540C-2015 |
| QC Batch Method: | SM 2540C-2015 | Analysis Description: | 2540C Total Dissolved Solids |
| Associated Lab Samples: | 92686947018, 92686947019 | Laboratory: | Pace Analytical Services - Peachtree Corners, GA |

METHOD BLANK: 4144980 Matrix: Water
 Associated Lab Samples: 92686947018, 92686947019

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|------------------------|-------|--------------|-----------------|------|----------------|------------|
| Total Dissolved Solids | mg/L | ND | 25.0 | 25.0 | 09/18/23 12:43 | |

LABORATORY CONTROL SAMPLE: 4144981

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------------------|-------|-------------|------------|-----------|--------------|------------|
| Total Dissolved Solids | mg/L | 400 | 370 | 92 | 80-120 | |

SAMPLE DUPLICATE: 4144982

| Parameter | Units | 92687223010 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------------|-------|--------------------|------------|-----|---------|------------|
| Total Dissolved Solids | mg/L | ND | ND | | 10 | |

SAMPLE DUPLICATE: 4144983

| Parameter | Units | 92686679022 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------------|-------|--------------------|------------|-----|---------|------------|
| Total Dissolved Solids | mg/L | 560 | 567 | 1 | 10 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Well Network
 Pace Project No.: 92686947

QC Batch: 800804 Analysis Method: SM 2540C-2015
 QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92686947020, 92686947021, 92686947022, 92686947023, 92686947024, 92686947025

METHOD BLANK: 4147886 Matrix: Water
 Associated Lab Samples: 92686947020, 92686947021, 92686947022, 92686947023, 92686947024, 92686947025

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|------------------------|-------|--------------|-----------------|------|----------------|------------|
| Total Dissolved Solids | mg/L | ND | 25.0 | 25.0 | 09/20/23 20:07 | |

LABORATORY CONTROL SAMPLE: 4147887

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------------------|-------|-------------|------------|-----------|--------------|------------|
| Total Dissolved Solids | mg/L | 400 | 455 | 114 | 80-120 | |

SAMPLE DUPLICATE: 4147888

| Parameter | Units | 92688018001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------------|-------|--------------------|------------|-----|---------|------------|
| Total Dissolved Solids | mg/L | 290000 ug/L | 288 | 1 | 10 | |

SAMPLE DUPLICATE: 4147889

| Parameter | Units | 92688018017 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------------|-------|--------------------|------------|-----|---------|------------|
| Total Dissolved Solids | mg/L | 490000 ug/L | 466 | 5 | 10 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

QC Batch: 799657 Analysis Method: SM 2320B-2011
 QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92686947001, 92686947002, 92686947003, 92686947004

METHOD BLANK: 4141803 Matrix: Water
 Associated Lab Samples: 92686947001, 92686947002, 92686947003, 92686947004

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|--------------------------------|-------|--------------|-----------------|-----|----------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | ND | 5.0 | 5.0 | 09/14/23 11:08 | |
| Alkalinity,Bicarbonate (CaCO3) | mg/L | ND | 5.0 | 5.0 | 09/14/23 11:08 | |
| Alkalinity,Carbonate (CaCO3) | mg/L | ND | 5.0 | 5.0 | 09/14/23 11:08 | |

LABORATORY CONTROL SAMPLE: 4141804

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | 50 | 50.6 | 101 | 80-120 | |

LABORATORY CONTROL SAMPLE: 4141805

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | 50 | 48.9 | 98 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4141806 4141807

| Parameter | Units | 4141806 | | 4141807 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|----------------------------|-------|----------------|-----------------|-----------|------------|----------|-----------|--------------|--------|---------|------|
| | | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | | | | | | |
| Alkalinity, Total as CaCO3 | mg/L | 17.5 | 50 | 50 | 70.9 | 70.2 | 107 | 105 | 80-120 | 1 | 25 |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4141808 4141809

| Parameter | Units | 4141808 | | 4141809 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|----------------------------|-------|----------------|-----------------|-----------|------------|----------|-----------|--------------|--------|---------|------|
| | | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | | | | | | |
| Alkalinity, Total as CaCO3 | mg/L | ND | 50 | 50 | 55.2 | 55.3 | 104 | 104 | 80-120 | 0 | 25 |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| | | | |
|-------------------------|---|-----------------------|--------------------------------------|
| QC Batch: | 799684 | Analysis Method: | SM 2320B-2011 |
| QC Batch Method: | SM 2320B-2011 | Analysis Description: | 2320B Alkalinity |
| | | Laboratory: | Pace Analytical Services - Asheville |
| Associated Lab Samples: | 92686947005, 92686947006, 92686947007, 92686947008, 92686947009, 92686947010, 92686947011, 92686947012, 92686947013, 92686947014, 92686947015, 92686947016, 92686947017 | | |

| | | | |
|-------------------------|---|---------|-------|
| METHOD BLANK: | 4141941 | Matrix: | Water |
| Associated Lab Samples: | 92686947005, 92686947006, 92686947007, 92686947008, 92686947009, 92686947010, 92686947011, 92686947012, 92686947013, 92686947014, 92686947015, 92686947016, 92686947017 | | |

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|--------------------------------|-------|--------------|-----------------|-----|----------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | ND | 5.0 | 5.0 | 09/14/23 14:09 | |
| Alkalinity,Bicarbonate (CaCO3) | mg/L | ND | 5.0 | 5.0 | 09/14/23 14:09 | |
| Alkalinity,Carbonate (CaCO3) | mg/L | ND | 5.0 | 5.0 | 09/14/23 14:09 | |

| LABORATORY CONTROL SAMPLE: 4141942 | | | | | | |
|------------------------------------|-------|-------------|------------|-----------|--------------|------------|
| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
| Alkalinity, Total as CaCO3 | mg/L | 50 | 51.9 | 104 | 80-120 | |

| LABORATORY CONTROL SAMPLE: 4141943 | | | | | | |
|------------------------------------|-------|-------------|------------|-----------|--------------|------------|
| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
| Alkalinity, Total as CaCO3 | mg/L | 50 | 50.6 | 101 | 80-120 | |

| MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4141944 | | | | | | | | | | | | 4141945 | |
|--|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|---------|--|
| Parameter | Units | 92686679018 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual | |
| Alkalinity, Total as CaCO3 | mg/L | ND | 50 | 50 | 51.4 | 51.4 | 102 | 102 | 80-120 | 0 | 25 | | |

| MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4141946 | | | | | | | | | | | | 4141947 | |
|--|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|---------|--|
| Parameter | Units | 92687508001 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual | |
| Alkalinity, Total as CaCO3 | mg/L | 153 | 50 | 50 | 207 | 216 | 107 | 125 | 80-120 | 4 | 25 M1 | | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

QC Batch: 800267 Analysis Method: SM 2320B-2011
 QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92686947018, 92686947019

METHOD BLANK: 4144892 Matrix: Water

Associated Lab Samples: 92686947018, 92686947019

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|--------------------------------|-------|--------------|-----------------|-----|----------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | ND | 5.0 | 5.0 | 09/18/23 13:51 | |
| Alkalinity,Bicarbonate (CaCO3) | mg/L | ND | 5.0 | 5.0 | 09/18/23 13:51 | |
| Alkalinity,Carbonate (CaCO3) | mg/L | ND | 5.0 | 5.0 | 09/18/23 13:51 | |

LABORATORY CONTROL SAMPLE: 4144893

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | 50 | 51.1 | 102 | 80-120 | |

LABORATORY CONTROL SAMPLE: 4144894

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | 50 | 52.9 | 106 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4144895 4144896

| Parameter | Units | MS | | MSD | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual | |
|----------------------------|-------|---------------------|-------------|-------------|--------|----------|-----------|--------------|--------|---------|------|--|
| | | Result | Spike Conc. | Spike Conc. | Result | | | | | | | |
| Alkalinity, Total as CaCO3 | mg/L | 92687758002 38.2 | 50 | 50 | 87.5 | 87.8 | 99 | 99 | 80-120 | 0 | 25 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4144897 4144898

| Parameter | Units | MS | | MSD | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual | |
|----------------------------|-------|---------------------|-------------|-------------|--------|----------|-----------|--------------|--------|---------|------|--|
| | | Result | Spike Conc. | Spike Conc. | Result | | | | | | | |
| Alkalinity, Total as CaCO3 | mg/L | 92687758004 92.6 | 50 | 50 | 143 | 144 | 102 | 103 | 80-120 | 0 | 25 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

QC Batch: 800448 Analysis Method: SM 2320B-2011
 QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92686947020, 92686947021, 92686947022, 92686947023, 92686947024, 92686947025

METHOD BLANK: 4145920 Matrix: Water
 Associated Lab Samples: 92686947020, 92686947021, 92686947022, 92686947023, 92686947024, 92686947025

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|--------------------------------|-------|--------------|-----------------|-----|----------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | ND | 5.0 | 5.0 | 09/19/23 14:10 | |
| Alkalinity,Bicarbonate (CaCO3) | mg/L | ND | 5.0 | 5.0 | 09/19/23 14:10 | |
| Alkalinity,Carbonate (CaCO3) | mg/L | ND | 5.0 | 5.0 | 09/19/23 14:10 | |

LABORATORY CONTROL SAMPLE: 4145921

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | 50 | 52.6 | 105 | 80-120 | |

LABORATORY CONTROL SAMPLE: 4145922

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | 50 | 50.6 | 101 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4145923 4145924

| Parameter | Units | 92686947024 | | 4145923 | | 4145924 | | % Rec Limits | RPD | Max RPD | Qual | |
|----------------------------|-------|-------------|------------|----------------|-----------------|-----------|------------|--------------|-----|---------|------|----------|
| | | MS Result | MSD Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | | | | | MS % Rec |
| Alkalinity, Total as CaCO3 | mg/L | 6.7 | 6.7 | 50 | 50 | 60.8 | 61.0 | 108 | 109 | 80-120 | 0 | 25 |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4145925 4145926

| Parameter | Units | 92686947025 | | 4145925 | | 4145926 | | % Rec Limits | RPD | Max RPD | Qual | |
|----------------------------|-------|-------------|------------|----------------|-----------------|-----------|------------|--------------|-----|---------|------|----------|
| | | MS Result | MSD Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | | | | | MS % Rec |
| Alkalinity, Total as CaCO3 | mg/L | ND | ND | 50 | 50 | 42.0 | 41.6 | 84 | 83 | 80-120 | 1 | 25 |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| | | | |
|-------------------------|--|-----------------------|--------------------------------------|
| QC Batch: | 799297 | Analysis Method: | SM 4500-S2D-2011 |
| QC Batch Method: | SM 4500-S2D-2011 | Analysis Description: | 4500S2D Sulfide Water |
| | | Laboratory: | Pace Analytical Services - Asheville |
| Associated Lab Samples: | 92686947001, 92686947002, 92686947003, 92686947004, 92686947005, 92686947006, 92686947007, 92686947008 | | |

| | | | |
|-------------------------|--|---------|-------|
| METHOD BLANK: | 4140104 | Matrix: | Water |
| Associated Lab Samples: | 92686947001, 92686947002, 92686947003, 92686947004, 92686947005, 92686947006, 92686947007, 92686947008 | | |

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|-------|----------------|------------|
| Sulfide | mg/L | ND | 0.10 | 0.022 | 09/13/23 02:36 | |

| LABORATORY CONTROL SAMPLE: 4140105 | | | | | | |
|------------------------------------|-------|-------------|------------|-----------|--------------|------------|
| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
| Sulfide | mg/L | 0.5 | 0.52 | 105 | 80-120 | |

| MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4140106 | | | | | | | | | | | | 4140107 | |
|--|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|---------|--|
| Parameter | Units | 92686677011 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual | |
| Sulfide | mg/L | ND | 0.5 | 0.5 | 0.50 | 0.53 | 100 | 107 | 80-120 | 6 | 10 | | |

| MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4140108 | | | | | | | | | | | | 4140109 | |
|--|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|---------|--|
| Parameter | Units | 92686947008 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual | |
| Sulfide | mg/L | ND | 0.5 | 0.5 | 0.52 | 0.51 | 104 | 102 | 80-120 | 2 | 10 | | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

QC Batch: 799849

Analysis Method: SM 4500-S2D-2011

QC Batch Method: SM 4500-S2D-2011

Analysis Description: 4500S2D Sulfide Water

Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92686947009, 92686947010, 92686947011, 92686947012, 92686947013, 92686947014, 92686947015, 92686947016, 92686947017

METHOD BLANK: 4143142

Matrix: Water

Associated Lab Samples: 92686947009, 92686947010, 92686947011, 92686947012, 92686947013, 92686947014, 92686947015, 92686947016, 92686947017

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|-------|----------------|------------|
| Sulfide | mg/L | ND | 0.10 | 0.022 | 09/15/23 04:50 | |

LABORATORY CONTROL SAMPLE: 4143143

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Sulfide | mg/L | 0.5 | 0.54 | 107 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4143146 4143147

| Parameter | Units | 92686679015 Result | MS | | MSD | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|--------------------|-------------|-----------|------------|-----|----------|-----------|--------------|-----|---------|------|
| | | | Spike Conc. | MS Result | MSD Result | | | | | | | |
| Sulfide | mg/L | ND | 0.5 | 0.54 | 0.54 | 105 | 107 | 80-120 | 2 | 10 | | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4143167 4143168

| Parameter | Units | 92686947012 Result | MS | | MSD | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|--------------------|-------------|-----------|------------|----|----------|-----------|--------------|-----|---------|------|
| | | | Spike Conc. | MS Result | MSD Result | | | | | | | |
| Sulfide | mg/L | ND | 0.5 | 0.49 | 0.49 | 96 | 96 | 80-120 | 1 | 10 | | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| | |
|-----------------------------------|--|
| QC Batch: 799850 | Analysis Method: SM 4500-S2D-2011 |
| QC Batch Method: SM 4500-S2D-2011 | Analysis Description: 4500S2D Sulfide Water |
| | Laboratory: Pace Analytical Services - Asheville |

Associated Lab Samples: 92686947018, 92686947019

METHOD BLANK: 4143148 Matrix: Water

Associated Lab Samples: 92686947018, 92686947019

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|-------|----------------|------------|
| Sulfide | mg/L | ND | 0.10 | 0.022 | 09/15/23 05:02 | |

LABORATORY CONTROL SAMPLE: 4143149

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Sulfide | mg/L | 0.5 | 0.53 | 106 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4143150 4143151

| Parameter | Units | 92687636005 Result | MS | MSD | MS | MSD | MS | MSD | % Rec | Limits | RPD | Max RPD | Qual |
|-----------|-------|--------------------|-------------|-------------|--------|--------|-------|-------|--------|--------|-----|---------|------|
| | | | Spike Conc. | Spike Conc. | Result | Result | % Rec | % Rec | | | | | |
| Sulfide | mg/L | ND | 0.5 | 0.5 | 0.50 | 0.50 | 97 | 98 | 80-120 | 1 | 10 | | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4143169 4143170

| Parameter | Units | 92687839001 Result | MS | MSD | MS | MSD | MS | MSD | % Rec | Limits | RPD | Max RPD | Qual |
|-----------|-------|--------------------|-------------|-------------|--------|--------|-------|-------|--------|--------|-----|---------|------|
| | | | Spike Conc. | Spike Conc. | Result | Result | % Rec | % Rec | | | | | |
| Sulfide | mg/L | ND | 0.5 | 0.5 | 0.52 | 0.52 | 101 | 100 | 80-120 | 1 | 10 | | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

QC Batch: 800665 Analysis Method: SM 4500-S2D-2011
 QC Batch Method: SM 4500-S2D-2011 Analysis Description: 4500S2D Sulfide Water
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92686947020, 92686947021, 92686947022, 92686947023, 92686947024, 92686947025

METHOD BLANK: 4147249 Matrix: Water
 Associated Lab Samples: 92686947020, 92686947021, 92686947022, 92686947023, 92686947024, 92686947025

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|-------|----------------|------------|
| Sulfide | mg/L | ND | 0.10 | 0.022 | 09/20/23 02:40 | |

LABORATORY CONTROL SAMPLE: 4147250

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Sulfide | mg/L | 0.5 | 0.52 | 103 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4147268 4147269

| Parameter | Units | 92688066005 Result | MS | MSD | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|--------------------|-------------|-------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| | | | Spike Conc. | Spike Conc. | | | | | | | | |
| Sulfide | mg/L | ND | 0.5 | 0.5 | 0.53 | 0.54 | 104 | 107 | 80-120 | 3 | 10 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4147270 4147271

| Parameter | Units | 92686947023 Result | MS | MSD | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|--------------------|-------------|-------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| | | | Spike Conc. | Spike Conc. | | | | | | | | |
| Sulfide | mg/L | ND | 0.5 | 0.5 | 0.52 | 0.51 | 103 | 101 | 80-120 | 2 | 10 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| | | | |
|-------------------------|--|-----------------------|--------------------------------------|
| QC Batch: | 799073 | Analysis Method: | EPA 300.0 Rev 2.1 1993 |
| QC Batch Method: | EPA 300.0 Rev 2.1 1993 | Analysis Description: | 300.0 IC Anions |
| | | Laboratory: | Pace Analytical Services - Asheville |
| Associated Lab Samples: | 92686947001, 92686947002, 92686947003, 92686947004, 92686947005, 92686947006, 92686947007, 92686947008 | | |

| | | | |
|-------------------------|--|---------|-------|
| METHOD BLANK: | 4138716 | Matrix: | Water |
| Associated Lab Samples: | 92686947001, 92686947002, 92686947003, 92686947004, 92686947005, 92686947006, 92686947007, 92686947008 | | |

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|-------|----------------|------------|
| Chloride | mg/L | ND | 1.0 | 0.60 | 09/13/23 01:09 | |
| Fluoride | mg/L | ND | 0.10 | 0.050 | 09/13/23 01:09 | |
| Sulfate | mg/L | ND | 1.0 | 0.50 | 09/13/23 01:09 | |

| LABORATORY CONTROL SAMPLE: 4138717 | | | | | | |
|------------------------------------|-------|-------------|------------|-----------|--------------|------------|
| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
| Chloride | mg/L | 50 | 50.1 | 100 | 90-110 | |
| Fluoride | mg/L | 2.5 | 2.7 | 108 | 90-110 | |
| Sulfate | mg/L | 50 | 50.6 | 101 | 90-110 | |

| MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4138718 | | | | | | | | | | | | 4138719 | |
|--|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|---------|--|
| Parameter | Units | 92686947001 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual | |
| Chloride | mg/L | 3.5 | 50 | 50 | 56.1 | 56.9 | 105 | 107 | 90-110 | 1 | 10 | | |
| Fluoride | mg/L | ND | 2.5 | 2.5 | 2.7 | 2.7 | 107 | 109 | 90-110 | 2 | 10 | | |
| Sulfate | mg/L | 43.1 | 50 | 50 | 94.0 | 95.0 | 102 | 104 | 90-110 | 1 | 10 | | |

| MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4138720 | | | | | | | | | | | | 4138721 | |
|--|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|---------|--|
| Parameter | Units | 92686945002 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual | |
| Chloride | mg/L | 195 | 50 | 50 | 232 | 231 | 73 | 72 | 90-110 | 0 | 10 | M1 | |
| Fluoride | mg/L | ND | 2.5 | 2.5 | ND | ND | 0 | 0 | 90-110 | | 10 | D3,M1 | |
| Sulfate | mg/L | 539 | 50 | 50 | 598 | 597 | 117 | 115 | 90-110 | 0 | 10 | M1 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| | | | |
|-------------------------|--|-----------------------|--------------------------------------|
| QC Batch: | 799598 | Analysis Method: | EPA 300.0 Rev 2.1 1993 |
| QC Batch Method: | EPA 300.0 Rev 2.1 1993 | Analysis Description: | 300.0 IC Anions |
| | | Laboratory: | Pace Analytical Services - Asheville |
| Associated Lab Samples: | 92686947009, 92686947010, 92686947011, 92686947012, 92686947013, 92686947014, 92686947015, 92686947016 | | |

| | | | |
|-------------------------|--|---------|-------|
| METHOD BLANK: | 4141622 | Matrix: | Water |
| Associated Lab Samples: | 92686947009, 92686947010, 92686947011, 92686947012, 92686947013, 92686947014, 92686947015, 92686947016 | | |

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|-------|----------------|------------|
| Chloride | mg/L | ND | 1.0 | 0.60 | 09/14/23 14:30 | |
| Fluoride | mg/L | ND | 0.10 | 0.050 | 09/14/23 14:30 | |
| Sulfate | mg/L | ND | 1.0 | 0.50 | 09/14/23 14:30 | |

| LABORATORY CONTROL SAMPLE: 4141623 | | | | | | |
|------------------------------------|-------|-------------|------------|-----------|--------------|------------|
| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
| Chloride | mg/L | 50 | 50.7 | 101 | 90-110 | |
| Fluoride | mg/L | 2.5 | 2.5 | 100 | 90-110 | |
| Sulfate | mg/L | 50 | 51.0 | 102 | 90-110 | |

| MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4141624 | | | | | | | | | | | | 4141625 | |
|--|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|---------|--|
| Parameter | Units | 92687691002 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual | |
| Chloride | mg/L | | 50 | 50 | 83.1 | 78.8 | 102 | 94 | 90-110 | 5 | 10 | | |
| Fluoride | mg/L | | 2.5 | 2.5 | 3.1 | 3.0 | 122 | 118 | 90-110 | 3 | 10 M1 | | |
| Sulfate | mg/L | 78.7 | 50 | 50 | 122 | 122 | 87 | 87 | 90-110 | 0 | 10 M1 | | |

| MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4141626 | | | | | | | | | | | | 4141627 | |
|--|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|---------|--|
| Parameter | Units | 92687188001 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual | |
| Chloride | mg/L | 67.0 | 50 | 50 | 112 | 113 | 90 | 91 | 90-110 | 1 | 10 | | |
| Fluoride | mg/L | 1.9 | 2.5 | 2.5 | 4.2 | 4.2 | 93 | 94 | 90-110 | 1 | 10 | | |
| Sulfate | mg/L | 47.2 | 50 | 50 | 99.4 | 93.6 | 104 | 93 | 90-110 | 6 | 10 | | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| | | | |
|------------------|------------------------|-----------------------|--------------------------------------|
| QC Batch: | 799599 | Analysis Method: | EPA 300.0 Rev 2.1 1993 |
| QC Batch Method: | EPA 300.0 Rev 2.1 1993 | Analysis Description: | 300.0 IC Anions |
| | | Laboratory: | Pace Analytical Services - Asheville |

Associated Lab Samples: 92686947017, 92686947018, 92686947019

METHOD BLANK: 4141628 Matrix: Water

Associated Lab Samples: 92686947017, 92686947018, 92686947019

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|-------|----------------|------------|
| Chloride | mg/L | ND | 1.0 | 0.60 | 09/14/23 22:23 | |
| Fluoride | mg/L | ND | 0.10 | 0.050 | 09/14/23 22:23 | |
| Sulfate | mg/L | ND | 1.0 | 0.50 | 09/14/23 22:23 | |

LABORATORY CONTROL SAMPLE: 4141629

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Chloride | mg/L | 50 | 50.1 | 100 | 90-110 | |
| Fluoride | mg/L | 2.5 | 2.6 | 103 | 90-110 | |
| Sulfate | mg/L | 50 | 50.5 | 101 | 90-110 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4141630 4141631

| Parameter | Units | 92686947017 | | 4141630 | | 4141631 | | % Rec | % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|-------------|------------|----------------|-----------------|-----------|------------|-------|-------|--------------|-----|---------|------|
| | | MS Result | MSD Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | | | | | | |
| Chloride | mg/L | ND | ND | 50 | 50 | 52.8 | 49.9 | 106 | 100 | 90-110 | 6 | 10 | |
| Fluoride | mg/L | ND | ND | 2.5 | 2.5 | 2.7 | 2.6 | 107 | 104 | 90-110 | 3 | 10 | |
| Sulfate | mg/L | ND | ND | 50 | 50 | 52.9 | 49.9 | 106 | 100 | 90-110 | 6 | 10 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4141632 4141633

| Parameter | Units | 92686679019 | | 4141632 | | 4141633 | | % Rec | % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|-------------|------------|----------------|-----------------|-----------|------------|-------|-------|--------------|-----|---------|------|
| | | MS Result | MSD Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | | | | | | |
| Chloride | mg/L | 4.0 | 4.0 | 50 | 50 | 57.7 | 54.0 | 107 | 100 | 90-110 | 7 | 10 | |
| Fluoride | mg/L | 0.069J | 0.069J | 2.5 | 2.5 | 2.7 | 2.5 | 104 | 97 | 90-110 | 7 | 10 | |
| Sulfate | mg/L | ND | ND | 50 | 50 | 54.2 | 50.4 | 108 | 100 | 90-110 | 7 | 10 | |

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QUALITY CONTROL DATA

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

QC Batch: 800156 Analysis Method: EPA 300.0 Rev 2.1 1993
 QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92686947020, 92686947021, 92686947022, 92686947023, 92686947024, 92686947025

METHOD BLANK: 4144622 Matrix: Water
 Associated Lab Samples: 92686947020, 92686947021, 92686947022, 92686947023, 92686947024, 92686947025

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|-------|----------------|------------|
| Chloride | mg/L | ND | 1.0 | 0.60 | 09/16/23 23:58 | |
| Fluoride | mg/L | ND | 0.10 | 0.050 | 09/16/23 23:58 | |
| Sulfate | mg/L | ND | 1.0 | 0.50 | 09/16/23 23:58 | |

LABORATORY CONTROL SAMPLE: 4144623

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Chloride | mg/L | 50 | 48.3 | 97 | 90-110 | |
| Fluoride | mg/L | 2.5 | 2.4 | 94 | 90-110 | |
| Sulfate | mg/L | 50 | 48.6 | 97 | 90-110 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4144624 4144625

| Parameter | Units | 92686947020 | | 92686947025 | | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|----------------|-----------------|-------------|------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| | | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | | | | | | | | |
| Chloride | mg/L | 1.9 | 50 | 50 | 51.2 | 51.6 | 99 | 99 | 90-110 | 1 | 10 | | |
| Fluoride | mg/L | 0.083J | 2.5 | 2.5 | 2.5 | 2.5 | 96 | 97 | 90-110 | 1 | 10 | | |
| Sulfate | mg/L | 95.5 | 50 | 50 | 135 | 137 | 79 | 82 | 90-110 | 1 | 10 | M1 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4144626 4144627

| Parameter | Units | 92688293005 | | 92688293005 | | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|----------------|-----------------|-------------|------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| | | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | | | | | | | | |
| Chloride | mg/L | 3.2 | 50 | 50 | 53.6 | 53.8 | 101 | 101 | 90-110 | 0 | 10 | | |
| Fluoride | mg/L | 0.26 | 2.5 | 2.5 | 2.7 | 2.7 | 97 | 97 | 90-110 | 0 | 10 | | |
| Sulfate | mg/L | 13.3 | 50 | 50 | 64.0 | 64.1 | 101 | 102 | 90-110 | 0 | 10 | | |

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QUALIFIERS

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|----------------|-----------------|----------|-------------------|------------------|
| 92686947001 | MCD-DGWC-14 | EPA 3010A | 798973 | EPA 6010D | 799143 |
| 92686947002 | MCD-DGWC-11 | EPA 3010A | 798973 | EPA 6010D | 799143 |
| 92686947003 | MCD-DGWC-15 | EPA 3010A | 798973 | EPA 6010D | 799143 |
| 92686947004 | MCD-DGWC-19 | EPA 3010A | 798973 | EPA 6010D | 799143 |
| 92686947005 | MCD-DGWC-13 | EPA 3010A | 798973 | EPA 6010D | 799143 |
| 92686947006 | MCD-AP234-FD-2 | EPA 3010A | 798973 | EPA 6010D | 799143 |
| 92686947007 | MCD-AP234-FB-2 | EPA 3010A | 802397 | EPA 6010D | 802501 |
| 92686947008 | MCD-AP234-EB-2 | EPA 3010A | 798973 | EPA 6010D | 799143 |
| 92686947009 | MCD-DGWC-20 | EPA 3010A | 799401 | EPA 6010D | 799461 |
| 92686947010 | MCD-DGWC-12 | EPA 3010A | 799401 | EPA 6010D | 799461 |
| 92686947011 | MCD-DGWC-21 | EPA 3010A | 799401 | EPA 6010D | 799461 |
| 92686947012 | MCD-DGWC-22 | EPA 3010A | 799401 | EPA 6010D | 799461 |
| 92686947013 | MCD-DGWC-10 | EPA 3010A | 799401 | EPA 6010D | 799461 |
| 92686947014 | MCD-DGWC-23 | EPA 3010A | 799401 | EPA 6010D | 799461 |
| 92686947015 | MCD-AP234-FD-3 | EPA 3010A | 799401 | EPA 6010D | 799461 |
| 92686947016 | MCD-AP234-FB-3 | EPA 3010A | 799401 | EPA 6010D | 799461 |
| 92686947017 | MCD-AP234-EB-3 | EPA 3010A | 799401 | EPA 6010D | 799461 |
| 92686947018 | MCD-DGWC-47 | EPA 3010A | 802701 | EPA 6010D | 802875 |
| 92686947019 | MCD-DGWC-8 | EPA 3010A | 802701 | EPA 6010D | 802875 |
| 92686947020 | MCD-DGWC-2 | EPA 3010A | 802701 | EPA 6010D | 802875 |
| 92686947021 | MCD-DGWC-4 | EPA 3010A | 802701 | EPA 6010D | 802875 |
| 92686947022 | MCD-DGWC-5 | EPA 3010A | 802701 | EPA 6010D | 802875 |
| 92686947023 | MCD-DGWC-17 | EPA 3010A | 802701 | EPA 6010D | 802875 |
| 92686947024 | MCD-DGWC-42 | EPA 3010A | 802701 | EPA 6010D | 802875 |
| 92686947025 | MCD-DGWC-48 | EPA 3010A | 802701 | EPA 6010D | 802875 |
| 92686947001 | MCD-DGWC-14 | EPA 3005A | 798931 | EPA 6020B | 799166 |
| 92686947002 | MCD-DGWC-11 | EPA 3005A | 798931 | EPA 6020B | 799166 |
| 92686947003 | MCD-DGWC-15 | EPA 3005A | 798931 | EPA 6020B | 799166 |
| 92686947004 | MCD-DGWC-19 | EPA 3005A | 798931 | EPA 6020B | 799166 |
| 92686947005 | MCD-DGWC-13 | EPA 3005A | 798931 | EPA 6020B | 799166 |
| 92686947006 | MCD-AP234-FD-2 | EPA 3005A | 798931 | EPA 6020B | 799166 |
| 92686947007 | MCD-AP234-FB-2 | EPA 3005A | 798931 | EPA 6020B | 799166 |
| 92686947008 | MCD-AP234-EB-2 | EPA 3005A | 798931 | EPA 6020B | 799166 |
| 92686947009 | MCD-DGWC-20 | EPA 3005A | 799426 | EPA 6020B | 799535 |
| 92686947010 | MCD-DGWC-12 | EPA 3005A | 799426 | EPA 6020B | 799535 |
| 92686947011 | MCD-DGWC-21 | EPA 3005A | 799426 | EPA 6020B | 799535 |
| 92686947012 | MCD-DGWC-22 | EPA 3005A | 799426 | EPA 6020B | 799535 |
| 92686947013 | MCD-DGWC-10 | EPA 3005A | 799426 | EPA 6020B | 799535 |
| 92686947014 | MCD-DGWC-23 | EPA 3005A | 799426 | EPA 6020B | 799535 |
| 92686947015 | MCD-AP234-FD-3 | EPA 3005A | 799426 | EPA 6020B | 799535 |
| 92686947016 | MCD-AP234-FB-3 | EPA 3005A | 799426 | EPA 6020B | 799535 |
| 92686947017 | MCD-AP234-EB-3 | EPA 3005A | 799426 | EPA 6020B | 799535 |
| 92686947018 | MCD-DGWC-47 | EPA 3005A | 799667 | EPA 6020B | 799762 |
| 92686947019 | MCD-DGWC-8 | EPA 3005A | 799667 | EPA 6020B | 799762 |
| 92686947020 | MCD-DGWC-2 | EPA 3005A | 800427 | EPA 6020B | 800580 |

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

Table with 6 columns: Lab ID, Sample ID, QC Batch Method, QC Batch, Analytical Method, Analytical Batch. It lists various sample IDs and their corresponding QC and analytical data.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|----------------|------------------|----------|-------------------|------------------|
| 92686947018 | MCD-DGWC-47 | SM 2540C-2015 | 800282 | | |
| 92686947019 | MCD-DGWC-8 | SM 2540C-2015 | 800282 | | |
| 92686947020 | MCD-DGWC-2 | SM 2540C-2015 | 800804 | | |
| 92686947021 | MCD-DGWC-4 | SM 2540C-2015 | 800804 | | |
| 92686947022 | MCD-DGWC-5 | SM 2540C-2015 | 800804 | | |
| 92686947023 | MCD-DGWC-17 | SM 2540C-2015 | 800804 | | |
| 92686947024 | MCD-DGWC-42 | SM 2540C-2015 | 800804 | | |
| 92686947025 | MCD-DGWC-48 | SM 2540C-2015 | 800804 | | |
| 92686947001 | MCD-DGWC-14 | SM 2320B-2011 | 799657 | | |
| 92686947002 | MCD-DGWC-11 | SM 2320B-2011 | 799657 | | |
| 92686947003 | MCD-DGWC-15 | SM 2320B-2011 | 799657 | | |
| 92686947004 | MCD-DGWC-19 | SM 2320B-2011 | 799657 | | |
| 92686947005 | MCD-DGWC-13 | SM 2320B-2011 | 799684 | | |
| 92686947006 | MCD-AP234-FD-2 | SM 2320B-2011 | 799684 | | |
| 92686947007 | MCD-AP234-FB-2 | SM 2320B-2011 | 799684 | | |
| 92686947008 | MCD-AP234-EB-2 | SM 2320B-2011 | 799684 | | |
| 92686947009 | MCD-DGWC-20 | SM 2320B-2011 | 799684 | | |
| 92686947010 | MCD-DGWC-12 | SM 2320B-2011 | 799684 | | |
| 92686947011 | MCD-DGWC-21 | SM 2320B-2011 | 799684 | | |
| 92686947012 | MCD-DGWC-22 | SM 2320B-2011 | 799684 | | |
| 92686947013 | MCD-DGWC-10 | SM 2320B-2011 | 799684 | | |
| 92686947014 | MCD-DGWC-23 | SM 2320B-2011 | 799684 | | |
| 92686947015 | MCD-AP234-FD-3 | SM 2320B-2011 | 799684 | | |
| 92686947016 | MCD-AP234-FB-3 | SM 2320B-2011 | 799684 | | |
| 92686947017 | MCD-AP234-EB-3 | SM 2320B-2011 | 799684 | | |
| 92686947018 | MCD-DGWC-47 | SM 2320B-2011 | 800267 | | |
| 92686947019 | MCD-DGWC-8 | SM 2320B-2011 | 800267 | | |
| 92686947020 | MCD-DGWC-2 | SM 2320B-2011 | 800448 | | |
| 92686947021 | MCD-DGWC-4 | SM 2320B-2011 | 800448 | | |
| 92686947022 | MCD-DGWC-5 | SM 2320B-2011 | 800448 | | |
| 92686947023 | MCD-DGWC-17 | SM 2320B-2011 | 800448 | | |
| 92686947024 | MCD-DGWC-42 | SM 2320B-2011 | 800448 | | |
| 92686947025 | MCD-DGWC-48 | SM 2320B-2011 | 800448 | | |
| 92686947001 | MCD-DGWC-14 | SM 4500-S2D-2011 | 799297 | | |
| 92686947002 | MCD-DGWC-11 | SM 4500-S2D-2011 | 799297 | | |
| 92686947003 | MCD-DGWC-15 | SM 4500-S2D-2011 | 799297 | | |
| 92686947004 | MCD-DGWC-19 | SM 4500-S2D-2011 | 799297 | | |
| 92686947005 | MCD-DGWC-13 | SM 4500-S2D-2011 | 799297 | | |
| 92686947006 | MCD-AP234-FD-2 | SM 4500-S2D-2011 | 799297 | | |
| 92686947007 | MCD-AP234-FB-2 | SM 4500-S2D-2011 | 799297 | | |
| 92686947008 | MCD-AP234-EB-2 | SM 4500-S2D-2011 | 799297 | | |
| 92686947009 | MCD-DGWC-20 | SM 4500-S2D-2011 | 799849 | | |
| 92686947010 | MCD-DGWC-12 | SM 4500-S2D-2011 | 799849 | | |
| 92686947011 | MCD-DGWC-21 | SM 4500-S2D-2011 | 799849 | | |
| 92686947012 | MCD-DGWC-22 | SM 4500-S2D-2011 | 799849 | | |

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant McD AP-234 Well Network

Pace Project No.: 92686947

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|----------------|------------------------|----------|-------------------|------------------|
| 92686947013 | MCD-DGWC-10 | SM 4500-S2D-2011 | 799849 | | |
| 92686947014 | MCD-DGWC-23 | SM 4500-S2D-2011 | 799849 | | |
| 92686947015 | MCD-AP234-FD-3 | SM 4500-S2D-2011 | 799849 | | |
| 92686947016 | MCD-AP234-FB-3 | SM 4500-S2D-2011 | 799849 | | |
| 92686947017 | MCD-AP234-EB-3 | SM 4500-S2D-2011 | 799849 | | |
| 92686947018 | MCD-DGWC-47 | SM 4500-S2D-2011 | 799850 | | |
| 92686947019 | MCD-DGWC-8 | SM 4500-S2D-2011 | 799850 | | |
| 92686947020 | MCD-DGWC-2 | SM 4500-S2D-2011 | 800665 | | |
| 92686947021 | MCD-DGWC-4 | SM 4500-S2D-2011 | 800665 | | |
| 92686947022 | MCD-DGWC-5 | SM 4500-S2D-2011 | 800665 | | |
| 92686947023 | MCD-DGWC-17 | SM 4500-S2D-2011 | 800665 | | |
| 92686947024 | MCD-DGWC-42 | SM 4500-S2D-2011 | 800665 | | |
| 92686947025 | MCD-DGWC-48 | SM 4500-S2D-2011 | 800665 | | |
| 92686947001 | MCD-DGWC-14 | EPA 300.0 Rev 2.1 1993 | 799073 | | |
| 92686947002 | MCD-DGWC-11 | EPA 300.0 Rev 2.1 1993 | 799073 | | |
| 92686947003 | MCD-DGWC-15 | EPA 300.0 Rev 2.1 1993 | 799073 | | |
| 92686947004 | MCD-DGWC-19 | EPA 300.0 Rev 2.1 1993 | 799073 | | |
| 92686947005 | MCD-DGWC-13 | EPA 300.0 Rev 2.1 1993 | 799073 | | |
| 92686947006 | MCD-AP234-FD-2 | EPA 300.0 Rev 2.1 1993 | 799073 | | |
| 92686947007 | MCD-AP234-FB-2 | EPA 300.0 Rev 2.1 1993 | 799073 | | |
| 92686947008 | MCD-AP234-EB-2 | EPA 300.0 Rev 2.1 1993 | 799073 | | |
| 92686947009 | MCD-DGWC-20 | EPA 300.0 Rev 2.1 1993 | 799598 | | |
| 92686947010 | MCD-DGWC-12 | EPA 300.0 Rev 2.1 1993 | 799598 | | |
| 92686947011 | MCD-DGWC-21 | EPA 300.0 Rev 2.1 1993 | 799598 | | |
| 92686947012 | MCD-DGWC-22 | EPA 300.0 Rev 2.1 1993 | 799598 | | |
| 92686947013 | MCD-DGWC-10 | EPA 300.0 Rev 2.1 1993 | 799598 | | |
| 92686947014 | MCD-DGWC-23 | EPA 300.0 Rev 2.1 1993 | 799598 | | |
| 92686947015 | MCD-AP234-FD-3 | EPA 300.0 Rev 2.1 1993 | 799598 | | |
| 92686947016 | MCD-AP234-FB-3 | EPA 300.0 Rev 2.1 1993 | 799598 | | |
| 92686947017 | MCD-AP234-EB-3 | EPA 300.0 Rev 2.1 1993 | 799599 | | |
| 92686947018 | MCD-DGWC-47 | EPA 300.0 Rev 2.1 1993 | 799599 | | |
| 92686947019 | MCD-DGWC-8 | EPA 300.0 Rev 2.1 1993 | 799599 | | |
| 92686947020 | MCD-DGWC-2 | EPA 300.0 Rev 2.1 1993 | 800156 | | |
| 92686947021 | MCD-DGWC-4 | EPA 300.0 Rev 2.1 1993 | 800156 | | |
| 92686947022 | MCD-DGWC-5 | EPA 300.0 Rev 2.1 1993 | 800156 | | |
| 92686947023 | MCD-DGWC-17 | EPA 300.0 Rev 2.1 1993 | 800156 | | |
| 92686947024 | MCD-DGWC-42 | EPA 300.0 Rev 2.1 1993 | 800156 | | |
| 92686947025 | MCD-DGWC-48 | EPA 300.0 Rev 2.1 1993 | 800156 | | |

REPORT OF LABORATORY ANALYSIS

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DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name: GA Power

Project #: WO#: 92686947



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

Custody Seal Present? Yes No Seals intact? Yes No

Date/Initials Person Examining Contents: 9/8/23

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

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

Cooler Temp: 4.1 Correction Factor: Add/Subtract (°C) 2.0

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

Cooler Temp Corrected (°C): 4.1

USDA Regulated Soil (N/A, water sample)

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



DC#_ Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LUHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

WO# : 92686947

PM: BV

Due Date: 09/25/23

CLIENT: 92-GA Power

| Item# | BP4U-125 mL Plastic Unpreserved (N/A) (Cl-) | BP3U-250 mL Plastic Unpreserved (N/A) | BP2U-500 mL Plastic Unpreserved (N/A) | BP1U-1 liter Plastic Unpreserved (N/A) | BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-) | BP3N-250 mL plastic HNO3 (pH < 2) | BP4Z-125 mL Plastic ZN Acetate & NaOH (>9) | BP4B-125 mL Plastic NaOH (pH > 12) (Cl-) | WG7U-Wide-mouthed Glass jar Unpreserved | AG1U-1 liter Amber Unpreserved (N/A) (Cl-) | AG1H-1 liter Amber HCl (pH < 2) | AG3U-250 mL Amber Unpreserved (N/A) (Cl-) | AG1S-1 liter Amber H2SO4 (pH < 2) | AG3S-250 mL Amber H2SO4 (pH < 2) | DG9A-40 mL Amber NH4Cl (N/A)(Cl-) | DG9H-40 mL VOA HCl (N/A) | VG9T-40 mL VOA Na2S2O3 (N/A) | VG9U-40 mL VOA Unpreserved (N/A) | DG9V-40 mL VOA H3PO4 (N/A) | KP7U-50 mL Plastic Unpreserved (N/A) | V/GK (3 vials per kit)-VPH/Gas kit (N/A) | SP5T-125 mL Sterile Plastic (N/A - lab) | SP2T-250 mL Sterile Plastic (N/A - lab) | BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7) | AG0U-100 mL Amber Unpreserved (N/A) (Cl-) | VSGU-20 mL Scintillation vials (N/A) | DG9U-40 mL Amber Unpreserved vials (N/A) | |
|-------|---|---------------------------------------|---------------------------------------|--|--|-----------------------------------|--|--|---|--|---------------------------------|---|-----------------------------------|----------------------------------|-----------------------------------|--------------------------|------------------------------|----------------------------------|----------------------------|--------------------------------------|--|---|---|---|---|--------------------------------------|--|--|
| 1 | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

pH Adjustment Log for Preserved Samples

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

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



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

| | | |
|--|--|-------------------------------------|
| Section A Required Client Information: | Section B Required Project Information: | Section C Invoice Information: |
| Company: Georgia Power - Coal Combustion Residuals | Report To: Lauren Coker | Attention: scalyvobas@southanco.com |
| Address: 2480 Niner Road Atlanta, GA 30359 | Copy To: WSP | Company Name: |
| Purchase Order #: <u> </u> | | Address: |
| Project Name: Plant McD AP-234 Well Network | | State / Location: GA |
| Requested Due Date: 10 Day TAT | | Project # #: 31408443.MCD23 |
| Project Profile #: | | Peace Project Manager: Bonnie Vang |

| ITEM # | MATRIX CODE (See Well Order for ID) | SAMPLE TYPE (See Well Order for ID) | DATE | TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Unpreserved - Ice | H2SO4 | HNO3 + H2O2 | HCl | NaOH + Zn Acetate | NASZCX | Mercuric | Other | Analysis Task | App. ENV + Mg, Na, K, Pb | Cl, F, SO4 | Radium 95139320 | TDS | Acidity | Sulfide | Residual Chloride (YAN) |
|--------|-------------------------------------|-------------------------------------|---------|-------|---------------------------|-----------------|-------------------|-------|-------------|-----|-------------------|--------|----------|-------|---------------|--------------------------|------------|-----------------|-----|---------|---------|-------------------------|
| 1 | MCD-DGWC-20 | G | 9/11/23 | 9:22 | | 7 | 3 | 3 | 1 | 1 | | | | | X | X | X | X | X | X | X | 009 |
| 2 | MCD-DGWC-12 | G | 9/11/23 | 10:10 | | 6 | 3 | 5 | 1 | 1 | | | | | X | X | X | X | X | X | X | 010 |
| 3 | MCD-DGWC-21 | G | 9/11/23 | 11:26 | | 7 | 3 | 3 | 1 | 1 | | | | | X | X | X | X | X | X | X | 011 |
| 4 | MCD-DGWC-22 | G | 9/11/23 | 13:19 | | 7 | 3 | 3 | 1 | 1 | | | | | X | X | X | X | X | X | X | 012 |
| 5 | MCD-DGWC-10 | G | 9/11/23 | 13:16 | | 7 | 3 | 3 | 1 | 1 | | | | | X | X | X | X | X | X | X | 013 |
| 6 | MCD-DGWC-23 | G | 9/11/23 | 14:39 | | 7 | 3 | 3 | 1 | 1 | | | | | X | X | X | X | X | X | X | 014 |
| 7 | MCD-AP234-FD-3 | G | 9/11/23 | - | | 7 | 3 | 3 | 1 | 1 | | | | | X | X | X | X | X | X | X | 015 |
| 8 | MCD-AP234-FB-3 | G | 9/11/23 | 10:05 | | 7 | 3 | 3 | 1 | 1 | | | | | X | X | X | X | X | X | X | 016 |
| 9 | MCD-AP234-EB-3 | G | 9/11/23 | 19:30 | | 7 | 3 | 3 | 1 | 1 | | | | | X | X | X | X | X | X | X | 017 |

| ADDITIONAL COMMENTS | RECEIVED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | SAMPLE CONDITIONS |
|--------------------------------|---------------------------|---------|------|---------------------------|---------|-------------------|
| at Code - MCD-CCR-ASSMT-2023S2 | MARK MANN WSP | 9/12/23 | 8:30 | CAM 534 | 9/12/23 | |
| | MAK 49 | | | | 9/22/23 | |



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

WA Power

Project #:

[Empty Project # box]

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

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 4-12-23 AY

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen?

Yes No N/A

Thermometer:

IR Gun ID: 0823

Type of Ice: Wet Blue None

Cooler Temp:

4.8

Correction Factor: Add/Subtract (°C)

0.0

Temp should be above freezing to 6°C

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

Cooler Temp Corrected (°C):

4.8

USDA Regulated Soil (N/A, water sample)

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____

Date/Time: _____

Project Manager SCURF Review: _____

Date: _____

Project Manager SRF Review: _____

Date: _____



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

| Item# | BP4U-125 mL Plastic Unpreserved (N/A) (Cl-) | BP3U-250 mL Plastic Unpreserved (N/A) | BP2U-500 mL Plastic Unpreserved (N/A) | BP1U-1 liter Plastic Unpreserved (N/A) | BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-) | BP3N-250 mL plastic HNO3 (pH < 2) | BP4Z-125 mL Plastic ZN Acetate & NaOH (>9) | BP4B-125 mL Plastic NaOH (pH > 12) (Cl-) | WGFU-Wide-mouthed Glass Jar Unpreserved | AG1U-1 liter Amber Unpreserved (N/A) (Cl-) | AG1H-1 liter Amber HCl (pH < 2) | AG3U-250 mL Amber Unpreserved (N/A) (Cl-) | AG1S-1 liter Amber H2SO4 (pH < 2) | AG3S-250 mL Amber H2SO4 (pH < 2) | DG94-40 mL Amber NH4Cl (N/A)(Cl-) | DG9H-40 mL VOA HCl (N/A) | VG9T-40 mL VOA Na2SO3 (N/A) | VG9U-40 mL VOA Unpreserved (N/A) | DG9V-40 mL VOA H3PO4 (N/A) | KP7U-50 mL Plastic Unpreserved (N/A) | V/GK (3 vials per kit)-VPH/Gas kit (N/A) | SP5T-125 mL Sterile Plastic (N/A - lab) | SP2T-250 mL Sterile Plastic (N/A - lab) | BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7) | AG8U-100 mL Amber Unpreserved (N/A) (Cl-) | V5GU-20 mL Scintillation vials (N/A) | DG9U-40 mL Amber Unpreserved vials (N/A) | | |
|-------|---|---------------------------------------|---------------------------------------|--|--|-----------------------------------|--|--|---|--|---------------------------------|---|-----------------------------------|----------------------------------|-----------------------------------|--------------------------|-----------------------------|----------------------------------|----------------------------|--------------------------------------|--|---|---|---|---|--------------------------------------|--|--|--|
| 1 | | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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

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



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

CA Power

Project #:

WO#: 92686947

PM: BV

Due Date: 09/25/23

CLIENT: 92-GA Power

Courier: Fed Ex UPS USPS Client Commercial Pace Other:

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 9-13-23 AW

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen?

Yes No N/A

Thermometer:

IR Gun ID:

083

Type of Ice:

Wet Blue None

Cooler Temp:

2.9

Correction Factor: Add/Subtract (°C)

0.0

Temp should be above freezing to 6°C

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

Cooler Temp Corrected (°C):

2.9

JSDA Regulated Soil (N/A, water sample)

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted:

Date/Time:

Project Manager SCURF Review:

Date:

Project Manager SRF Review:

Date:



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

WO#: 92686947

PM: BV

Due Date: 09/25/23

CLIENT: 92-GR Power

| Item# | BP4U-125 mL Plastic Unpreserved (N/A) (Cl-) | BP3U-250 mL Plastic Unpreserved (N/A) | BP2U-500 mL Plastic Unpreserved (N/A) | BP1U-1 liter Plastic Unpreserved (N/A) | BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-) | BP3N-250 mL plastic HNO3 (pH < 2) | BP4Z-125 mL Plastic ZN Acetate & NaOH (>9) | BP4B-125 mL Plastic NaOH (pH > 12) (Cl-) | WGJU-Wide-mouthed Glass jar Unpreserved | AG1U-1 liter Amber Unpreserved (N/A) (Cl-) | AG1H-1 liter Amber HCl (pH < 2) | AG3U-250 mL Amber Unpreserved (N/A) (Cl-) | AG1S-1 liter Amber H2SO4 (pH < 2) | AG3S-250 mL Amber H2SO4 (pH < 2) | DG94-40 mL Amber NH4Cl (N/A)(Cl-) | DG9H-40 mL VOA HCl (N/A) | VG9T-40 mL VOA Na2S2O3 (N/A) | VG9U-40 mL VOA Unpreserved (N/A) | DG9V-40 mL VOA H3PO4 (N/A) | KP7U-50 mL Plastic Unpreserved (N/A) | V/GK (3 vials per kit)-VPH/Gas kit (N/A) | SP5T-125 mL Sterile Plastic (N/A - lab) | SP2T-250 mL Sterile Plastic (N/A - lab) | BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7) | AG0U-100 mL Amber Unpreserved (N/A) (Cl-) | VSGU-20 mL Scintillation vials (N/A) | DG9U-40 mL Amber Unpreserved vials (N/A) | | |
|-------|---|---------------------------------------|---------------------------------------|--|--|-----------------------------------|--|--|---|--|---------------------------------|---|-----------------------------------|----------------------------------|-----------------------------------|--------------------------|------------------------------|----------------------------------|----------------------------|--------------------------------------|--|---|---|---|---|--------------------------------------|--|--|--|
| 1 | | 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

pH Adjustment Log for Preserved Samples

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

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

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.



| | | |
|--|--|--|
| Client A | Section B | Section C |
| Required Client Information: Company: Georgia Power - Coal Combustion Residuals Address: 2480 Mariner Road Atlanta, GA 30339 Tel: (470) 620-9178 Project Name: Plant McD AP-354 West Network Requested Due Date: 10 Day TAT | Required Project Information: Report To: Lauren Coker Copy To: WSP Purchase Order #: [Blank] Project Name: Plant McD AP-354 West Network Project #: 31609440.MCD23 | Invoice Information: Company Name: analynk@scsbusiness.com Address: [Blank] Face Project Manager: Borrie Vang Face Profile #: [Blank] |
| Regulatory Agency: [Blank] | State / Location: GA | 1 Of 1 |

| LINE # | MATRIX CODE (see field codes to left) | SAMPLE TYPE (see field codes to left) | DATE | TIME | SAMPLE TEMP AT COLLECTION | PRESERVATIVES | | | | | | | | | | | ACCEPTED BY / AFFILIATION | DATE | RECEIVED ON | RECEIVED BY | COUNTY | CHECKED | SAMPLE COLLECTIONS | | | | | |
|--------|---------------------------------------|---------------------------------------|---------|-------|---------------------------|-------------------|-------|------------|-----|-------------------|---------|----------|-------|--------------------------|------------|---------------------|---------------------------|------|-------------|-------------|--------|---------|--------------------|-----|----------|---------|--|--|
| | | | | | | UNPRESERVED - Ice | H2SO4 | HNO3 + Ice | HCl | NAOH + Zn Acetate | NaN2SO3 | None/Nil | Other | App. BIV + Mg, Na, K, Fe | Cu, F, SO4 | Mercuric (55138020) | | | | | | | | TDS | Asbestos | Sulfide | | |
| 1 | MCD-DQWC-47 | G | 9/12/23 | 11:26 | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | MCD-DQWC-8 | G | 9/12/23 | 11:12 | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

SAMPLE ID
One Character per box.
(A-Z, 0-9 / . -)
Sample IDs must be unique

Handwritten notes:
96699726
016
- 115
Extra Rads
M. DATE
9-17-23
9-17-23
DATE SIGNED: [Signature]

Additional Comments: MCD-GCR-ASSMT-2023S2



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Knoxville

Sample Condition Upon Receipt

Client Name: GA Power

Project # WO#: 92686947

Courier: Fed Ex UPS USPS Client Commercial Pace Other:

PM: BV Due Date: 09/25/23 CLIENT: 92-GA Power

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 9-14-23/MS

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer:

IR Gun ID: 0893 Type of Ice: Wet Blue None

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

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

Cooler Temp Corrected (°C): 3.9

USDA Regulated Soil (N/A, water sample)

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



Effective Date: 11/14/2022

WO#: 92686947

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

PM: BV

Due Date: 09/25/23

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

CLIENT: 92-GA Power

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

| Item# | BP4U-125 mL Plastic Unpreserved (N/A) (Cl-) | BP3U-250 mL Plastic Unpreserved (N/A) | BP2U-500 mL Plastic Unpreserved (N/A) | BP1U-1 liter Plastic Unpreserved (N/A) | BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-) | BP3N-250 mL plastic HNO3 (pH < 2) | BP4Z-125 mL Plastic ZN Acetate & NaOH (>9) | BP4B-125 mL Plastic NaOH (pH > 12) (Cl-) | WGFU-Wide-mouthed Glass jar Unpreserved | AG1U-1 liter Amber Unpreserved (N/A) (Cl-) | AG1H-1 liter Amber HCl (pH < 2) | AG3U-250 mL Amber Unpreserved (N/A) (Cl-) | AG1S-1 liter Amber H2SO4 (pH < 2) | AG3S-250 mL Amber H2SO4 (pH < 2) | DG94-40 mL Amber NH4Cl (N/A)(Cl-) | DG9H-40 mL VOA HCl (N/A) | VG9T-40 mL VOA Na2S2O3 (N/A) | VG9U-40 mL VOA Unpreserved (N/A) | DG9V-40 mL VOA H3PO4 (N/A) | KP7U-50 mL Plastic Unpreserved (N/A) | V/GK (3 vials per kit)-VPH/Gas kit (N/A) | SP5T-125 mL Sterile Plastic (N/A - lab) | SP2T-250 mL Sterile Plastic (N/A - lab) | BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7) | AG6U-100 mL Amber Unpreserved (N/A) (Cl-) | V5GU-20 mL Scintillation vials (N/A) | DG9U-40 mL Amber Unpreserved vials (N/A) | |
|-------|---|---------------------------------------|---------------------------------------|--|--|-----------------------------------|--|--|---|--|---------------------------------|---|-----------------------------------|----------------------------------|-----------------------------------|--------------------------|------------------------------|----------------------------------|----------------------------|--------------------------------------|--|---|---|---|---|--------------------------------------|--|--|
| 1 | | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

pH Adjustment Log for Preserved Samples

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

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



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

| | | |
|--|--|---|
| Section A | Section B | Section C |
| Required Client Information: Company: Georgia Power - Coal Combustion Residuals Attn: Lauren Coker Copy To: WSP Atlanta, GA 30338 (470) 620-6178 10 Day TAT | Required Project Information: Report To: Lauren Coker Company Name: es@invoicex.com Address: Plant McD AP-234 Well Network Project Name: Project #: 31405440 MCD23 | Invoice Information: Attention: es@invoicex.com Invoice #: Date: Regulatory Agency: State / Location: GA |

| ITEM # | MATRIX CODE (see yield codes to left) | SAMPLE TYPE (G-GRAB C-COMP) | DATE | TIME | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TEMP °C | Received on | Ice (Y/N) | Sealed | Cooler | Samples |
|--------|---------------------------------------|-----------------------------|---------|-------|------|------|---------------------------|------|---------|-------------|-----------|--------|--------|---------|
| | | | | | | | | | | | | | | |
| 1 | MCD-DGWC-2 | G | 9/13/23 | 10:48 | | | | | | | | | | |
| 2 | MCD-DGWC-4 | G | 9/13/23 | 14:54 | | | | | | | | | | |
| 3 | MCD-DGWC-5 | G | 9/13/23 | 10:38 | | | | | | | | | | |
| 4 | MCD-DGWC-17 | G | 9/13/23 | 12:20 | | | | | | | | | | |
| 5 | MCD-DGWC-42 | G | 9/13/23 | 14:47 | | | | | | | | | | |
| 6 | MCD-DGWC-48 | G | 9/13/23 | 10:20 | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | |



October 10, 2023

Lauren Hartley
Southern Co.
241 Ralph McGill Blvd
NE, Bin 10160
Atlanta, GA 30308

RE: Project: Plant McD AP-234 Well Net- RAD
Pace Project No.: 92686980

Dear Lauren Hartley:

Enclosed are the analytical results for sample(s) received by the laboratory between September 08, 2023 and September 14, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Greensburg

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

Sincerely,

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

Enclosures

cc: Yong Cheng, WSP
Daniela Herrera, Golder
Andrea McClure, WSP
Laura Midkiff, Southern Co.
Dawn Prell, WSP USA E&I Inc_Atlanta



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Plant McD AP-234 Well Net- RAD

Pace Project No.: 92686980

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601

ANAB DOD-ELAP Rad Accreditation #: L2417

ANABISO/IEC 17025:2017 Rad Cert#: L24170

Alabama Certification #: 41590

Arizona Certification #: AZ0734

Arkansas Certification

California Certification #: 2950

Colorado Certification #: PA01547

Connecticut Certification #: PH-0694

EPA Region 4 DW Rad

Florida/TNI Certification #: E87683

Georgia Certification #: C040

Guam Certification

Hawaii Certification

Idaho Certification

Illinois Certification

Indiana Certification

Iowa Certification #: 391

Kansas Certification #: E-10358

Kentucky Certification #: KY90133

KY WW Permit #: KY0098221

KY WW Permit #: KY0000221

Louisiana DHH/TNI Certification #: LA010

Louisiana DEQ/TNI Certification #: 04086

Maine Certification #: 2023021

Maryland Certification #: 308

Massachusetts Certification #: M-PA1457

Michigan/PADEP Certification #: 9991

Missouri Certification #: 235

Montana Certification #: Cert0082

Nebraska Certification #: NE-OS-29-14

Nevada Certification #: PA014572023-03

New Hampshire/TNI Certification #: 297622

New Jersey/TNI Certification #: PA051

New Mexico Certification #: PA01457

New York/TNI Certification #: 10888

North Carolina Certification #: 42706

North Dakota Certification #: R-190

Ohio EPA Rad Approval: #41249

Oregon/TNI Certification #: PA200002-015

Pennsylvania/TNI Certification #: 65-00282

Puerto Rico Certification #: PA01457

Rhode Island Certification #: 65-00282

South Dakota Certification

Tennessee Certification #: TN02867

Texas/TNI Certification #: T104704188-22-18

Utah/TNI Certification #: PA014572223-14

USDA Soil Permit #: 525-23-67-77263

Vermont Dept. of Health: ID# VT-0282

Virgin Island/PADEP Certification

Virginia/VELAP Certification #: 460198

Washington Certification #: C868

West Virginia DEP Certification #: 143

West Virginia DHHR Certification #: 9964C

Wisconsin Approve List for Rad

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Plant McD AP-234 Well Net- RAD

Pace Project No.: 92686980

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|----------------|--------|----------------|----------------|
| 92686980001 | MCD-DGWC-14 | Water | 09/08/23 08:57 | 09/08/23 15:50 |
| 92686980002 | MCD-DGWC-11 | Water | 09/08/23 09:25 | 09/08/23 15:50 |
| 92686980003 | MCD-DGWC-15 | Water | 09/08/23 10:25 | 09/08/23 15:50 |
| 92686980004 | MCD-DGWC-19 | Water | 09/08/23 11:44 | 09/08/23 15:50 |
| 92686980005 | MCD-DGWC-13 | Water | 09/08/23 12:00 | 09/08/23 15:50 |
| 92686980006 | MCD-AP234-FD-2 | Water | 09/08/23 00:00 | 09/08/23 15:50 |
| 92686980007 | MCD-AP234-FB-2 | Water | 09/08/23 12:20 | 09/08/23 15:50 |
| 92686980008 | MCD-AP234-EB-2 | Water | 09/08/23 12:30 | 09/08/23 15:50 |
| 92686980009 | MCD-DGWC-20 | Water | 09/11/23 09:22 | 09/12/23 08:30 |
| 92686980010 | MCD-DGWC-12 | Water | 09/11/23 10:10 | 09/12/23 08:30 |
| 92686980011 | MCD-DGWC-21 | Water | 09/11/23 11:26 | 09/12/23 08:30 |
| 92686980012 | MCD-DGWC-22 | Water | 09/11/23 13:19 | 09/12/23 08:30 |
| 92686980013 | MCD-DGWC-10 | Water | 09/11/23 13:15 | 09/12/23 08:30 |
| 92686980014 | MCD-DGWC-23 | Water | 09/11/23 14:39 | 09/12/23 08:30 |
| 92686980015 | MCD-AP234-FD-3 | Water | 09/11/23 00:00 | 09/12/23 08:30 |
| 92686980016 | MCD-AP234-FB-3 | Water | 09/11/23 10:05 | 09/12/23 08:30 |
| 92686980017 | MCD-AP234-EB-3 | Water | 09/11/23 15:30 | 09/12/23 08:30 |
| 92686980018 | MCD-DGWC-47 | Water | 09/12/23 11:28 | 09/13/23 08:36 |
| 92686980019 | MCD-DGWC-8 | Water | 09/12/23 11:12 | 09/13/23 08:36 |
| 92686980020 | MCD-DGWC-2 | Water | 09/13/23 10:48 | 09/14/23 14:22 |
| 92686980021 | MCD-DGWC-4 | Water | 09/13/23 14:54 | 09/14/23 14:22 |
| 92686980022 | MCD-DGWC-5 | Water | 09/13/23 10:38 | 09/14/23 14:22 |
| 92686980023 | MCD-DGWC-17 | Water | 09/13/23 12:20 | 09/14/23 14:22 |
| 92686980024 | MCD-DGWC-42 | Water | 09/13/23 14:47 | 09/14/23 14:22 |
| 92686980025 | MCD-DGWC-48 | Water | 09/13/23 10:20 | 09/14/23 14:22 |

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Plant McD AP-234 Well Net- RAD

Pace Project No.: 92686980

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|-------------|----------------|--------------------------|----------|-------------------|------------|
| 92686980001 | MCD-DGWC-14 | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | ZPC | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| 92686980002 | MCD-DGWC-11 | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | ZPC | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| 92686980003 | MCD-DGWC-15 | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | ZPC | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| 92686980004 | MCD-DGWC-19 | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | ZPC | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| 92686980005 | MCD-DGWC-13 | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | ZPC | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| 92686980006 | MCD-AP234-FD-2 | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | ZPC | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| 92686980007 | MCD-AP234-FB-2 | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | ZPC | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| 92686980008 | MCD-AP234-EB-2 | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | ZPC | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| 92686980009 | MCD-DGWC-20 | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | ZPC | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| 92686980010 | MCD-DGWC-12 | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | ZPC | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| 92686980011 | MCD-DGWC-21 | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | ZPC | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| 92686980012 | MCD-DGWC-22 | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | ZPC | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| 92686980013 | MCD-DGWC-10 | EPA 9315 | SLC | 1 | PASI-PA |

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Plant McD AP-234 Well Net- RAD

Pace Project No.: 92686980

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|-------------|----------------|--------------------------|----------|-------------------|------------|
| 92686980014 | MCD-DGWC-23 | EPA 9320 | ZPC | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| | | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | ZPC | 1 | PASI-PA |
| 92686980015 | MCD-AP234-FD-3 | Total Radium Calculation | LAL | 1 | PASI-PA |
| | | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | ZPC | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| 92686980016 | MCD-AP234-FB-3 | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | ZPC | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| | | EPA 9315 | SLC | 1 | PASI-PA |
| 92686980017 | MCD-AP234-EB-3 | EPA 9320 | ZPC | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| | | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | ZPC | 1 | PASI-PA |
| 92686980018 | MCD-DGWC-47 | Total Radium Calculation | LAL | 1 | PASI-PA |
| | | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | ZPC | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| 92686980019 | MCD-DGWC-8 | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | ZPC | 1 | PASI-PA |
| | | Total Radium Calculation | LAL | 1 | PASI-PA |
| | | EPA 9315 | SLC | 1 | PASI-PA |
| 92686980020 | MCD-DGWC-2 | EPA 9320 | ZPC | 1 | PASI-PA |
| | | Total Radium Calculation | ERT | 1 | PASI-PA |
| | | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | ZPC | 1 | PASI-PA |
| 92686980021 | MCD-DGWC-4 | Total Radium Calculation | ERT | 1 | PASI-PA |
| | | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | ZPC | 1 | PASI-PA |
| | | Total Radium Calculation | ERT | 1 | PASI-PA |
| 92686980022 | MCD-DGWC-5 | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | ZPC | 1 | PASI-PA |
| | | Total Radium Calculation | ERT | 1 | PASI-PA |
| | | EPA 9315 | SLC | 1 | PASI-PA |
| 92686980023 | MCD-DGWC-17 | EPA 9320 | ZPC | 1 | PASI-PA |
| | | Total Radium Calculation | ERT | 1 | PASI-PA |
| | | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | ZPC | 1 | PASI-PA |
| 92686980024 | MCD-DGWC-42 | Total Radium Calculation | ERT | 1 | PASI-PA |
| | | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | ZPC | 1 | PASI-PA |
| | | Total Radium Calculation | ERT | 1 | PASI-PA |
| 92686980025 | MCD-DGWC-48 | EPA 9315 | SLC | 1 | PASI-PA |
| | | EPA 9320 | ZPC | 1 | PASI-PA |
| | | Total Radium Calculation | ERT | 1 | PASI-PA |

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SAMPLE ANALYTE COUNT

Project: Plant McD AP-234 Well Net- RAD
Pace Project No.: 92686980

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|--------|-----------|--------------------------|----------|-------------------|------------|
| | | Total Radium Calculation | ERT | 1 | PASI-PA |

PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Well Net- RAD

Pace Project No.: 92686980

| | | | | |
|----------------------------|----------------------------|---------------------------|--------------------------|---------------|
| Sample: MCD-DGWC-14 | Lab ID: 92686980001 | Collected: 09/08/23 08:57 | Received: 09/08/23 15:50 | Matrix: Water |
| PWS: | Site ID: | Sample Type: | | |

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|--------------|---------------------------------------|---|-------|----------------|------------|------|
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.378 ± 0.172 (0.225) C:82% T:NA | pCi/L | 10/02/23 13:17 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 0.372U ± 0.314 (0.625) C:83% T:86% | pCi/L | 09/26/23 12:28 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 0.750U ± 0.486 (0.850) | pCi/L | 10/03/23 15:18 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Well Net- RAD

Pace Project No.: 92686980

Sample: MCD-DGWC-11 **Lab ID: 92686980002** Collected: 09/08/23 09:25 Received: 09/08/23 15:50 Matrix: Water
 PWS: Site ID: Sample Type:

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|--------------|---------------------------------------|--|-------|----------------|------------|------|
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.149U ± 0.118 (0.209) C:88% T:NA | pCi/L | 10/02/23 13:17 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 1.05 ± 0.446 (0.712) C:77% T:80% | pCi/L | 09/26/23 12:28 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 1.20 ± 0.564 (0.921) | pCi/L | 10/03/23 15:18 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Well Net- RAD

Pace Project No.: 92686980

| | | | | |
|----------------------------|----------------------------|---------------------------|--------------------------|---------------|
| Sample: MCD-DGWC-15 | Lab ID: 92686980003 | Collected: 09/08/23 10:25 | Received: 09/08/23 15:50 | Matrix: Water |
| PWS: | Site ID: | Sample Type: | | |

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|--------------|---------------------------------------|---|-------|----------------|------------|------|
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.197U ± 0.133 (0.223) C:84% T:NA | pCi/L | 10/02/23 13:18 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 0.476U ± 0.338 (0.642) C:74% T:81% | pCi/L | 09/26/23 12:29 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 0.673U ± 0.471 (0.865) | pCi/L | 10/03/23 15:18 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Well Net- RAD

Pace Project No.: 92686980

Sample: MCD-DGWC-19 **Lab ID: 92686980004** Collected: 09/08/23 11:44 Received: 09/08/23 15:50 Matrix: Water
 PWS: Site ID: Sample Type:

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|--------------|---------------------------------------|---|-------|----------------|------------|------|
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.154U ± 0.114 (0.195) C:97% T:NA | pCi/L | 10/02/23 13:18 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 0.217U ± 0.284 (0.605) C:79% T:87% | pCi/L | 09/26/23 12:29 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 0.371U ± 0.398 (0.800) | pCi/L | 10/03/23 15:18 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Well Net- RAD

Pace Project No.: 92686980

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|--|---------------------------------------|---|-------|----------------|------------|------|
| Sample: MCD-DGWC-13 Lab ID: 92686980005 Collected: 09/08/23 12:00 Received: 09/08/23 15:50 Matrix: Water PWS: Site ID: Sample Type: | | | | | | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.272 ± 0.157 (0.240) C:81% T:NA | pCi/L | 10/02/23 13:18 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 0.499U ± 0.383 (0.750) C:77% T:80% | pCi/L | 09/26/23 12:29 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 0.771U ± 0.540 (0.990) | pCi/L | 10/03/23 15:18 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Well Net- RAD

Pace Project No.: 92686980

Sample: MCD-AP234-FD-2 **Lab ID: 92686980006** Collected: 09/08/23 00:00 Received: 09/08/23 15:50 Matrix: Water
 PWS: Site ID: Sample Type:

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|--------------|---------------------------------------|---|-------|----------------|------------|------|
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.199 ± 0.112 (0.163) C:115% T:NA | pCi/L | 10/02/23 13:20 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 0.418U ± 0.444 (0.931) C:79% T:79% | pCi/L | 09/26/23 12:29 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 0.617U ± 0.556 (1.09) | pCi/L | 10/03/23 15:18 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Well Net- RAD

Pace Project No.: 92686980

Sample: MCD-AP234-FB-2 **Lab ID: 92686980007** Collected: 09/08/23 12:20 Received: 09/08/23 15:50 Matrix: Water
 PWS: Site ID: Sample Type:

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|--------------|---------------------------------------|--|-------|----------------|------------|------|
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.0274U ± 0.0918 (0.226) C:88% T:NA | pCi/L | 10/02/23 13:20 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 0.421U ± 0.403 (0.829) C:77% T:82% | pCi/L | 09/26/23 12:29 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 0.448U ± 0.495 (1.06) | pCi/L | 10/03/23 15:18 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Well Net- RAD

Pace Project No.: 92686980

Sample: MCD-AP234-EB-2 **Lab ID: 92686980008** Collected: 09/08/23 12:30 Received: 09/08/23 15:50 Matrix: Water
PWS: Site ID: Sample Type:

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|--------------|---------------------------------------|---|-------|----------------|------------|------|
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.105U ± 0.129 (0.266) C:59% T:NA | pCi/L | 10/02/23 13:20 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 0.163U ± 0.335 (0.739) C:79% T:91% | pCi/L | 09/26/23 12:29 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 0.268U ± 0.464 (1.01) | pCi/L | 10/03/23 15:18 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Well Net- RAD

Pace Project No.: 92686980

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|--|---------------------------------------|--|-------|----------------|------------|------|
| Sample: MCD-DGWC-20 Lab ID: 92686980009 Collected: 09/11/23 09:22 Received: 09/12/23 08:30 Matrix: Water PWS: Site ID: Sample Type: | | | | | | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.136U ± 0.137 (0.265) C:72% T:NA | pCi/L | 10/04/23 08:15 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 1.31 ± 0.573 (0.969) C:75% T:77% | pCi/L | 09/27/23 11:50 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 1.45 ± 0.710 (1.23) | pCi/L | 10/05/23 10:58 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Well Net- RAD

Pace Project No.: 92686980

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|--|---------------------------------------|--|-------|----------------|------------|------|
| Sample: MCD-DGWC-12 Lab ID: 92686980010 Collected: 09/11/23 10:10 Received: 09/12/23 08:30 Matrix: Water PWS: Site ID: Sample Type: | | | | | | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.219U ± 0.151 (0.255) C:87% T:NA | pCi/L | 10/04/23 08:15 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 0.805 ± 0.425 (0.754) C:79% T:78% | pCi/L | 09/27/23 11:50 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 1.02 ± 0.576 (1.01) | pCi/L | 10/05/23 10:58 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Well Net- RAD

Pace Project No.: 92686980

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|--|---------------------------------------|---|-------|----------------|------------|------|
| Sample: MCD-DGWC-21 Lab ID: 92686980011 Collected: 09/11/23 11:26 Received: 09/12/23 08:30 Matrix: Water PWS: Site ID: Sample Type: | | | | | | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.138U ± 0.127 (0.246) C:89% T:NA | pCi/L | 10/04/23 08:16 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 0.291U ± 0.358 (0.757) C:77% T:75% | pCi/L | 09/27/23 11:50 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 0.429U ± 0.485 (1.00) | pCi/L | 10/05/23 10:58 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Well Net- RAD

Pace Project No.: 92686980

Sample: MCD-DGWC-22 **Lab ID: 92686980012** Collected: 09/11/23 13:19 Received: 09/12/23 08:30 Matrix: Water
 PWS: Site ID: Sample Type:

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|--------------|---------------------------------------|---|-------|----------------|------------|------|
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.272 ± 0.156 (0.238) C:89% T:NA | pCi/L | 10/04/23 08:16 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 0.308U ± 0.351 (0.731) C:64% T:84% | pCi/L | 09/27/23 11:50 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 0.580U ± 0.507 (0.969) | pCi/L | 10/05/23 10:58 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Well Net- RAD

Pace Project No.: 92686980

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|--|---------------------------------------|---|-------|----------------|------------|------|
| Sample: MCD-DGWC-10 Lab ID: 92686980013 Collected: 09/11/23 13:15 Received: 09/12/23 08:30 Matrix: Water PWS: Site ID: Sample Type: | | | | | | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.376 ± 0.177 (0.255) C:96% T:NA | pCi/L | 10/04/23 08:17 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 0.711U ± 0.403 (0.723) C:75% T:80% | pCi/L | 09/27/23 11:50 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 1.09 ± 0.580 (0.978) | pCi/L | 10/05/23 10:58 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Well Net- RAD

Pace Project No.: 92686980

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|--|--------------------------|--|-------|----------------|------------|------|
| Sample: MCD-DGWC-23 Lab ID: 92686980014 Collected: 09/11/23 14:39 Received: 09/12/23 08:30 Matrix: Water PWS: Site ID: Sample Type: | | | | | | |
| Pace Analytical Services - Greensburg | | | | | | |
| Radium-226 | EPA 9315 | 0.407 ± 0.176 (0.206) C:89% T:NA | pCi/L | 10/04/23 08:17 | 13982-63-3 | |
| Pace Analytical Services - Greensburg | | | | | | |
| Radium-228 | EPA 9320 | 0.869 ± 0.451 (0.789) C:73% T:75% | pCi/L | 09/27/23 11:50 | 15262-20-1 | |
| Pace Analytical Services - Greensburg | | | | | | |
| Total Radium | Total Radium Calculation | 1.28 ± 0.627 (0.995) | pCi/L | 10/05/23 10:58 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Well Net- RAD

Pace Project No.: 92686980

Sample: MCD-AP234-FD-3 **Lab ID: 92686980015** Collected: 09/11/23 00:00 Received: 09/12/23 08:30 Matrix: Water
 PWS: Site ID: Sample Type:

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|--------------|---------------------------------------|---|-------|----------------|------------|------|
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.0570U ± 0.133 (0.313) C:74% T:NA | pCi/L | 10/04/23 08:17 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 0.296U ± 0.314 (0.648) C:74% T:79% | pCi/L | 09/27/23 11:50 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 0.353U ± 0.447 (0.961) | pCi/L | 10/05/23 10:58 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Well Net- RAD

Pace Project No.: 92686980

Sample: MCD-AP234-FB-3 **Lab ID: 92686980016** Collected: 09/11/23 10:05 Received: 09/12/23 08:30 Matrix: Water
 PWS: Site ID: Sample Type:

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|--------------|---------------------------------------|---|-------|----------------|------------|------|
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.0672U ± 0.130 (0.298) C:79% T:NA | pCi/L | 10/04/23 08:18 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 0.329U ± 0.314 (0.639) C:74% T:87% | pCi/L | 09/27/23 11:50 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 0.396U ± 0.444 (0.937) | pCi/L | 10/05/23 10:58 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Well Net- RAD

Pace Project No.: 92686980

Sample: MCD-AP234-EB-3 **Lab ID: 92686980017** Collected: 09/11/23 15:30 Received: 09/12/23 08:30 Matrix: Water
 PWS: Site ID: Sample Type:

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|--------------|---------------------------------------|--|-------|----------------|------------|------|
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.0753U ± 0.114 (0.251) C:84% T:NA | pCi/L | 10/04/23 08:18 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 0.0262U ± 0.308 (0.714) C:77% T:83% | pCi/L | 09/27/23 11:50 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 0.102U ± 0.422 (0.965) | pCi/L | 10/05/23 10:58 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Well Net- RAD

Pace Project No.: 92686980

Sample: MCD-DGWC-47 **Lab ID: 92686980018** Collected: 09/12/23 11:28 Received: 09/13/23 08:36 Matrix: Water
 PWS: Site ID: Sample Type:

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|--------------|---------------------------------------|---|-------|----------------|------------|------|
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.572 ± 0.225 (0.268) C:82% T:NA | pCi/L | 10/04/23 08:21 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 1.62 ± 0.595 (0.924) C:74% T:84% | pCi/L | 09/27/23 11:51 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 2.19 ± 0.820 (1.19) | pCi/L | 10/05/23 11:03 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Well Net- RAD

Pace Project No.: 92686980

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|---|---------------------------------------|---|-------|----------------|------------|------|
| Sample: MCD-DGWC-8 Lab ID: 92686980019 Collected: 09/12/23 11:12 Received: 09/13/23 08:36 Matrix: Water PWS: Site ID: Sample Type: | | | | | | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.251 ± 0.154 (0.246) C:84% T:NA | pCi/L | 10/04/23 18:28 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 0.379U ± 0.408 (0.853) C:74% T:82% | pCi/L | 09/27/23 11:51 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 0.630U ± 0.562 (1.10) | pCi/L | 10/06/23 14:33 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Well Net- RAD

Pace Project No.: 92686980

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|---|---------------------------------------|---|-------|----------------|------------|------|
| Sample: MCD-DGWC-2 Lab ID: 92686980020 Collected: 09/13/23 10:48 Received: 09/14/23 14:22 Matrix: Water PWS: Site ID: Sample Type: | | | | | | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.648 ± 0.212 (0.169) C:90% T:NA | pCi/L | 10/04/23 18:29 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 0.216U ± 0.375 (0.818) C:74% T:86% | pCi/L | 09/27/23 11:51 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 0.864U ± 0.587 (0.987) | pCi/L | 10/06/23 14:33 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Well Net- RAD

Pace Project No.: 92686980

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|---|---------------------------------------|---|-------|----------------|------------|------|
| Sample: MCD-DGWC-4 Lab ID: 92686980021 Collected: 09/13/23 14:54 Received: 09/14/23 14:22 Matrix: Water PWS: Site ID: Sample Type: | | | | | | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.470 ± 0.198 (0.262) C:89% T:NA | pCi/L | 10/04/23 18:29 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 0.494U ± 0.436 (0.886) C:77% T:80% | pCi/L | 09/27/23 11:52 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 0.964U ± 0.634 (1.15) | pCi/L | 10/06/23 14:33 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Well Net- RAD

Pace Project No.: 92686980

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|---|---------------------------------------|--|-------|----------------|------------|------|
| Sample: MCD-DGWC-5 Lab ID: 92686980022 Collected: 09/13/23 10:38 Received: 09/14/23 14:22 Matrix: Water PWS: Site ID: Sample Type: | | | | | | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.471 ± 0.191 (0.209) C:83% T:NA | pCi/L | 10/04/23 18:30 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 0.754U ± 0.535 (1.06) C:75% T:81% | pCi/L | 09/27/23 15:16 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 1.23U ± 0.726 (1.27) | pCi/L | 10/06/23 14:33 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Well Net- RAD

Pace Project No.: 92686980

Sample: MCD-DGWC-17 **Lab ID: 92686980023** Collected: 09/13/23 12:20 Received: 09/14/23 14:22 Matrix: Water
 PWS: Site ID: Sample Type:

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|--------------|---------------------------------------|---|-------|----------------|------------|------|
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.338U ± 0.226 (0.393) C:87% T:NA | pCi/L | 10/04/23 18:30 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 0.686U ± 0.501 (0.986) C:72% T:82% | pCi/L | 09/27/23 15:16 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 1.02U ± 0.727 (1.38) | pCi/L | 10/06/23 14:33 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Well Net- RAD

Pace Project No.: 92686980

Sample: MCD-DGWC-42 **Lab ID: 92686980024** Collected: 09/13/23 14:47 Received: 09/14/23 14:22 Matrix: Water
 PWS: Site ID: Sample Type:

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|--------------|---------------------------------------|---|-------|----------------|------------|------|
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.259 ± 0.148 (0.220) C:95% T:NA | pCi/L | 10/04/23 18:46 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 1.33 ± 0.598 (1.01) C:72% T:80% | pCi/L | 09/27/23 15:16 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 1.59 ± 0.746 (1.23) | pCi/L | 10/06/23 14:33 | 7440-14-4 | |

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Plant McD AP-234 Well Net- RAD

Pace Project No.: 92686980

Sample: MCD-DGWC-48 **Lab ID: 92686980025** Collected: 09/13/23 10:20 Received: 09/14/23 14:22 Matrix: Water
 PWS: Site ID: Sample Type:

| Parameters | Method | Act ± Unc (MDC) Carr Trac | Units | Analyzed | CAS No. | Qual |
|--------------|---------------------------------------|--|-------|----------------|------------|------|
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-226 | EPA 9315 | 0.211U ± 0.149 (0.262) C:89% T:NA | pCi/L | 10/05/23 08:23 | 13982-63-3 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Radium-228 | EPA 9320 | 1.01U ± 0.558 (1.02) C:74% T:81% | pCi/L | 09/27/23 15:16 | 15262-20-1 | |
| | Pace Analytical Services - Greensburg | | | | | |
| Total Radium | Total Radium Calculation | 1.22U ± 0.707 (1.28) | pCi/L | 10/06/23 14:33 | 7440-14-4 | |

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant McD AP-234 Well Net- RAD

Pace Project No.: 92686980

| | | | |
|------------------|----------|-----------------------|---------------------------------------|
| QC Batch: | 615444 | Analysis Method: | EPA 9315 |
| QC Batch Method: | EPA 9315 | Analysis Description: | 9315 Total Radium |
| | | Laboratory: | Pace Analytical Services - Greensburg |

Associated Lab Samples: 92686980001, 92686980002, 92686980003, 92686980004, 92686980005, 92686980006, 92686980007, 92686980008

METHOD BLANK: 2997136 Matrix: Water

Associated Lab Samples: 92686980001, 92686980002, 92686980003, 92686980004, 92686980005, 92686980006, 92686980007, 92686980008

| Parameter | Act ± Unc (MDC) Carr Trac | Units | Analyzed | Qualifiers |
|------------|----------------------------------|-------|----------------|------------|
| Radium-226 | 0.131 ± 0.132 (0.266) C:78% T:NA | pCi/L | 10/02/23 13:17 | |

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant McD AP-234 Well Net- RAD

Pace Project No.: 92686980

| | | | |
|------------------|----------|-----------------------|---------------------------------------|
| QC Batch: | 616172 | Analysis Method: | EPA 9315 |
| QC Batch Method: | EPA 9315 | Analysis Description: | 9315 Total Radium |
| | | Laboratory: | Pace Analytical Services - Greensburg |

Associated Lab Samples: 92686980009, 92686980010, 92686980011, 92686980012, 92686980013, 92686980014, 92686980015, 92686980016, 92686980017, 92686980018

METHOD BLANK: 3000655 Matrix: Water

Associated Lab Samples: 92686980009, 92686980010, 92686980011, 92686980012, 92686980013, 92686980014, 92686980015, 92686980016, 92686980017, 92686980018

| Parameter | Act ± Unc (MDC) Carr Trac | Units | Analyzed | Qualifiers |
|------------|-----------------------------------|-------|----------------|------------|
| Radium-226 | 0.0455 ± 0.105 (0.248) C:93% T:NA | pCi/L | 10/04/23 08:14 | |

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant McD AP-234 Well Net- RAD

Pace Project No.: 92686980

| | | | |
|------------------|----------|-----------------------|---------------------------------------|
| QC Batch: | 615445 | Analysis Method: | EPA 9320 |
| QC Batch Method: | EPA 9320 | Analysis Description: | 9320 Radium 228 |
| | | Laboratory: | Pace Analytical Services - Greensburg |

Associated Lab Samples: 92686980001, 92686980002, 92686980003, 92686980004, 92686980005, 92686980006, 92686980007, 92686980008

METHOD BLANK: 2997141 Matrix: Water

Associated Lab Samples: 92686980001, 92686980002, 92686980003, 92686980004, 92686980005, 92686980006, 92686980007, 92686980008

| Parameter | Act ± Unc (MDC) Carr Trac | Units | Analyzed | Qualifiers |
|------------|-----------------------------------|-------|----------------|------------|
| Radium-228 | 0.465 ± 0.323 (0.609) C:77% T:85% | pCi/L | 09/26/23 12:28 | |

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant McD AP-234 Well Net- RAD

Pace Project No.: 92686980

| | | | |
|------------------|----------|-----------------------|---------------------------------------|
| QC Batch: | 616400 | Analysis Method: | EPA 9320 |
| QC Batch Method: | EPA 9320 | Analysis Description: | 9320 Radium 228 |
| | | Laboratory: | Pace Analytical Services - Greensburg |

Associated Lab Samples: 92686980009, 92686980010, 92686980011, 92686980012, 92686980013, 92686980014, 92686980015, 92686980016, 92686980017, 92686980018, 92686980019, 92686980020, 92686980021, 92686980022, 92686980023, 92686980024, 92686980025

| | | | |
|---------------|---------|---------|-------|
| METHOD BLANK: | 3001828 | Matrix: | Water |
|---------------|---------|---------|-------|

Associated Lab Samples: 92686980009, 92686980010, 92686980011, 92686980012, 92686980013, 92686980014, 92686980015, 92686980016, 92686980017, 92686980018, 92686980019, 92686980020, 92686980021, 92686980022, 92686980023, 92686980024, 92686980025

| Parameter | Act ± Unc (MDC) Carr Trac | Units | Analyzed | Qualifiers |
|------------|-----------------------------------|-------|----------------|------------|
| Radium-228 | 0.135 ± 0.306 (0.681) C:74% T:79% | pCi/L | 09/27/23 11:49 | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Plant McD AP-234 Well Net- RAD

Pace Project No.: 92686980

| | | | |
|------------------|----------|-----------------------|---------------------------------------|
| QC Batch: | 616760 | Analysis Method: | EPA 9315 |
| QC Batch Method: | EPA 9315 | Analysis Description: | 9315 Total Radium |
| | | Laboratory: | Pace Analytical Services - Greensburg |

Associated Lab Samples: 92686980019, 92686980020, 92686980021, 92686980022, 92686980023, 92686980024, 92686980025

METHOD BLANK: 3003588 Matrix: Water

Associated Lab Samples: 92686980019, 92686980020, 92686980021, 92686980022, 92686980023, 92686980024, 92686980025

| Parameter | Act ± Unc (MDC) Carr Trac | Units | Analyzed | Qualifiers |
|------------|-----------------------------------|-------|----------------|------------|
| Radium-226 | 0.0109 ± 0.102 (0.265) C:89% T:NA | pCi/L | 10/04/23 18:28 | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Plant McD AP-234 Well Net- RAD

Pace Project No.: 92686980

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

Act - Activity

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

Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

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

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant McD AP-234 Well Net- RAD

Pace Project No.: 92686980

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|----------------|-----------------|----------|-------------------|------------------|
| 92686980001 | MCD-DGWC-14 | EPA 9315 | 615444 | | |
| 92686980002 | MCD-DGWC-11 | EPA 9315 | 615444 | | |
| 92686980003 | MCD-DGWC-15 | EPA 9315 | 615444 | | |
| 92686980004 | MCD-DGWC-19 | EPA 9315 | 615444 | | |
| 92686980005 | MCD-DGWC-13 | EPA 9315 | 615444 | | |
| 92686980006 | MCD-AP234-FD-2 | EPA 9315 | 615444 | | |
| 92686980007 | MCD-AP234-FB-2 | EPA 9315 | 615444 | | |
| 92686980008 | MCD-AP234-EB-2 | EPA 9315 | 615444 | | |
| 92686980009 | MCD-DGWC-20 | EPA 9315 | 616172 | | |
| 92686980010 | MCD-DGWC-12 | EPA 9315 | 616172 | | |
| 92686980011 | MCD-DGWC-21 | EPA 9315 | 616172 | | |
| 92686980012 | MCD-DGWC-22 | EPA 9315 | 616172 | | |
| 92686980013 | MCD-DGWC-10 | EPA 9315 | 616172 | | |
| 92686980014 | MCD-DGWC-23 | EPA 9315 | 616172 | | |
| 92686980015 | MCD-AP234-FD-3 | EPA 9315 | 616172 | | |
| 92686980016 | MCD-AP234-FB-3 | EPA 9315 | 616172 | | |
| 92686980017 | MCD-AP234-EB-3 | EPA 9315 | 616172 | | |
| 92686980018 | MCD-DGWC-47 | EPA 9315 | 616172 | | |
| 92686980019 | MCD-DGWC-8 | EPA 9315 | 616760 | | |
| 92686980020 | MCD-DGWC-2 | EPA 9315 | 616760 | | |
| 92686980021 | MCD-DGWC-4 | EPA 9315 | 616760 | | |
| 92686980022 | MCD-DGWC-5 | EPA 9315 | 616760 | | |
| 92686980023 | MCD-DGWC-17 | EPA 9315 | 616760 | | |
| 92686980024 | MCD-DGWC-42 | EPA 9315 | 616760 | | |
| 92686980025 | MCD-DGWC-48 | EPA 9315 | 616760 | | |
| 92686980001 | MCD-DGWC-14 | EPA 9320 | 615445 | | |
| 92686980002 | MCD-DGWC-11 | EPA 9320 | 615445 | | |
| 92686980003 | MCD-DGWC-15 | EPA 9320 | 615445 | | |
| 92686980004 | MCD-DGWC-19 | EPA 9320 | 615445 | | |
| 92686980005 | MCD-DGWC-13 | EPA 9320 | 615445 | | |
| 92686980006 | MCD-AP234-FD-2 | EPA 9320 | 615445 | | |
| 92686980007 | MCD-AP234-FB-2 | EPA 9320 | 615445 | | |
| 92686980008 | MCD-AP234-EB-2 | EPA 9320 | 615445 | | |
| 92686980009 | MCD-DGWC-20 | EPA 9320 | 616400 | | |
| 92686980010 | MCD-DGWC-12 | EPA 9320 | 616400 | | |
| 92686980011 | MCD-DGWC-21 | EPA 9320 | 616400 | | |
| 92686980012 | MCD-DGWC-22 | EPA 9320 | 616400 | | |
| 92686980013 | MCD-DGWC-10 | EPA 9320 | 616400 | | |
| 92686980014 | MCD-DGWC-23 | EPA 9320 | 616400 | | |
| 92686980015 | MCD-AP234-FD-3 | EPA 9320 | 616400 | | |
| 92686980016 | MCD-AP234-FB-3 | EPA 9320 | 616400 | | |
| 92686980017 | MCD-AP234-EB-3 | EPA 9320 | 616400 | | |
| 92686980018 | MCD-DGWC-47 | EPA 9320 | 616400 | | |
| 92686980019 | MCD-DGWC-8 | EPA 9320 | 616400 | | |
| 92686980020 | MCD-DGWC-2 | EPA 9320 | 616400 | | |
| 92686980021 | MCD-DGWC-4 | EPA 9320 | 616400 | | |
| 92686980022 | MCD-DGWC-5 | EPA 9320 | 616400 | | |

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant McD AP-234 Well Net- RAD

Pace Project No.: 92686980

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|----------------|--------------------------|----------|-------------------|------------------|
| 92686980023 | MCD-DGWC-17 | EPA 9320 | 616400 | | |
| 92686980024 | MCD-DGWC-42 | EPA 9320 | 616400 | | |
| 92686980025 | MCD-DGWC-48 | EPA 9320 | 616400 | | |
| 92686980001 | MCD-DGWC-14 | Total Radium Calculation | 619773 | | |
| 92686980002 | MCD-DGWC-11 | Total Radium Calculation | 619773 | | |
| 92686980003 | MCD-DGWC-15 | Total Radium Calculation | 619773 | | |
| 92686980004 | MCD-DGWC-19 | Total Radium Calculation | 619773 | | |
| 92686980005 | MCD-DGWC-13 | Total Radium Calculation | 619773 | | |
| 92686980006 | MCD-AP234-FD-2 | Total Radium Calculation | 619773 | | |
| 92686980007 | MCD-AP234-FB-2 | Total Radium Calculation | 619773 | | |
| 92686980008 | MCD-AP234-EB-2 | Total Radium Calculation | 619773 | | |
| 92686980009 | MCD-DGWC-20 | Total Radium Calculation | 620330 | | |
| 92686980010 | MCD-DGWC-12 | Total Radium Calculation | 620330 | | |
| 92686980011 | MCD-DGWC-21 | Total Radium Calculation | 620330 | | |
| 92686980012 | MCD-DGWC-22 | Total Radium Calculation | 620330 | | |
| 92686980013 | MCD-DGWC-10 | Total Radium Calculation | 620330 | | |
| 92686980014 | MCD-DGWC-23 | Total Radium Calculation | 620330 | | |
| 92686980015 | MCD-AP234-FD-3 | Total Radium Calculation | 620330 | | |
| 92686980016 | MCD-AP234-FB-3 | Total Radium Calculation | 620330 | | |
| 92686980017 | MCD-AP234-EB-3 | Total Radium Calculation | 620330 | | |
| 92686980018 | MCD-DGWC-47 | Total Radium Calculation | 620332 | | |
| 92686980019 | MCD-DGWC-8 | Total Radium Calculation | 620771 | | |
| 92686980020 | MCD-DGWC-2 | Total Radium Calculation | 620771 | | |
| 92686980021 | MCD-DGWC-4 | Total Radium Calculation | 620771 | | |
| 92686980022 | MCD-DGWC-5 | Total Radium Calculation | 620771 | | |
| 92686980023 | MCD-DGWC-17 | Total Radium Calculation | 620771 | | |
| 92686980024 | MCD-DGWC-42 | Total Radium Calculation | 620771 | | |
| 92686980025 | MCD-DGWC-48 | Total Radium Calculation | 620771 | | |

REPORT OF LABORATORY ANALYSIS

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DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name: GA Power

Project #: WO#: 92686980

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



Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 9/8/23

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

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

Cooler Temp: 4.1 Correction Factor: Add/Subtract (°C) 2.0

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

Cooler Temp Corrected (°C): 4.1

USDA Regulated Soil (N/A, water sample)

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lat ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

WO#: 92686980

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

PM: BV

Due Date: 10/02/23

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

CLIENT: 92-GA Power

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

| Item# | BP4U-125 mL Plastic Unpreserved (N/A) (Cl-) | BP3U-250 mL Plastic Unpreserved (N/A) | BP2U-500 mL Plastic Unpreserved (N/A) | BP1U-1 liter Plastic Unpreserved (N/A) | BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-) | BP3N-250 mL plastic HNO3 (pH < 2) | BP4Z-125 mL Plastic Zn Acetate & NaOH (>9) | BP4B-125 mL Plastic NaOH (pH > 12) (Cl-) | WGFLU-Wide-mouthed Glass jar Unpreserved | AG1U-1 liter Amber Unpreserved (N/A) (Cl-) | AG1H-1 liter Amber HCl (pH < 2) | AG3U-250 mL Amber Unpreserved (N/A) (Cl-) | AG1S-1 liter Amber H2SO4 (pH < 2) | AG3S-250 mL Amber H2SO4 (pH < 2) | DG94-40 mL Amber NH4Cl (N/A)(Cl-) | DG9H-40 mL VOA HCl (N/A) | VG9T-40 mL VOA Na2S2O3 (N/A) | VG9U-40 mL VOA Unpreserved (N/A) | DG9V-40 mL VOA H3PO4 (N/A) | KP7U-50 mL Plastic Unpreserved (N/A) | V/GK (3 vials per kit)-YPH/Gas kit (N/A) | SP5T-125 mL Sterile Plastic (N/A - lab) | SP2T-250 mL Sterile Plastic (N/A - lab) | BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7) | AG0U-100 mL Amber Unpreserved (N/A) (Cl-) | VSGU-20 mL Scintillation vials (N/A) | DG9U-40 mL Amber Unpreserved vials (N/A) | |
|-------|---|---------------------------------------|---------------------------------------|--|--|-----------------------------------|--|--|--|--|---------------------------------|---|-----------------------------------|----------------------------------|-----------------------------------|--------------------------|------------------------------|----------------------------------|----------------------------|--------------------------------------|--|---|---|---|---|--------------------------------------|--|--|
| 1 | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

pH Adjustment Log for Preserved Samples

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

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



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
 Required Client Information:

Section B
 Required Project Information:

Section C
 Invoice Information:

Company: Georgia Power - Coal Combustion Residuals
 address: 2400 Manor Road
 Atlanta, GA 30339
 email: analytical@epa.dharmas.com
 phone: (470) 620-6176
 fax: 10 Day TAT

Report To: Lauren Coker
 Copy To: WSP
 Project Name: Plant MCD AP-234 Well Network
 Project #: 31486410, MCD23

Attention: scslivco@epa.dharmas.com
 Company Name:
 Address:
 State / Location:
 Pace Facility #:
 Pace Physic Manager: Bernice Wang

Regulatory Agency:
 State / Location: GA
 Requested Analyze: Filtered (Y/N)
 Residual Chlorine (Y/N):

| ITEM # | SAMPLE ID <small>One character per box: (A-Z, 0-9, /, -) Sample IDs must be unique</small> | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G-GRAB C-COMP) | DATE | TIME | SAMPLE TEMP AT COLLECTION | PRESERVATIVES | | | | | | | ANALYSES TEST | TEMP in C | Received on ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N) | | |
|--------|---|---------------------------------------|-----------------------------|----------|-------|---------------------------|-------------------|-------|------------|-----|-------------------|---------|----------|---------------|-----------|-----------------------|-----------------------------|----------------------|-------|--------------------------|
| | | | | | | | Unpreserved - Ice | H2SO4 | HNO3 + Ice | HCl | NaOH + Zn Acetate | Na2S2O3 | Methanol | | | | | | Other | App IIRV + Mg, Na, K, Fe |
| 1 | MCD-DGWC-14 | WG | G | 9/8/23 | 8:57 | | 7 | 3 | 3 | 1 | | | X | X | X | X | X | | | |
| 2 | MCD-DGWC-11 | WG | G | 9/8/23 | 9:25 | | 7 | 3 | 3 | 1 | | | X | X | X | X | X | | | |
| 3 | MCD-DGWC-15 | WG | G | 9/8/23 | 10:25 | | 7 | 3 | 3 | 1 | | | X | X | X | X | X | | | |
| 4 | MCD-DGWC-18 | WG | G | 9/8/23 | 11:44 | | 7 | 3 | 3 | 1 | | | X | X | X | X | X | | | |
| 5 | MCD-DGWC-13 | WG | G | 9/8/2023 | 12:00 | | 7 | 3 | 3 | 1 | | | X | X | X | X | X | | | |
| 6 | MCD-AP234-FD-2 | WG | G | 9/8/2023 | - | | 7 | 3 | 3 | 1 | | | X | X | X | X | X | | | |
| 7 | MCD-AP234-FR-2 | WG | G | 9/8/23 | 12:20 | | 7 | 3 | 3 | 1 | | | X | X | X | X | X | | | |
| 8 | MCD-AP234-FR-2 | WG | G | 9/8/23 | 12:30 | | 7 | 3 | 3 | 1 | | | X | X | X | X | X | | | |
| 9 | MCD-AP234-FR-2 | WG | G | 9/8/23 | 12:30 | | 7 | 3 | 3 | 1 | | | X | X | X | X | X | | | |
| 10 | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | |

ADDITIONAL COMMENTS: REINQUISHED BY: DATE: 09/09/23 TIME: 1550 ACCEPTED BY: DATE: 9/23/23

ASK CODE = MCD-COR-ASSMT-2023S2
 DATE SIGNED: _____



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Client Information: Section B Requested Project Information: Section C Invoice Information: 1 of 1

Client Information:
 Company: Georgia Power - Coal Combustion Residuals
 Address: 2480 Mariner Road
 Atlanta, GA 30339
 Phone: (478) 620-8176
 Fax: (478) 620-8176
 Requested Date: 10 Day TAT

Requested Project Information:
 Report To: Lauren Connor
 Copy To: WSP
 Project Name: Plant Mod AP-234 Wall Network
 Project #: 314064Q M023

Invoice Information:
 Address: acs@indco.com
 Company Name:
 Address:
 Project Manager: Bonnie Yang
 Regulatory Agency: GA

| ITEM # | MCD-DGWC-20 | MCD-DGWC-12 | MCD-DGWC-21 | MCD-DGWC-22 | MCD-DGWC-10 | MCD-DGWC-23 | MCD-AP234-FD-3 | MCD-AP234-FB-3 | MCD-AP234-EB-3 | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G-GRAB C-COMP) | DATE | TIME | SAMPLE TEMP AT COLLECTION | PRESERVATIVES | | | | | | | ANALYSIS TEST | | | | | Residual Chlorine (Y/N) | | | | | |
|--------|-------------|-------------|-------------|-------------|-------------|-------------|----------------|----------------|----------------|---------------------------------------|-----------------------------|---------|-------|---------------------------|-------------------|-------|------------|-----|-------------------|---------|----------|---------------|----------------------------|------------|----------------|-----|-------------------------|------------|---------|---|-----|--|
| | | | | | | | | | | | | | | | Unpreserved - Ice | H2SO4 | HNO3 + Ice | HCl | NaOH + Zn Acetate | Na2S2O3 | Methanol | Other | App III/IV + Mg, Na, K, Fe | Cl, F, SO4 | Radium 226/230 | TDS | | Alkalinity | Sulfide | | | |
| 1 | | | | | | | | | | WG | G | 9/11/23 | 8:22 | | 7 | 3 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 009 | |
| 2 | | | | | | | | | | WG | G | 9/11/23 | 10:10 | | 9 | 3 | 6 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 010 | |
| 3 | | | | | | | | | | WG | G | 9/11/23 | 11:28 | | 7 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 011 | |
| 4 | | | | | | | | | | WG | G | 9/11/23 | 13:18 | | 7 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 012 | |
| 5 | | | | | | | | | | WG | G | 9/11/23 | 13:16 | | 7 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 013 | |
| 6 | | | | | | | | | | WG | G | 9/11/23 | 14:39 | | 7 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 014 | |
| 7 | | | | | | | | | | WG | G | 9/11/23 | - | | 7 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 015 | |
| 8 | | | | | | | | | | WG | G | 9/11/23 | 10:05 | | 7 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 016 | |
| 9 | | | | | | | | | | WG | G | 9/11/23 | 16:30 | | 7 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 017 | |
| 10 | | | | | | | | | | WG | G | 9/11/23 | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

ADDITIONAL COMMENTS: MCD-CCF-CARBENT-2023SZ

MARKS MADE BY: [Signature] DATE: 9/12/23 TIME: 8:30

ACCEPTED BY / AFFILIATION: [Signature] DATE: 9/12/23

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Effective Date: 11/14/2022

laboratory receiving samples:

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

Sample Condition Upon Receipt

Client Name: *UPH Power*

Project #:

Courier:

- Fed Ex
- UPS
- USPS
- Other:

Client

Custody Seal Present? Yes No

Seals Intact? Yes No

Packing Material:

- Bubble Wrap
- Bubble Bags
- None
- Other

Thermometer:

IR Gun ID: *882*

Correction Factor: *0.0*

Cooler Temp:

Add/Subtract (°C): *4.8*

Cooler Temp Corrected (°C):

USA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC

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

Biological Tissue Frozen? Yes No N/A

Date/initials Person Examining Contents: *4/22/23/HH*

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

| Chain of Custody Present? | Samples Arrived within Hold Time? | Short Hold Time Analysis (<72 hr.)? | Rush Turn Around Time Requested? | Sufficient Volume? | Correct Containers Used? | -Pace Containers Used? | Containers Intact? | Dissolved analysis: Samples Field Filtered? | Sample Labels Match COC? | -Includes Date/Time/ID/Analysis Matrix: | Headspace in VOA Vials (>5-6mm)? | Trip Blank Present? | Trip Blank Custody Seals Present? |
|--|--|--|--|--|--|--|--|--|--|---|--|--|--|
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | <i>W6</i> | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A |
| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | | 11. | 11. | 11. |

Comments/Discrepancy:

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

CLIENT NOTIFICATION/RESOLUTION

Lot ID of split containers:

Person contacted:

Date/Time:

Project Manager SCURF Review:

Date:

Project Manager SRF Review:

Date:

*Check mark top half of box if pH and/or dechlorination is verified and Project #

Within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DR0/8015 (water) DOC, LHG

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

| Item# | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|----|----|----|
| BP4U-125 mL Plastic Unpreserved (N/A) (Cl-) | | | | | | | | | | | | |
| BP3U-250 mL Plastic Unpreserved (N/A) | | | | | | | | | | | | |
| BP2U-500 mL Plastic Unpreserved (N/A) | | | | | | | | | | | | |
| BP1U-1 liter Plastic Unpreserved (N/A) | | | | | | | | | | | | |
| BP45-125 mL Plastic H2SO4 (pH < 2) (Cl-) | | | | | | | | | | | | |
| BP3N-250 mL plastic HNO3 (pH < 2) | | | | | | | | | | | | |
| BP4Z-125 mL Plastic ZN Acetate & NaOH (>9) | | | | | | | | | | | | |
| BP4B-125 mL Plastic NaOH (pH > 12) (Cl-) | | | | | | | | | | | | |
| WGJU-Wide-mouthed Glass Jar Unpreserved | | | | | | | | | | | | |
| AG1U-1 liter Amber Unpreserved (N/A) (Cl-) | | | | | | | | | | | | |
| AG1H-1 liter Amber HCl (pH < 2) | | | | | | | | | | | | |
| AG3U-250 mL Amber Unpreserved (N/A) (Cl-) | | | | | | | | | | | | |
| AG1S-1 liter Amber H2SO4 (pH < 2) | | | | | | | | | | | | |
| AG3S-250 mL Amber H2SO4 (pH < 2) | | | | | | | | | | | | |
| DG94-40 mL Amber NH4Cl (N/A) (Cl-) | | | | | | | | | | | | |
| DG9H-40 mL VOA HCl (N/A) | | | | | | | | | | | | |
| VG9T-40 mL VOA Na2S2O3 (N/A) | | | | | | | | | | | | |
| VG9U-40 mL VOA Unpreserved (N/A) | | | | | | | | | | | | |
| DG9V-40 mL VOA H3PO4 (N/A) | | | | | | | | | | | | |
| KP7U-50 mL Plastic Unpreserved (N/A) | | | | | | | | | | | | |
| V/GK (3 vials per kit)-VPH/Gas Kit (N/A) | | | | | | | | | | | | |
| SP5T-125 mL Sterile Plastic (N/A - lab) | | | | | | | | | | | | |
| SP2T-250 mL Sterile Plastic (N/A - lab) | | | | | | | | | | | | |
| BP7N | | | | | | | | | | | | |
| BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7) | | | | | | | | | | | | |
| AG0U-100 mL Amber Unpreserved (N/A) (Cl-) | | | | | | | | | | | | |
| V5GU-20 mL Scintillation vials (N/A) | | | | | | | | | | | | |
| DG9U-40 mL Amber Unpreserved vials (N/A) | | | | | | | | | | | | |

pH Adjustment Log for Preserved Samples

| Sample ID | Type of Preservative | pH upon receipt | Date preservation adjusted | Time preservation adjusted | Amount of Preservative added | Lot # |
|-----------|----------------------|-----------------|----------------------------|----------------------------|------------------------------|-------|
| | | | | | | |
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Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name: CA Power

Project #: WO# : 92686980

Courier: Fed Ex UPS USPS Client Commercial Pace Other:

PM: BV Due Date: 10/02/23 CLIENT: 92-GA Power

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 9-13-23 AK

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: IR Gun ID: 083 Type of Ice: Wet Blue None

Cooler Temp: 2.9 Correction Factor: 0.0 Add/Subtract (°C)

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

Cooler Temp Corrected (°C): 2.9

JSDA Regulated Soil (N/A, water sample)

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

WO#: 92686980

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

PM: BV

Due Date: 10/02/23

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

CLIENT: 92-GA Power

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

| Item# | BP4U-125 mL Plastic Unpreserved (N/A) (Cl-) | BP3U-250 mL Plastic Unpreserved (N/A) | BP2U-500 mL Plastic Unpreserved (N/A) | BP1U-1 liter Plastic Unpreserved (N/A) | BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-) | BP3N-250 mL plastic HNO3 (pH < 2) | BP4Z-125 mL Plastic ZN Acetate & NaOH (>9) | BP4B-125 mL Plastic NaOH (pH > 12) (Cl-) | WGFU-Wide-mouthed Glass jar Unpreserved | AG1U-1 liter Amber Unpreserved (N/A) (Cl-) | AG1H-1 liter Amber HCl (pH < 2) | AG3U-250 mL Amber Unpreserved (N/A) (Cl-) | AG1S-1 liter Amber H2SO4 (pH < 2) | AG3S-250 mL Amber H2SO4 (pH < 2) | DG94-40 mL Amber NH4Cl (N/A)(Cl-) | DG9H-40 mL VOA HCl (N/A) | VG9T-40 mL VOA Na2S2O3 (N/A) | VG9U-40 mL VOA Unpreserved (N/A) | DG9V-40 mL VOA H3PO4 (N/A) | KP7U-50 mL Plastic Unpreserved (N/A) | V/GK (3 vials per kit) VPH/Gas kit (N/A) | SP5T-125 mL Sterile Plastic (N/A - lab) | SP2T-250 mL Sterile Plastic (N/A - lab) | BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7) | AG0U-100 mL Amber Unpreserved (N/A) (Cl-) | VSGU-20 mL Scintillation vials (N/A) | DG9U-40 mL Amber Unpreserved vials (N/A) | | |
|-------|---|---------------------------------------|---------------------------------------|--|--|-----------------------------------|--|--|---|--|---------------------------------|---|-----------------------------------|----------------------------------|-----------------------------------|--------------------------|------------------------------|----------------------------------|----------------------------|--------------------------------------|--|---|---|---|---|--------------------------------------|--|--|--|
| 1 | | 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

pH Adjustment Log for Preserved Samples

| Sample ID | Type of Preservative | pH upon receipt | Date preservation adjusted | Time preservation adjusted | Amount of Preservative added | Lot # |
|-----------|----------------------|-----------------|----------------------------|----------------------------|------------------------------|-------|
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Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name: GA Power

Project #

WO#: 92686980

PM: BV

Due Date: 10/02/23

CLIENT: 92-GA Power

Courier: Fed Ex UPS USPS Client Commercial Pace Other:

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 9-14-23/19

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen?

Yes No N/A

Thermometer:

IR Gun ID: 0873

Type of Ice: Wet Blue None

Cooler Temp: 3.9

Correction Factor: Add/Subtract (°C)

0-0

Temp should be above freezing to 6°C

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

Cooler Temp Corrected (°C): 3.9

USDA Regulated Soil (N/A, water sample)

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted:

Date/Time:

Project Manager SCURF Review:

Date:

Project Manager SRF Review:

Date:



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

WO#: 92686980

PM: BV

Due Date: 10/02/23

CLIENT: 92-GR Power

| Item# | BP4U-125 mL Plastic Unpreserved (N/A) (Cl-) | BP3U-250 mL Plastic Unpreserved (N/A) | BP2U-500 mL Plastic Unpreserved (N/A) | BP1U-1 liter Plastic Unpreserved (N/A) | BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-) | BP3N-250 mL plastic HNO3 (pH < 2) | BP4Z-125 mL Plastic ZN Acetate & NaOH (>9) | BP4B-125 mL Plastic NaOH (pH > 12) (Cl-) | WGPU-Wide-mouthed Glass jar Unpreserved | AG1U-1 liter Amber Unpreserved (N/A) (Cl-) | AG1H-1 liter Amber HCl (pH < 2) | AG3U-250 mL Amber Unpreserved (N/A) (Cl-) | AG1S-1 liter Amber H2SO4 (pH < 2) | AG3S-250 mL Amber H2SO4 (pH < 2) | DG94-40 mL Amber NH4Cl (N/A)(Cl-) | DG9H-40 mL VOA HCl (N/A) | VG9T-40 mL VOA Na2SO3 (N/A) | VG9U-40 mL VOA Unpreserved (N/A) | DG9V-40 mL VOA H3PO4 (N/A) | KP7U-50 mL Plastic Unpreserved (N/A) | V/GK (3 vials per kit)-VPH/Gas kit (N/A) | SP5T-125 mL Sterile Plastic (N/A - lab) | SP2T-250 mL Sterile Plastic (N/A - lab) | BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7) | AG0U-100 mL Amber Unpreserved (N/A) (Cl-) | V5GU-20 mL Scintillation vials (N/A) | DG9U-40 mL Amber Unpreserved vials (N/A) |
|-------|---|---------------------------------------|---------------------------------------|--|--|-----------------------------------|--|--|---|--|---------------------------------|---|-----------------------------------|----------------------------------|-----------------------------------|--------------------------|-----------------------------|----------------------------------|----------------------------|--------------------------------------|--|---|---|---|---|--------------------------------------|--|
| 1 | / | 2 | 1 | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | BPZV | / | / | / |
| 2 | / | 2 | 1 | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / |
| 3 | / | 2 | 1 | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / |
| 4 | / | 2 | 1 | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / |
| 5 | / | 2 | 1 | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / |
| 6 | / | 2 | 1 | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / |
| 7 | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / |
| 8 | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / |
| 9 | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / |
| 10 | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / |
| 11 | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / |
| 12 | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / |

pH Adjustment Log for Preserved Samples

| Sample ID | Type of Preservative | pH upon receipt | Date preservation adjusted | Time preservation adjusted | Amount of Preservative added | Lot # |
|-----------|----------------------|-----------------|----------------------------|----------------------------|------------------------------|-------|
| | | | | | | |
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Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

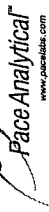


CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

| Section A Required Client Information: | | | | Section B Required Project Information: | | | | Section C Requested Analysis Filtered (Y/N) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---------------------|-------------------------------|--|-------------|-------------|-----------------------------------|--|------|-------------------------|----------------|------------|--------------|------------|------------|----------------|---------------|------------------|--------------|--------------|---------------|----------------|---------------|---------------|----------------|--------------------|-------------------------|-------------|----------------|--------------|-------------------|-----------|-----------------------|--|--|--|--|--|--|
| Company: | Georgia Power - Coal Combustion Residuals | Report To: | Lauren Colter | Invoice Information: | Attention: | ccs@vco.com | Requested Analysis Filtered (Y/N) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Address: | 2480 Manter Road | Copy To: | WSP | Company Name: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| City/State/Zip: | Atlanta, GA 30338 | Purchase Order #: | | Address: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contact: | LAUREN.COLTERR@SOUTHERNCO.COM | Project Name: | Plant MCD AP-234 Well Network | Face Project Manager: | Bernis Vang | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone: | (478) 620-6176 | Project #: | 31406440.MCD23 | Face Profile #: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fax: | | Additional Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MATRIX CODE | MATRIX | SAMPLE TYPE | DATE | TIME | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | DATE | RESIDUAL CHROMIUM (Y/N) | ALUMINUM (Y/N) | IRON (Y/N) | COPPER (Y/N) | ZINC (Y/N) | LEAD (Y/N) | CHROMIUM (Y/N) | AMMONIA (Y/N) | PHOSPHORUS (Y/N) | SILICA (Y/N) | PHENOL (Y/N) | CYANIDE (Y/N) | FLUORIDE (Y/N) | SULFIDE (Y/N) | ARSENIC (Y/N) | MERCUURY (Y/N) | HEAVY METALS (Y/N) | RESIDUAL CHROMIUM (Y/N) | RECEIVED ON | CUSTODY SEALED | COOLER (Y/N) | SAMPLE CONDITIONS | TEMP IN C | SAMPLES CONTACT (Y/N) | | | | | | |
| 1 | MCD-DGWC-2 | G | 9/13/23 | 10:48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | MCD-DGWC-4 | G | 9/13/23 | 14:54 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | MCD-DGWC-5 | G | 9/13/23 | 10:38 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | MCD-DGWC-17 | G | 9/13/23 | 12:20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | MCD-DGWC-42 | G | 9/13/23 | 14:47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | MCD-DGWC-48 | G | 9/13/23 | 10:20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Task Code = MCD-CGR-ASSMT-202352 | | | | WSP 9/14/23 14:22 | | | | Clark's Hawks | | | | | | | | 9/14/23 (4) | | | | | | | | | | | | | | | | | | | | | | | |

Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-228
Analyst: ZPC
Date: 9/21/2023
Worklist: 75369
Matrix: WT

| Method Blank Assessment | |
|-------------------------------------|---------|
| MB Sample ID | 3001828 |
| MB concentration: | 0.135 |
| MB 2 Sigma CSU: | 0.306 |
| MB MDC: | 0.681 |
| MB Numerical Performance Indicator: | 0.86 |
| MB Status vs Numerical Indicator: | Pass |
| MB Status vs. MDC: | Pass |

| Laboratory Control Sample Assessment | | LCSD (Y or N)? | Y |
|---|-----------|----------------|-----------|
| Count Date: | 9/27/2023 | LCSD75369 | 9/27/2023 |
| Spike I.D.: | 23-043 | | |
| Decay Corrected Spike Concentration (pCi/mL): | 39.655 | | |
| Volume Used (mL): | 0.10 | | |
| Aliquot Volume (L, g, F): | 0.819 | | |
| Target Conc. (pCi/L, g, F): | 4.837 | | |
| Uncertainty (Calculated): | 0.237 | | |
| Result (pCi/L, g, F): | 4.358 | | |
| LCSD/LCSD 2 Sigma CSU (pCi/L, g, F): | 1.029 | | |
| Numerical Performance Indicator: | -0.89 | | |
| Percent Recovery: | 90.09% | | |
| Status vs Numerical Indicator: | N/A | | |
| Status vs Recovery: | Pass | | |
| Upper % Recovery Limits: | 135% | | |
| Lower % Recovery Limits: | 60% | | |

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

| Duplicate Sample Assessment | |
|--|-----------|
| Sample I.D.: | LCST75369 |
| Duplicate Sample I.D.: | LCSD75369 |
| Sample Result (pCi/L, g, F): | 4.358 |
| Sample Duplicate Result (pCi/L, g, F): | 1.029 |
| Sample Result 2 Sigma CSU (pCi/L, g, F): | 4.247 |
| Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F): | 1.008 |
| Are sample and/or duplicate results below RL? | NO |
| Duplicate Numerical Performance Indicator: | 0.150 |
| Duplicate Percent Recoveries Duplicate RPD: | 2.67% |
| Duplicate Status vs Numerical Indicator: | Pass |
| Duplicate Status vs RPD: | Pass |
| % RPD Limit: | 36% |

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

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

Comments:

[Handwritten Signature]

VAL
9/28/23

Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-226
Analyst: SLC
Date: 9/26/2023
Worklist: 75407
Matrix: WT

| Method Blank Assessment | |
|-------------------------------------|---------|
| MB Sample ID | 3003588 |
| MB concentration: | 0.011 |
| M/B 2 Sigma CSU: | 0.102 |
| MB MDC: | 0.265 |
| MB Numerical Performance Indicator: | 0.21 |
| MB Status vs Numerical Indicator: | Pass |
| MB Status vs. MDC: | N/A |

| Laboratory Control Sample Assessment | | LCS D (Y or N)? | Y |
|---|--|-----------------|------------|
| Count Date: | | LCS D75407 | LCS D75407 |
| Spike I.D.: | | 10/5/2023 | 10/5/2023 |
| Decay Corrected Spike Concentration (pCi/mL): | | 23-014 | 23-014 |
| Volume Used (mL): | | 25.030 | 25.030 |
| Aliquot Volume (L, g, F): | | 0.10 | 0.10 |
| Target Conc. (pCi/L, g, F): | | 0.501 | 0.503 |
| Uncertainty (Calculated): | | 4.998 | 4.981 |
| Result (pCi/L, g, F): | | 0.235 | 0.234 |
| LCS/LCSD 2 Sigma CSU (pCi/L, g, F): | | 5.480 | 5.211 |
| Numerical Performance Indicator: | | 0.964 | 0.927 |
| Percent Recovery: | | 109.66% | 104.62% |
| Status vs Numerical Indicator: | | Pass | Pass |
| Upper % Recovery Limits: | | 125% | 125% |
| Lower % Recovery Limits: | | 75% | 75% |

| Duplicate Sample Assessment | | LCS D (Y or N)? | Y |
|---|--|-----------------|--------------|
| Sample I.D.: | | LCS D75407 | LCS D75407 |
| Duplicate Sample I.D.: | | 92686980019 | 92686980019 |
| Sample Result (pCi/L, g, F): | | 5.480 | 0.251 |
| Sample Result 2 Sigma CSU (pCi/L, g, F): | | 0.964 | 0.154 |
| Sample Duplicate Result (pCi/L, g, F): | | 5.211 | 0.173 |
| Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F): | | 0.927 | 0.144 |
| Are sample and/or duplicate results below RL? | | NO | See Below ## |
| Duplicate Numerical Performance Indicator: | | 0.395 | 0.730 |
| (Based on the LCS/LCSD Percent Recoveries) Duplicate RPD: | | 4.70% | 37.05% |
| Duplicate Status vs Numerical Indicator: | | Pass | Pass |
| Duplicate Status vs RPD: | | N/A | N/A |
| % RPD Limit: | | 25% | 25% |

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

Comments:

[Handwritten signature]

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

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

LAM 10/5/23



September 22, 2023

Kelley Sharpe
ARCADIS - Atlanta
2839 Paces Ferry Rd
STE 900
Atlanta, GA 30339

RE: Project: Plant McDonough-CCR Ash Pond
Pace Project No.: 92687817

Dear Kelley Sharpe:

Enclosed are the analytical results for sample(s) received by the laboratory on September 14, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

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

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

Sincerely,

Maiya Parks
maiya.parks@pacelabs.com
770-734-4205
Project Manager

Enclosures

cc: Joju Abraham, Georgia Power-CCR
Jordan Gamble, ARCADIS - Atlanta
Ben Hodges, Georgia Power-CCR
Warren Johnson, ARCADIS - Atlanta
Allison Keefer, Southern Company
Laura Midkiff, Georgia Power
Tina Sullivan, ERM



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Plant McDonough-CCR Ash Pond

Pace Project No.: 92687817

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804

Florida/NELAP Certification #: E87648

North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40

South Carolina Laboratory ID: 99030

South Carolina Certification #: 99030001

Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Plant McDonough-CCR Ash Pond

Pace Project No.: 92687817

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|-------------|--------|----------------|----------------|
| 92687817001 | MCD-UT01_US | Water | 09/13/23 14:06 | 09/14/23 09:29 |
| 92687817002 | MCD-UT02 | Water | 09/13/23 13:58 | 09/14/23 09:29 |
| 92687817003 | MCD-UT03 | Water | 09/13/23 13:47 | 09/14/23 09:29 |
| 92687817004 | MCD-UT01_DS | Water | 09/13/23 13:37 | 09/14/23 09:29 |
| 92687817005 | MCD-CR-0.1 | Water | 09/12/23 13:40 | 09/14/23 09:29 |
| 92687817006 | MCD-CR+0.2 | Water | 09/12/23 13:44 | 09/14/23 09:29 |
| 92687817007 | MCD-CR+0.4 | Water | 09/12/23 13:47 | 09/14/23 09:29 |
| 92687817008 | MCD-DW_DS | Water | 09/12/23 13:35 | 09/14/23 09:29 |
| 92687817009 | MCD-DW_US | Water | 09/12/23 13:30 | 09/14/23 09:29 |
| 92687817010 | MCD-CR-0.2 | Water | 09/12/23 13:24 | 09/14/23 09:29 |
| 92687817011 | MCD-CR-0.5 | Water | 09/12/23 13:15 | 09/14/23 09:29 |

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Plant McDonough-CCR Ash Pond

Pace Project No.: 92687817

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|-------------|-------------|------------------------|----------|-------------------|------------|
| 92687817001 | MCD-UT01_US | EPA 6010D | DRB | 5 | PASI-GA |
| | | EPA 6020B | CW1 | 1 | PASI-GA |
| | | SM 2540C-2015 | DL1 | 1 | PASI-GA |
| | | SM 2320B-2011 | YEG | 2 | PASI-A |
| | | EPA 300.0 Rev 2.1 1993 | CDC | 3 | PASI-A |
| 92687817002 | MCD-UT02 | EPA 6010D | DRB | 5 | PASI-GA |
| | | EPA 6020B | CW1 | 1 | PASI-GA |
| | | SM 2540C-2015 | DL1 | 1 | PASI-GA |
| | | SM 2320B-2011 | YEG | 2 | PASI-A |
| | | EPA 300.0 Rev 2.1 1993 | CDC | 3 | PASI-A |
| 92687817003 | MCD-UT03 | EPA 6010D | DRB | 5 | PASI-GA |
| | | EPA 6020B | CW1 | 1 | PASI-GA |
| | | SM 2540C-2015 | DL1 | 1 | PASI-GA |
| | | SM 2320B-2011 | YEG | 2 | PASI-A |
| | | EPA 300.0 Rev 2.1 1993 | CDC | 3 | PASI-A |
| 92687817004 | MCD-UT01_DS | EPA 6010D | DRB | 5 | PASI-GA |
| | | EPA 6020B | CW1 | 1 | PASI-GA |
| | | SM 2540C-2015 | DL1 | 1 | PASI-GA |
| | | SM 2320B-2011 | YEG | 2 | PASI-A |
| | | EPA 300.0 Rev 2.1 1993 | CDC | 3 | PASI-A |
| 92687817005 | MCD-CR-0.1 | EPA 6010D | DRB | 5 | PASI-GA |
| | | EPA 6020B | CW1 | 2 | PASI-GA |
| | | SM 2540C-2015 | DL1 | 1 | PASI-GA |
| | | SM 2320B-2011 | YEG | 2 | PASI-A |
| | | EPA 300.0 Rev 2.1 1993 | CDC | 3 | PASI-A |
| 92687817006 | MCD-CR+0.2 | EPA 6010D | DRB | 5 | PASI-GA |
| | | EPA 6020B | CW1 | 2 | PASI-GA |
| | | SM 2540C-2015 | DL1 | 1 | PASI-GA |
| | | SM 2320B-2011 | YEG | 2 | PASI-A |
| | | EPA 300.0 Rev 2.1 1993 | CDC | 3 | PASI-A |
| 92687817007 | MCD-CR+0.4 | EPA 6010D | DRB | 5 | PASI-GA |
| | | EPA 6020B | CW1 | 3 | PASI-GA |
| | | SM 2540C-2015 | DL1 | 1 | PASI-GA |
| | | SM 2320B-2011 | YEG | 2 | PASI-A |
| | | EPA 300.0 Rev 2.1 1993 | CDC | 3 | PASI-A |
| 92687817008 | MCD-DW_DS | EPA 6010D | DRB | 5 | PASI-GA |
| | | EPA 6020B | CW1 | 2 | PASI-GA |

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Plant McDonough-CCR Ash Pond

Pace Project No.: 92687817

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|-------------|------------|------------------------|----------|-------------------|------------|
| 92687817009 | MCD-DW_US | SM 2540C-2015 | DL1 | 1 | PASI-GA |
| | | SM 2320B-2011 | YEG | 2 | PASI-A |
| | | EPA 300.0 Rev 2.1 1993 | CDC | 3 | PASI-A |
| | | EPA 6010D | DRB | 5 | PASI-GA |
| | | EPA 6020B | CW1 | 2 | PASI-GA |
| | | SM 2540C-2015 | DL1 | 1 | PASI-GA |
| 92687817010 | MCD-CR-0.2 | SM 2320B-2011 | YEG | 2 | PASI-A |
| | | EPA 300.0 Rev 2.1 1993 | CDC | 3 | PASI-A |
| | | EPA 6010D | DRB | 5 | PASI-GA |
| | | EPA 6020B | CW1 | 2 | PASI-GA |
| | | SM 2540C-2015 | DL1 | 1 | PASI-GA |
| | | SM 2320B-2011 | YEG | 2 | PASI-A |
| 92687817011 | MCD-CR-0.5 | EPA 300.0 Rev 2.1 1993 | CDC | 3 | PASI-A |
| | | EPA 6010D | DRB | 5 | PASI-GA |
| | | EPA 6020B | CW1 | 2 | PASI-GA |
| | | SM 2540C-2015 | DL1 | 1 | PASI-GA |
| | | SM 2320B-2011 | YEG | 2 | PASI-A |
| | | EPA 300.0 Rev 2.1 1993 | CDC | 3 | PASI-A |

PASI-A = Pace Analytical Services - Asheville

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Plant McDonough-CCR Ash Pond

Pace Project No.: 92687817

| Sample: MCD-UT01_US | Lab ID: 92687817001 | Collected: 09/13/23 14:06 | Received: 09/14/23 09:29 | Matrix: Water | | | | |
|--|---------------------|---------------------------|--------------------------|---------------|----------------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 6010D ATL ICP | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Boron | ND | mg/L | 0.040 | 1 | 09/15/23 13:12 | 09/17/23 14:38 | 7440-42-8 | |
| Potassium | 2.8 | mg/L | 0.50 | 1 | 09/15/23 13:12 | 09/17/23 14:38 | 7440-09-7 | |
| Sodium | 5.5 | mg/L | 1.0 | 1 | 09/15/23 13:12 | 09/17/23 14:38 | 7440-23-5 | |
| Calcium | 11.8 | mg/L | 1.0 | 1 | 09/15/23 13:12 | 09/17/23 14:38 | 7440-70-2 | |
| Magnesium | 1.9 | mg/L | 0.050 | 1 | 09/15/23 13:12 | 09/17/23 14:38 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Arsenic | ND | mg/L | 0.0050 | 1 | 09/15/23 09:34 | 09/15/23 19:19 | 7440-38-2 | |
| 2540C Total Dissolved Solids | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Total Dissolved Solids | 56.0 | mg/L | 25.0 | 1 | | 09/19/23 17:46 | | |
| 2320B Alkalinity | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | |
| Alkalinity, Bicarbonate (CaCO3) | 35.3 | mg/L | 5.0 | 1 | | 09/15/23 16:12 | | |
| Alkalinity, Total as CaCO3 | 35.3 | mg/L | 5.0 | 1 | | 09/15/23 16:12 | | |
| 300.0 IC Anions 28 Days | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | |
| Chloride | 5.1 | mg/L | 1.0 | 1 | | 09/15/23 13:06 | 16887-00-6 | |
| Fluoride | 0.19 | mg/L | 0.10 | 1 | | 09/15/23 13:06 | 16984-48-8 | |
| Sulfate | 7.3 | mg/L | 1.0 | 1 | | 09/15/23 13:06 | 14808-79-8 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Plant McDonough-CCR Ash Pond

Pace Project No.: 92687817

| Sample: MCD-UT02 | Lab ID: 92687817002 | Collected: 09/13/23 13:58 | Received: 09/14/23 09:29 | Matrix: Water | | | | |
|--|---------------------|---------------------------|--------------------------|---------------|----------------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 6010D ATL ICP | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Boron | 0.040 | mg/L | 0.040 | 1 | 09/15/23 13:12 | 09/17/23 14:43 | 7440-42-8 | |
| Potassium | 2.6 | mg/L | 0.50 | 1 | 09/15/23 13:12 | 09/17/23 14:43 | 7440-09-7 | |
| Sodium | 5.5 | mg/L | 1.0 | 1 | 09/15/23 13:12 | 09/17/23 14:43 | 7440-23-5 | |
| Calcium | 11.5 | mg/L | 1.0 | 1 | 09/15/23 13:12 | 09/17/23 14:43 | 7440-70-2 | |
| Magnesium | 1.8 | mg/L | 0.050 | 1 | 09/15/23 13:12 | 09/17/23 14:43 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Arsenic | ND | mg/L | 0.0050 | 1 | 09/15/23 09:34 | 09/15/23 19:23 | 7440-38-2 | |
| 2540C Total Dissolved Solids | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Total Dissolved Solids | 63.0 | mg/L | 25.0 | 1 | | 09/19/23 17:46 | | |
| 2320B Alkalinity | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | |
| Alkalinity, Bicarbonate (CaCO3) | 34.9 | mg/L | 5.0 | 1 | | 09/15/23 16:19 | | |
| Alkalinity, Total as CaCO3 | 34.9 | mg/L | 5.0 | 1 | | 09/15/23 16:19 | | |
| 300.0 IC Anions 28 Days | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | |
| Chloride | 5.2 | mg/L | 1.0 | 1 | | 09/15/23 13:52 | 16887-00-6 | |
| Fluoride | 0.20 | mg/L | 0.10 | 1 | | 09/15/23 13:52 | 16984-48-8 | |
| Sulfate | 7.8 | mg/L | 1.0 | 1 | | 09/15/23 13:52 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McDonough-CCR Ash Pond

Pace Project No.: 92687817

| Sample: MCD-UT03 | Lab ID: 92687817003 | Collected: 09/13/23 13:47 | Received: 09/14/23 09:29 | Matrix: Water | | | | |
|--|---------------------|---------------------------|--------------------------|---------------|----------------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 6010D ATL ICP | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Boron | 0.049 | mg/L | 0.040 | 1 | 09/15/23 13:12 | 09/17/23 14:48 | 7440-42-8 | |
| Potassium | 2.7 | mg/L | 0.50 | 1 | 09/15/23 13:12 | 09/17/23 14:48 | 7440-09-7 | |
| Sodium | 5.5 | mg/L | 1.0 | 1 | 09/15/23 13:12 | 09/17/23 14:48 | 7440-23-5 | |
| Calcium | 11.7 | mg/L | 1.0 | 1 | 09/15/23 13:12 | 09/17/23 14:48 | 7440-70-2 | M1 |
| Magnesium | 1.9 | mg/L | 0.050 | 1 | 09/15/23 13:12 | 09/17/23 14:48 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Arsenic | ND | mg/L | 0.0050 | 1 | 09/15/23 09:34 | 09/15/23 19:27 | 7440-38-2 | |
| 2540C Total Dissolved Solids | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Total Dissolved Solids | 89.0 | mg/L | 25.0 | 1 | | 09/19/23 14:23 | | |
| 2320B Alkalinity | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | |
| Alkalinity,Bicarbonate (CaCO3) | 35.3 | mg/L | 5.0 | 1 | | 09/15/23 16:25 | | |
| Alkalinity, Total as CaCO3 | 35.3 | mg/L | 5.0 | 1 | | 09/15/23 16:25 | | |
| 300.0 IC Anions 28 Days | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | |
| Chloride | 4.9 | mg/L | 1.0 | 1 | | 09/15/23 14:08 | 16887-00-6 | |
| Fluoride | 0.18 | mg/L | 0.10 | 1 | | 09/15/23 14:08 | 16984-48-8 | |
| Sulfate | 7.9 | mg/L | 1.0 | 1 | | 09/15/23 14:08 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McDonough-CCR Ash Pond

Pace Project No.: 92687817

| Sample: MCD-UT01_DS | Lab ID: 92687817004 | Collected: 09/13/23 13:37 | Received: 09/14/23 09:29 | Matrix: Water | | | | |
|--|---------------------|---------------------------|--------------------------|---------------|----------------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 6010D ATL ICP | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Boron | 0.058 | mg/L | 0.040 | 1 | 09/15/23 13:12 | 09/17/23 15:09 | 7440-42-8 | |
| Potassium | 2.5 | mg/L | 0.50 | 1 | 09/15/23 13:12 | 09/17/23 15:09 | 7440-09-7 | |
| Sodium | 5.1 | mg/L | 1.0 | 1 | 09/15/23 13:12 | 09/17/23 15:09 | 7440-23-5 | |
| Calcium | 11.2 | mg/L | 1.0 | 1 | 09/15/23 13:12 | 09/17/23 15:09 | 7440-70-2 | |
| Magnesium | 1.8 | mg/L | 0.050 | 1 | 09/15/23 13:12 | 09/17/23 15:09 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Arsenic | ND | mg/L | 0.0050 | 1 | 09/15/23 09:34 | 09/15/23 19:30 | 7440-38-2 | |
| 2540C Total Dissolved Solids | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Total Dissolved Solids | 88.0 | mg/L | 25.0 | 1 | | 09/19/23 14:23 | | |
| 2320B Alkalinity | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | |
| Alkalinity, Bicarbonate (CaCO3) | 34.1 | mg/L | 5.0 | 1 | | 09/15/23 16:31 | | |
| Alkalinity, Total as CaCO3 | 34.1 | mg/L | 5.0 | 1 | | 09/15/23 16:31 | | |
| 300.0 IC Anions 28 Days | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | |
| Chloride | 4.7 | mg/L | 1.0 | 1 | | 09/15/23 14:23 | 16887-00-6 | |
| Fluoride | 0.17 | mg/L | 0.10 | 1 | | 09/15/23 14:23 | 16984-48-8 | |
| Sulfate | 7.7 | mg/L | 1.0 | 1 | | 09/15/23 14:23 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McDonough-CCR Ash Pond

Pace Project No.: 92687817

| Sample: MCD-CR-0.1 | Lab ID: 92687817005 | Collected: 09/12/23 13:40 | Received: 09/14/23 09:29 | Matrix: Water | | | | |
|--|---------------------|---------------------------|--------------------------|---------------|----------------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 6010D ATL ICP | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Boron | 0.043 | mg/L | 0.040 | 1 | 09/15/23 13:12 | 09/17/23 15:14 | 7440-42-8 | |
| Potassium | 3.4 | mg/L | 0.50 | 1 | 09/15/23 13:12 | 09/17/23 15:14 | 7440-09-7 | |
| Sodium | 9.4 | mg/L | 1.0 | 1 | 09/15/23 13:12 | 09/17/23 15:14 | 7440-23-5 | |
| Calcium | 7.0 | mg/L | 1.0 | 1 | 09/15/23 13:12 | 09/17/23 15:14 | 7440-70-2 | |
| Magnesium | 2.2 | mg/L | 0.050 | 1 | 09/15/23 13:12 | 09/17/23 15:14 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Cobalt | ND | mg/L | 0.0050 | 1 | 09/15/23 09:34 | 09/15/23 19:34 | 7440-48-4 | |
| Lithium | ND | mg/L | 0.030 | 1 | 09/15/23 09:34 | 09/15/23 19:34 | 7439-93-2 | |
| 2540C Total Dissolved Solids | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Total Dissolved Solids | 50.0 | mg/L | 25.0 | 1 | | 09/18/23 12:54 | | |
| 2320B Alkalinity | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | |
| Alkalinity, Bicarbonate (CaCO ₃) | 27.0 | mg/L | 5.0 | 1 | | 09/15/23 16:38 | | |
| Alkalinity, Total as CaCO ₃ | 27.0 | mg/L | 5.0 | 1 | | 09/15/23 16:38 | | |
| 300.0 IC Anions 28 Days | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | |
| Chloride | 9.5 | mg/L | 1.0 | 1 | | 09/15/23 15:10 | 16887-00-6 | |
| Fluoride | 0.13 | mg/L | 0.10 | 1 | | 09/15/23 15:10 | 16984-48-8 | |
| Sulfate | 7.1 | mg/L | 1.0 | 1 | | 09/15/23 15:10 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McDonough-CCR Ash Pond

Pace Project No.: 92687817

| Sample: MCD-CR+0.2 | Lab ID: 92687817006 | Collected: 09/12/23 13:44 | Received: 09/14/23 09:29 | Matrix: Water | | | | |
|--|---------------------|---------------------------|--------------------------|---------------|----------------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 6010D ATL ICP | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Boron | ND | mg/L | 0.040 | 1 | 09/15/23 13:12 | 09/17/23 15:19 | 7440-42-8 | |
| Potassium | 3.4 | mg/L | 0.50 | 1 | 09/15/23 13:12 | 09/17/23 15:19 | 7440-09-7 | |
| Sodium | 9.2 | mg/L | 1.0 | 1 | 09/15/23 13:12 | 09/17/23 15:19 | 7440-23-5 | |
| Calcium | 6.9 | mg/L | 1.0 | 1 | 09/15/23 13:12 | 09/17/23 15:19 | 7440-70-2 | |
| Magnesium | 2.2 | mg/L | 0.050 | 1 | 09/15/23 13:12 | 09/17/23 15:19 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Cobalt | ND | mg/L | 0.0050 | 1 | 09/15/23 09:34 | 09/15/23 19:38 | 7440-48-4 | |
| Lithium | ND | mg/L | 0.030 | 1 | 09/15/23 09:34 | 09/15/23 19:38 | 7439-93-2 | |
| 2540C Total Dissolved Solids | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Total Dissolved Solids | 65.0 | mg/L | 25.0 | 1 | | 09/18/23 12:54 | | |
| 2320B Alkalinity | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | |
| Alkalinity, Bicarbonate (CaCO ₃) | 26.5 | mg/L | 5.0 | 1 | | 09/15/23 16:44 | | |
| Alkalinity, Total as CaCO ₃ | 26.5 | mg/L | 5.0 | 1 | | 09/15/23 16:44 | | |
| 300.0 IC Anions 28 Days | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | |
| Chloride | 9.2 | mg/L | 1.0 | 1 | | 09/15/23 15:25 | 16887-00-6 | |
| Fluoride | 0.13 | mg/L | 0.10 | 1 | | 09/15/23 15:25 | 16984-48-8 | |
| Sulfate | 6.6 | mg/L | 1.0 | 1 | | 09/15/23 15:25 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McDonough-CCR Ash Pond

Pace Project No.: 92687817

| Sample: MCD-CR+0.4 | Lab ID: 92687817007 | Collected: 09/12/23 13:47 | Received: 09/14/23 09:29 | Matrix: Water | | | | |
|--|---------------------|---------------------------|--------------------------|---------------|----------------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 6010D ATL ICP | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Boron | 0.041 | mg/L | 0.040 | 1 | 09/15/23 13:12 | 09/17/23 15:35 | 7440-42-8 | |
| Potassium | 3.3 | mg/L | 0.50 | 1 | 09/15/23 13:12 | 09/17/23 15:35 | 7440-09-7 | |
| Sodium | 8.8 | mg/L | 1.0 | 1 | 09/15/23 13:12 | 09/17/23 15:35 | 7440-23-5 | |
| Calcium | 6.7 | mg/L | 1.0 | 1 | 09/15/23 13:12 | 09/17/23 15:35 | 7440-70-2 | |
| Magnesium | 2.1 | mg/L | 0.050 | 1 | 09/15/23 13:12 | 09/17/23 15:35 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Arsenic | ND | mg/L | 0.0050 | 1 | 09/15/23 09:34 | 09/15/23 19:42 | 7440-38-2 | |
| Cobalt | ND | mg/L | 0.0050 | 1 | 09/15/23 09:34 | 09/15/23 19:42 | 7440-48-4 | |
| Lithium | ND | mg/L | 0.030 | 1 | 09/15/23 09:34 | 09/15/23 19:42 | 7439-93-2 | |
| 2540C Total Dissolved Solids | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Total Dissolved Solids | 47.0 | mg/L | 25.0 | 1 | | 09/18/23 12:55 | | |
| 2320B Alkalinity | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | |
| Alkalinity, Bicarbonate (CaCO ₃) | 25.7 | mg/L | 5.0 | 1 | | 09/15/23 16:50 | | |
| Alkalinity, Total as CaCO ₃ | 25.7 | mg/L | 5.0 | 1 | | 09/15/23 16:50 | | |
| 300.0 IC Anions 28 Days | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | |
| Chloride | 9.1 | mg/L | 1.0 | 1 | | 09/15/23 15:41 | 16887-00-6 | |
| Fluoride | 0.13 | mg/L | 0.10 | 1 | | 09/15/23 15:41 | 16984-48-8 | |
| Sulfate | 6.8 | mg/L | 1.0 | 1 | | 09/15/23 15:41 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McDonough-CCR Ash Pond

Pace Project No.: 92687817

| Sample: MCD-DW_DS | Lab ID: 92687817008 | Collected: 09/12/23 13:35 | Received: 09/14/23 09:29 | Matrix: Water | | | | |
|--|---------------------|---------------------------|--------------------------|---------------|----------------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 6010D ATL ICP | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Boron | 0.050 | mg/L | 0.040 | 1 | 09/15/23 13:12 | 09/17/23 15:40 | 7440-42-8 | |
| Potassium | 3.3 | mg/L | 0.50 | 1 | 09/15/23 13:12 | 09/17/23 15:40 | 7440-09-7 | |
| Sodium | 9.4 | mg/L | 1.0 | 1 | 09/15/23 13:12 | 09/17/23 15:40 | 7440-23-5 | |
| Calcium | 7.1 | mg/L | 1.0 | 1 | 09/15/23 13:12 | 09/17/23 15:40 | 7440-70-2 | |
| Magnesium | 2.3 | mg/L | 0.050 | 1 | 09/15/23 13:12 | 09/17/23 15:40 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Cobalt | ND | mg/L | 0.0050 | 1 | 09/15/23 09:34 | 09/15/23 19:54 | 7440-48-4 | |
| Lithium | ND | mg/L | 0.030 | 1 | 09/15/23 09:34 | 09/15/23 19:54 | 7439-93-2 | |
| 2540C Total Dissolved Solids | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Total Dissolved Solids | 63.0 | mg/L | 25.0 | 1 | | 09/18/23 12:55 | | |
| 2320B Alkalinity | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | |
| Alkalinity, Bicarbonate (CaCO ₃) | 25.7 | mg/L | 5.0 | 1 | | 09/15/23 17:05 | | |
| Alkalinity, Total as CaCO ₃ | 25.7 | mg/L | 5.0 | 1 | | 09/15/23 17:05 | | |
| 300.0 IC Anions 28 Days | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | |
| Chloride | 9.6 | mg/L | 1.0 | 1 | | 09/15/23 15:56 | 16887-00-6 | |
| Fluoride | 0.13 | mg/L | 0.10 | 1 | | 09/15/23 15:56 | 16984-48-8 | |
| Sulfate | 7.8 | mg/L | 1.0 | 1 | | 09/15/23 15:56 | 14808-79-8 | |

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**ANALYTICAL RESULTS**

Project: Plant McDonough-CCR Ash Pond

Pace Project No.: 92687817

| Sample: MCD-DW_US | Lab ID: 92687817009 | Collected: 09/12/23 13:30 | Received: 09/14/23 09:29 | Matrix: Water | | | | |
|--|---------------------|---------------------------|--------------------------|---------------|----------------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 6010D ATL ICP | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Boron | ND | mg/L | 0.040 | 1 | 09/15/23 13:12 | 09/17/23 15:45 | 7440-42-8 | |
| Potassium | 3.2 | mg/L | 0.50 | 1 | 09/15/23 13:12 | 09/17/23 15:45 | 7440-09-7 | |
| Sodium | 8.5 | mg/L | 1.0 | 1 | 09/15/23 13:12 | 09/17/23 15:45 | 7440-23-5 | |
| Calcium | 6.4 | mg/L | 1.0 | 1 | 09/15/23 13:12 | 09/17/23 15:45 | 7440-70-2 | |
| Magnesium | 2.0 | mg/L | 0.050 | 1 | 09/15/23 13:12 | 09/17/23 15:45 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Cobalt | ND | mg/L | 0.0050 | 1 | 09/15/23 09:34 | 09/15/23 19:58 | 7440-48-4 | |
| Lithium | ND | mg/L | 0.030 | 1 | 09/15/23 09:34 | 09/15/23 19:58 | 7439-93-2 | |
| 2540C Total Dissolved Solids | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Total Dissolved Solids | 46.0 | mg/L | 25.0 | 1 | | 09/18/23 12:55 | | |
| 2320B Alkalinity | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | |
| Alkalinity, Bicarbonate (CaCO ₃) | 25.7 | mg/L | 5.0 | 1 | | 09/15/23 17:11 | | |
| Alkalinity, Total as CaCO ₃ | 25.7 | mg/L | 5.0 | 1 | | 09/15/23 17:11 | | |
| 300.0 IC Anions 28 Days | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | |
| Chloride | 9.0 | mg/L | 1.0 | 1 | | 09/15/23 16:12 | 16887-00-6 | |
| Fluoride | ND | mg/L | 0.10 | 1 | | 09/15/23 16:12 | 16984-48-8 | |
| Sulfate | 6.2 | mg/L | 1.0 | 1 | | 09/15/23 16:12 | 14808-79-8 | |

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ANALYTICAL RESULTS

Project: Plant McDonough-CCR Ash Pond

Pace Project No.: 92687817

| Sample: MCD-CR-0.2 | Lab ID: 92687817010 | Collected: 09/12/23 13:24 | Received: 09/14/23 09:29 | Matrix: Water | | | | |
|--|---------------------|---------------------------|--------------------------|---------------|----------------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 6010D ATL ICP | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Boron | ND | mg/L | 0.040 | 1 | 09/15/23 13:12 | 09/17/23 15:50 | 7440-42-8 | |
| Potassium | 3.4 | mg/L | 0.50 | 1 | 09/15/23 13:12 | 09/17/23 15:50 | 7440-09-7 | |
| Sodium | 9.0 | mg/L | 1.0 | 1 | 09/15/23 13:12 | 09/17/23 15:50 | 7440-23-5 | |
| Calcium | 6.8 | mg/L | 1.0 | 1 | 09/15/23 13:12 | 09/17/23 15:50 | 7440-70-2 | |
| Magnesium | 2.2 | mg/L | 0.050 | 1 | 09/15/23 13:12 | 09/17/23 15:50 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Cobalt | ND | mg/L | 0.0050 | 1 | 09/15/23 09:34 | 09/15/23 20:02 | 7440-48-4 | |
| Lithium | ND | mg/L | 0.030 | 1 | 09/15/23 09:34 | 09/15/23 20:02 | 7439-93-2 | |
| 2540C Total Dissolved Solids | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Total Dissolved Solids | 53.0 | mg/L | 25.0 | 1 | | 09/18/23 12:55 | | |
| 2320B Alkalinity | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | |
| Alkalinity, Bicarbonate (CaCO ₃) | 25.3 | mg/L | 5.0 | 1 | | 09/15/23 17:17 | | |
| Alkalinity, Total as CaCO ₃ | 25.3 | mg/L | 5.0 | 1 | | 09/15/23 17:17 | | |
| 300.0 IC Anions 28 Days | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | |
| Chloride | 9.2 | mg/L | 1.0 | 1 | | 09/15/23 16:58 | 16887-00-6 | |
| Fluoride | 0.11 | mg/L | 0.10 | 1 | | 09/15/23 16:58 | 16984-48-8 | |
| Sulfate | 6.4 | mg/L | 1.0 | 1 | | 09/15/23 16:58 | 14808-79-8 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Plant McDonough-CCR Ash Pond

Pace Project No.: 92687817

| Sample: MCD-CR-0.5 | Lab ID: 92687817011 | Collected: 09/12/23 13:15 | Received: 09/14/23 09:29 | Matrix: Water | | | | |
|--|---------------------|---------------------------|--------------------------|---------------|----------------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 6010D ATL ICP | | | | | | | | |
| Analytical Method: EPA 6010D Preparation Method: EPA 3010A | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Boron | ND | mg/L | 0.040 | 1 | 09/15/23 13:12 | 09/17/23 15:55 | 7440-42-8 | |
| Potassium | 3.2 | mg/L | 0.50 | 1 | 09/15/23 13:12 | 09/17/23 15:55 | 7440-09-7 | |
| Sodium | 8.6 | mg/L | 1.0 | 1 | 09/15/23 13:12 | 09/17/23 15:55 | 7440-23-5 | |
| Calcium | 6.5 | mg/L | 1.0 | 1 | 09/15/23 13:12 | 09/17/23 15:55 | 7440-70-2 | |
| Magnesium | 2.1 | mg/L | 0.050 | 1 | 09/15/23 13:12 | 09/17/23 15:55 | 7439-95-4 | |
| 6020 MET ICPMS | | | | | | | | |
| Analytical Method: EPA 6020B Preparation Method: EPA 3005A | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Cobalt | ND | mg/L | 0.0050 | 1 | 09/15/23 09:34 | 09/15/23 20:06 | 7440-48-4 | |
| Lithium | ND | mg/L | 0.030 | 1 | 09/15/23 09:34 | 09/15/23 20:06 | 7439-93-2 | |
| 2540C Total Dissolved Solids | | | | | | | | |
| Analytical Method: SM 2540C-2015 | | | | | | | | |
| Pace Analytical Services - Peachtree Corners, GA | | | | | | | | |
| Total Dissolved Solids | 50.0 | mg/L | 25.0 | 1 | | 09/19/23 17:35 | | |
| 2320B Alkalinity | | | | | | | | |
| Analytical Method: SM 2320B-2011 | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | |
| Alkalinity, Bicarbonate (CaCO ₃) | 25.5 | mg/L | 5.0 | 1 | | 09/15/23 17:23 | | |
| Alkalinity, Total as CaCO ₃ | 25.5 | mg/L | 5.0 | 1 | | 09/15/23 17:23 | | |
| 300.0 IC Anions 28 Days | | | | | | | | |
| Analytical Method: EPA 300.0 Rev 2.1 1993 | | | | | | | | |
| Pace Analytical Services - Asheville | | | | | | | | |
| Chloride | 9.2 | mg/L | 1.0 | 1 | | 09/15/23 17:14 | 16887-00-6 | |
| Fluoride | ND | mg/L | 0.10 | 1 | | 09/15/23 17:14 | 16984-48-8 | |
| Sulfate | 6.2 | mg/L | 1.0 | 1 | | 09/15/23 17:14 | 14808-79-8 | |

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Plant McDonough-CCR Ash Pond

Pace Project No.: 92687817

| | | | |
|-------------------------|---|-----------------------|--|
| QC Batch: | 799977 | Analysis Method: | EPA 6010D |
| QC Batch Method: | EPA 3010A | Analysis Description: | 6010D ATL |
| | | Laboratory: | Pace Analytical Services - Peachtree Corners, GA |
| Associated Lab Samples: | 92687817001, 92687817002, 92687817003, 92687817004, 92687817005, 92687817006, 92687817007, 92687817008, 92687817009, 92687817010, 92687817011 | | |

| | | | |
|-------------------------|---|---------|-------|
| METHOD BLANK: | 4143584 | Matrix: | Water |
| Associated Lab Samples: | 92687817001, 92687817002, 92687817003, 92687817004, 92687817005, 92687817006, 92687817007, 92687817008, 92687817009, 92687817010, 92687817011 | | |

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Boron | mg/L | ND | 0.040 | 09/17/23 14:17 | |
| Calcium | mg/L | ND | 1.0 | 09/17/23 14:17 | |
| Magnesium | mg/L | ND | 0.050 | 09/17/23 14:17 | |
| Potassium | mg/L | ND | 0.50 | 09/17/23 14:17 | |
| Sodium | mg/L | ND | 1.0 | 09/17/23 14:17 | |

| LABORATORY CONTROL SAMPLE: 4143585 | | | | | | |
|------------------------------------|-------|-------------|------------|-----------|--------------|------------|
| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
| Boron | mg/L | 1 | 0.95 | 95 | 80-120 | |
| Calcium | mg/L | 1 | .99J | 99 | 80-120 | |
| Magnesium | mg/L | 1 | 1.0 | 103 | 80-120 | |
| Potassium | mg/L | 1 | 0.85 | 85 | 80-120 | |
| Sodium | mg/L | 1 | ND | 100 | 80-120 | |

| MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4143586 | | | | | | | | | | | | 4143587 | |
|--|-------|-------------|--------|-------------|-------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| Parameter | Units | MS | | MSD | | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
| | | 92687817003 | Result | Spike Conc. | Spike Conc. | | | | | | | | |
| Boron | mg/L | 0.049 | 1 | 1 | 1 | 1.1 | 1.1 | 104 | 103 | 75-125 | 0 | 20 | |
| Calcium | mg/L | 11.7 | 1 | 1 | 1 | 12.5 | 12.4 | 89 | 71 | 75-125 | 1 | 20 | M1 |
| Magnesium | mg/L | 1.9 | 1 | 1 | 1 | 2.9 | 2.9 | 106 | 104 | 75-125 | 1 | 20 | |
| Potassium | mg/L | 2.7 | 1 | 1 | 1 | 3.7 | 3.6 | 104 | 92 | 75-125 | 3 | 20 | |
| Sodium | mg/L | 5.5 | 1 | 1 | 1 | 6.3 | 6.3 | 84 | 81 | 75-125 | 0 | 20 | |

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QUALITY CONTROL DATA

Project: Plant McDonough-CCR Ash Pond

Pace Project No.: 92687817

| | | | |
|-------------------------|---|-----------------------|--|
| QC Batch: | 799918 | Analysis Method: | EPA 6020B |
| QC Batch Method: | EPA 3005A | Analysis Description: | 6020 MET |
| | | Laboratory: | Pace Analytical Services - Peachtree Corners, GA |
| Associated Lab Samples: | 92687817001, 92687817002, 92687817003, 92687817004, 92687817005, 92687817006, 92687817007, 92687817008, 92687817009, 92687817010, 92687817011 | | |

| | | | |
|-------------------------|---|---------|-------|
| METHOD BLANK: | 4143353 | Matrix: | Water |
| Associated Lab Samples: | 92687817001, 92687817002, 92687817003, 92687817004, 92687817005, 92687817006, 92687817007, 92687817008, 92687817009, 92687817010, 92687817011 | | |

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Arsenic | mg/L | ND | 0.0050 | 09/15/23 18:19 | |
| Cobalt | mg/L | ND | 0.0050 | 09/15/23 18:19 | |
| Lithium | mg/L | ND | 0.030 | 09/15/23 18:19 | |

| LABORATORY CONTROL SAMPLE: 4143354 | | | | | | |
|------------------------------------|-------|-------------|------------|-----------|--------------|------------|
| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
| Arsenic | mg/L | 0.1 | 0.098 | 98 | 80-120 | |
| Cobalt | mg/L | 0.1 | 0.098 | 98 | 80-120 | |
| Lithium | mg/L | 0.1 | 0.098 | 98 | 80-120 | |

| MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4143355 | | | | | | | | | | | | 4143356 | |
|--|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|---------|--|
| Parameter | Units | 92687591008 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual | |
| Arsenic | mg/L | ND | 0.1 | 0.1 | 0.10 | 0.10 | 101 | 101 | 75-125 | 0 | 20 | | |
| Cobalt | mg/L | 12.0 ug/L | 0.1 | 0.1 | 0.12 | 0.12 | 103 | 104 | 75-125 | 1 | 20 | | |
| Lithium | mg/L | ND | 0.1 | 0.1 | 0.096 | 0.098 | 95 | 97 | 75-125 | 2 | 20 | | |

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QUALITY CONTROL DATA

Project: Plant McDonough-CCR Ash Pond

Pace Project No.: 92687817

QC Batch: 800282 Analysis Method: SM 2540C-2015
 QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92687817005, 92687817006, 92687817007, 92687817008, 92687817009, 92687817010

METHOD BLANK: 4144980 Matrix: Water
 Associated Lab Samples: 92687817005, 92687817006, 92687817007, 92687817008, 92687817009, 92687817010

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|------------------------|-------|--------------|-----------------|----------------|------------|
| Total Dissolved Solids | mg/L | ND | 25.0 | 09/18/23 12:43 | |

LABORATORY CONTROL SAMPLE: 4144981

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------------------|-------|-------------|------------|-----------|--------------|------------|
| Total Dissolved Solids | mg/L | 400 | 370 | 92 | 80-120 | |

SAMPLE DUPLICATE: 4144982

| Parameter | Units | 92687223010 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------------|-------|--------------------|------------|-----|---------|------------|
| Total Dissolved Solids | mg/L | ND | ND | | 10 | |

SAMPLE DUPLICATE: 4144983

| Parameter | Units | 92686679022 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------------|-------|--------------------|------------|-----|---------|------------|
| Total Dissolved Solids | mg/L | 560 | 567 | 1 | 10 | |

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QUALITY CONTROL DATA

Project: Plant McDonough-CCR Ash Pond

Pace Project No.: 92687817

| | | | |
|-------------------------|---------------------------------------|-----------------------|--|
| QC Batch: | 800459 | Analysis Method: | SM 2540C-2015 |
| QC Batch Method: | SM 2540C-2015 | Analysis Description: | 2540C Total Dissolved Solids |
| | | Laboratory: | Pace Analytical Services - Peachtree Corners, GA |
| Associated Lab Samples: | 92687817001, 92687817002, 92687817011 | | |

METHOD BLANK: 4145961 Matrix: Water

Associated Lab Samples: 92687817001, 92687817002, 92687817011

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|------------------------|-------|--------------|-----------------|----------------|------------|
| Total Dissolved Solids | mg/L | ND | 25.0 | 09/19/23 17:34 | |

LABORATORY CONTROL SAMPLE: 4145962

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------------------|-------|-------------|------------|-----------|--------------|------------|
| Total Dissolved Solids | mg/L | 400 | 378 | 94 | 80-120 | |

SAMPLE DUPLICATE: 4145963

| Parameter | Units | 92687817011 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------------|-------|--------------------|------------|-----|---------|------------|
| Total Dissolved Solids | mg/L | 50.0 | 51.0 | 2 | 10 | |

SAMPLE DUPLICATE: 4145964

| Parameter | Units | 92687572003 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------------|-------|--------------------|------------|-----|---------|------------|
| Total Dissolved Solids | mg/L | 77.0 | 81.0 | 5 | 10 | |

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QUALITY CONTROL DATA

Project: Plant McDonough-CCR Ash Pond

Pace Project No.: 92687817

| | | | |
|------------------|---------------|-----------------------|--|
| QC Batch: | 800526 | Analysis Method: | SM 2540C-2015 |
| QC Batch Method: | SM 2540C-2015 | Analysis Description: | 2540C Total Dissolved Solids |
| | | Laboratory: | Pace Analytical Services - Peachtree Corners, GA |

Associated Lab Samples: 92687817003, 92687817004

METHOD BLANK: 4146467 Matrix: Water

Associated Lab Samples: 92687817003, 92687817004

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|------------------------|-------|--------------|-----------------|----------------|------------|
| Total Dissolved Solids | mg/L | ND | 25.0 | 09/19/23 14:21 | |

LABORATORY CONTROL SAMPLE: 4146468

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------------------|-------|-------------|------------|-----------|--------------|------------|
| Total Dissolved Solids | mg/L | 400 | 379 | 95 | 80-120 | |

SAMPLE DUPLICATE: 4146469

| Parameter | Units | 92687621001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------------|-------|--------------------|------------|-----|---------|------------|
| Total Dissolved Solids | mg/L | 65.0 | 52.0 | 22 | 10 | D6 |

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QUALITY CONTROL DATA

Project: Plant McDonough-CCR Ash Pond

Pace Project No.: 92687817

| | | | |
|-------------------------|---|-----------------------|--------------------------------------|
| QC Batch: | 799970 | Analysis Method: | SM 2320B-2011 |
| QC Batch Method: | SM 2320B-2011 | Analysis Description: | 2320B Alkalinity |
| | | Laboratory: | Pace Analytical Services - Asheville |
| Associated Lab Samples: | 92687817001, 92687817002, 92687817003, 92687817004, 92687817005, 92687817006, 92687817007, 92687817008, 92687817009, 92687817010, 92687817011 | | |

| | | | |
|-------------------------|---|---------|-------|
| METHOD BLANK: | 4143554 | Matrix: | Water |
| Associated Lab Samples: | 92687817001, 92687817002, 92687817003, 92687817004, 92687817005, 92687817006, 92687817007, 92687817008, 92687817009, 92687817010, 92687817011 | | |

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------------------|-------|--------------|-----------------|----------------|------------|
| Alkalinity, Total as CaCO3 | mg/L | ND | 5.0 | 09/15/23 15:54 | |
| Alkalinity,Bicarbonate (CaCO3) | mg/L | ND | 5.0 | 09/15/23 15:54 | |

| LABORATORY CONTROL SAMPLE: 4143555 | | | | | | |
|------------------------------------|-------|-------------|------------|-----------|--------------|------------|
| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
| Alkalinity, Total as CaCO3 | mg/L | 50 | 51.6 | 103 | 80-120 | |

| LABORATORY CONTROL SAMPLE: 4143556 | | | | | | |
|------------------------------------|-------|-------------|------------|-----------|--------------|------------|
| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
| Alkalinity, Total as CaCO3 | mg/L | 50 | 50.2 | 100 | 80-120 | |

| MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4143557 | | | | | | | | | | | | 4143558 | |
|--|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|---------|--|
| Parameter | Units | 92686679021 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual | |
| Alkalinity, Total as CaCO3 | mg/L | 13.1 | 50 | 50 | 66.9 | 67.5 | 107 | 109 | 80-120 | 1 | 25 | | |

| MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4143559 | | | | | | | | | | | | 4143560 | |
|--|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|---------|--|
| Parameter | Units | 92686679022 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual | |
| Alkalinity, Total as CaCO3 | mg/L | 28.4 | 50 | 50 | 80.2 | 81.5 | 104 | 106 | 80-120 | 2 | 25 | | |

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QUALITY CONTROL DATA

Project: Plant McDonough-CCR Ash Pond

Pace Project No.: 92687817

| | | | |
|-------------------------|---|-----------------------|--------------------------------------|
| QC Batch: | 799893 | Analysis Method: | EPA 300.0 Rev 2.1 1993 |
| QC Batch Method: | EPA 300.0 Rev 2.1 1993 | Analysis Description: | 300.0 IC Anions |
| | | Laboratory: | Pace Analytical Services - Asheville |
| Associated Lab Samples: | 92687817001, 92687817002, 92687817003, 92687817004, 92687817005, 92687817006, 92687817007, 92687817008, 92687817009, 92687817010, 92687817011 | | |

| | | | |
|-------------------------|---|---------|-------|
| METHOD BLANK: | 4143260 | Matrix: | Water |
| Associated Lab Samples: | 92687817001, 92687817002, 92687817003, 92687817004, 92687817005, 92687817006, 92687817007, 92687817008, 92687817009, 92687817010, 92687817011 | | |

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Chloride | mg/L | ND | 1.0 | 09/15/23 12:02 | |
| Fluoride | mg/L | ND | 0.10 | 09/15/23 12:02 | |
| Sulfate | mg/L | ND | 1.0 | 09/15/23 12:02 | |

LABORATORY CONTROL SAMPLE: 4143261

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Chloride | mg/L | 50 | 50.1 | 100 | 90-110 | |
| Fluoride | mg/L | 2.5 | 2.5 | 100 | 90-110 | |
| Sulfate | mg/L | 50 | 50.8 | 102 | 90-110 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4143264 4143265

| Parameter | Units | 92687817009 | | 4143265 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|----------------|-----------------|-----------|------------|----------|-----------|--------------|--------|---------|------|
| | | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | | | | | | |
| Chloride | mg/L | 9.0 | 50 | 50 | 58.5 | 59.5 | 99 | 101 | 90-110 | 2 | 10 |
| Fluoride | mg/L | ND | 2.5 | 2.5 | 2.6 | 2.7 | 101 | 103 | 90-110 | 2 | 10 |
| Sulfate | mg/L | 6.2 | 50 | 50 | 55.8 | 56.9 | 99 | 101 | 90-110 | 2 | 10 |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4143456 4143457

| Parameter | Units | 92687817001 | | 4143457 | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|----------------|-----------------|-----------|------------|----------|-----------|--------------|--------|---------|------|
| | | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | | | | | | |
| Chloride | mg/L | 5.1 | 50 | 50 | 54.3 | 55.5 | 98 | 101 | 90-110 | 2 | 10 |
| Fluoride | mg/L | 0.19 | 2.5 | 2.5 | 2.7 | 2.8 | 100 | 103 | 90-110 | 3 | 10 |
| Sulfate | mg/L | 7.3 | 50 | 50 | 56.6 | 58.0 | 99 | 101 | 90-110 | 2 | 10 |

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QUALIFIERS

Project: Plant McDonough-CCR Ash Pond

Pace Project No.: 92687817

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant McDonough-CCR Ash Pond

Pace Project No.: 92687817

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|-------------|------------------------|----------|-------------------|------------------|
| 92687817001 | MCD-UT01_US | EPA 3010A | 799977 | EPA 6010D | 800078 |
| 92687817002 | MCD-UT02 | EPA 3010A | 799977 | EPA 6010D | 800078 |
| 92687817003 | MCD-UT03 | EPA 3010A | 799977 | EPA 6010D | 800078 |
| 92687817004 | MCD-UT01_DS | EPA 3010A | 799977 | EPA 6010D | 800078 |
| 92687817005 | MCD-CR-0.1 | EPA 3010A | 799977 | EPA 6010D | 800078 |
| 92687817006 | MCD-CR+0.2 | EPA 3010A | 799977 | EPA 6010D | 800078 |
| 92687817007 | MCD-CR+0.4 | EPA 3010A | 799977 | EPA 6010D | 800078 |
| 92687817008 | MCD-DW_DS | EPA 3010A | 799977 | EPA 6010D | 800078 |
| 92687817009 | MCD-DW_US | EPA 3010A | 799977 | EPA 6010D | 800078 |
| 92687817010 | MCD-CR-0.2 | EPA 3010A | 799977 | EPA 6010D | 800078 |
| 92687817011 | MCD-CR-0.5 | EPA 3010A | 799977 | EPA 6010D | 800078 |
| 92687817001 | MCD-UT01_US | EPA 3005A | 799918 | EPA 6020B | 800012 |
| 92687817002 | MCD-UT02 | EPA 3005A | 799918 | EPA 6020B | 800012 |
| 92687817003 | MCD-UT03 | EPA 3005A | 799918 | EPA 6020B | 800012 |
| 92687817004 | MCD-UT01_DS | EPA 3005A | 799918 | EPA 6020B | 800012 |
| 92687817005 | MCD-CR-0.1 | EPA 3005A | 799918 | EPA 6020B | 800012 |
| 92687817006 | MCD-CR+0.2 | EPA 3005A | 799918 | EPA 6020B | 800012 |
| 92687817007 | MCD-CR+0.4 | EPA 3005A | 799918 | EPA 6020B | 800012 |
| 92687817008 | MCD-DW_DS | EPA 3005A | 799918 | EPA 6020B | 800012 |
| 92687817009 | MCD-DW_US | EPA 3005A | 799918 | EPA 6020B | 800012 |
| 92687817010 | MCD-CR-0.2 | EPA 3005A | 799918 | EPA 6020B | 800012 |
| 92687817011 | MCD-CR-0.5 | EPA 3005A | 799918 | EPA 6020B | 800012 |
| 92687817001 | MCD-UT01_US | SM 2540C-2015 | 800459 | | |
| 92687817002 | MCD-UT02 | SM 2540C-2015 | 800459 | | |
| 92687817003 | MCD-UT03 | SM 2540C-2015 | 800526 | | |
| 92687817004 | MCD-UT01_DS | SM 2540C-2015 | 800526 | | |
| 92687817005 | MCD-CR-0.1 | SM 2540C-2015 | 800282 | | |
| 92687817006 | MCD-CR+0.2 | SM 2540C-2015 | 800282 | | |
| 92687817007 | MCD-CR+0.4 | SM 2540C-2015 | 800282 | | |
| 92687817008 | MCD-DW_DS | SM 2540C-2015 | 800282 | | |
| 92687817009 | MCD-DW_US | SM 2540C-2015 | 800282 | | |
| 92687817010 | MCD-CR-0.2 | SM 2540C-2015 | 800282 | | |
| 92687817011 | MCD-CR-0.5 | SM 2540C-2015 | 800459 | | |
| 92687817001 | MCD-UT01_US | SM 2320B-2011 | 799970 | | |
| 92687817002 | MCD-UT02 | SM 2320B-2011 | 799970 | | |
| 92687817003 | MCD-UT03 | SM 2320B-2011 | 799970 | | |
| 92687817004 | MCD-UT01_DS | SM 2320B-2011 | 799970 | | |
| 92687817005 | MCD-CR-0.1 | SM 2320B-2011 | 799970 | | |
| 92687817006 | MCD-CR+0.2 | SM 2320B-2011 | 799970 | | |
| 92687817007 | MCD-CR+0.4 | SM 2320B-2011 | 799970 | | |
| 92687817008 | MCD-DW_DS | SM 2320B-2011 | 799970 | | |
| 92687817009 | MCD-DW_US | SM 2320B-2011 | 799970 | | |
| 92687817010 | MCD-CR-0.2 | SM 2320B-2011 | 799970 | | |
| 92687817011 | MCD-CR-0.5 | SM 2320B-2011 | 799970 | | |
| 92687817001 | MCD-UT01_US | EPA 300.0 Rev 2.1 1993 | 799893 | | |

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant McDonough-CCR Ash Pond
 Pace Project No.: 92687817

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|-------------|------------------------|----------|-------------------|------------------|
| 92687817002 | MCD-UT02 | EPA 300.0 Rev 2.1 1993 | 799893 | | |
| 92687817003 | MCD-UT03 | EPA 300.0 Rev 2.1 1993 | 799893 | | |
| 92687817004 | MCD-UT01_DS | EPA 300.0 Rev 2.1 1993 | 799893 | | |
| 92687817005 | MCD-CR-0.1 | EPA 300.0 Rev 2.1 1993 | 799893 | | |
| 92687817006 | MCD-CR+0.2 | EPA 300.0 Rev 2.1 1993 | 799893 | | |
| 92687817007 | MCD-CR+0.4 | EPA 300.0 Rev 2.1 1993 | 799893 | | |
| 92687817008 | MCD-DW_DS | EPA 300.0 Rev 2.1 1993 | 799893 | | |
| 92687817009 | MCD-DW_US | EPA 300.0 Rev 2.1 1993 | 799893 | | |
| 92687817010 | MCD-CR-0.2 | EPA 300.0 Rev 2.1 1993 | 799893 | | |
| 92687817011 | MCD-CR-0.5 | EPA 300.0 Rev 2.1 1993 | 799893 | | |

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document
 The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
 Required Client Information:

Company: **ANCOBIB** Address: **3001 Peach Ferry Rd**
 Atlanta, GA 30329
 Contact: **localy_shipping@pacnet.com** Fax: **(770)984-6584**
 Requested Date: **5 Day TAT**

Section B
 Required Project Information:

Request To: **Robert Shorne, William Arrison**
 Copy To: **Ben Hodges, John Ableson**
 Copy To: **[Blank]**
 Project Name: **Paul McDonough/PCR-Arn Ford Clearance**
 Project #:

Section C
 Analytical Information:

Attention: **[Blank]** Company Name: **[Blank]**
 Address: **[Blank]**
 Phone Order: **[Blank]**
 Price Project Manager: **mary.patt@pacnet.com**
 Part Price # **1286**

WO# : 92687817
WARRANT INFORMATION
92687817

Page: **1** of **1**

| ITEM # | SAMPLE ID | MATERIAL CODE | SAMPLE TYPE | COLLECTED | | DATE | TIME | ANALYSIS TEST | TEMP | PRESERVED | CONTAINERS | ANALYSIS TEST | TEMP | PRESERVED | CONTAINERS |
|--------|--------------|---------------|-------------|-----------|------|---------|------|---------------|------|-----------|------------|---------------|------|-----------|------------|
| | | | | START | END | | | | | | | | | | |
| 1 | MCO-LTR01 US | WBS G | G-DRAW | 7/13/13 | 0558 | 7/13/13 | 0558 | 3 | X | X | X | | | | |
| 2 | MCO-LTR02 | WBS G | G-DRAW | 7/13/13 | 0558 | 7/13/13 | 0558 | 3 | X | X | X | | | | |
| 3 | MCO-LTR03 | WBS G | G-DRAW | 7/13/13 | 0558 | 7/13/13 | 0558 | 3 | X | X | X | | | | |
| 4 | MCO-LTR04 | WBS G | G-DRAW | 7/13/13 | 0558 | 7/13/13 | 0558 | 3 | X | X | X | | | | |
| 5 | MCO-LTR05 | WBS G | G-DRAW | 7/13/13 | 0558 | 7/13/13 | 0558 | 3 | X | X | X | | | | |
| 6 | MCO-CTR01 | WBS G | G-DRAW | 7/13/13 | 0558 | 7/13/13 | 0558 | 3 | X | X | X | | | | |
| 7 | MCO-CTR02 | WBS G | G-DRAW | 7/13/13 | 0558 | 7/13/13 | 0558 | 3 | X | X | X | | | | |
| 8 | MCO-CTR03 | WBS G | G-DRAW | 7/13/13 | 0558 | 7/13/13 | 0558 | 3 | X | X | X | | | | |
| 9 | MCO-CTR04 | WBS G | G-DRAW | 7/13/13 | 0558 | 7/13/13 | 0558 | 3 | X | X | X | | | | |
| 10 | MCO-CTR05 | WBS G | G-DRAW | 7/13/13 | 0558 | 7/13/13 | 0558 | 3 | X | X | X | | | | |
| 11 | MCO-CTR06 | WBS G | G-DRAW | 7/13/13 | 0558 | 7/13/13 | 0558 | 3 | X | X | X | | | | |
| 12 | MCO-CTR07 | WBS G | G-DRAW | 7/13/13 | 0558 | 7/13/13 | 0558 | 3 | X | X | X | | | | |

ADDITIONAL COMMENTS: **[Blank]**

REQUISITIONED BY/AFFILIATION: **VP / Arcadis** DATE: **7/11/13** TIME: **0915**

ACQUIRED BY/AFFILIATION: **ADP** DATE: **7-10-13** TIME: **0925**

ANALYST SIGNATURE: **[Signature]** DATE SIGNED: **7-14-13**

TEMP in C: **[Blank]**

Received on: **[Blank]**

Lab: **[Blank]**

Analyst: **[Blank]**

Checked: **[Blank]**

Sample ID: **[Blank]**

Temp: **[Blank]**



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name: **ARCADIS**

Project #:

WO#: **92687817**

PH: NP

Due Date: 09/21/23

CLIENT: GA-BroadBelt

Courier: Fed Ex UPS USPS Client
 Commercial Pace Other

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initial Person Examining Contents: **9-14-23**

Packing Material: Bubble Wrap Bubble Bags None Other

Biological System Frozen? Yes No N/A

Thermometers: IR Gun ID: **093**

Type of Ice: Wet Blue None

Cooler Temp: **16.6** Correction Factor: Add/Subtract (°C) **0.0**

Temp should be above freezing to 6°C

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

Cooler Temp Corrected (°C): **16.6**

USDA Regulated Soil (N/A, water sample)

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

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

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

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



Effective Date: 11/14/2022

WO# : 92687817

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

PN: 1P

Due Date: 09/21/23

Exceptions: VOA, Coliform, TOC, O₂ and Grease, DRD/BD15 (water) DOC, UHg

CLIENT: GA-ArcadRII

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

| Item # | BP40-125 mL Plastic Unpreserved (N/A) (C1) | BP3L-750 mL Plastic Unpreserved (N/A) | BP2L-500 mL Plastic Unpreserved (N/A) | BP1L-1 liter Plastic Unpreserved (N/A) | BP4S-125 mL Plastic H2SO4 (pH < 2) (C1) | BP3N-250 mL Plastic HNO3 (pH < 2) | BP4E-125 mL Plastic 2% Acetate & NaOH (>9) | BP4O-125 mL Plastic NaOH (pH > 12) (C1) | WGRL-Wide-mouthed Glass Jar Unpreserved | AG1L-1 liter Amber Unpreserved (N/A) (C1) | AG3H-1 liter Amber HCl (pH < 2) | AG3U-250 mL Amber Unpreserved (N/A) (C1) | AG1S-1 liter Amber H2SO4 (pH < 2) | AG3S-250 mL Amber H2SO4 (pH < 2) | DG94-40 mL Amber NH4Cl (N/A)(C1) | DG9H-40 mL VOA HCl (N/A) | VG9T-40 mL VOA Na2S2O3 (N/A) | VG9U-40 mL VOA Unpreserved (N/A) | DG9U-40 mL VOA H3PO4 (N/A) | KP7U-50 mL Plastic Unpreserved (N/A) | V/Gal (3 vials per 1 qt) VP-n Gas kit (N/A) | SP3S-125 mL Sterile Plastic (N/A - lab) | SP2T-250 mL Sterile Plastic (N/A - lab) | BP3B-250 mL Plastic (NH4)2SO4 (9.3-9.7) | AG6U-100 mL Amber Unpreserved (N/A) (C1) | VSCU-20 mL Scintillation vial (N/A) | DG9U-40 mL Amber Unpreserved vials (N/A) | | |
|--------|--|---------------------------------------|---------------------------------------|--|---|-----------------------------------|--|---|---|---|---------------------------------|--|-----------------------------------|----------------------------------|----------------------------------|--------------------------|------------------------------|----------------------------------|----------------------------|--------------------------------------|---|---|---|---|--|-------------------------------------|--|--|--|
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |

pH Adjustment Log for Preserved Samples

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

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

APPENDIX B

Data Validation Summary

Quality Control Review of Analytical Data- Ash Pond AP-2 and 3/4 Submitted by Pace Analytical Services, LLC September 2023

This narrative presents results of the quality control (QC) data review performed on analytical data submitted by Pace Analytical Services, LLC. for groundwater samples collected at Plant McDonough CCR Ash Pond AP-2 and 3/4 (Site) between September 6 and September 13, 2023. The chemical data were reviewed to identify quality issues which could affect the use of the data for decision making purposes.

Information regarding the primary sample locations, analytical parameters, QC samples, sampling dates, and laboratory sample delivery group (SDG) designations is summarized in Table 1. In accordance with groundwater monitoring and corrective action procedures discussed in Title 40 CFR, Subpart D - Standards for the Disposal of Coal Combustion Residuals in Landfills and Surface Impoundments, the samples were analyzed for detection monitoring constituents listed in 40 CFR, Part 257, Appendix III and assessment monitoring constituents listed in 40 CFR, Part 257, Appendix IV. Groundwater samples were also analyzed for alkalinity, sulfide, and total iron. Test methods included Inductively Coupled Plasma- Mass Spectrometry (ICP-MS) (USEPA Method 6020B), Mercury in Liquid Wastes (USEPA Method 7470A), Inductively Coupled Plasma (ICP) (6010D), Determination of Inorganic Anions By Ion Chromatography (USEPA Method 300.0), Total Dissolved Solids (TDS) (Standard Methods 2540C), Radium-226 (USEPA Method 9315), Radium-228 (USEPA Method 9320), Alkalinity by Titration (Standard Methods 2320B), and Sulfide (Standard Methods SM 4500-S2D). Additional surface water samples were collected and analyzed for USEPA Method 6020B, 6010D, 300.0, TDS, and Alkalinity by Titration through Standard Method 2320B (SM2320B).

Data were reviewed in accordance with the US EPA Region IV Data Validation Standard Operating Procedures for Contract Laboratory Program (CLP) Inorganic Data by Inductively Coupled Plasma – Atomic Emission Spectroscopy and Inductively Coupled Plasma – Mass Spectroscopy (September 2011, Rev. 2.0), US EPA Region IV Data Validation Standard Operating Procedures for CLP Mercury Data by Cold Vapor Atomic Absorption (September 2011, Rev. 2.0), the National Functional Guidelines for Inorganic Superfund Methods Data Review (November 2020), and US Department of Energy, Evaluation of Radiochemical Data Usability (April 1997). The review included an assessment of the results for completeness, precision (laboratory and field duplicates, matrix spike/matrix spike duplicates), accuracy (laboratory control samples and matrix spike samples), and blank contamination (including field and laboratory blanks). Additionally, sample procedures, holding times and chains-of-custody were reviewed. Where there was a discrepancy between the QC criteria in the guidelines and the QC criterion established in the analytic methodology, method-specific criteria or professional judgment was used.

DATA QUALITY OBJECTIVES

- Laboratory Precision:** Laboratory goals for precision were met with the exception of TDS, as described in the qualification sections below.
- Field Precision:** Field goals for precision were met with the exception of sulfate, calcium, iron, magnesium, potassium, sodium, and mercury, as described in the qualification sections below.
- Accuracy:** Laboratory goals for accuracy were met with the exception of calcium, sodium, magnesium, potassium, and sulfate as described in the qualification sections below.
- Detection Limits and Blanks:** Project goals for detection limits were met. Certain samples were diluted due to elevated concentrations of target analytes. Dilutions do not require

qualifications based on USEPA guidelines. Detection and reporting limits of non-detect compounds are elevated proportional to the dilution when undiluted sample results are not provided by the laboratory. The data usability of diluted results was evaluated by the data user in the context of site-wide characterization. Detections were found in certain blank results, as described in the qualification sections below.

Completeness: There were no rejected analytical results for this event, resulting in a completion of 100%.

Representativeness: All holding time and sample preservation requirements were met in accordance with specific analytical methods except total dissolved solids, alkalinity, chloride, fluoride, and sulfate for surface water samples as described in the qualification section below.

QUALIFICATIONS

In general, chemical results for the samples collected at the Site were qualified on the basis of precision or accuracy, or on the basis of professional judgment. The following definitions provide brief explanations of the qualifiers which may have been assigned to data by the laboratory during the data validation process.

| | |
|-----------|---|
| J | The analyte was reported above the method detection limit and below the reporting limit. The concentration reported is an estimated value. |
| J- | The analyte was reported above the method detection limit; however, the concentration reported is an estimated value that may be biased low. |
| U | The analyte was not detected above the method detection limit. |
| UJ | The analyte was not detected at a level greater than or equal to the reporting limit. However, the reporting limit is approximate and may be inaccurate or imprecise. |

The data generated as part of this sampling event met the QC criteria established in the respective analytical methods and data validation guidelines except as specified below. Although these qualifications were applied to some data from samples collected at the site (see Table 1), qualifications may not have been required or applied to all samples collected. A summary of sample qualifications can be found in Table 2.

- In SDG 92686679, a project-specific laboratory duplicate for sample MCD-B-98 exceeded the RPD criteria for TDS. The result was qualified as estimated, J.
- Field duplicate RPD values were outside of QC for select analytes in SDG 92686679. Both primary and duplicate samples' sulfate result was qualified as estimated, J due to both results being greater than 5x the RL. The primary and/or duplicate sample results for calcium, iron, magnesium, potassium, and sodium were less than 5x the RL. Additionally, the absolute difference between the results was greater than the maximum of the corresponding RLs and the associated results were qualified as estimated, J.

-
- Field duplicate RPDs exceeded criteria in SDG 92686947 for select iron and mercury results. Qualification was not required because the primary and/or duplicate sample result was less than 5x the RL and the difference between the results was less than the RL.
 - Certain calcium and sodium results from SDG 92686676 and calcium from SDG 92687817 had matrix spike duplicate (MSD) recoveries below the lower QC criteria. All corresponding sample results were greater than 4x the added spike concentration and therefore no qualification was required.
 - In SDG 92686679, certain calcium, magnesium, and potassium results had matrix spike and matrix spike duplicate (MS/MSD) recoveries outside of the QC criteria. All sample results were greater than 4x the added spike concentration and therefore no qualification was required.
 - Certain sulfate results from SDG 92686947 had MS/MSD recoveries below QC criteria. The associated sample was qualified as estimated, bias low (J-).
 - Certain antimony, boron, molybdenum, chromium, and magnesium results from SDGs 92686679 and 92686947 were detected at a similar level in the associated blank sample. As shown in Table 2, if the original sample results were below the RL, the results were qualified U and the results were raised to the RL. When the associated sample being non-detect or having a concentration 10x greater than the blank concentration, no qualification was required.
 - TDS was detected in the equipment blank from SDG 92686947, and sample MCD-DGWC-11 was qualified as U, non-detect, and the RL was raised to the sample result.
 - All results except metals from SDG 92687817 were qualified as estimated (J/UJ) due to arriving to the laboratory outside of temperature criteria.

WSP reviewed the data from samples collected at Plant McDonough CCR Ash Pond AP-2 and 3/4 between September 6 and September 23, 2023 in accordance with the analytical methods, the laboratory specific QC criteria, and the guidelines. As described above, 100% of the results were acceptable for project use.

REFERENCE

Paar, J.G. & Porterfield, D.R. *Evaluation of Radiochemical Data Usability*. United States Department of Energy, Office of Environmental Restoration and Waste Management, Oak Ridge National Laboratory, April 1997.

US EPA, November 2020, National Functional Guidelines for Inorganic Superfund Methods Data Review, Office of Superfund Remediation and Technology Innovation. OLEM 9240.0-51 [EPA 540-R-20-005]. Washington. DC, November 2020.

USEPA, September 2011, Region 4, Science and Ecosystem Support Division, Quality Assurance Section, MTSB, *Data Validation Standard Operating Procedures for Contract Laboratory Program Inorganic Data By Inductively Coupled Plasma – Atomic Emission Spectroscopy and Inductively Coupled Plasma – Mass Spectroscopy*, Revision 2.0.

USEPA, September 2011, Region 4, Science and Ecosystem Support Division, Quality Assurance Section, MTSB, *Data Validation Standard Operating Procedures for Contract Laboratory Program Mercury Data By Cold Vapor Atomic Absorption*, Revision 2.0.

TABLE 1
Sample Summary Table
SCS Plant McDonough Ash Pond 2 and 3/4

| SDGs | Field Identification | Collection Date | Lab Identification | Matrix | QC Samples | Analyses | | | | | | | | |
|----------|----------------------|-----------------|--------------------|--------|-----------------|---------------------------|-----------------------|---------------------|--------------------------|--------------------|---------------------|-----------------------|-----------------------|-----------------------|
| | | | | | | Total Mercury (EPA 7470A) | Alkalinity (SM 2320B) | TDS (SM 2540C-2011) | Total Metals (EPA 6020B) | Anions (EPA 300.0) | Cations (EPA 6010D) | Sulfide (SM 4500-S2D) | Radium-226 (EPA 9315) | Radium-228 (EPA 9320) |
| 92686676 | MCD-DGWA-70A | 9/7/2023 | 92686676001 | WG | - | | X | X | X | X | X | X | - | - |
| 92686676 | MCD-DGWA-71 | 9/7/2023 | 92686676002 | WG | - | X | X | X | X | X | X | X | - | - |
| 92686676 | MCD-DGWA-53 | 9/7/2023 | 92686676003 | WG | - | X | X | X | X | X | X | X | - | - |
| 92686679 | MCD-B-93 | 9/6/2023 | 92686679001 | WG | - | X | X | X | X | X | X | X | X | X |
| 92686679 | MCD-B-92 | 9/6/2023 | 92686679002 | WG | - | X | X | X | X | X | X | X | X | X |
| 92686679 | MCD-B-97 | 9/6/2023 | 92686679003 | WG | - | X | X | X | X | X | X | X | X | X |
| 92686679 | MCD-B-98 | 9/6/2023 | 92686679004 | WG | - | X | X | X | X | X | X | X | - | - |
| 92686679 | MCD-AP234-FB-4 | 9/6/2023 | 92686679005 | WQ | FB (MCD-B-93) | X | X | X | X | X | X | X | - | - |
| 92686679 | MCD-AP234-EB-4 | 9/6/2023 | 92686679006 | WQ | EB (MCD-B-92) | X | X | X | X | X | X | X | X | X |
| 92686679 | MCD-B-63 | 9/7/2023 | 92686679007 | WG | - | X | X | X | X | X | X | X | X | X |
| 92686679 | MCD-B-122D | 9/7/2023 | 92686679008 | WG | - | X | X | X | X | X | X | X | - | - |
| 92686679 | MCD-B-101D | 9/8/2023 | 92686679009 | WG | - | X | X | X | X | X | X | X | - | - |
| 92686679 | MCD-B-56 | 9/8/2023 | 92686679010 | WG | - | X | X | X | X | X | X | X | - | - |
| 92686679 | MCD-AP234-FD-5 | 9/7/2023 | 92686679011 | WG | FD (MCD-B-122D) | X | X | X | X | X | X | X | - | - |
| 92686679 | MCD-AP234-FB-5 | 9/7/2023 | 92686679012 | WQ | FB (MCD-B-63) | X | X | X | X | X | X | X | - | - |
| 92686679 | MCD-B-102D | 9/11/2023 | 92686679013 | WG | - | X | X | X | X | X | X | X | - | - |
| 92686679 | MCD-B-82 | 9/11/2023 | 92686679014 | WG | - | X | X | X | X | X | X | X | - | - |
| 92686679 | MCD-B-66 | 9/11/2023 | 92686679015 | WG | - | X | X | X | X | X | X | X | - | - |
| 92686679 | MCD-B-106D | 9/11/2023 | 92686679016 | WG | - | X | X | X | X | X | X | X | - | - |
| 92686679 | MCD-AP234-FD-4 | 9/11/2023 | 92686679017 | WG | FD (MCD-B-82) | X | X | X | X | X | X | X | - | - |
| 92686679 | MCD-AP234-EB-5 | 9/11/2023 | 92686679018 | WQ | EB (MCD-B-102D) | X | X | X | X | X | X | X | - | - |
| 92686679 | MCD-B-77 | 9/12/2023 | 92686679019 | WG | - | X | X | X | X | X | X | X | - | - |
| 92686679 | MCD-B-83 | 9/12/2023 | 92686679020 | WG | - | X | X | X | X | X | X | X | - | - |
| 92686679 | MCD-B-88 | 9/12/2023 | 92686679021 | WG | - | X | X | X | X | X | X | X | - | - |
| 92686679 | MCD-B-107D | 9/12/2023 | 92686679022 | WG | - | X | X | X | X | X | X | X | - | - |
| 92686679 | MCD-B-120D | 9/12/2023 | 92686679023 | WG | - | X | X | X | X | X | X | X | - | - |
| 92686679 | MCD-B-104D | 9/13/2023 | 92686679024 | WG | - | X | X | X | X | X | X | X | - | - |
| 92686679 | MCD-B-108D | 9/13/2023 | 92686679025 | WG | - | X | X | X | X | X | X | X | - | - |
| 92686679 | MCD-B-111D | 9/13/2023 | 92686679026 | WG | - | X | X | X | X | X | X | X | - | - |
| 92686679 | MCD-B-125D | 9/13/2023 | 92686679027 | WG | - | X | X | X | X | X | X | X | - | - |
| 92686947 | MCD-DGWC-14 | 9/8/2023 | 92686947001 | WG | - | X | X | X | X | X | X | X | - | - |
| 92686947 | MCD-DGWC-11 | 9/8/2023 | 92686947002 | WG | - | X | X | X | X | X | X | X | - | - |
| 92686947 | MCD-DGWC-15 | 9/8/2023 | 92686947003 | WG | - | X | X | X | X | X | X | X | - | - |
| 92686947 | MCD-DGWC-19 | 9/8/2023 | 92686947004 | WG | - | X | X | X | X | X | X | X | - | - |
| 92686947 | MCD-DGWC-13 | 9/8/2023 | 92686947005 | WG | - | X | X | X | X | X | X | X | - | - |

TABLE 1
Sample Summary Table
SCS Plant McDonough Ash Pond 2 and 3/4

| SDGs | Field Identification | Collection Date | Lab Identification | Matrix | QC Samples | Analyses | | | | | | | | |
|----------|----------------------|-----------------|--------------------|--------|------------------|---------------------------|-----------------------|---------------------|--------------------------|--------------------|---------------------|-----------------------|-----------------------|-----------------------|
| | | | | | | Total Mercury (EPA 7470A) | Alkalinity (SM 2320B) | TDS (SM 2540C-2011) | Total Metals (EPA 6020B) | Anions (EPA 300.0) | Cations (EPA 6010D) | Sulfide (SM 4500-S2D) | Radium-226 (EPA 9315) | Radium-228 (EPA 9320) |
| 92686947 | MCD-DGWC-13 | 9/8/2023 | 92686947006 | WG | - | X | X | X | X | X | X | X | - | - |
| 92686947 | MCD-AP234-FD-2 | 9/8/2023 | 92686947007 | WG | FD (MCD-DGWC-15) | X | X | X | X | X | X | X | - | - |
| 92686947 | MCD-AP234-FB-2 | 9/8/2023 | 92686947008 | WQ | FB (MCD-DGWC-19) | X | X | X | X | X | X | X | - | - |
| 92686947 | MCD-AP234-EB-2 | 9/8/2023 | 92686947009 | WQ | EB (MCD-DGWC-11) | X | X | X | X | X | X | X | - | - |
| 92686947 | MCD-DGWC-20 | 9/11/2023 | 92686947010 | WG | - | X | X | X | X | X | X | X | - | - |
| 92686947 | MCD-DGWC-12 | 9/11/2023 | 92686947011 | WG | - | X | X | X | X | X | X | X | - | - |
| 92686947 | MCD-DGWC-21 | 9/11/2023 | 92686947012 | WG | - | X | X | X | X | X | X | X | - | - |
| 92686947 | MCD-DGWC-22 | 9/11/2023 | 92686947013 | WG | - | X | X | X | X | X | X | X | - | - |
| 92686947 | MCD-DGWC-10 | 9/11/2023 | 92686947014 | WG | - | X | X | X | X | X | X | X | - | - |
| 92686947 | MCD-DGWC-23 | 9/11/2023 | 92686947015 | WG | - | X | X | X | X | X | X | X | - | - |
| 92686947 | MCD-AP234-FD-3 | 9/11/2023 | 92686947016 | WG | FD (MCD-DGWC-21) | X | X | X | X | X | X | X | - | - |
| 92686947 | MCD-AP234-FB-3 | 9/11/2023 | 92686947017 | WQ | FB (MCD-DGWC-20) | X | X | X | X | X | X | X | - | - |
| 92686947 | MCD-AP234-EB-3 | 9/11/2023 | 92686947018 | WQ | EB (MCD-DGWC-23) | X | X | X | X | X | X | X | - | - |
| 92686947 | MCD-DGWC-47 | 9/12/2023 | 92686947019 | WG | - | X | X | X | X | X | X | X | - | - |
| 92686947 | MCD-DGWC-8 | 9/12/2023 | 92686947020 | WG | - | X | X | X | X | X | X | X | - | - |
| 92686947 | MCD-DGWC-2 | 9/13/2023 | 92686947021 | WG | - | X | X | X | X | X | X | X | - | - |
| 92686947 | MCD-DGWC-5 | 9/13/2023 | 92686947022 | WG | - | X | X | X | X | X | X | X | - | - |
| 92686947 | MCD-DGWC-17 | 9/13/2023 | 92686947023 | WG | - | X | X | X | X | X | X | X | - | - |
| 92686947 | MCD-DGWC-42 | 9/13/2023 | 92686947024 | WG | - | X | X | X | X | X | X | X | - | - |
| 92686947 | MCD-DGWC-48 | 9/13/2023 | 92686947025 | WG | - | X | X | X | X | X | X | X | - | - |
| 92686681 | MCD-B-100 | 9/6/2023 | 92686681001 | WG | - | X | X | X | X | X | X | X | - | - |
| 92686681 | MCD-B-62 | 9/7/2023 | 92686681002 | WG | - | X | X | X | X | X | X | X | - | - |
| 92686685 | MCD-DGWA-70A | 9/6/2023 | 92686685001 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686685 | MCD-DGWA-71 | 9/6/2023 | 92686685002 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686685 | MCD-DGWA-53 | 9/7/2023 | 92686685003 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686980 | MCD-DGWC-14 | 9/8/2023 | 92686980001 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686980 | MCD-DGWC-11 | 9/8/2023 | 92686980002 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686980 | MCD-DGWC-15 | 9/8/2023 | 92686980003 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686980 | MCD-DGWC-19 | 9/8/2023 | 92686980004 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686980 | MCD-DGWC-13 | 9/8/2023 | 92686980005 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686980 | MCD-AP234-FD-2 | 9/8/2023 | 92686980006 | WG | FD (MCD-DGWC-15) | - | - | - | - | - | - | - | X | X |
| 92686980 | MCD-AP234-FB-2 | 9/8/2023 | 92686980007 | WQ | FB (MCD-DGWC-19) | - | - | - | - | - | - | - | X | X |
| 92686980 | MCD-AP234-EB-2 | 9/8/2023 | 92686980008 | WQ | EB (MCD-DGWC-11) | - | - | - | - | - | - | - | X | X |
| 92686980 | MCD-DGWC-20 | 9/11/2023 | 92686980009 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686980 | MCD-DGWC-12 | 9/11/2023 | 92686980010 | WG | - | - | - | - | - | - | - | - | X | X |

TABLE 1

Sample Summary Table
SCS Plant McDonough Ash Pond 2 and 3/4

| SDGs | Field Identification | Collection Date | Lab Identification | Matrix | QC Samples | Analyses | | | | | | | | |
|----------|----------------------|-----------------|--------------------|--------|------------------|---------------------------|-----------------------|---------------------|--------------------------|--------------------|---------------------|-----------------------|-----------------------|-----------------------|
| | | | | | | Total Mercury (EPA 7470A) | Alkalinity (SM 2320B) | TDS (SM 2540C-2011) | Total Metals (EPA 6020B) | Anions (EPA 300.0) | Cations (EPA 6010D) | Sulfide (SM 4500-S2D) | Radium-226 (EPA 9315) | Radium-228 (EPA 9320) |
| 92686980 | MCD-DGWC-21 | 9/11/2023 | 92686980011 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686980 | MCD-DGWC-22 | 9/11/2023 | 92686980012 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686980 | MCD-DGWC-10 | 9/11/2023 | 92686980013 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686980 | MCD-DGWC-23 | 9/11/2023 | 92686980014 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686980 | MCD-AP234-FD-3 | 9/11/2023 | 92686980015 | WG | FD (MCD-DGWC-21) | - | - | - | - | - | - | - | X | X |
| 92686980 | MCD-AP234-FB-3 | 9/11/2023 | 92686980016 | WQ | FB (MCD-DGWC-20) | - | - | - | - | - | - | - | X | X |
| 92686980 | MCD-AP234-EB-3 | 9/11/2023 | 92686980017 | WQ | EB (MCD-DGWC-23) | - | - | - | - | - | - | - | X | X |
| 92686980 | MCD-DGWC-47 | 9/12/2023 | 92686980018 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686980 | MCD-DGWC-8 | 9/12/2023 | 92686980019 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686980 | MCD-DGWC-2 | 9/13/2023 | 92686980020 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686980 | MCD-DGWC-4 | 9/13/2023 | 92686980021 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686980 | MCD-DGWC-5 | 9/13/2023 | 92686980022 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686980 | MCD-DGWC-17 | 9/13/2023 | 92686980023 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686980 | MCD-DGWC-42 | 9/13/2023 | 92686980024 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686980 | MCD-DGWC-48 | 9/13/2023 | 92686980025 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686684 | MCD-B-93 | 9/6/2023 | 92686684001 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686684 | MCD-B-92 | 9/6/2023 | 92686684002 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686684 | MCD-B-97 | 9/6/2023 | 92686684003 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686684 | MCD-B-98 | 9/6/2023 | 92686684004 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686684 | MCD-AP234-FB-4 | 9/6/2023 | 92686684005 | WQ | FB (MCD-B-93) | - | - | - | - | - | - | - | X | X |
| 92686684 | MCD-AP234-EB-4 | 9/6/2023 | 92686684006 | WQ | EB (MCD-B-92) | - | - | - | - | - | - | - | X | X |
| 92686684 | MCD-B-63 | 9/7/2023 | 92686684007 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686684 | MCD-B-122D | 9/7/2023 | 92686684008 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686684 | MCD-B-101D | 9/8/2023 | 92686684009 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686684 | MCD-B-56 | 9/8/2023 | 92686684010 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686684 | MCD-AP234-FD-5 | 9/7/2023 | 92686684011 | WG | FD (MCD-B-122D) | - | - | - | - | - | - | - | X | X |
| 92686684 | MCD-AP234-FB-5 | 9/7/2023 | 92686684012 | WQ | FB (MCD-B-63) | - | - | - | - | - | - | - | X | X |
| 92686684 | MCD-B-102D | 9/11/2023 | 92686684013 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686684 | MCD-B-82 | 9/11/2023 | 92686684014 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686684 | MCD-B-66 | 9/11/2023 | 92686684015 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686684 | MCD-B-106D | 9/11/2023 | 92686684016 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686684 | MCD-AP234-FD-4 | 9/11/2023 | 92686684017 | WG | FD (MCD-B-82) | - | - | - | - | - | - | - | X | X |
| 92686684 | MCD-AP234-EB-5 | 9/11/2023 | 92686684018 | WQ | EB (MCD-B-102D) | - | - | - | - | - | - | - | X | X |
| 92686684 | MCD-B-77 | 9/12/2023 | 92686684019 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686684 | MCD-B-83 | 9/12/2023 | 92686684020 | WG | - | - | - | - | - | - | - | - | X | X |

TABLE 1

Sample Summary Table
SCS Plant McDonough Ash Pond 2 and 3/4

| SDGs | Field Identification | Collection Date | Lab Identification | Matrix | QC Samples | Analyses | | | | | | | | |
|----------|----------------------|-----------------|--------------------|--------|------------|---------------------------|-----------------------|---------------------|--------------------------|--------------------|---------------------|-----------------------|-----------------------|-----------------------|
| | | | | | | Total Mercury (EPA 7470A) | Alkalinity (SM 2320B) | TDS (SM 2540C-2011) | Total Metals (EPA 6020B) | Anions (EPA 300.0) | Cations (EPA 6010D) | Sulfide (SM 4500-S2D) | Radium-226 (EPA 9315) | Radium-228 (EPA 9320) |
| 92686684 | MCD-B-88 | 9/12/2023 | 92686684021 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686684 | MCD-B-107D | 9/12/2023 | 92686684022 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686684 | MCD-B-120D | 9/12/2023 | 92686684023 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686684 | MCD-B-104D | 9/13/2023 | 92686684024 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686684 | MCD-B-108D | 9/13/2023 | 92686684025 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686684 | MCD-B-111D | 9/13/2023 | 92686684026 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686684 | MCD-B-125D | 9/13/2023 | 92686684027 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686682 | DGWC-39 | 9/7/2023 | 92686682001 | WG | - | - | - | - | - | - | - | - | X | X |
| 92686682 | DGWC-40 | 9/7/2023 | 92686682002 | WG | - | - | - | - | - | - | - | - | X | X |
| 92687817 | MCD-UT01_US | 9/13/2023 | 92687817001 | WS | - | - | X | X | X | X | X | - | - | - |
| 92687817 | MCD-UT02 | 9/13/2023 | 92687817002 | WS | - | - | X | X | X | X | X | - | - | - |
| 92687817 | MCD-UT03 | 9/13/2023 | 92687817003 | WS | - | - | X | X | X | X | X | - | - | - |
| 92687817 | MCD-UT01_DS | 9/13/2023 | 92687817004 | WS | - | - | X | X | X | X | X | - | - | - |
| 92687817 | MCD-CR-0.1 | 9/12/2023 | 92687817005 | WS | - | - | X | X | X | X | X | - | - | - |
| 92687817 | MCD-CR+0.2 | 9/12/2023 | 92687817006 | WS | - | - | X | X | X | X | X | - | - | - |
| 92687817 | MCD-CR+0.4 | 9/12/2023 | 92687817007 | WS | - | - | X | X | X | X | X | - | - | - |
| 92687817 | MCD-DW_DS | 9/12/2023 | 92687817008 | WS | - | - | X | X | X | X | X | - | - | - |
| 92687817 | MCD-DW_US | 9/12/2023 | 92687817009 | WS | - | - | X | X | X | X | X | - | - | - |
| 92687817 | MCD-CR-0.2 | 9/12/2023 | 92687817010 | WS | - | - | X | X | X | X | X | - | - | - |
| 92687817 | MCD-CR-0.5 | 9/12/2023 | 92687817011 | WS | - | - | X | X | X | X | X | - | - | - |

Abbreviations:

SDG- Sample Delivery Group

QC - Quality Control

SM - Standard Method

WS - Surface Water

WG - Groundwater

WQ - Water Quality

TDS - Total dissolved solids

FD - Field Duplicate

EB - Equipment Blank

FB - Field Blank

TABLE 2
Qualifier Summary Table
SCS Plant McDonough Ash Pond 2 and 3/4

| SDG | Sample Name | Constituent | New Result | New RL or MDC | Qualifier | Reason |
|----------|----------------|-------------------------|------------|---------------|-----------|--|
| 92686679 | MCD-B-63 | Chromium | 0.005 | - | U | Field blank detection |
| 92686679 | MCD-B-98 | TDS | - | - | J | Laboratory duplicate RPD does not meet quality control criteria |
| 92686679 | MCD-B-122D | Sulfate | - | - | J | Field duplicate RPD does not meet quality control criteria |
| 92686679 | MCD-B-122D | Calcium | - | - | J | Field duplicate absolute difference does not meet quality control criteria |
| 92686679 | MCD-B-122D | Iron | - | - | J | Field duplicate absolute difference does not meet quality control criteria |
| 92686679 | MCD-B-122D | Magnesium | - | - | J | Field duplicate absolute difference does not meet quality control criteria |
| 92686679 | MCD-B-122D | Potassium | - | - | J | Field duplicate absolute difference does not meet quality control criteria |
| 92686679 | MCD-B-122D | Sodium | - | - | J | Field duplicate absolute difference does not meet quality control criteria |
| 92686679 | MCD-AP234-FD-5 | Sulfate | - | - | J | Field duplicate RPD does not meet quality control criteria |
| 92686679 | MCD-AP234-FD-5 | Calcium | - | - | J | Field duplicate absolute difference does not meet quality control criteria |
| 92686679 | MCD-AP234-FD-5 | Iron | - | - | J | Field duplicate absolute difference does not meet quality control criteria |
| 92686679 | MCD-AP234-FD-5 | Magnesium | - | - | J | Field duplicate absolute difference does not meet quality control criteria |
| 92686679 | MCD-AP234-FD-5 | Potassium | - | - | J | Field duplicate absolute difference does not meet quality control criteria |
| 92686679 | MCD-AP234-FD-5 | Sodium | - | - | J | Field duplicate absolute difference does not meet quality control criteria |
| 92686947 | MCD-DGWC-19 | Antimony | 0.003 | - | U | Method blank detection |
| 92686947 | MCD-DGWC-19 | Chromium | 0.005 | - | U | Method blank detection |
| 92686947 | MCD-DGWC-20 | Antimony | 0.003 | - | U | Method blank detection |
| 92686947 | MCD-DGWC-11 | TDS | - | 451 | U | Equipment blank detection |
| 92686947 | MCD-DGWC-8 | Sulfate | - | - | J- | Matrix Spike/Matrix Spike Duplicate below QC limits |
| 92687817 | MCD-UT01_US | TDS | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-UT01_US | Alkalinity, bicarbonate | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-UT01_US | Alkalinity, total | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-UT01_US | Chloride | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-UT01_US | Fluoride | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-UT01_US | Sulfate | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-UT02 | TDS | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-UT02 | Alkalinity, bicarbonate | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-UT02 | Alkalinity, total | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-UT02 | Chloride | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-UT02 | Fluoride | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-UT02 | Sulfate | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-UT03 | TDS | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-UT03 | Alkalinity, bicarbonate | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-UT03 | Alkalinity, total | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-UT03 | Chloride | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-UT03 | Fluoride | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-UT03 | Sulfate | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-UT01_DS | TDS | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-UT01_DS | Alkalinity, bicarbonate | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-UT01_DS | Alkalinity, total | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-UT01_DS | Chloride | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-UT01_DS | Fluoride | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-UT01_DS | Sulfate | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-CR-0.1 | TDS | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-CR-0.1 | Alkalinity, bicarbonate | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-CR-0.1 | Alkalinity, total | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-CR-0.1 | Chloride | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-CR-0.1 | Fluoride | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-CR-0.1 | Sulfate | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-CR+0.2 | TDS | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-CR+0.2 | Alkalinity, bicarbonate | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-CR+0.2 | Alkalinity, total | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-CR+0.2 | Chloride | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-CR+0.2 | Fluoride | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-CR+0.2 | Sulfate | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-CR+0.4 | TDS | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-CR+0.4 | Alkalinity, bicarbonate | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-CR+0.4 | Alkalinity, total | - | - | J | Cooler arrived outside of temperature limits |

TABLE 2
Qualifier Summary Table
SCS Plant McDonough Ash Pond 2 and 3/4

| | | | | | | |
|----------|------------|-------------------------|---|---|----|--|
| 92687817 | MCD-CR+0.4 | Chloride | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-CR+0.4 | Fluoride | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-CR+0.4 | Sulfate | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-DW_DS | TDS | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-DW_DS | Alkalinity, bicarbonate | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-DW_DS | Alkalinity, total | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-DW_DS | Chloride | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-DW_DS | Fluoride | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-DW_DS | Sulfate | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-DW_US | TDS | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-DW_US | Alkalinity, bicarbonate | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-DW_US | Alkalinity, total | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-DW_US | Chloride | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-DW_US | Fluoride | - | - | UJ | Cooler arrived outside of temperature limits |
| 92687817 | MCD-DW_US | Sulfate | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-CR-0.2 | TDS | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-CR-0.2 | Alkalinity, bicarbonate | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-CR-0.2 | Alkalinity, total | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-CR-0.2 | Chloride | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-CR-0.2 | Fluoride | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-CR-0.2 | Sulfate | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-CR-0.5 | TDS | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-CR-0.5 | Alkalinity, bicarbonate | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-CR-0.5 | Alkalinity, total | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-CR-0.5 | Chloride | - | - | J | Cooler arrived outside of temperature limits |
| 92687817 | MCD-CR-0.5 | Fluoride | - | - | UJ | Cooler arrived outside of temperature limits |
| 92687817 | MCD-CR-0.5 | Sulfate | - | - | J | Cooler arrived outside of temperature limits |

Abbreviations:

RL : Reporting limit
MDC : Minimum detectable concentration
MDL: Method detection limit
SDG : Sample delivery group
RPD: Relative percent difference

Qualifier

U: Non-detect
J+: Estimated, bias high
J-: Estimated, bias low
UJ: Non-detect, estimated

APPENDIX B

Laboratory Accreditation



June 13, 2023

RE: Georgia Commercial Laboratory Accreditation Rule

Stipulation Requirements for Analysis of Non-Potable Water and Solid and Chemical Materials
Georgia state law requires any person submitting data to the GA Environmental Protection Division for regulatory purposes to stipulate that the laboratory responsible for preparing the data is approved or accredited to perform analysis of environmental samples. This stipulation must be included within each report or may be submitted in a separate document with the first report of the calendar year; alternatively, the attached scope of accreditation may be submitted in lieu of a stipulation.

The information provided below may be used to generate a stipulation for data reporting purposes:

| | |
|---------------------------------------|--|
| Name of Laboratory: | Pace Analytical Services, LLC – Asheville, NC |
| Name of Accrediting Agency: | Commonwealth of Virginia Department of General Services Division of Consolidated Laboratory Services [Primary NELAP Accreditation] |
| Accreditation Number: | 460222 |
| Scopes of Accreditation: | Non-Potable Water Solid and Chemical Materials |
| Accreditation Effective Date: | June 15, 2023 |
| Accreditation Expiration Date: | June 14, 2024 |

For additional information regarding the Georgia Commercial Laboratory Accreditation Rule, please contact the Georgia Environmental Protection Division at 404-656-4713.

Sincerely,

Jacob Cottrell
Quality Manager

[O] 828.417.6052
jacob.cottrell@pacelabs.com
2225 Riverside Drive, Asheville, NC 28804

PACELABS.COM

Stipulation of Approval for Commercial Environmental Laboratories

Pursuant to the *Rules and Regulations of the State of Georgia* (O.C.G.A. 12-2-9) and *Rule 391-3-26.05* for “Commercial Environmental Laboratories”, any person submitting data prepared by a commercial analytical laboratory to the Division for regulatory purposes shall stipulate that the laboratory is approved.

The stipulations for which Pace-Atlanta is approved, is as follows:

| | |
|--------------------------------|--|
| Laboratory: | Pace Analytical Services, LLC – Atlanta GA 110 Technology Parkway Peachtree Corners, GA 30092 Phone: (770) 734-4200 Fax: (770) 734-4201 |
| Accredited By: | <u>Authority</u> Florida Department of Health (FL - DOH) <u>Program</u> Florida Environmental Laboratory Certification Program (TNI/NELAP) |
| Accreditation ID: | E87315 |
| Scope of Accreditation: | <u>Non-Potable Water (NPW)</u> -General Chemistry (Wet Chemistry) -Metals -Microbiology <u>Solid and Chemical Materials (SCM)</u> -General Chemistry -Metals - Microbiology |
| Effective Dates: | July 1, 2023 – June 30, 2024 |

Any question regarding this stipulation of approval may be directed to Pace-Atlanta at (770) 734-4200. Thank you for your business and please do not hesitate to contact us if we can be of further assistance.

Sincerely,



Kyle Henderson
 Quality Manager – Atlanta Laboratory
 Pace Analytical Services, LLC



GEORGIA

DEPARTMENT OF NATURAL RESOURCES

ENVIRONMENTAL PROTECTION DIVISION

Richard E. Dunn, Director

Watershed Protection Branch
2 Martin Luther King, Jr. Drive
Suite 1470A, East Tower
Atlanta, Georgia 30334
404-463-1511

Ms. LeighAnn Miller, Laboratory Director
Pace Analytical Services, LLC - Pittsburgh
1638 Roseytown Road, Suites 2, 3 and 4
Greensburg, PA 15601

February 8, 2023

RE: Certification by Reciprocity
Pace Analytical Services, Inc. - Pittsburgh
Georgia ID #C040

Dear Ms. Miller:

The Georgia Department of Natural Resources, Environmental Protection Division (EPD) is in receipt of all required data necessary to fulfill your laboratory's request for Certification by Reciprocity in Georgia for the analysis of the parameters listed in the attached certificate. Therefore, in accordance with the Georgia Safe Drinking Water Act of 1977 (Sections 12-5-170 through 12-5-193, O.C.G.A.) and the Rules for Safe Drinking Water (Chapter 391-3-5), this certification is valid until March 31, 2024. This certificate is contingent upon continued Certification by the Commonwealth of Pennsylvania's Department of Environmental Protection and is non-transferable. This certificate is also contingent upon continued acceptable semi-annual Proficiency Testing results.

If Pace Analytical Services, LLC – Pittsburgh's certification status is downgraded for any analyte/method by your Primary Accrediting Agency, the GA Certification Program must be notified. Any downgrade will result in the withdrawal of reciprocity for that analyte.

Prior to the expiration of this certification, please contact your accrediting/certifying authority and request that the following information be forwarded to me at lynne.grubb@dnr.ga.gov.

1. Copies of the most current on-site report, and proposed and accepted corrective actions
2. Copies of the Certificate and scope of accreditation listing analytes

For additional information please feel free to contact Lynne Grubb at 470-604-9528.

Sincerely,

Lynne Grubb
Laboratory Certification Officer
Drinking Water Compliance Unit

Sean Earley
Program Manager
Drinking Water Compliance Unit

PACE ANALYTICAL SERVICES, LLC - PITTSBURGH (GA LAB ID# C040)
1638 Roseytown Road, Suites 2,3 and 4, Greensburg, PA 15601
Effective April 1, 2023 - March 31, 2024

| ANALYTE | CERTIFIED BY | METHOD |
|---------------|--------------|-----------------|
| RADIONUCLIDES | | |
| Gross Alpha | PA DEP | 900.0, SM 7110C |
| Gross Beta | PA DEP | 900.0 |
| Radium 226 | PA DEP | 903.0, 903.1 |
| Radium 228 | PA DEP | 904.0 |
| Uranium | PA DEP | ASTM D5174-97 |

APPENDIX C

**Well Condition Inspection Table and
Well Maintenance and Repair
Documentation**

Site Name: Plant McDonough

Well Inspection

Date: 9/5/2023

Permit Number: _____

Field Conditions: _____

| Well ID: | Location/Identification | | | |
|----------|-------------------------|--|---|--|
| | Visible and accessible | Properly identified with correct well ID | Located in high traffic area; does the well require protection from traffic | Acceptable drainage around well (no standing water, not located in obvious drainage flow path) |
| DGWA-53 | NO | YES | NO | YES |
| DGWA-70A | YES | YES | NO | YES |
| DGWA-71 | YES | YES | NO | YES |
| DGWC-37 | YES | YES | NO | YES |
| DGWC-38 | YES | YES | NO | YES |
| DGWC-39 | NO | YES | NO | YES |
| DGWC-40 | YES | YES | NO | YES |
| DGWC-67 | YES | YES | NO | YES |
| DGWC-68A | YES | YES | NO | YES |
| DGWC-69 | YES | YES | NO | YES |
| DGWC-121 | YES | YES | NO | YES |
| B-62 | YES | YES | NO | YES |
| B-100 | YES | YES | NO | YES |
| B-105D | YES | YES | NO | YES |
| B-112D | YES | YES | NO | YES |
| DGWC-2 | YES | YES | NO | YES |
| DGWC-4 | YES | YES | NO | YES |
| DGWC-5 | YES | YES | NO | YES |
| DGWC-8 | YES | YES | NO | YES |
| DGWC-9 | YES | YES | NO | YES |
| DGWC-10 | YES | YES | NO | YES |
| DGWC-11 | YES | YES | NO | YES |
| DGWC-12 | YES | YES | NO | YES |
| DGWC-13 | YES | YES | NO | YES |
| DGWC-14 | YES | YES | NO | YES |
| DGWC-15 | YES | YES | NO | YES |
| DGWC-17 | YES | YES | NO | YES |
| DGWC-19 | YES | YES | NO | YES |
| DGWC-20 | YES | YES | NO | YES |
| DGWC-21 | YES | YES | NO | YES |
| DGWC-22 | NO | YES | NO | YES |
| DGWC-23 | YES | YES | NO | YES |
| DGWC-42 | YES | YES | NO | YES |
| DGWC-47 | NO | YES | NO | YES |
| DGWC-48 | YES | YES | NO | NO |
| B-56 | YES | YES | NO | YES |
| B-62 | YES | YES | NO | YES |
| B-63 | YES | NO | NO | YES |

Site Name: Plant McDonough

Well Inspection

Date: 9/5/2023

Permit Number: _____

Field Conditions: _____

| Well ID: | Location/Identification | | | |
|----------|-------------------------|--|---|--|
| | Visible and accessible | Properly identified with correct well ID | Located in high traffic area; does the well require protection from traffic | Acceptable drainage around well (no standing water, not located in obvious drainage flow path) |
| B-66 | YES | YES | NO | YES |
| B-77 | YES | YES | NO | YES |
| B-82 | YES | YES | NO | YES |
| B-83 | YES | YES | NO | YES |
| B-88 | YES | YES | NO | YES |
| B-92 | NO | YES | YES | YES |
| B-93 | NO | YES | YES | YES |
| B-97 | YES | YES | YES | YES |
| B-98 | NO | YES | YES | YES |
| B-100 | YES | YES | NO | YES |
| B-101D | YES | YES | NO | YES |
| B-102D | YES | YES | NO | YES |
| B-104D | YES | YES | NO | NO |
| B-106D | YES | YES | NO | YES |
| B-107D | YES | YES | NO | YES |
| B-108D | YES | YES | NO | YES |
| B-111D | YES | YES | NO | YES |
| B-120D | YES | YES | NO | YES |
| B-122D | YES | YES | NO | YES |
| B-125D | YES | YES | NO | YES |
| B-3 | YES | YES | NO | YES |
| B-6 | YES | YES | NO | YES |
| B-7 | YES | YES | NO | YES |
| B-16 | YES | YES | NO | YES |
| B-18 | YES | YES | NO | YES |
| B-24 | YES | YES | NO | YES |
| B-25 | YES | YES | NO | YES |
| B-26 | YES | YES | NO | YES |
| B-28 | YES | YES | NO | YES |
| B-29 | YES | YES | NO | YES |
| B-31 | YES | YES | NO | YES |
| B-41 | NO | YES | NO | YES |
| B-50 | YES | YES | NO | YES |
| B-51 | YES | YES | NO | YES |
| B-52 | YES | YES | NO | YES |
| B-54 | YES | YES | NO | YES |
| B-55 | YES | YES | NO | YES |
| B-57 | YES | YES | NO | YES |

Site Name: Plant McDonough

Well Inspection

Date: 9/5/2023

Permit Number: _____

Field Conditions: _____

| Well ID: | Location/Identification | | | |
|----------|-------------------------|--|---|--|
| | Visible and accessible | Properly identified with correct well ID | Located in high traffic area; does the well require protection from traffic | Acceptable drainage around well (no standing water, not located in obvious drainage flow path) |
| B-58 | YES | YES | NO | YES |
| B-59 | YES | YES | NO | YES |
| B-60 | YES | YES | NO | YES |
| B-61 | YES | YES | NO | YES |
| B-64 | YES | YES | NO | YES |
| B-65 | YES | YES | NO | YES |
| B-68 | YES | YES | NO | YES |
| B-72 | YES | YES | NO | YES |
| B-73 | YES | YES | NO | YES |
| B-74 | YES | YES | NO | YES |
| B-76 | YES | YES | NO | YES |
| B-78 | YES | YES | NO | YES |
| B-79 | YES | YES | NO | YES |
| B-80 | YES | YES | NO | YES |
| B-81 | YES | YES | NO | YES |
| B-84 | YES | YES | NO | YES |
| B-85 | YES | YES | NO | YES |
| B-86 | YES | YES | NO | YES |
| B-87 | NO | YES | NO | YES |
| B-89 | YES | YES | NO | YES |
| B-90 | YES | YES | YES | YES |
| B-91 | YES | YES | YES | YES |
| B-94 | YES | YES | NO | YES |
| B-95 | YES | YES | YES | YES |
| B-96 | YES | YES | YES | YES |
| B-99 | YES | YES | NO | YES |
| B-103D | YES | YES | NO | YES |
| B-109D | YES | YES | NO | YES |
| B-110D | YES | YES | NO | YES |
| B-113D | YES | YES | NO | YES |
| B-115D | YES | YES | NO | YES |
| B-116D | YES | YES | NO | YES |
| B-117D | YES | YES | NO | YES |
| B-118 | YES | YES | NO | YES |
| B-119D | YES | YES | NO | YES |
| B-123D | YES | YES | NO | YES |
| AP-1-B-3 | YES | YES | NO | YES |

Site Name: Plant McDonough

Well Inspection

Date: 9/5/2023

Permit Number: _____

Field Conditions: _____

| Well ID: | Location/Identification | | | |
|----------|-------------------------|--|---|--|
| | Visible and accessible | Properly identified with correct well ID | Located in high traffic area; does the well require protection from traffic | Acceptable drainage around well (no standing water, not located in obvious drainage flow path) |
| AP-1-B-7 | YES | YES | NO | YES |
| AP-1-B-8 | YES | YES | NO | YES |
| DW-1 | YES | YES | NO | YES |
| DW-2 | YES | YES | NO | YES |
| DW-3 | YES | YES | NO | YES |
| DW-4 | YES | YES | NO | YES |
| WT-1 | YES | YES | NO | YES |
| WT-2 | YES | YES | NO | YES |
| WT-3 | YES | YES | NO | YES |
| WT-4 | YES | YES | NO | YES |
| WT-5 | YES | YES | NO | YES |
| WT-6 | YES | YES | NO | YES |
| WT-7 | YES | YES | NO | YES |
| ET-1 | YES | YES | NO | YES |

Site Name: Plant McDonough

Well Inspection

Date: 9/5/2023

Permit Number: _____

Field Conditions: _____

| Well ID: | Protective Casing | | | | |
|----------|--|---------------------------------|-----------------------|---|--|
| | Free from apparent damage and able to be secured | No degradation or deterioration | Functioning weep hole | Annular space clear of debris and water, or filled with pea gravel/sand | Locked and is the lock in good condition |
| DGWA-53 | YES | YES | YES | YES | YES |
| DGWA-70A | YES | YES | YES | YES | YES |
| DGWA-71 | YES | YES | YES | YES | YES |
| DGWC-37 | YES | YES | YES | YES | YES |
| DGWC-38 | YES | YES | YES | YES | YES |
| DGWC-39 | YES | YES | YES | YES | YES |
| DGWC-40 | YES | YES | YES | YES | YES |
| DGWC-67 | YES | YES | YES | YES | YES |
| DGWC-68A | YES | YES | YES | YES | YES |
| DGWC-69 | YES | YES | YES | YES | YES |
| DGWC-121 | YES | YES | YES | YES | YES |
| B-62 | YES | YES | YES | YES | YES |
| B-100 | YES | YES | YES | YES | YES |
| B-105D | YES | YES | YES | YES | YES |
| B-112D | YES | YES | YES | YES | YES |
| DGWC-2 | YES | YES | YES | YES | YES |
| DGWC-4 | YES | YES | YES | YES | YES |
| DGWC-5 | YES | YES | YES | YES | YES |
| DGWC-8 | YES | YES | YES | YES | YES |
| DGWC-9 | YES | YES | YES | YES | YES |
| DGWC-10 | YES | YES | YES | YES | YES |
| DGWC-11 | YES | YES | YES | YES | YES |
| DGWC-12 | YES | YES | YES | YES | YES |
| DGWC-13 | YES | YES | YES | YES | YES |
| DGWC-14 | YES | YES | YES | YES | YES |
| DGWC-15 | YES | YES | YES | YES | YES |
| DGWC-17 | YES | YES | YES | YES | YES |
| DGWC-19 | YES | YES | YES | YES | YES |
| DGWC-20 | YES | YES | YES | YES | YES |
| DGWC-21 | YES | YES | YES | YES | YES |
| DGWC-22 | YES | YES | YES | YES | YES |
| DGWC-23 | YES | YES | YES | YES | YES |
| DGWC-42 | YES | YES | YES | YES | YES |
| DGWC-47 | YES | YES | YES | YES | YES |
| DGWC-48 | YES | YES | YES | YES | YES |
| B-56 | YES | YES | YES | YES | YES |
| B-62 | YES | YES | YES | YES | YES |
| B-63 | YES | YES | YES | YES | YES |

Site Name: Plant McDonough

Well Inspection

Date: 9/5/2023

Permit Number: _____

Field Conditions: _____

| Well ID: | Protective Casing | | | | |
|----------|--|---------------------------------|-----------------------|---|--|
| | Free from apparent damage and able to be secured | No degradation or deterioration | Functioning weep hole | Annular space clear of debris and water, or filled with pea gravel/sand | Locked and is the lock in good condition |
| B-66 | YES | YES | YES | YES | YES |
| B-77 | YES | YES | YES | YES | YES |
| B-82 | YES | YES | YES | YES | YES |
| B-83 | YES | YES | YES | YES | YES |
| B-88 | YES | YES | YES | YES | YES |
| B-92 | YES | YES | YES | YES | YES |
| B-93 | YES | YES | YES | YES | YES |
| B-97 | YES | YES | YES | YES | YES |
| B-98 | YES | YES | YES | YES | YES |
| B-100 | YES | YES | YES | YES | YES |
| B-101D | YES | YES | YES | YES | YES |
| B-102D | YES | YES | YES | YES | YES |
| B-104D | YES | YES | YES | YES | YES |
| B-106D | YES | YES | YES | YES | YES |
| B-107D | YES | YES | YES | YES | YES |
| B-108D | YES | YES | YES | YES | YES |
| B-111D | YES | YES | YES | YES | YES |
| B-120D | YES | YES | YES | YES | YES |
| B-122D | YES | YES | YES | YES | YES |
| B-125D | YES | YES | YES | NO | YES |
| B-3 | YES | YES | YES | YES | YES |
| B-6 | YES | YES | YES | YES | YES |
| B-7 | YES | YES | YES | YES | YES |
| B-16 | YES | YES | YES | YES | YES |
| B-18 | YES | YES | YES | YES | YES |
| B-24 | YES | YES | YES | YES | YES |
| B-25 | YES | YES | YES | YES | YES |
| B-26 | YES | YES | YES | YES | YES |
| B-28 | YES | YES | YES | YES | YES |
| B-29 | YES | YES | YES | YES | YES |
| B-31 | YES | YES | YES | YES | YES |
| B-41 | YES | YES | YES | YES | YES |
| B-50 | YES | YES | YES | YES | YES |
| B-51 | YES | YES | YES | YES | YES |
| B-52 | YES | YES | YES | YES | YES |
| B-54 | YES | YES | YES | YES | YES |
| B-55 | YES | YES | YES | YES | YES |
| B-57 | YES | YES | YES | YES | YES |

Site Name: Plant McDonough

Well Inspection

Date: 9/5/2023

Permit Number: _____

Field Conditions: _____

| Well ID: | Protective Casing | | | | |
|----------|--|---------------------------------|-----------------------|---|--|
| | Free from apparent damage and able to be secured | No degradation or deterioration | Functioning weep hole | Annular space clear of debris and water, or filled with pea gravel/sand | Locked and is the lock in good condition |
| B-58 | YES | YES | YES | YES | YES |
| B-59 | YES | YES | YES | YES | YES |
| B-60 | YES | YES | YES | YES | YES |
| B-61 | YES | YES | YES | YES | YES |
| B-64 | YES | YES | YES | YES | YES |
| B-65 | YES | YES | YES | YES | YES |
| B-68 | YES | YES | YES | YES | YES |
| B-72 | YES | YES | YES | YES | YES |
| B-73 | YES | YES | YES | YES | YES |
| B-74 | YES | YES | YES | YES | YES |
| B-76 | YES | YES | YES | YES | YES |
| B-78 | YES | YES | YES | YES | YES |
| B-79 | YES | YES | YES | YES | YES |
| B-80 | NO | YES | YES | YES | YES |
| B-81 | YES | YES | YES | YES | YES |
| B-84 | YES | YES | YES | YES | YES |
| B-85 | YES | YES | YES | YES | YES |
| B-86 | NO | YES | YES | YES | YES |
| B-87 | YES | YES | YES | YES | YES |
| B-89 | YES | YES | YES | YES | YES |
| B-90 | YES | YES | YES | YES | YES |
| B-91 | YES | YES | YES | YES | YES |
| B-94 | YES | YES | YES | YES | YES |
| B-95 | YES | YES | NO | YES | NO |
| B-96 | YES | YES | NO | YES | NO |
| B-99 | YES | YES | YES | YES | YES |
| B-103D | YES | YES | YES | YES | YES |
| B-109D | YES | YES | YES | YES | YES |
| B-110D | YES | YES | YES | YES | YES |
| B-113D | YES | YES | YES | YES | YES |
| B-115D | YES | YES | YES | YES | YES |
| B-116D | YES | YES | YES | YES | YES |
| B-117D | YES | YES | YES | YES | YES |
| B-118 | YES | YES | YES | YES | YES |
| B-119D | YES | YES | YES | YES | YES |
| B-123D | YES | YES | YES | YES | YES |
| AP-1-B-3 | YES | YES | YES | YES | YES |

Site Name: Plant McDonough

Well Inspection

Date: 9/5/2023

Permit Number: _____

Field Conditions: _____

| Well ID: | Protective Casing | | | | |
|----------|--|---------------------------------|-----------------------|---|--|
| | Free from apparent damage and able to be secured | No degradation or deterioration | Functioning weep hole | Annular space clear of debris and water, or filled with pea gravel/sand | Locked and is the lock in good condition |
| AP-1-B-7 | YES | YES | YES | YES | YES |
| AP-1-B-8 | YES | YES | YES | YES | YES |
| DW-1 | YES | YES | YES | YES | YES |
| DW-2 | YES | YES | YES | YES | YES |
| DW-3 | YES | YES | YES | YES | YES |
| DW-4 | YES | YES | YES | YES | YES |
| WT-1 | NO | NO | YES | YES | YES |
| WT-2 | YES | YES | YES | YES | YES |
| WT-3 | YES | YES | YES | YES | YES |
| WT-4 | YES | YES | YES | YES | YES |
| WT-5 | YES | YES | YES | YES | YES |
| WT-6 | NO | NO | YES | YES | YES |
| WT-7 | NO | NO | YES | YES | YES |
| ET-1 | YES | YES | YES | YES | YES |

Site Name: Plant McDonough

Well Inspection

Date: 9/5/2023

Permit Number: _____

Field Conditions: _____

| Well ID: | Surface Pad | | | Internal Casing | | |
|----------|--------------------------------------|--|--|--|---|---|
| | Good condition (not cracked/ broken) | Sloped away from the protective casing | In complete contact with the ground surface and stable | Cap prevents entry of foreign material into the well | Free of kinks/bends, or any obstructions from foreign objects (such as bailers) | Properly vented for equilibration of air pressure |
| DGWA-53 | YES | YES | YES | YES | YES | YES |
| DGWA-70A | YES | YES | YES | YES | YES | YES |
| DGWA-71 | YES | YES | YES | YES | YES | YES |
| DGWC-37 | YES | YES | YES | YES | YES | YES |
| DGWC-38 | YES | YES | YES | YES | YES | YES |
| DGWC-39 | YES | YES | YES | YES | YES | YES |
| DGWC-40 | YES | YES | YES | YES | YES | YES |
| DGWC-67 | YES | YES | YES | YES | YES | YES |
| DGWC-68A | YES | YES | NO | NO | YES | YES |
| DGWC-69 | YES | YES | YES | YES | YES | YES |
| DGWC-121 | YES | YES | YES | YES | YES | YES |
| B-62 | YES | YES | YES | YES | YES | YES |
| B-100 | YES | YES | YES | YES | YES | YES |
| B-105D | YES | YES | YES | YES | YES | YES |
| B-112D | YES | YES | YES | YES | YES | YES |
| DGWC-2 | YES | YES | YES | YES | YES | YES |
| DGWC-4 | YES | YES | YES | YES | YES | YES |
| DGWC-5 | YES | YES | YES | YES | YES | YES |
| DGWC-8 | YES | YES | YES | YES | YES | YES |
| DGWC-9 | YES | YES | YES | YES | YES | YES |
| DGWC-10 | YES | YES | YES | YES | YES | YES |
| DGWC-11 | YES | YES | YES | YES | YES | YES |
| DGWC-12 | YES | YES | YES | YES | YES | YES |
| DGWC-13 | YES | YES | YES | YES | YES | YES |
| DGWC-14 | YES | YES | YES | YES | YES | YES |
| DGWC-15 | YES | YES | YES | YES | YES | YES |
| DGWC-17 | YES | YES | YES | YES | YES | YES |
| DGWC-19 | YES | YES | YES | YES | YES | YES |
| DGWC-20 | YES | YES | YES | YES | YES | YES |
| DGWC-21 | YES | YES | YES | YES | YES | YES |
| DGWC-22 | YES | YES | YES | YES | YES | YES |
| DGWC-23 | YES | YES | YES | YES | YES | YES |
| DGWC-42 | YES | YES | YES | YES | YES | YES |
| DGWC-47 | YES | YES | YES | YES | YES | YES |
| DGWC-48 | YES | NO | YES | YES | YES | YES |
| B-56 | YES | YES | YES | YES | YES | YES |
| B-62 | YES | YES | YES | YES | YES | YES |
| B-63 | YES | YES | YES | YES | YES | YES |

Site Name: Plant McDonough

Well Inspection

Date: 9/5/2023

Permit Number: _____

Field Conditions: _____

| Well ID: | Surface Pad | | | Internal Casing | | |
|----------|--------------------------------------|--|--|--|---|---|
| | Good condition (not cracked/ broken) | Sloped away from the protective casing | In complete contact with the ground surface and stable | Cap prevents entry of foreign material into the well | Free of kinks/bends, or any obstructions from foreign objects (such as bailers) | Properly vented for equilibration of air pressure |
| B-66 | YES | YES | YES | YES | YES | YES |
| B-77 | YES | YES | YES | YES | YES | YES |
| B-82 | YES | YES | YES | YES | YES | YES |
| B-83 | YES | YES | YES | YES | YES | YES |
| B-88 | YES | YES | YES | YES | YES | YES |
| B-92 | YES | YES | YES | YES | YES | YES |
| B-93 | YES | YES | YES | YES | YES | YES |
| B-97 | YES | YES | NO | NO | YES | YES |
| B-98 | YES | YES | YES | YES | YES | YES |
| B-100 | YES | YES | YES | YES | YES | YES |
| B-101D | YES | YES | YES | YES | YES | YES |
| B-102D | YES | YES | YES | YES | YES | YES |
| B-104D | YES | NO | YES | YES | YES | YES |
| B-106D | YES | YES | YES | YES | YES | YES |
| B-107D | YES | YES | YES | YES | YES | YES |
| B-108D | YES | YES | YES | YES | YES | YES |
| B-111D | YES | YES | YES | YES | YES | YES |
| B-120D | YES | YES | YES | YES | YES | YES |
| B-122D | YES | YES | YES | YES | YES | YES |
| B-125D | YES | YES | YES | YES | YES | YES |
| B-3 | YES | YES | YES | YES | YES | YES |
| B-6 | YES | YES | YES | YES | YES | YES |
| B-7 | YES | YES | YES | YES | YES | YES |
| B-16 | YES | YES | YES | YES | YES | YES |
| B-18 | YES | YES | YES | YES | YES | YES |
| B-24 | YES | YES | YES | YES | YES | YES |
| B-25 | YES | YES | YES | YES | YES | YES |
| B-26 | YES | YES | YES | YES | YES | YES |
| B-28 | YES | YES | YES | YES | YES | YES |
| B-29 | YES | YES | YES | YES | YES | YES |
| B-31 | YES | YES | YES | YES | YES | YES |
| B-41 | YES | YES | YES | YES | YES | YES |
| B-50 | YES | YES | YES | YES | YES | YES |
| B-51 | YES | YES | YES | YES | YES | YES |
| B-52 | YES | YES | YES | YES | YES | YES |
| B-54 | YES | YES | YES | YES | YES | YES |
| B-55 | YES | YES | YES | YES | YES | YES |
| B-57 | YES | YES | YES | YES | YES | YES |

Site Name: Plant McDonough

Well Inspection

Date: 9/5/2023

Permit Number: _____

Field Conditions: _____

| Well ID: | Surface Pad | | | Internal Casing | | |
|----------|--------------------------------------|--|--|--|---|---|
| | Good condition (not cracked/ broken) | Sloped away from the protective casing | In complete contact with the ground surface and stable | Cap prevents entry of foreign material into the well | Free of kinks/bends, or any obstructions from foreign objects (such as bailers) | Properly vented for equilibration of air pressure |
| B-58 | YES | YES | YES | YES | YES | YES |
| B-59 | YES | YES | YES | YES | YES | YES |
| B-60 | YES | YES | YES | YES | YES | YES |
| B-61 | YES | YES | YES | YES | YES | YES |
| B-64 | YES | YES | YES | YES | YES | YES |
| B-65 | YES | YES | YES | YES | YES | YES |
| B-68 | YES | YES | YES | YES | YES | YES |
| B-72 | YES | YES | NO | NO | YES | YES |
| B-73 | YES | YES | YES | YES | YES | YES |
| B-74 | YES | YES | NO | NO | YES | YES |
| B-76 | YES | YES | YES | YES | YES | YES |
| B-78 | YES | YES | YES | YES | YES | YES |
| B-79 | YES | YES | YES | YES | YES | YES |
| B-80 | YES | YES | YES | YES | YES | YES |
| B-81 | YES | YES | YES | YES | YES | YES |
| B-84 | YES | YES | YES | YES | YES | YES |
| B-85 | YES | YES | YES | YES | YES | YES |
| B-86 | YES | YES | YES | YES | YES | YES |
| B-87 | YES | YES | YES | YES | YES | YES |
| B-89 | YES | YES | YES | YES | YES | YES |
| B-90 | YES | YES | YES | YES | YES | YES |
| B-91 | YES | YES | YES | YES | YES | YES |
| B-94 | YES | YES | YES | YES | YES | YES |
| B-95 | YES | YES | YES | YES | YES | NO |
| B-96 | YES | YES | YES | YES | YES | NO |
| B-99 | YES | YES | YES | YES | YES | YES |
| B-103D | YES | YES | YES | YES | YES | YES |
| B-109D | YES | YES | YES | YES | YES | YES |
| B-110D | YES | YES | YES | YES | YES | YES |
| B-113D | YES | YES | YES | YES | YES | YES |
| B-115D | YES | YES | YES | YES | YES | YES |
| B-116D | YES | YES | YES | YES | YES | YES |
| B-117D | YES | YES | YES | YES | YES | YES |
| B-118 | YES | YES | YES | YES | YES | YES |
| B-119D | YES | YES | YES | YES | YES | YES |
| B-123D | YES | YES | YES | YES | YES | YES |
| AP-1-B-3 | YES | YES | YES | YES | YES | YES |

Site Name: Plant McDonough

Well Inspection

Date: 9/5/2023

Permit Number: _____

Field Conditions: _____

| | Surface Pad | | | Internal Casing | | |
|-----------------|--|--|---|---|--|---|
| | Good condition (not cracked/ broken) | Sloped away from the protective casing | In complete contact with the ground surface and stable | Cap prevents entry of foreign material into the well | Free of kinks/bends, or any obstructions from foreign objects (such as bailers) | Properly vented for equilibration of air pressure |
| Well ID: | | | | | | |
| AP-1-B-7 | YES | YES | YES | YES | YES | YES |
| AP-1-B-8 | YES | YES | YES | YES | YES | YES |
| DW-1 | YES | YES | YES | YES | YES | YES |
| DW-2 | YES | YES | YES | YES | YES | YES |
| DW-3 | YES | YES | YES | YES | YES | YES |
| DW-4 | YES | YES | YES | YES | YES | YES |
| WT-1 | NO | YES | NO | YES | YES | YES |
| WT-2 | YES | YES | YES | YES | YES | YES |
| WT-3 | YES | YES | YES | YES | YES | YES |
| WT-4 | YES | YES | YES | YES | YES | YES |
| WT-5 | YES | YES | YES | YES | YES | YES |
| WT-6 | NO | YES | NO | YES | YES | YES |
| WT-7 | NO | YES | NO | YES | YES | YES |
| ET-1 | YES | YES | YES | YES | YES | YES |

Site Name: Plant McDonough

Well Inspection

Date: 9/5/2023

Permit Number: _____

Field Conditions: _____

| Corrective actions as needed, by date: | |
|---|---|
| Well ID: | |
| DGWA-53 | Overgrown, clear brush around well |
| DGWA-70A | |
| DGWA-71 | |
| DGWC-37 | |
| DGWC-38 | |
| DGWC-39 | Overgrown, clear brush around well and clear path to well |
| DGWC-40 | |
| DGWC-67 | |
| DGWC-68A | Needs flat well cap to properly close well |
| DGWC-69 | |
| DGWC-121 | |
| B-62 | |
| B-100 | |
| B-105D | |
| B-112D | |
| DGWC-2 | |
| DGWC-4 | |
| DGWC-5 | |
| DGWC-8 | |
| DGWC-9 | |
| DGWC-10 | |
| DGWC-11 | |
| DGWC-12 | |
| DGWC-13 | |
| DGWC-14 | |
| DGWC-15 | |
| DGWC-17 | |
| DGWC-19 | |
| DGWC-20 | |
| DGWC-21 | |
| DGWC-22 | Clear ants from around well |
| DGWC-23 | |
| DGWC-42 | |
| DGWC-47 | Clear ants from around well |
| DGWC-48 | Standing water and mud on well pad from recent construction- flow path need diverting |
| B-56 | |
| B-62 | |
| B-63 | Needs suitable identification |

Site Name: Plant McDonough

Well Inspection

Date: 9/5/2023

Permit Number: _____

Field Conditions: _____

| Corrective actions as needed, by date: | |
|---|---|
| Well ID: | |
| B-66 | |
| B-77 | |
| B-82 | |
| B-83 | |
| B-88 | |
| B-92 | Clear ants from around well |
| B-93 | Overgrown, clear brush around well |
| B-97 | Needs flat well cap to properly close well |
| B-98 | Overgrown, clear brush around well |
| B-100 | |
| B-101D | |
| B-102D | |
| B-104D | Standing water and mud on well pad from recent construction- flow path need diverting |
| B-106D | |
| B-107D | |
| B-108D | |
| B-111D | |
| B-120D | |
| B-122D | |
| B-125D | ~2 ft of loose casing near top of well, needs to be filled with pea gravel |
| B-3 | |
| B-6 | |
| B-7 | |
| B-16 | |
| B-18 | |
| B-24 | |
| B-25 | |
| B-26 | |
| B-28 | |
| B-29 | |
| B-31 | |
| B-41 | Remove wasp nest from well |
| B-50 | |
| B-51 | |
| B-52 | |
| B-54 | |
| B-55 | |
| B-57 | |

Site Name: Plant McDonough

Well Inspection

Date: 9/5/2023

Permit Number: _____

Field Conditions: _____

| | Corrective actions as needed, by date: |
|-----------------|---|
| Well ID: | |
| B-58 | |
| B-59 | |
| B-60 | |
| B-61 | |
| B-64 | |
| B-65 | |
| B-68 | |
| B-72 | Needs flat well cap to properly close well |
| B-73 | |
| B-74 | Needs flat well cap to properly close well |
| B-76 | |
| B-78 | |
| B-79 | |
| B-80 | Casing lid askew and tilted, needs to be replaced |
| B-81 | |
| B-84 | |
| B-85 | |
| B-86 | Missing bolt needs to be replaced |
| B-87 | Overgrown, clear brush around well |
| B-89 | |
| B-90 | |
| B-91 | |
| B-94 | |
| B-95 | Need new lock, weep hole to depressurize well |
| B-96 | Needs lock bar, weep hole to depressurize well |
| B-99 | |
| B-103D | |
| B-109D | |
| B-110D | |
| B-113D | |
| B-115D | |
| B-116D | |
| B-117D | |
| B-118 | |
| B-119D | |
| B-123D | |
| AP-1-B-3 | |

Site Name: Plant McDonough

Well Inspection

Date: 9/5/2023

Permit Number: _____

Field Conditions: _____

| | Corrective actions as needed, by date: |
|-----------------|--|
| Well ID: | |
| AP-1-B-7 | |
| AP-1-B-8 | |
| DW-1 | |
| DW-2 | |
| DW-3 | |
| DW-4 | |
| WT-1 | Staff gauge- gauge tilted and innacurate. Needs to be straightened or replaced |
| WT-2 | |
| WT-3 | |
| WT-4 | |
| WT-5 | |
| WT-6 | Staff gauge- gauge destroyed by felled tree. Needs to be replaced |
| WT-7 | Staff gauge- gauge tilted and innacurate. Needs to be straightened or replaced |
| ET-1 | |

Southern Company CFS

Plant McDonough Feb. 2024 Well O&M (Feb. 8th)

McDonough AP4:

B-80 – Hinge was bent causing lid to not close properly. Replaced lid with new hinge.



B-92 – Locking bar broken and repaired. Cleaned off pad.



Southern Company CFS
Plant McDonough Feb. 2024 Well O&M (Feb. 8th)

B-96 – U bolt in pad broken and repaired. Lock damaged by mower. Replaced lock. Cleaned pad.

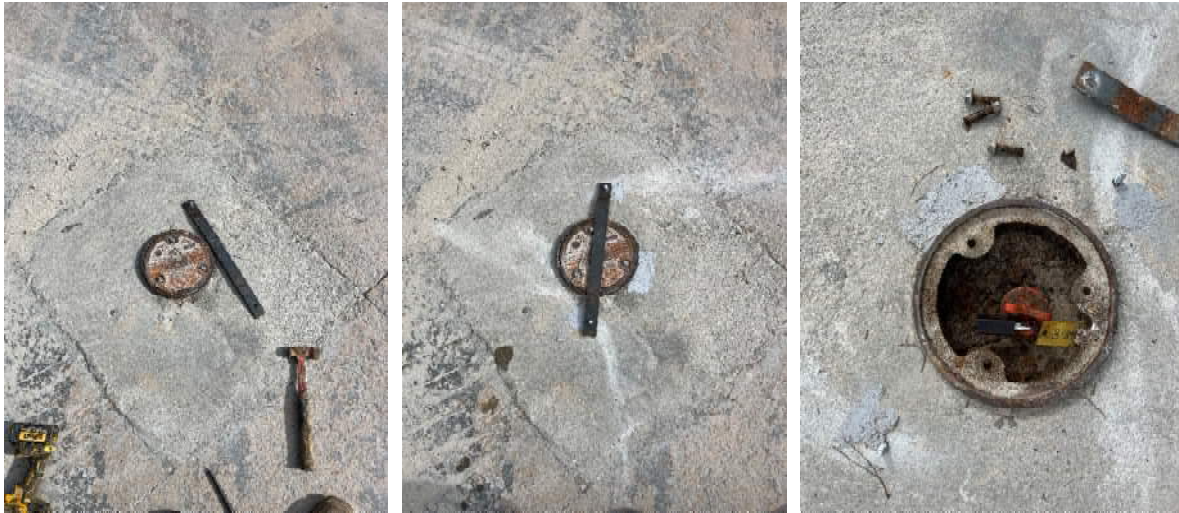


B-95 – Lock missing. Added new lock.



Southern Company CFS
Plant McDonough Feb. 2024 Well O&M (Feb. 8th)

B-89 – Strap Broken and repaired. Smaller 2246 lock added.



B-65 - Strap Broken and repaired.



APPENDIX D

**Piezometer Decommissioning
and Abandonment Report
(B-31 and B-74)**



November 13, 2023

Project No.31406640.McD23

Ms. Lauren Hartley, Senior Geologist

Southern Company Services
241 Ralph McGill Boulevard NE
Atlanta, GA 30308
laucocker@southernco.com

**SUBJECT: PIEZOMETER DECOMMISSIONING AND ABANDONMENT (B-31 AND B-74) REPORT
 GEORGIA POWER COMPANY - PLANT MCDONOUGH-ATKINSON, SMYRNA, GEORGIA**

Dear Ms. Hartley:

WSP USA Inc. (WSP) is submitting this *Piezometer Decommissioning and Abandonment (B-31 and B-74) Report* to Southern Company Services, Inc. (SCS) and Georgia Power Company (Georgia Power), to document the decommissioning and abandonment of two piezometers at Plant McDonough-Atkinson in Smyrna, Georgia (Site). The two Site piezometers (B-31 and B-74) required abandonment to allow for a local infrastructure project (a watermain project along Maner road) in the area of Plant McDonough-Atkinson.

Piezometer abandonment activities were performed using industry-accepted practices and following the Manual for Groundwater Monitoring (1991) and Georgia Water Well Standards Act of 1985 [Official Code of Georgia Annotated (O.C.G.A.) 12-5-120, 1985] as guides. The decommissioning and abandonment of the piezometers was conducted under the oversight and direction of a Georgia Registered Professional Geologist (PG).

The field activities for the abandonment were performed on October 4, 2023. The field work consisted of the decommissioning and abandonment of two Site piezometers (B-31 and B-74). A summary of the activities is presented below. Figure 1 presents the former locations of the abandoned piezometers.

Piezometer Decommissioning and Abandonment Activities

On October 4th, Site piezometers B-31 and B-74 were abandoned by Southern Company Civil Field Services (CFS). CFS has a current and valid bond with the Water Wells Standards Advisory Council for the State of Georgia (Appendix A). An experienced WSP professional geologist registered to practice in the state of Georgia was present on site to oversee and record the piezometer decommissioning and abandonment.

Piezometer Decommissioning and Abandonment

Prior to piezometer decommissioning, WSP utilized a water level probe to confirm the total depth of the well. As piezometers B-31 and B-74 were located outside the footprint of the waste unit, decommissioning and abandonment procedures included removal of the piezometer's protective cover and concrete pad. The piezometers were then tremie-grouted from the bottom to 10' below top of casing with care taken to remove the column of water within the well. The initial grout mixture for B-74 was 17 lbs. AquaGuard bentonite powder and 4 gallons of potable water. The initial grout mixture for B-31 was 25 lbs AquaGuard bentonite powder and 7 gallons of water. The top 10 feet of the piezometers were then overdrilled, and the PVC pipe destroyed or removed. The driller then grouted the remaining borehole of each piezometer to the ground surface. The final grout mixture for B-74 was 38 lbs Quikrete non-shrink precision grout, 10 lbs AquaGuard bentonite powder, and 6.5 gallons of



water. The final grout mixture for B-31 was 38 lbs Quikrete non-shrink precision grout 10 lbs AquaGuard bentonite powder and 6.5 gallons of water.

A summary of piezometer decommissioning data is presented in Table 1, and the former locations of the abandoned piezometers are provided in Figure 1. The original construction logs and the abandonment logs for B-31 and B-74 documenting pipe removal and grouting details are included in Appendix B.

Certification

We appreciate the opportunity to assist Southern Company Services, Inc. and Georgia Power with this project. Should you have any questions or require additional information, please contact the undersigned at (770) 496-1893.

Sincerely,

WSP USA INC.

Dawn L. Prell, CPG
Senior Consultant, Hydrogeologist

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



Christopher Tidwell, PG
Georgia Registered Professional Geologist No. 2377

- Attachments: Figure 1: Location of Piezometers Abandoned
- Table 1: Summary of Piezometer Decommissioning Data
- Appendix A: Cascade Drilling Bond
- Appendix B: Piezometer Construction Diagrams/Abandonment Logs

Attachments

Figures & Tables



LEGEND

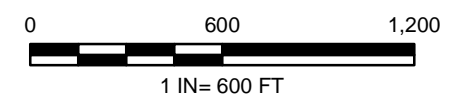
- ◆ AP-1 MONITORING WELL
- ◆ AP-2,3/4 MONITORING WELL
- ◆ UPGRADIENT WELL
- ★ ASSESSMENT MONITORING WELLS
- ◆ PIEZOMETER
- ▲ TEMPORARY AEM WELL
- ◆ SURFACE WATER MONITORING LOCATION
- ABANDONED PIEZOMETER
- STAFF GAUGE
- PROPERTY BOUNDARY
- PERMIT BOUNDARY

NOTES

1. ALL LOCATIONS AND BOUNDARIES ARE APPROXIMATE.

REFERENCE

1. AERIAL IMAGE DATED NOVEMBER 2019 FROM GOOGLE EARTH AND JANUARY 2023 PROVIDED BY GPC.
2. COORDINATE SYSTEM: NAD 1983 STATE PLANE GEORGIA WEST (U.S. FEET).
3. MONITORING WELL/PIEZOMETER LOCATIONS AND ELEVATIONS SURVEYED BY METRO ENGINEERING AND SURVEYING COMPANY IN AUGUST 2020 WITH ADDITIONAL SURVEY PROVIDED IN JANUARY 2021, MAY 2021, AND MAY 2023.



CLIENT
GEORGIA POWER COMPANY
 PLANT MCDONOUGH-ATKINSON



PROJECT
PIEZOMETER DECOMMISSIONING AND ABANDONMENT (B-31 AND B-74) REPORT

TITLE
LOCATION OF PIEZOMETERS ABANDONED

| CONSULTANT | DATE | REVISION |
|------------|-------------------|------------|
| | YYYY-MM-DD | 2023-10-20 |
| | PREPARED | SEB |
| | DESIGN | DLP |
| | CHECKED | DP/RPK |
| | REVIEWED/APPROVED | RNQ |

IF THE MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET HAS BEEN MODIFIED FROM ANS.B

TABLE 1.
SUMMARY OF PIEZOMETER DECOMMISSIONING DATA
Georgia Power Company - Plant McDonough-Atkinson
Smyrna, Georgia

| Piezometer Identification | Date of Decommissioning | Time of Decommissioning | Total Depth (feet) | Well Diameter (inches) | Volume of Well (cu ft) | Material Used to Decommission | Comments |
|----------------------------------|--------------------------------|--------------------------------|---------------------------|-------------------------------|-------------------------------|--------------------------------------|--|
| B-31 | 10/4/2023 | 11:20 | 38.5 | 2 | 5.04 | Grout Mixture | Surface features removed; Approximately 14 gallons of grout |
| B-74 | 10/4/2023 | 8:50 | 16.3 | 2 | 2.13 | Grout Mixture | Surface features removed; Approximately 10 gallons of grout |

Notes:

cu ft = cubic feet

Times listed for decommissioning are the starting times of decommissioning activities.

APPENDIX A

Cascade Drilling Bond

CONTINUATION
CERTIFICATE

SAFECO Insurance Company of America

, Surety upon

a certain Bond No. **4993104**

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

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

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

does hereby continue said bond in force for the further period

beginning on June 30, 2023
(MONTH-DAY-YEAR)

and ending on June 30, 2024
(MONTH-DAY-YEAR)

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

Description of bond Water Well Contractors & Drillers

Premium: \$100.00

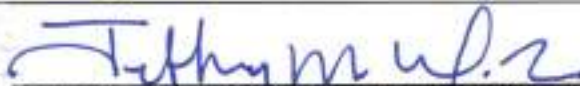
PROVIDED: That this continuation certificate does not create a new obligation and is executed upon the express condition and provision that the Surety's liability under said bond and this and all Continuation Certificates issued in connection therewith shall not be cumulative and that the said Surety's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

Signed and dated on 05/22/2023
(MONTH-DAY-YEAR)

SAFECO Insurance Company of America

175 Berkeley Street, Boston, MA 02116

By



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

McGriff Insurance Services, LLC

Agent

2211 7th Avenue South, Birmingham, AL 35233

Address of Agent

(205) 252-9871

Telephone Number of Agent



This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

American States Insurance Company
First National Insurance Company of America
General Insurance Company of America
Safeco Insurance Company of America

Certificate No. 8205019-016032

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That American States Insurance Company is a corporation duly organized under the laws of the State of Indiana, that First National Insurance Company of America, General Insurance Company of America, and Safeco Insurance Company of America are corporations duly organized under the laws of the State of New Hampshire (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Alisa B. Ferris; Anna Childress; Jeffrey M. Wilson; Mark W. Edwards II; Richard H. Mitchell; Robert R. Freel; Sam Audia; William M. Smith

all of the city of Birmingham state of AL each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 11th day of March, 2021.



American States Insurance Company
First National Insurance Company of America
General Insurance Company of America
Safeco Insurance Company of America

By: [Signature]
David M. Carey, Assistant Secretary

State of PENNSYLVANIA
County of MONTGOMERY ss

On this 11th day of March, 2021 before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of American States Insurance Company, First National Insurance Company of America, General Insurance Company of America, and Safeco Insurance Company of America, and that he, as such, being authorized to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at King of Prussia, Pennsylvania, on the day and year first above written.



Commonwealth of Pennsylvania - Notary Seal
Teresa Pastella, Notary Public
Montgomery County
My commission expires March 26, 2025
Commission number 1126044
Member, Pennsylvania Association of Notaries

By: [Signature]
Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-law and Authorizations of American States Insurance Company, First National Insurance Company of America, General Insurance Company of America, and Safeco Insurance Company of America, which are now in full force and effect reading as follows:

ARTICLE IV - OFFICERS: Section 12. Power of Attorney

Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorney-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

Certificate of Designation - The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization - By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, whenever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Renee C. Llewellyn, the undersigned, Assistant Secretary, of American States Insurance Company, First National Insurance Company of America, General Insurance Company of America, and Safeco Insurance Company of America do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 22nd day of May, 2023.



By: [Signature]
Renee C. Llewellyn, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, currency rate, interest rate or residual value guarantees.

For bond and/or Power of Attorney (POA) verification inquiries, please call 610-832-8240 or email HOSUR@libertymutual.com.



SURETY DIVISION
2211 7TH AVENUE SOUTH, BIRMINGHAM, AL 35233

MEAGAN CARTER

LETTER OF TRANSMITTAL

To: Clementine Broaders
Southern Power Company

Date: 5/22/2023

We are sending you:

- | | | |
|---|---|---|
| <input type="checkbox"/> Duplicate Original | <input type="checkbox"/> Consent of Surety | <input type="checkbox"/> Certificate of Insurance |
| <input checked="" type="checkbox"/> CC / VC | <input type="checkbox"/> Change Order | <input type="checkbox"/> Motor Fuel Bonds |
| <input type="checkbox"/> Invoice | <input type="checkbox"/> Financial/ Indemnity | <input type="checkbox"/> Bond |

No. of Copies: Description:

(1) CC

Bond No. 4993104

****Please review and notify if you should have any questions, or if changes or amendments are needed. ****

These are transmitted as checked below:

- | | | |
|--|---|--|
| <input type="checkbox"/> Info and/or necessary action in remarks | <input type="checkbox"/> For your file | <input checked="" type="checkbox"/> As requested |
| <input checked="" type="checkbox"/> For your use | <input type="checkbox"/> Returned for corrections | <input type="checkbox"/> Please sign as indicated and return |

REMARKS: UPS

If enclosures are not as noted, kindly notify at once.

Signed: Meagan Carter, Senior Client Service Specialist – Surety

CONTINUATION
CERTIFICATE

SAFECO Insurance Company of America

, Surety upon

a certain Bond No. **4993104**

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

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

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

does hereby continue said bond in force for the further period

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

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

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

Description of bond Water Well Contractors & Drillers

Premium: \$100.00

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

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

SAFECO Insurance Company of America
175 Berkeley Street, Boston, MA 02116

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

McGriff Insurance Services, LLC
Agent

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

(205) 252-9871
Telephone Number of Agent



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

POWER OF ATTORNEY

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

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



State of Connecticut

City of Hartford ss.

By: 
 Robert L. Raney, Senior Vice President

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

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

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




 Anna P. Nowik, Notary Public

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

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

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

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

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

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

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




 Kevin E. Hughes, Assistant Secretary

To verify the authenticity of this Power of Attorney, please call us at 1-800-421-3880.

Please refer to the above-named Attorney(s)-in-Fact and the details of the bond to which this Power of Attorney is attached.

APPENDIX B

**Piezometer Construction Diagrams and Abandonment
Logs**

WELL CONSTRUCTION LOG

Southern Company Generation

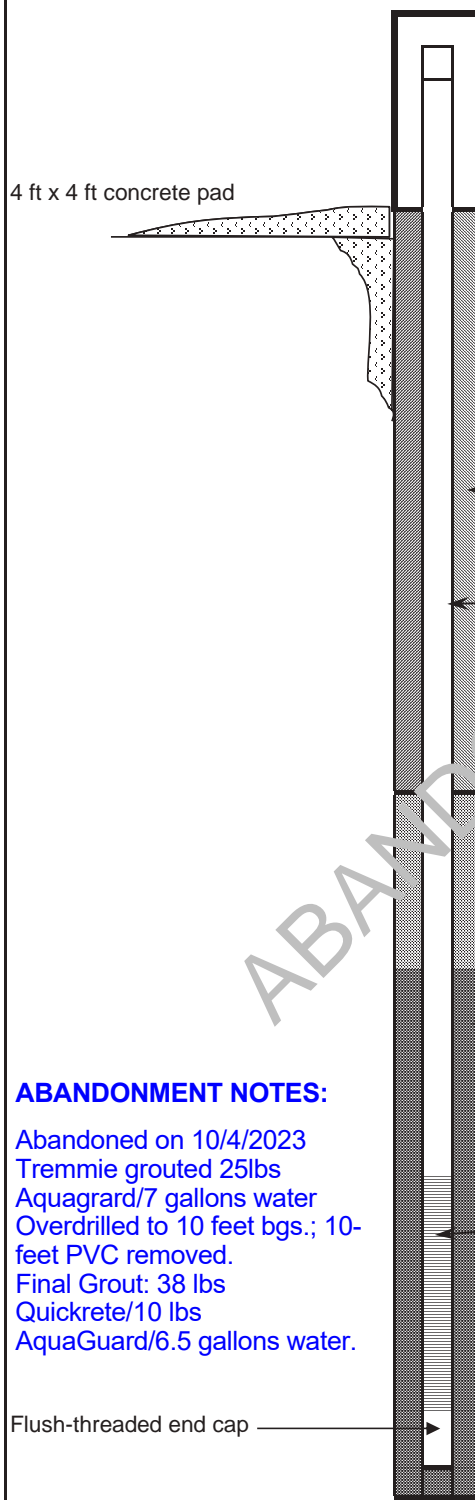
| PROJECT: Plant McDonough | | DRILLING CO.: SCS Field Services | | WELL |
|--|--|---|-------|-----------|
| Hydrogeologic Investigation | | DRILLER: S. Denty | | NAME |
| LOCATION: Ash Pond 1 | | RIG TYPE: CME550 | | B-31 |
| LOGGER: B. Gallagher | | DRILLING METHODS: HS Auger/HQ Rock Core | | |
| DATE CONSTRUCTED: 1/22/2013 | | N: 1392034.3 E: 2200928.5 | | |
| | | | DEPTH | ELEVATION |
| | | | FEET | FT, MSL |
| TOP OF RISER | | | -2.6 | 797.47 |
| 2" Threaded Riser Cap | | | | |
| GROUND SURFACE | | | 0.0 | 794.84 |
| PROTECTIVE CASING SIZE: 4" x 4" TYPE: aluminum BOTTOM OF GROUT | | | | |
| BACKFILL MATERIAL TYPE: Portland cement/bentonite grout AMOUNT: 5 bags cement 8 lbs bentonite RISER CASING DIA: 2 inch TYPE: Schedule 40 PVC JOINT TYPE: Flush Threaded | | | | |
| TOP OF SEAL | | | 25.7 | 769.1 |
| ANNULAR SEAL TYPE: PelPlug TR-30 1/4" bentonite pellets; 5-gallon buckets AMOUNT: 1/4 bucket PLACEMENT: Poured TOP OF FILTER PACK | | | | |
| TOP OF FILTER PACK | | | 29.1 | 765.7 |
| FILTER PACK TYPE: Filtersil #61 Size 1A; 50 lbs/bag AMOUNT: 1/2 Bags PLACEMENT: Tremie BOTTOM OF RISER / TOP OF SCREEN | | | | |
| BOTTOM OF RISER / TOP OF SCREEN | | | 34.7 | 760.1 |
| SCREEN DIA: 2" prepack (3.45" OD) TYPE: Schedule 40 PVC OPENING WIDTH: 0.01 inch OPENING TYPE: Slotted SLOT SPACING: 0.1 inch BOTTOM OF SCREEN | | | | |
| BOTTOM OF SCREEN | | | 44.7 | 750.1 |
| BOTTOM OF CASING | | | 45.1 | 749.7 |
| Flush-threaded end cap | | | | |
| HOLE DIA: 7 inch (auger) 3.8 inch (HQ core) | | | | |

ABANDONMENT NOTES:

Abandoned on 10/4/2023
 Tremmie grouted 25lbs
 Aquagrard/7 gallons water
 Overdrilled to 10 feet bgs.; 10-foot PVC removed.
 Final Grout: 38 lbs
 Quickrete/10 lbs
 AquaGuard/6.5 gallons water.

ABANDONED 10/4/2023

4 ft x 4 ft concrete pad



RECORD OF BOREHOLE B-74


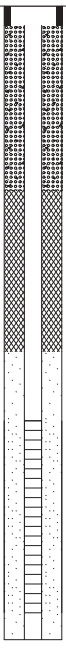


SHEET 1 of 1

PROJECT: SCS-Plant McDonough
 PROJECT NUMBER: 1779172
 DRILLED DEPTH: 16.50 ft
 LOCATION: ~50' West of B-68

DRILL RIG: Geoprobe 7822DT
 DATE STARTED: 4/24/17
 DATE COMPLETED: 4/25/17

NORTHING: 1,391,279.9
 EASTING: 2,200,666.1
 GS ELEVATION: 759.18
 TOC ELEVATION: 759.06 ft

DEPTH W.L.: 3.3'
 DATE W.L.: 4/25/2017
 TIME W.L.: 09:37

| DEPTH (ft) | ELEVATION (ft) | SOIL PROFILE | | | | SAMPLES | | | | MONITORING WELL/PIEZOMETER DIAGRAM and NOTES | WELL CONSTRUCTION DETAILS | |
|------------|----------------|---|-------|---|------------------|------------|------|---|---------|--|---|---|
| | | DESCRIPTION | USCS | GRAPHIC LOG | ELEV. DEPTH (ft) | SAMPLE NO. | TYPE | BLOWS per 6 in 140 lb hammer 30 inch drop | N-VALUE | | | REC |
| 0 | | 0.00 - 4.00 CL, CLAY, with some silt, low plasticity; red brown, fill; cohesive, moist, w<PL, soft. | CL |  | 755.2 4.00 | | | | | |  <p>8" Diameter Round Flush Mount Pure Gold Grout Mixture Pel-Plug 3/8" Bentonite Pellets FilterSil gravel pack Pre-pack 0.010" Slotted Schedule 40 PVC</p> | <p>WELL CASING Interval: 0' - 16.2' Material: Schedule 40 PVC Diameter: 2" Joint Type: Flush/Screw</p> <p>SURFACE CASING Interval: Material: Diameter:</p> <p>WELL SCREEN Interval: 10.8' - 15.8' Material: Pre-pack Schedule 40 PVC Diameter: 2" Slot Size: 0.010" End Cap: 15.8' - 16.2'</p> <p>FILTER PACK Interval: 9.0' - 16.5' Type: FilterSil gravel pack</p> <p>FILTER PACK SEAL Interval: 4.8' - 9.0' Type: Pel-Plug 3/8" Bentonite Pellets</p> <p>ANNULUS SEAL Interval: 0' - 4.8' Type: Pure Gold Grout Mixture</p> <p>WELL COMPLETION Pad: 4' x 4' concrete Protective Casing: 8" Diameter Round Flush Mount</p> <p>DRILLING METHODS Soil Drill: 4.25-inch ID HSA Rock Drill: N/A</p> <p>NOTES N/A</p> |
| 5 | | 4.00 - 13.50 SP-SM, Poorly-graded SAND with Silt and trace gravel, fine to coarse, non-plastic; white to tan, deeply weathered, granitic; non-cohesive, moist, w<PL, loose/soft. | SP-SM |  | | S1 | DO | 3-18-20 | 38 | 0.75 1.50 | | |
| 10 | | 13.50 - 16.50 SM, Silty SAND, non-plastic; white to light gray; non-cohesive, dry to moist, w<PL, dense. | SM |  | 745.7 13.50 | S2 | DO | 50/3 | 50/3 | 0.25 1.50 | | |
| 15 | | Boring completed at 16.50 ft | | | 742.7 | | | | | | | |
| 20 | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | |
| 35 | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | |

ABANDONED 10/4/2023

ABANDONMENT NOTES:
 Abandoned on 10/4/2023
 Tremmie grouted 17lbs Aquagard/4 gallons water Overdrilled to 10 feet bgs.; 10-foot PVC removed.
 Final Grout: 38 lbs Quickrete/10 lbs AquaGuard/6.5 gallons water.

BOREHOLE RECORD: 1779172.GPJ_PIEDMONT.GDT 5/18/17

LOG SCALE: 1 in = 5 ft
 DRILLING COMPANY: Southern Company Services
 DRILLER: S. Milam

GA INSPECTOR: Michael Boatman PG
 CHECKED BY: Rachel Kirkman, PG
 DATE: 5/17/17



APPENDIX E

Annual Water Well Survey

Plant McDonough

5551 South Cobb Drive SE
Atlanta, GA 30339

Inquiry Number: 7536473.3s
January 08, 2024

The EDR GeoCheck® Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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GEOCHECK® - PHYSICAL SETTING SOURCE REPORT

TARGET PROPERTY ADDRESS

PLANT MCDONOUGH
5551 SOUTH COBB DRIVE SE
ATLANTA, GA 30339

TARGET PROPERTY COORDINATES

| | |
|-------------------------------|----------------------------|
| Latitude (North): | 33.818566 - 33° 49' 6.84" |
| Longitude (West): | 84.481499 - 84° 28' 53.40" |
| Universal Tranverse Mercator: | Zone 16 |
| UTM X (Meters): | 733105.4 |
| UTM Y (Meters): | 3744697.8 |
| Elevation: | 791 ft. above sea level |

USGS TOPOGRAPHIC MAP

| | |
|----------------------|--------------------------------|
| Target Property Map: | 33084-G4 NORTHWEST ATLANTA, GA |
| Version Date: | 1997 |

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

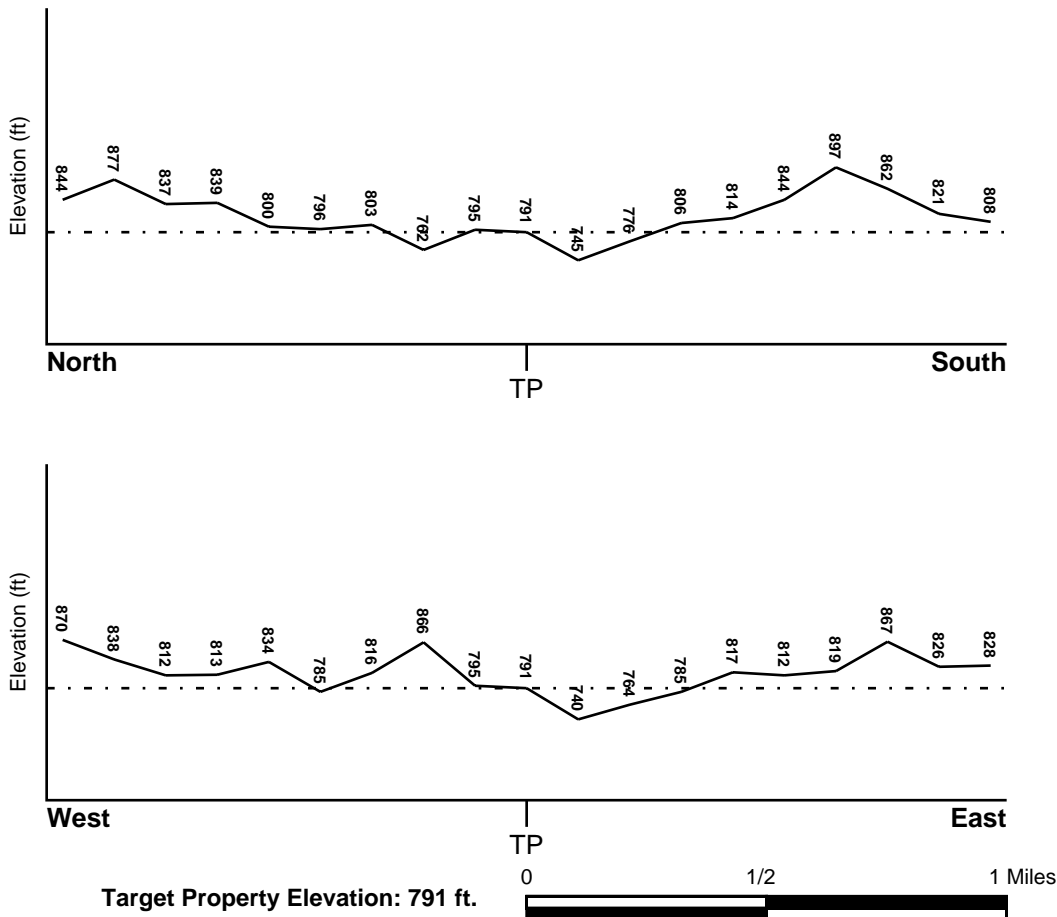
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General ESE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

| | |
|---|-------------------------|
| <u>Flood Plain Panel at Target Property</u> | <u>FEMA Source Type</u> |
| 13067C0228H | FEMA FIRM Flood data |
| <u>Additional Panels in search area:</u> | <u>FEMA Source Type</u> |
| 13067C0229H | FEMA FIRM Flood data |
| 13121C0229F | FEMA FIRM Flood data |
| 13067C0236H | FEMA FIRM Flood data |
| 13121C0237F | FEMA FIRM Flood data |
| 13121C0236F | FEMA FIRM Flood data |

NATIONAL WETLAND INVENTORY

| | |
|---|---|
| <u>NWI Quad at Target Property</u> NORTHWEST ATLANTA | <u>NWI Electronic Data Coverage</u> YES - refer to the Overview Map and Detail Map |
|---|---|

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

| <u>MAP ID</u> | <u>LOCATION FROM TP</u> | <u>GENERAL DIRECTION GROUNDWATER FLOW</u> |
|---------------|-------------------------|---|
| 1 | 1/8 - 1/4 Mile SE | SSW |
| 2 | 1/2 - 1 Mile SSE | SW |
| 3 | 1/2 - 1 Mile South | SW |

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

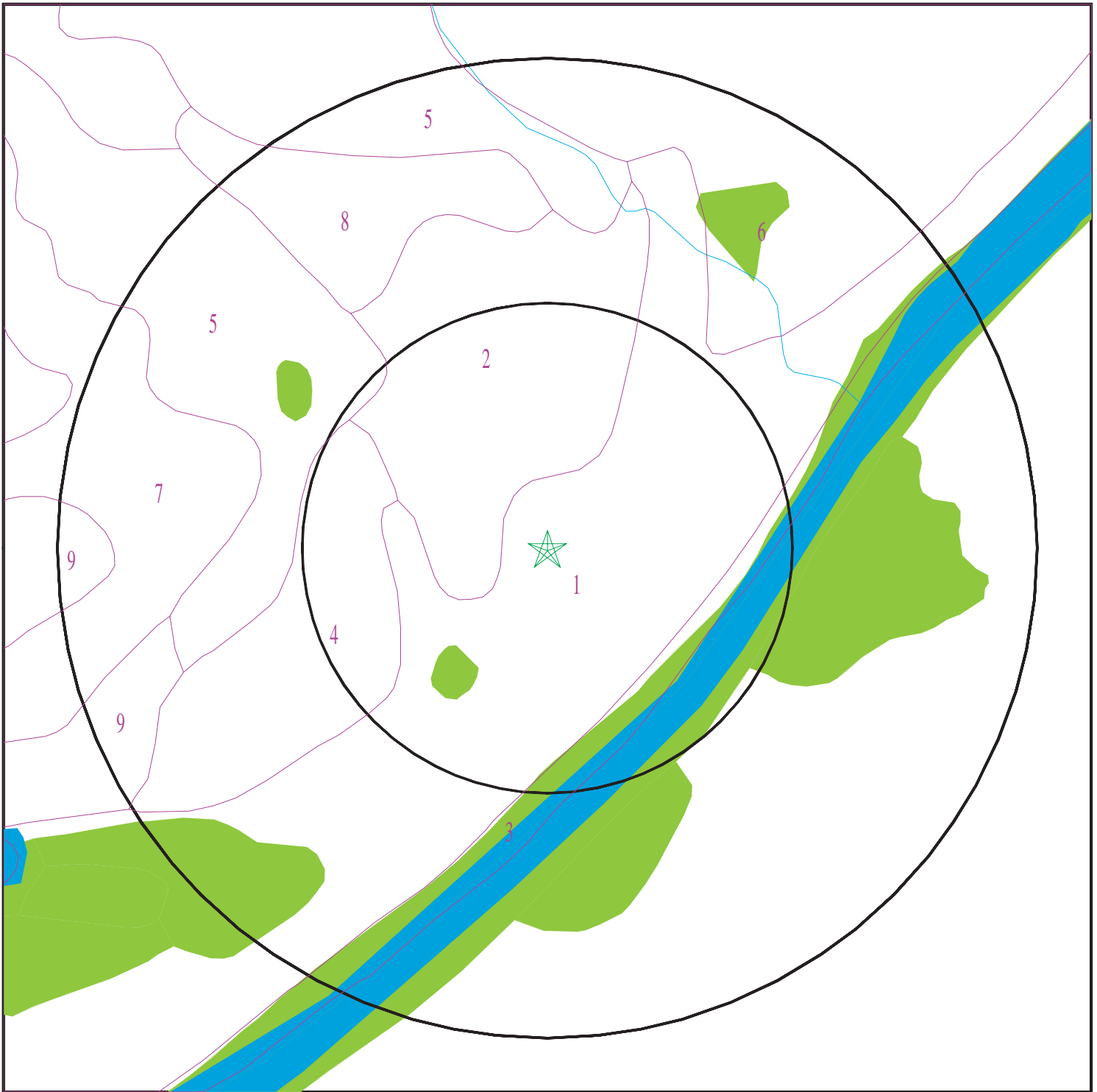
| | |
|---------|---|
| Era: | Paleozoic |
| System: | Pennsylvanian |
| Series: | Cataclastic rocks |
| Code: | cat (decoded above as Era, System & Series) |

GEOLOGIC AGE IDENTIFICATION

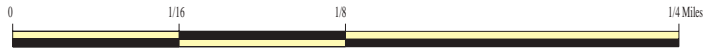
Category: Metamorphic Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 7536473.3s



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: Plant McDonough
ADDRESS: 5551 South Cobb Drive SE
Atlanta GA 30339
LAT/LONG: 33.818566 / 84.481499

CLIENT: WSP USA Environment & Infrastructure Inc.
CONTACT: Tanya Kinnard
INQUIRY #: 7536473.3s
DATE: January 08, 2024 4:33 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Toccoa

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 114 inches

| Soil Layer Information | | | | | | | |
|------------------------|----------|-----------|--------------------|---|--|--|----------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 9 inches | sandy loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 42 Min: 14 | Max: 6.5 Min: 5.1 |
| 2 | 9 inches | 59 inches | sandy loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 42 Min: 14 | Max: 6.5 Min: 5.1 |

Soil Map ID: 2

Soil Component Name: Madison

Soil Surface Texture: sandy clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

| Soil Layer Information | | | | | | | |
|------------------------|-----------|-----------|--------------------|--|--|--|--------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 1 | 29 inches | 35 inches | sandy clay loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 14 Min: 4 | Max: 6 Min: 4.5 |
| 2 | 0 inches | 5 inches | sandy loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 14 Min: 4 | Max: 6 Min: 4.5 |
| 3 | 5 inches | 29 inches | clay | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 14 Min: 4 | Max: 6 Min: 4.5 |
| 4 | 35 inches | 66 inches | sandy loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 14 Min: 4 | Max: 6 Min: 4.5 |

Soil Map ID: 3

Soil Component Name: Water

Soil Surface Texture: sandy clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 4

Soil Component Name: Madison

Soil Surface Texture: sandy clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

| Soil Layer Information | | | | | | | |
|------------------------|-----------|-----------|--------------------|--|--|---|--------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 5 inches | sandy clay loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 14 Min: 4 | Max: 6 Min: 4.5 |
| 2 | 5 inches | 29 inches | clay | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 14 Min: 4 | Max: 6 Min: 4.5 |
| 3 | 29 inches | 35 inches | clay loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 14 Min: 4 | Max: 6 Min: 4.5 |

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

| Soil Layer Information | | | | | | | |
|------------------------|-----------|-----------|--------------------|--|--|--|--------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 4 | 35 inches | 66 inches | loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 14 Min: 4 | Max: 6 Min: 4.5 |

Soil Map ID: 5

Soil Component Name: Madison

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

| Soil Layer Information | | | | | | | |
|------------------------|----------|-----------|--------------------|---|--|--|--------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 5 inches | sandy loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 14 Min: 4 | Max: 6 Min: 4.5 |
| 2 | 5 inches | 29 inches | clay | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 14 Min: 4 | Max: 6 Min: 4.5 |

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

| Soil Layer Information | | | | | | | |
|------------------------|-----------|-----------|--------------------|---|--|---|--------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 3 | 29 inches | 35 inches | clay loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 14 Min: 4 | Max: 6 Min: 4.5 |
| 4 | 35 inches | 66 inches | sandy loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 14 Min: 4 | Max: 6 Min: 4.5 |

Soil Map ID: 6

Soil Component Name: Urban land

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 200 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 7

Soil Component Name: Madison

Soil Surface Texture: clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

| Soil Layer Information | | | | | | | |
|------------------------|-----------|-----------|--------------------|--|--|--|--------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 5 inches | clay loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 14 Min: 4 | Max: 6 Min: 4.5 |
| 2 | 5 inches | 29 inches | clay | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 14 Min: 4 | Max: 6 Min: 4.5 |
| 3 | 29 inches | 35 inches | sandy clay loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 14 Min: 4 | Max: 6 Min: 4.5 |
| 4 | 35 inches | 66 inches | sandy loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 14 Min: 4 | Max: 6 Min: 4.5 |

Soil Map ID: 8

Soil Component Name: Madison

Soil Surface Texture: sandy clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

| Soil Layer Information | | | | | | | |
|------------------------|-----------|-----------|--------------------|--|--|--|--------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 1 | 29 inches | 35 inches | sandy clay loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 14 Min: 4 | Max: 6 Min: 4.5 |
| 2 | 0 inches | 5 inches | sandy loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 14 Min: 4 | Max: 6 Min: 4.5 |
| 3 | 5 inches | 29 inches | clay | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 14 Min: 4 | Max: 6 Min: 4.5 |
| 4 | 35 inches | 66 inches | sandy loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 14 Min: 4 | Max: 6 Min: 4.5 |

Soil Map ID: 9

Soil Component Name: Madison

Soil Surface Texture: sandy clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

| Soil Layer Information | | | | | | | |
|------------------------|-----------|-----------|--------------------|--|--|--|--------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 1 | 29 inches | 35 inches | sandy clay loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 14 Min: 4 | Max: 6 Min: 4.5 |
| 2 | 0 inches | 5 inches | clay loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 14 Min: 4 | Max: 6 Min: 4.5 |
| 3 | 5 inches | 29 inches | clay | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 14 Min: 4 | Max: 6 Min: 4.5 |
| 4 | 35 inches | 66 inches | sandy loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 14 Min: 4 | Max: 6 Min: 4.5 |

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

| <u>DATABASE</u> | <u>SEARCH DISTANCE (miles)</u> |
|------------------|--------------------------------|
| Federal USGS | 2.000 |
| Federal FRDS PWS | 2.000 |
| State Database | 2.000 |

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

| MAP ID | WELL ID | LOCATION FROM TP |
|--------|-----------------|---------------------|
| A4 | USGS40000265087 | 1 - 2 Miles ENE |
| A7 | USGS40000265094 | 1 - 2 Miles ENE |
| A9 | USGS40000265091 | 1 - 2 Miles ENE |
| B10 | USGS40000265121 | 1 - 2 Miles NNE |
| D22 | USGS40000265168 | 1 - 2 Miles NNW |
| E23 | USGS40000265030 | 1 - 2 Miles WSW |

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

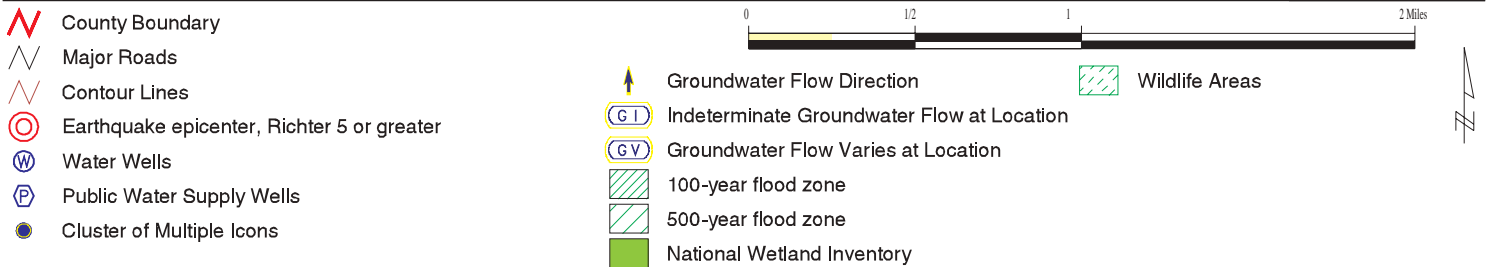
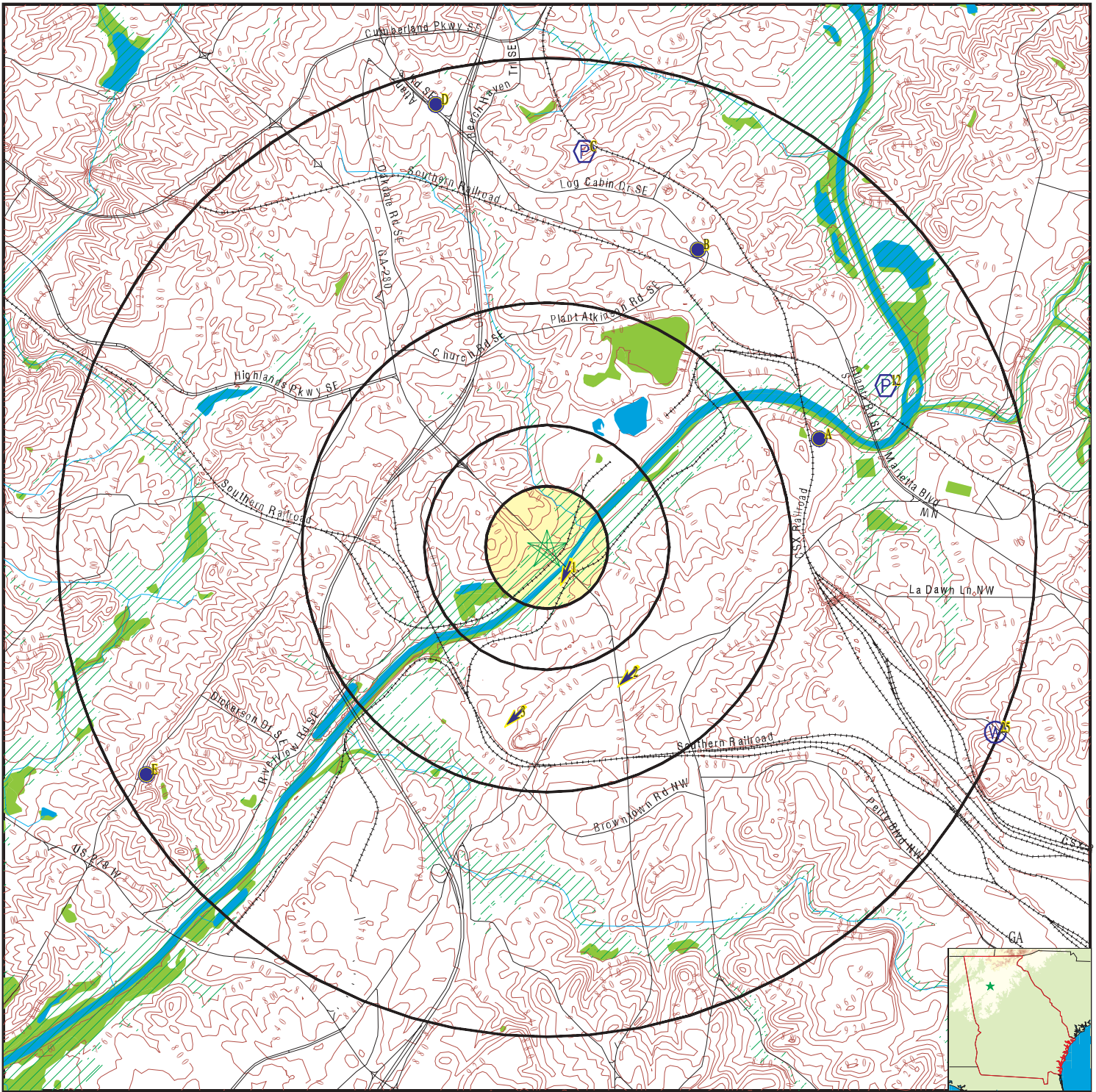
| MAP ID | WELL ID | LOCATION FROM TP |
|--------|-----------|---------------------|
| 12 | GA1210001 | 1 - 2 Miles ENE |
| C13 | GA1210038 | 1 - 2 Miles North |
| C14 | GA1210000 | 1 - 2 Miles North |
| C15 | GA1210006 | 1 - 2 Miles North |
| C16 | GA1210037 | 1 - 2 Miles North |
| C17 | GA1210002 | 1 - 2 Miles North |
| C18 | GA1210039 | 1 - 2 Miles North |
| C19 | GA1210007 | 1 - 2 Miles North |
| C20 | GA1210005 | 1 - 2 Miles North |

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

| MAP ID | WELL ID | LOCATION FROM TP |
|--------|------------|---------------------|
| A5 | 0000004656 | 1 - 2 Miles ENE |
| A6 | 0000004659 | 1 - 2 Miles ENE |
| A8 | 0000004658 | 1 - 2 Miles ENE |
| B11 | 0000002231 | 1 - 2 Miles NNE |
| D21 | 0000002233 | 1 - 2 Miles NNW |
| E24 | 0000002229 | 1 - 2 Miles WSW |
| 25 | 0000004654 | 1 - 2 Miles ESE |

PHYSICAL SETTING SOURCE MAP - 7536473.3s



SITE NAME: Plant McDonough
 ADDRESS: 5551 South Cobb Drive SE
 Atlanta GA 30339
 LAT/LONG: 33.818566 / 84.481499

CLIENT: WSP USA Environment & Infrastructure Inc.
 CONTACT: Tanya Kinnard
 INQUIRY #: 7536473.3s
 DATE: January 08, 2024 4:33 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

| | | | | |
|--|---|--|-----------------|--------------|
| 1 SE 1/8 - 1/4 Mile Lower | Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date: | 0-601138 SSW 18.82 19.04 Not Reported 07/1991 | AQUIFLOW | 18783 |
|--|---|--|-----------------|--------------|

| | | | | |
|--|---|---|-----------------|--------------|
| 2 SSE 1/2 - 1 Mile Higher | Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date: | 0-600936 SW 19 30 Not Reported 06/1995 | AQUIFLOW | 18791 |
|--|---|---|-----------------|--------------|

| | | | | |
|--|---|--|-----------------|--------------|
| 3 South 1/2 - 1 Mile Higher | Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date: | 9000676 SW 3.71 23.84 Not Reported 7/1994 | AQUIFLOW | 23156 |
|--|---|--|-----------------|--------------|

| | | | | |
|--|--|--|-----------------|------------------------|
| A4 ENE 1 - 2 Miles Higher | | | FED USGS | USGS40000265087 |
|--|--|--|-----------------|------------------------|

| | | | |
|---|--|---|---|
| Organization ID: Monitor Location: Description: Drainage Area: Contrib Drainage Area: Aquifer: Aquifer Type: Well Depth: Well Hole Depth: | USGS-GA 10EE27 SONOCO PRODUCTS Not Reported Not Reported Not Reported Not Reported 500 500 | Organization Name: Type: HUC: Drainage Area Units: Contrib Drainage Area Units: Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units: | USGS Georgia Water Science Center Well 03130002 Not Reported Not Reported Not Reported 19660401 ft ft |
|---|--|---|---|

| | | | | |
|--|--|--|-----------------|-------------------|
| A5 ENE 1 - 2 Miles Higher | | | GA WELLS | 0000004656 |
|--|--|--|-----------------|-------------------|

| | | | |
|--|---|---|--|
| County code: Remarks: Lon: Alt: Depth: Casing dia: Depth to top: Opening type: Discharge: Aquifer code: | 121 SONOCO PRODUCTS 0842745 900.00 500 Not Reported 23.00 X 32.00 Not Reported | Well num: Lat: Latlon datum: Alt datum: Depth to casing: Casing matl: Depth to bot: Constr date: Prim use: Edr id: | 10EE27 334926 NAD27 NGVD29 23.00 S 500.00 196604 C 0000004656 |
|--|---|---|--|

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A6
ENE
1 - 2 Miles
Lower

GA WELLS 0000004659

| | | | |
|---------------|-----------------|------------------|------------|
| County code: | 121 | Well num: | 10EE26 |
| Remarks: | SONOCO PRODUCTS | Lat: | 334933 |
| Lon: | 0842745 | Latlon datum: | NAD27 |
| Alt: | 900.00 | Alt datum: | NGVD29 |
| Depth: | 500 | Depth to casing: | 23.00 |
| Casing dia: | 8.00 | Casing matl: | S |
| Depth to top: | 23.00 | Depth to bot: | 500.00 |
| Opening type: | X | Constr date: | 196603 |
| Discharge: | 30.00 | Prim use: | C |
| Aquifer code: | Not Reported | Edr id: | 0000004659 |

A7
ENE
1 - 2 Miles
Lower

FED USGS USGS40000265094

| | | | |
|------------------------|-----------------|-----------------------------|-----------------------------------|
| Organization ID: | USGS-GA | Organization Name: | USGS Georgia Water Science Center |
| Monitor Location: | 10EE26 | Type: | Well |
| Description: | SONOCO PRODUCTS | HUC: | 03130002 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Not Reported | Formation Type: | Not Reported |
| Aquifer Type: | Not Reported | Construction Date: | 19660301 |
| Well Depth: | 500 | Well Depth Units: | ft |
| Well Hole Depth: | 500 | Well Hole Depth Units: | ft |

A8
ENE
1 - 2 Miles
Higher

GA WELLS 0000004658

| | | | |
|---------------|-----------------|------------------|------------|
| County code: | 121 | Well num: | 10EE25 |
| Remarks: | SONOCO PRODUCTS | Lat: | 334930 |
| Lon: | 0842742 | Latlon datum: | NAD27 |
| Alt: | 900.00 | Alt datum: | NGVD29 |
| Depth: | 400 | Depth to casing: | 33.00 |
| Casing dia: | 10.00 | Casing matl: | S |
| Depth to top: | 33.00 | Depth to bot: | 400.00 |
| Opening type: | X | Constr date: | 195801 |
| Discharge: | 144.00 | Prim use: | C |
| Aquifer code: | Not Reported | Edr id: | 0000004658 |

A9
ENE
1 - 2 Miles
Higher

FED USGS USGS40000265091

| | | | |
|-------------------|-----------------|----------------------|-----------------------------------|
| Organization ID: | USGS-GA | Organization Name: | USGS Georgia Water Science Center |
| Monitor Location: | 10EE25 | Type: | Well |
| Description: | SONOCO PRODUCTS | HUC: | 03130002 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|------------------------|--------------|------------------------------|--------------|
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Units: | Not Reported |
| Aquifer: | Not Reported | Formation Type: | Not Reported |
| Aquifer Type: | Not Reported | Construction Date: | 19580101 |
| Well Depth: | 400 | Well Depth Units: | ft |
| Well Hole Depth: | 400 | Well Hole Depth Units: | ft |

**B10
NNE
1 - 2 Miles
Higher**

FED USGS USGS40000265121

| | | | |
|------------------------|---|------------------------------|-----------------------------------|
| Organization ID: | USGS-GA | Organization Name: | USGS Georgia Water Science Center |
| Monitor Location: | 10EE02 | Type: | Well |
| Description: | W.C. HALL | HUC: | 03130002 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Units: | Not Reported |
| Aquifer: | Piedmont and Blue Ridge crystalline-rock aquifers | | |
| Formation Type: | Crystalline Rocks | Aquifer Type: | Confined multiple aquifer |
| Construction Date: | 1932 | Well Depth: | 79 |
| Well Depth Units: | ft | Well Hole Depth: | 79 |
| Well Hole Depth Units: | ft | | |

| | | | |
|---|--------------|---------------------|--------------|
| Ground water levels,Number of Measurements: | 49 | Level reading date: | 1992-06-16 |
| Feet below surface: | 29.34 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |
| | | | |
| Level reading date: | 1991-10-31 | Feet below surface: | 29.25 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| | | | |
| Level reading date: | 1991-05-23 | Feet below surface: | 30.74 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| | | | |
| Level reading date: | 1990-10-29 | Feet below surface: | 31.71 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| | | | |
| Level reading date: | 1990-05-30 | Feet below surface: | 29.21 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| | | | |
| Level reading date: | 1989-10-27 | Feet below surface: | 32.50 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| | | | |
| Level reading date: | 1988-11-28 | Feet below surface: | 34.10 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| | | | |
| Level reading date: | 1988-06-29 | Feet below surface: | 33.15 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| | | | |
| Level reading date: | 1987-10-26 | Feet below surface: | 32.99 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| | | | |
| Level reading date: | 1986-11-26 | Feet below surface: | 32.68 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| | | | |
| Level reading date: | 1986-07-28 | Feet below surface: | 32.00 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| | | | |
| Level reading date: | 1985-05-31 | Feet below surface: | 34.34 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---------------------|--------------|---------------------|--------------|
| Level reading date: | 1984-05-31 | Feet below surface: | 26.94 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1983-11-01 | Feet below surface: | 30.92 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1983-05-31 | Feet below surface: | 29.60 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1982-10-26 | Feet below surface: | 32.40 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1982-05-25 | Feet below surface: | 31.89 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1981-10-22 | Feet below surface: | 32.63 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1981-05-21 | Feet below surface: | 31.09 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1980-11-13 | Feet below surface: | 30.18 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1980-05-29 | Feet below surface: | 27.89 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1979-10-25 | Feet below surface: | 30.81 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1979-05-23 | Feet below surface: | 31.09 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1978-12-07 | Feet below surface: | 32.31 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1978-10-18 | Feet below surface: | 31.81 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1978-05-25 | Feet below surface: | 29.87 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1978-04-21 | Feet below surface: | 30.19 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1978-03-31 | Feet below surface: | 30.37 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1978-03-01 | Feet below surface: | 30.77 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1978-01-30 | Feet below surface: | 31.28 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1977-12-28 | Feet below surface: | 31.52 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1977-12-01 | Feet below surface: | 31.40 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1977-10-27 | Feet below surface: | 31.33 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---------------------|--------------|---------------------|--------------|
| Level reading date: | 1977-09-30 | Feet below surface: | 31.11 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1977-08-25 | Feet below surface: | 30.78 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1977-07-27 | Feet below surface: | 30.36 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1977-06-28 | Feet below surface: | 29.72 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1977-05-26 | Feet below surface: | 29.18 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1977-05-02 | Feet below surface: | 29.45 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1977-03-28 | Feet below surface: | 30.20 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1977-02-23 | Feet below surface: | 30.32 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1977-01-26 | Feet below surface: | 30.19 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1976-12-21 | Feet below surface: | 32.74 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1976-10-14 | Feet below surface: | 29.20 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1976-06-03 | Feet below surface: | 26.68 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1975-11-14 | Feet below surface: | 28.43 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1974-10-18 | Feet below surface: | 29.50 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1974-05-15 | Feet below surface: | 26.50 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1943-03-24 | Feet below surface: | 34 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

**B11
NNE
1 - 2 Miles
Higher**

GA WELLS 000002231

| | | | |
|---------------|-----------|------------------|--------------|
| County code: | 067 | Well num: | 10EE02 |
| Remarks: | W.C. HALL | Lat: | 335010 |
| Lon: | 0842815 | Latlon datum: | NAD27 |
| Alt: | 858.00 | Alt datum: | NGVD29 |
| Depth: | 79 | Depth to casing: | 40 |
| Casing dia: | 6 | Casing matl: | Not Reported |
| Depth to top: | 40 | Depth to bot: | 85 |
| Opening type: | X | Constr date: | 1932 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Discharge: Not Reported Prim use: U
 Aquifer code: 320CRSL Edr id: 0000002231

12
ENE
1 - 2 Miles
Lower

FRDS PWS GA1210001

| | | | |
|------------------|---------------------------|-------------------|---------------------|
| Epa region: | 04 | State: | GA |
| Pwsid: | GA1210001 | Pwsname: | ATLANTA |
| Cityserved: | Not Reported | Stateserved: | GA |
| Zipserved: | Not Reported | Fipscounty: | 13089 |
| Status: | Active | Retpopsrvd: | 650000 |
| Pwssvconn: | 240780 | Psource longname: | Surface_water |
| Pwstype: | CWS | Owner: | Local_Govt |
| Contact: | PARKER, RICHARD | Contactorgname: | PARKER, RICHARD |
| Contactphone: | 404-235-2058 | Contactaddress1: | 651 14TH STREET, NW |
| Contactaddress2: | Not Reported | Contactcity: | ATLANTA |
| Contactstate: | GA | Contactzip: | 30318 |
| Pwsactivitycode: | A | | |
| | | | |
| Pwsid: | GA1210001 | Facid: | 1027 |
| Facname: | HEMPHILL PLANT | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | disinfection |
| Trtprocess: | gaseous chlorination, pre | Factypecode: | TP |
| | | | |
| Pwsid: | GA1210001 | Facid: | 1027 |
| Facname: | HEMPHILL PLANT | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | particulate removal |
| Trtprocess: | rapid mix | Factypecode: | TP |
| | | | |
| Pwsid: | GA1210001 | Facid: | 1027 |
| Facname: | HEMPHILL PLANT | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | particulate removal |
| Trtprocess: | ph adjustment, pre | Factypecode: | TP |
| | | | |
| Pwsid: | GA1210001 | Facid: | 1027 |
| Facname: | HEMPHILL PLANT | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | particulate removal |
| Trtprocess: | coagulation | Factypecode: | TP |
| | | | |
| Pwsid: | GA1210001 | Facid: | 1027 |
| Facname: | HEMPHILL PLANT | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | particulate removal |
| Trtprocess: | flocculation | Factypecode: | TP |
| | | | |
| Pwsid: | GA1210001 | Facid: | 1027 |
| Facname: | HEMPHILL PLANT | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | particulate removal |
| Trtprocess: | sedimentation | Factypecode: | TP |
| | | | |
| Pwsid: | GA1210001 | Facid: | 1027 |
| Facname: | HEMPHILL PLANT | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | particulate removal |
| Trtprocess: | filtration, rapid sand | Factypecode: | TP |
| | | | |
| Pwsid: | GA1210001 | Facid: | 1027 |
| Facname: | HEMPHILL PLANT | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | corrosion control |
| Trtprocess: | ph adjustment, post | Factypecode: | TP |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|------------------|-----------------------------|---------------|---------------------|
| Pwsid: | GA1210001 | Facid: | 1027 |
| Facname: | HEMPHILL PLANT | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | disinfection |
| Trtprocess: | gaseous chlorination, post | | |
| Factypecode: | TP | | |
| Pwsid: | GA1210001 | Facid: | 2816 |
| Facname: | CHATTAHOOCHEE PLANT | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | disinfection |
| Trtprocess: | gaseous chlorination, pre | Factypecode: | TP |
| Pwsid: | GA1210001 | Facid: | 2816 |
| Facname: | CHATTAHOOCHEE PLANT | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | particulate removal |
| Trtprocess: | rapid mix | Factypecode: | TP |
| Pwsid: | GA1210001 | Facid: | 2816 |
| Facname: | CHATTAHOOCHEE PLANT | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | particulate removal |
| Trtprocess: | ph adjustment, pre | Factypecode: | TP |
| Pwsid: | GA1210001 | Facid: | 2816 |
| Facname: | CHATTAHOOCHEE PLANT | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | particulate removal |
| Trtprocess: | coagulation | Factypecode: | TP |
| Pwsid: | GA1210001 | Facid: | 2816 |
| Facname: | CHATTAHOOCHEE PLANT | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | particulate removal |
| Trtprocess: | flocculation | Factypecode: | TP |
| Pwsid: | GA1210001 | Facid: | 2816 |
| Facname: | CHATTAHOOCHEE PLANT | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | particulate removal |
| Trtprocess: | sedimentation | Factypecode: | TP |
| Pwsid: | GA1210001 | Facid: | 2816 |
| Facname: | CHATTAHOOCHEE PLANT | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | particulate removal |
| Trtprocess: | filtration, rapid sand | Factypecode: | TP |
| Pwsid: | GA1210001 | Facid: | 2816 |
| Facname: | CHATTAHOOCHEE PLANT | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | corrosion control |
| Trtprocess: | ph adjustment, post | Factypecode: | TP |
| Pwsid: | GA1210001 | Facid: | 2816 |
| Facname: | CHATTAHOOCHEE PLANT | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | disinfection |
| Trtprocess: | gaseous chlorination, post | | |
| Factypecode: | TP | | |
| PWS ID: | GA1210001 | PWS name: | ATLANTA |
| Address: | 2528 CHATTAHOOCHEE CIR., NW | City: | ATLANTA |
| Care of: | ATLANTA WATER DEPARTMENT | Zip: | 30318 |
| State: | GA | Source code: | Surface water |
| Owner: | ATLANTA | | |
| Population: | 649836 | | |
| PWS ID: | GA1210001 | PWS type: | Not Reported |
| PWS name: | Not Reported | PWS address: | Not Reported |
| PWS city: | Not Reported | PWS state: | Not Reported |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|------------------------|----------------------|---------------------------|-------------------------------|
| PWS zip: | Not Reported | PWS name: | ATLANTA |
| PWS type code: | C | Retail population served: | 650000 |
| Contact: | HEBERD, CHRISTOPHER | Contact address: | 651 14TH STREET |
| Contact address: | ATLANTA | Contact city: | GA |
| Contact state: | 30 | Contact zip: | 404-602-44 |
| Contact telephone: | Not Reported | | |
| County: | FULTON | Source: | Surface water |
| Treatment Objective: | CORROSION CONTROL | Process: | PH ADJUSTMENT, POST |
| Population: | 650000 | | |
| County: | FULTON | Source: | Surface water |
| Treatment Objective: | DISINFECTION | Process: | GASEOUS CHLORINATION, POST |
| Population: | 650000 | | |
| County: | FULTON | Source: | Surface water |
| Treatment Objective: | DISINFECTION | Process: | GASEOUS CHLORINATION, PRE |
| Population: | 650000 | | |
| County: | FULTON | Source: | Surface water |
| Treatment Objective: | PARTICULATE REMOVAL | Process: | COAGULATION |
| Population: | 650000 | | |
| County: | FULTON | Source: | Surface water |
| Treatment Objective: | PARTICULATE REMOVAL | Process: | FILTRATION, RAPID SAND |
| Population: | 650000 | | |
| County: | FULTON | Source: | Surface water |
| Treatment Objective: | PARTICULATE REMOVAL | Process: | FLOCCULATION |
| Population: | 650000 | | |
| County: | FULTON | Source: | Surface water |
| Treatment Objective: | PARTICULATE REMOVAL | Process: | RAPID MIX |
| Population: | 650000 | | |
| County: | FULTON | Source: | Surface water |
| Treatment Objective: | PARTICULATE REMOVAL | Process: | SEDIMENTATION |
| Population: | 650000 | | |
| County: | FULTON | Source: | Surface water |
| Treatment Objective: | PARTICULATE REMOVAL | Process: | PH ADJUSTMENT, PRE |
| Population: | 650000 | | |
| PWS ID: | GA1210001 | Activity status: | Active |
| Date system activated: | Not Reported | Date system deactivated: | Not Reported |
| Retail population: | 00649836 | System name: | ATLANTA |
| System address: | ATLANTA WATER BUREAU | System address: | 2541 CHATTAHOOCHEE CIRCLE, NW |
| System city: | ATLANTA | System state: | GA |
| System zip: | 30318 | | |
| Population served: | over 100,000 Persons | Treatment: | Treated |
| Latitude: | 334941 | Longitude: | 0842727 |
| State: | GA | Latitude degrees: | 33 |
| Latitude minutes: | 49 | Latitude seconds: | 41.0000 |
| Longitude degrees: | 84 | Longitude minutes: | 27 |
| Longitude seconds: | 27.0000 | | |
| Violation id: | 10097 | Orig code: | S |
| State: | GA | Violation Year: | 1997 |
| Contamination code: | 5000 | Contamination Name: | Lead and Copper Rule |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---------------------|---------------------------------------|---------------------|----------------------------------|
| Violation code: | 52 | Violation name: | Follow-up Or Routine LCR Tap M/R |
| Rule code: | 350 | Rule name: | LCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 07/01/1997 |
| Cmp edt: | Not Reported | | |
| | | | |
| Violation id: | 10502 | Orig code: | S |
| State: | GA | Violation Year: | 2002 |
| Contamination code: | 0300 | Contamination Name: | IESWTR |
| Violation code: | 38 | | |
| Violation name: | Monitoring, Turbidity (Enhanced SWTR) | | |
| Rule code: | 122 | Rule name: | LT1 ESWTR |
| Violation measur: | 0 | Unit of measure: | Not Reported |
| State mcl: | 0 | Cmp bdt: | 01/01/2002 |
| Cmp edt: | 01/31/2002 | | |
| | | | |
| Violation id: | 11303 | Orig code: | S |
| State: | GA | Violation Year: | 2000 |
| Contamination code: | 5000 | Contamination Name: | Lead and Copper Rule |
| Violation code: | 52 | Violation name: | Follow-up Or Routine LCR Tap M/R |
| Rule code: | 350 | Rule name: | LCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 10/01/2000 |
| Cmp edt: | Not Reported | | |
| | | | |
| Violation id: | 11406 | Orig code: | S |
| State: | GA | Violation Year: | 2005 |
| Contamination code: | 7000 | Contamination Name: | Consumer Confidence Rule |
| Violation code: | 71 | Violation name: | CCR Complete Failure to Report |
| Rule code: | 420 | Rule name: | CCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 07/01/2005 |
| Cmp edt: | Not Reported | | |
| | | | |
| Violation id: | 11607 | Orig code: | S |
| State: | GA | Violation Year: | 2006 |
| Contamination code: | 7000 | Contamination Name: | Consumer Confidence Rule |
| Violation code: | 71 | Violation name: | CCR Complete Failure to Report |
| Rule code: | 420 | Rule name: | CCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 07/01/2006 |
| Cmp edt: | Not Reported | | |
| | | | |
| Violation id: | 11909 | Orig code: | S |
| State: | GA | Violation Year: | 2008 |
| Contamination code: | 7000 | Contamination Name: | Consumer Confidence Rule |
| Violation code: | 71 | Violation name: | CCR Complete Failure to Report |
| Rule code: | 420 | Rule name: | CCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 07/01/2008 |
| Cmp edt: | Not Reported | | |
| | | | |
| Violation id: | 12511 | Orig code: | S |
| State: | GA | Violation Year: | 2010 |
| Contamination code: | 7000 | Contamination Name: | Consumer Confidence Rule |
| Violation code: | 71 | Violation name: | CCR Complete Failure to Report |
| Rule code: | 420 | Rule name: | CCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 07/01/2010 |
| Cmp edt: | Not Reported | | |
| | | | |
| Violation id: | 12616 | Orig code: | S |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-----------------------|------------------------------|-----------------------|--------------|
| State: | GA | Violation Year: | 2013 |
| Contamination code: | 2950 | Contamination Name: | TTHM |
| Violation code: | 02 | Violation name: | MCL, Average |
| Rule code: | 220 | Rule name: | St2 DBP |
| Violation measur: | 0.081 | Unit of measure: | MG/L |
| State mcl: | 0.08 | Cmp bdt: | 04/01/2013 |
| Cmp edt: | 06/30/2013 | | |
| Violation id: | 12617 | Orig code: | S |
| State: | GA | Violation Year: | 2014 |
| Contamination code: | 2950 | Contamination Name: | TTHM |
| Violation code: | 02 | Violation name: | MCL, Average |
| Rule code: | 220 | Rule name: | St2 DBP |
| Violation measur: | 0.082 | Unit of measure: | MG/L |
| State mcl: | 0.08 | Cmp bdt: | 01/01/2014 |
| Cmp edt: | 03/31/2014 | | |
| Violation ID: | 10502 | Orig Code: | S |
| Enforcemnt FY: | 2002 | Enforcement Action: | 02/28/2002 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 10502 | Orig Code: | S |
| Enforcemnt FY: | 2002 | Enforcement Action: | 07/09/2002 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| Violation ID: | 10502 | Orig Code: | S |
| Enforcemnt FY: | 2002 | Enforcement Action: | 02/28/2002 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 10502 | Orig Code: | S |
| Enforcemnt FY: | 2003 | Enforcement Action: | 05/06/2003 |
| Enforcement Detail: | St BCA signed | Enforcement Category: | Formal |
| Violation ID: | 10502 | Orig Code: | S |
| Enforcemnt FY: | 2002 | Enforcement Action: | 07/09/2002 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 11303 | Orig Code: | S |
| Enforcemnt FY: | 2001 | Enforcement Action: | 09/03/2001 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 11406 | Orig Code: | S |
| Enforcemnt FY: | 2006 | Enforcement Action: | 07/24/2006 |
| Enforcement Detail: | St Intentional no-action | Enforcement Category: | Resolving |
| Violation ID: | 11406 | Orig Code: | S |
| Enforcemnt FY: | 2006 | Enforcement Action: | 07/24/2006 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 11406 | Orig Code: | S |
| Enforcemnt FY: | 2006 | Enforcement Action: | 08/15/2006 |
| Enforcement Detail: | State CCR Follow-up Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 11607 | Orig Code: | S |
| Enforcemnt FY: | 2007 | Enforcement Action: | 07/12/2007 |
| Enforcement Detail: | St Intentional no-action | Enforcement Category: | Resolving |
| Violation ID: | 11607 | Orig Code: | S |
| Enforcemnt FY: | 2007 | Enforcement Action: | 07/09/2007 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|------------------------|------------------------------|-----------------------|------------------------------------|
| Violation ID: | 11909 | Orig Code: | S |
| Enforcement FY: | 2009 | Enforcement Action: | 07/07/2009 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 12511 | Orig Code: | S |
| Enforcement FY: | 2012 | Enforcement Action: | 10/05/2011 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 12616 | Orig Code: | S |
| Enforcement FY: | 2013 | Enforcement Action: | 05/23/2013 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 12616 | Orig Code: | S |
| Enforcement FY: | 2013 | Enforcement Action: | 05/23/2013 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| PWS name: | ATLANTA | Population served: | 650000 |
| PWS type code: | C | Violation ID: | 10502 |
| Contaminant: | 0300 | Violation type: | 38 |
| Compliance start date: | 1/1/2002 0:00:00 | Compliance end date: | 1/31/2002 0:00:00 |
| Enforcement date: | 2/28/2002 0:00:00 | Enforcement action: | State Violation/Reminder Notice |
| Violation measurement: | 0 | | |
| PWS name: | ATLANTA | Population served: | 650000 |
| PWS type code: | C | Violation ID: | 10502 |
| Contaminant: | 0300 | Violation type: | 38 |
| Compliance start date: | 1/1/2002 0:00:00 | Compliance end date: | 1/31/2002 0:00:00 |
| Enforcement date: | 2/28/2002 0:00:00 | Enforcement action: | State Public Notif Requested |
| Violation measurement: | 0 | | |
| PWS name: | ATLANTA | Population served: | 650000 |
| PWS type code: | C | Violation ID: | 10502 |
| Contaminant: | 0300 | Violation type: | 38 |
| Compliance start date: | 1/1/2002 0:00:00 | Compliance end date: | 1/31/2002 0:00:00 |
| Enforcement date: | 5/6/2003 0:00:00 | Enforcement action: | State BCA Signed |
| Violation measurement: | 0 | | |
| PWS name: | ATLANTA | Population served: | 650000 |
| PWS type code: | C | Violation ID: | 10502 |
| Contaminant: | 0300 | Violation type: | 38 |
| Compliance start date: | 1/1/2002 0:00:00 | Compliance end date: | 1/31/2002 0:00:00 |
| Enforcement date: | 7/9/2002 0:00:00 | Enforcement action: | State Public Notif Received |
| Violation measurement: | 0 | | |
| PWS name: | ATLANTA | Population served: | 650000 |
| PWS type code: | C | Violation ID: | 10502 |
| Contaminant: | 0300 | Violation type: | 38 |
| Compliance start date: | 1/1/2002 0:00:00 | Compliance end date: | 1/31/2002 0:00:00 |
| Enforcement date: | 7/9/2002 0:00:00 | Enforcement action: | State Compliance Achieved |
| Violation measurement: | 0 | | |
| PWS name: | ATLANTA | Population served: | 650000 |
| PWS type code: | C | Violation ID: | 11303 |
| Contaminant: | LEAD & COPPER RULE | Violation type: | Follow-up and Routine Tap Sampling |
| Compliance start date: | 10/1/2000 0:00:00 | Compliance end date: | 9/3/2001 0:00:00 |
| Enforcement date: | 9/3/2001 0:00:00 | Enforcement action: | State Compliance Achieved |
| Violation measurement: | Not Reported | | |
| PWS name: | ATLANTA | Population served: | 650000 |
| PWS type code: | C | Violation ID: | 11406 |
| Contaminant: | 7000 | Violation type: | 71 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|------------------------|-------------------|----------------------|-----------------------------|
| Compliance start date: | 7/1/2006 0:00:00 | Compliance end date: | 7/24/2006 0:00:00 |
| Enforcement date: | 7/24/2006 0:00:00 | Enforcement action: | State Intentional no-action |
| Violation measurement: | Not Reported | | |
| | | | |
| PWS name: | ATLANTA | Population served: | 650000 |
| PWS type code: | C | Violation ID: | 11406 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2006 0:00:00 | Compliance end date: | 7/24/2006 0:00:00 |
| Enforcement date: | 7/24/2006 0:00:00 | Enforcement action: | State Compliance Achieved |
| Violation measurement: | Not Reported | | |
| | | | |
| PWS name: | ATLANTA | Population served: | 650000 |
| PWS type code: | C | Violation ID: | 11406 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2006 0:00:00 | Compliance end date: | 7/24/2006 0:00:00 |
| Enforcement date: | 8/15/2006 0:00:00 | Enforcement action: | SII |
| Violation measurement: | Not Reported | | |
| | | | |
| PWS name: | ATLANTA | Population served: | 650000 |
| PWS type code: | C | Violation ID: | 11607 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2007 0:00:00 | Compliance end date: | 7/9/2007 0:00:00 |
| Enforcement date: | 7/12/2007 0:00:00 | Enforcement action: | State Intentional no-action |
| Violation measurement: | Not Reported | | |
| | | | |
| PWS name: | ATLANTA | Population served: | 650000 |
| PWS type code: | C | Violation ID: | 11607 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2007 0:00:00 | Compliance end date: | 7/9/2007 0:00:00 |
| Enforcement date: | 7/9/2007 0:00:00 | Enforcement action: | State Compliance Achieved |
| Violation measurement: | Not Reported | | |

**C13
North
1 - 2 Miles
Higher**

FRDS PWS GA1210038

| | | | |
|------------------|--|-------------------|----------------------------|
| Epa region: | 04 | State: | GA |
| Pwsid: | GA1210038 | | |
| Pwsname: | ATLANTA-FULTON CO WATER RES COMMISSION | | |
| Cityserved: | Not Reported | Stateserved: | GA |
| Zipserved: | Not Reported | Fipscounty: | 13121 |
| Status: | Active | Retpopsrvd: | 0 |
| Pwssvconn: | 2 | Psource longname: | Surface_water |
| Pwstype: | CWS | Owner: | Local_Govt |
| Contact: | CREWS, KATHY | Contactorgname: | CREWS, KATHY |
| Contactphone: | 678-942-2791 | Contactaddress1: | 9750 SPRUILL RD. |
| Contactaddress2: | Not Reported | Contactcity: | ALPHARETTA |
| Contactstate: | GA | Contactzip: | 30022 |
| Pwsactivitycode: | A | | |
| | | | |
| Pwsid: | GA1210038 | Facid: | 1034 |
| Facname: | ATLANTA-FULTON CO WATER PLANT | | |
| Factype: | Treatment_plant | Facactivitycode: | A |
| Trtobjective: | disinfection | Trtprocess: | gaseous chlorination, post |
| Factypecode: | TP | | |
| | | | |
| Pwsid: | GA1210038 | Facid: | 1034 |
| Facname: | ATLANTA-FULTON CO WATER PLANT | | |
| Factype: | Treatment_plant | Facactivitycode: | A |
| Trtobjective: | corrosion control | Trtprocess: | ph adjustment, post |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|------------------------|-------------------------------|--------------------------|-------------------------------|
| Factypecode: | TP | | |
| Pwsid: | GA1210038 | Facid: | 1034 |
| Facname: | ATLANTA-FULTON CO WATER PLANT | | |
| Factype: | Treatment_plant | Facactivitycode: | A |
| Trtobjective: | particulate removal | Trtprocess: | filtration, rapid sand |
| Factypecode: | TP | | |
| Pwsid: | GA1210038 | Facid: | 1034 |
| Facname: | ATLANTA-FULTON CO WATER PLANT | | |
| Factype: | Treatment_plant | Facactivitycode: | A |
| Trtobjective: | disinfection | Trtprocess: | gaseous chlorination, pre |
| Factypecode: | TP | | |
| Pwsid: | GA1210038 | Facid: | 1034 |
| Facname: | ATLANTA-FULTON CO WATER PLANT | | |
| Factype: | Treatment_plant | Facactivitycode: | A |
| Trtobjective: | particulate removal | Trtprocess: | ph adjustment, pre |
| Factypecode: | TP | | |
| Pwsid: | GA1210038 | Facid: | 1034 |
| Facname: | ATLANTA-FULTON CO WATER PLANT | | |
| Factype: | Treatment_plant | Facactivitycode: | A |
| Trtobjective: | particulate removal | Trtprocess: | rapid mix |
| Factypecode: | TP | | |
| Pwsid: | GA1210038 | Facid: | 1034 |
| Facname: | ATLANTA-FULTON CO WATER PLANT | | |
| Factype: | Treatment_plant | Facactivitycode: | A |
| Trtobjective: | particulate removal | Trtprocess: | coagulation |
| Factypecode: | TP | | |
| Pwsid: | GA1210038 | Facid: | 1034 |
| Facname: | ATLANTA-FULTON CO WATER PLANT | | |
| Factype: | Treatment_plant | Facactivitycode: | A |
| Trtobjective: | particulate removal | Trtprocess: | flocculation |
| Factypecode: | TP | | |
| Pwsid: | GA1210038 | Facid: | 1034 |
| Facname: | ATLANTA-FULTON CO WATER PLANT | | |
| Factype: | Treatment_plant | Facactivitycode: | A |
| Trtobjective: | particulate removal | Trtprocess: | sedimentation |
| Factypecode: | TP | | |
| PWS ID: | GA1210038 | PWS name: | ATLANTA-FULTON WATER RES COMM |
| Address: | 9750 SPRUILL ROAD | Care of: | FULTON CO. WATER RESOURCES CM |
| City: | ALPHARETTA | State: | GA |
| Zip: | 30022 | Owner: | ATLANTA-FULTON WATER RES COMM |
| Source code: | Surface water | Population: | 25 |
| PWS ID: | GA1210038 | PWS type: | Not Reported |
| PWS name: | Not Reported | PWS address: | Not Reported |
| PWS city: | Not Reported | PWS state: | Not Reported |
| PWS zip: | Not Reported | County: | FULTON |
| Source: | Surface water | Treatment Objective: | DISINFECTION |
| Process: | GASEOUS CHLORINATION, POST | | |
| Population: | 0 | | |
| PWS ID: | GA1210038 | Activity status: | Active |
| Date system activated: | Not Reported | Date system deactivated: | Not Reported |
| Retail population: | 00000025 | System name: | ATLANTA-FULTON WATER RES COMM |
| System address: | ATLANTA-FULTON WATER RES COMM | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|--------------------|-------------------|--------------------|------------|
| System address: | 9750 SPRUILL ROAD | System city: | ALPHARETTA |
| System state: | GA | System zip: | 30201 |
| Population served: | Under 101 Persons | Treatment: | Treated |
| Latitude: | 340431 | Longitude: | 0841739 |
| Latitude: | 335031 | Longitude: | 0842844 |
| State: | GA | Latitude degrees: | 33 |
| Latitude minutes: | 50 | Latitude seconds: | 31.0000 |
| Longitude degrees: | 84 | Longitude minutes: | 28 |
| Longitude seconds: | 44.0000 | | |

**C14
North
1 - 2 Miles
Higher**

FRDS PWS GA1210000

| | | | |
|------------------|---------------|-------------------|---------------------|
| Epa region: | 04 | State: | GA |
| Pwsid: | GA1210000 | Pwsname: | ALPHARETTA |
| Cityserved: | Not Reported | Stateserved: | GA |
| Zipserved: | Not Reported | Fipscounty: | 13121 |
| Status: | Closed | Retpopsrvd: | 11700 |
| Pwssvconn: | 3392 | Psource longname: | Purch_surface_water |
| Pwstype: | CWS | Owner: | Local_Govt |
| Contact: | CHATHAM, EARL | Contactorgname: | Not Reported |
| Contactphone: | 678-297-6200 | Contactaddress1: | 1790 HEMBREE ROAD |
| Contactaddress2: | Not Reported | Contactcity: | ALPHARETTA |
| Contactstate: | GA | Contactzip: | 30004 |
| Pwsactivitycode: | I | | |

| | | | |
|--------------|-------------------------|-------------|--------------------|
| PWS ID: | GA1210000 | PWS name: | ALPHARETTA |
| Address: | 1790 HEMBREE ROAD | Care of: | CITY OF ALPHARETTA |
| City: | ALPHARETTA | State: | GA |
| Zip: | 30004 | Owner: | ALPHARETTA |
| Source code: | Purchases surface water | Population: | 8060 |

| | | | |
|--------------------------|-----------------------|------------------------|--------------------|
| PWS ID: | GA1210000 | PWS type: | Not Reported |
| PWS name: | Not Reported | PWS address: | Not Reported |
| PWS city: | Not Reported | PWS state: | Not Reported |
| PWS zip: | Not Reported | PWS ID: | GA1210000 |
| Activity status: | Active | Date system activated: | Not Reported |
| Date system deactivated: | Not Reported | Retail population: | 00006539 |
| System name: | ALPHARETTA | System address: | CITY OF ALPHARETTA |
| System address: | TWO SOUTH MAIN STREET | System city: | ALPHARETTA |
| System state: | GA | System zip: | 30201 |

| | | | |
|--------------------|------------------------|------------|---------|
| Population served: | 5,001 - 10,000 Persons | Treatment: | Treated |
|--------------------|------------------------|------------|---------|

| | | | |
|-----------|--------|------------|---------|
| Latitude: | 335031 | Longitude: | 0842844 |
|-----------|--------|------------|---------|

| | | | |
|---------------------|--------------|---------------------|----------------------------------|
| Violation id: | 10098 | Orig code: | S |
| State: | GA | Violation Year: | 1995 |
| Contamination code: | 5000 | Contamination Name: | Lead and Copper Rule |
| Violation code: | 52 | Violation name: | Follow-up Or Routine LCR Tap M/R |
| Rule code: | 350 | Rule name: | LCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 10/01/1995 |
| Cmp edt: | Not Reported | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-----------------------|------------------------------|-----------------------|----------------------------------|
| Violation id: | 20303 | Orig code: | S |
| State: | GA | Violation Year: | 2003 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 24 | Violation name: | Monitoring, Routine Minor (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 04/01/2003 |
| Cmp edt: | 04/30/2003 | | |
| | | | |
| Violation id: | 20404 | Orig code: | S |
| State: | GA | Violation Year: | 1998 |
| Contamination code: | 5000 | Contamination Name: | Lead and Copper Rule |
| Violation code: | 52 | Violation name: | Follow-up Or Routine LCR Tap M/R |
| Rule code: | 350 | Rule name: | LCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 10/01/1998 |
| Cmp edt: | Not Reported | | |
| | | | |
| Violation id: | 20505 | Orig code: | S |
| State: | GA | Violation Year: | 2004 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 23 | Violation name: | Monitoring, Routine Major (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 10/01/2004 |
| Cmp edt: | 10/31/2004 | | |
| | | | |
| Violation id: | 20605 | Orig code: | S |
| State: | GA | Violation Year: | 2004 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 23 | Violation name: | Monitoring, Routine Major (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 11/01/2004 |
| Cmp edt: | 11/30/2004 | | |
| | | | |
| Violation id: | 20705 | Orig code: | S |
| State: | GA | Violation Year: | 2004 |
| Contamination code: | 5000 | Contamination Name: | Lead and Copper Rule |
| Violation code: | 52 | Violation name: | Follow-up Or Routine LCR Tap M/R |
| Rule code: | 350 | Rule name: | LCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 10/01/2004 |
| Cmp edt: | Not Reported | | |
| | | | |
| Violation id: | 20805 | Orig code: | S |
| State: | GA | Violation Year: | 2005 |
| Contamination code: | 7000 | Contamination Name: | Consumer Confidence Rule |
| Violation code: | 71 | Violation name: | CCR Complete Failure to Report |
| Rule code: | 420 | Rule name: | CCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 07/01/2005 |
| Cmp edt: | Not Reported | | |
| | | | |
| Violation ID: | 20303 | Orig Code: | S |
| Enforcemnt FY: | 2003 | Enforcement Action: | 05/29/2003 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| | | | |
| Violation ID: | 20303 | Orig Code: | S |
| Enforcemnt FY: | 2003 | Enforcement Action: | 05/29/2003 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-----------------------|------------------------------|-----------------------|------------|
| Violation ID: | 20404 | Orig Code: | S |
| Enforcemnt FY: | 2002 | Enforcement Action: | 09/25/2002 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 20404 | Orig Code: | S |
| Enforcemnt FY: | 2004 | Enforcement Action: | 06/28/2004 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| Violation ID: | 20404 | Orig Code: | S |
| Enforcemnt FY: | 2002 | Enforcement Action: | 02/03/2002 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 20505 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 12/03/2004 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 20505 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 01/25/2005 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| Violation ID: | 20505 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 12/03/2004 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 20605 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 12/07/2004 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 20605 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 12/07/2004 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 20605 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 01/25/2005 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| Violation ID: | 20705 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 01/27/2005 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 20705 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 01/27/2005 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 20705 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 05/26/2005 |
| Enforcement Detail: | St Other | Enforcement Category: | Informal |
| Violation ID: | 20705 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 05/05/2005 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| Violation ID: | 20805 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 08/24/2005 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 20805 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 07/01/2005 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Enforcement Detail:

St Intentional no-action

Enforcement Category:

Resolving

**C15
North
1 - 2 Miles
Higher**

FRDS PWS GA1210006

Epa region: 04
 Pwsid: GA1210006
 Cityserved: Not Reported
 Zipserved: Not Reported
 Status: Active
 Pwssvconn: 2071
 Pwstype: CWS
 Contact: MARTIN, C C
 Contactphone: 404-669-2100
 Contactaddress2: Not Reported
 Contactstate: GA
 Pwsactivitycode: A

State: GA
 Pwsname: HAPEVILLE
 Stateserved: GA
 Fipscounty: 13121
 Retpopsrvd: 5385
 Psource longname: Purch_surface_water
 Owner: Local_Govt
 Contactorgname: MARTIN, C C
 Contactaddress1: POB 82311
 Contactcity: HAPEVILLE
 Contactzip: 30354-2311

PWS ID: GA1210006
 Address: 3560 PERKINS STREET
 City: HAPEVILLE
 Zip: 30354
 Source code: Purchases surface water

PWS name: HAPEVILLE
 Care of: CITY OF HAPEVILLE
 State: GA
 Owner: HAPEVILLE
 Population: 5385

PWS ID: GA1210006
 PWS name: Not Reported
 PWS city: Not Reported
 PWS zip: Not Reported
 PWS type code: C
 Contact: MARTIN, C C
 Contact address: HAPEVILLE
 Contact state: 30
 Contact telephone: Not Reported

PWS type: Not Reported
 PWS address: Not Reported
 PWS state: Not Reported
 PWS name: HAPEVILLE
 Retail population served: 5385
 Contact address: POB 82311
 Contact city: GA
 Contact zip: 404-669-21

PWS ID: GA1210006
 Date system activated: Not Reported
 Retail population: 00005483
 System address: CITY OF HAPEVILLE
 System city: HAPEVILLE
 System zip: 303542311

Activity status: Active
 Date system deactivated: Not Reported
 System name: HAPEVILLE
 System address: POB 82311
 System state: GA

Population served: 5,001 - 10,000 Persons

Treatment: Treated

Latitude: 335031

Longitude: 0842844

Violation id: 10101
 State: GA
 Contamination code: 7000
 Violation code: 71
 Rule code: 420
 Violation measur: Not Reported
 State mcl: Not Reported
 Cmp edt: Not Reported

Orig code: S
 Violation Year: 2000
 Contamination Name: Consumer Confidence Rule
 Violation name: CCR Complete Failure to Report
 Rule name: CCR
 Unit of measure: Not Reported
 Cmp bdt: 07/01/2000

Violation id: 10402
 State: GA
 Contamination code: 7000
 Violation code: 71
 Rule code: 420

Orig code: S
 Violation Year: 2001
 Contamination Name: Consumer Confidence Rule
 Violation name: CCR Complete Failure to Report
 Rule name: CCR

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---------------------|--------------|---------------------|--------------------------------|
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 07/01/2001 |
| Cmp edt: | Not Reported | | |
| Violation id: | 10603 | Orig code: | S |
| State: | GA | Violation Year: | 2002 |
| Contamination code: | 7000 | Contamination Name: | Consumer Confidence Rule |
| Violation code: | 71 | Violation name: | CCR Complete Failure to Report |
| Rule code: | 420 | Rule name: | CCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 07/01/2002 |
| Cmp edt: | Not Reported | | |
| Violation id: | 10704 | Orig code: | S |
| State: | GA | Violation Year: | 2003 |
| Contamination code: | 7000 | Contamination Name: | Consumer Confidence Rule |
| Violation code: | 71 | Violation name: | CCR Complete Failure to Report |
| Rule code: | 420 | Rule name: | CCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 07/01/2003 |
| Cmp edt: | Not Reported | | |
| Violation id: | 10805 | Orig code: | S |
| State: | GA | Violation Year: | 2004 |
| Contamination code: | 7000 | Contamination Name: | Consumer Confidence Rule |
| Violation code: | 71 | Violation name: | CCR Complete Failure to Report |
| Rule code: | 420 | Rule name: | CCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 07/01/2004 |
| Cmp edt: | Not Reported | | |
| Violation id: | 10907 | Orig code: | S |
| State: | GA | Violation Year: | 2006 |
| Contamination code: | 7000 | Contamination Name: | Consumer Confidence Rule |
| Violation code: | 71 | Violation name: | CCR Complete Failure to Report |
| Rule code: | 420 | Rule name: | CCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 07/01/2006 |
| Cmp edt: | Not Reported | | |
| Violation id: | 11008 | Orig code: | S |
| State: | GA | Violation Year: | 2007 |
| Contamination code: | 7000 | Contamination Name: | Consumer Confidence Rule |
| Violation code: | 71 | Violation name: | CCR Complete Failure to Report |
| Rule code: | 420 | Rule name: | CCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 07/01/2007 |
| Cmp edt: | Not Reported | | |
| Violation id: | 11209 | Orig code: | S |
| State: | GA | Violation Year: | 2009 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 22 | Violation name: | MCL, Monthly (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 05/31/2009 |
| Cmp edt: | Not Reported | | |
| Violation id: | 11612 | Orig code: | S |
| State: | GA | Violation Year: | 2011 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 22 | Violation name: | MCL, Monthly (TCR) |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-----------------------|------------------------------|-----------------------|--------------------------------|
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 11/01/2011 |
| Cmp edt: | 11/30/2011 | | |
| Violation id: | 11613 | Orig code: | S |
| State: | GA | Violation Year: | 2012 |
| Contamination code: | 7000 | Contamination Name: | Consumer Confidence Rule |
| Violation code: | 71 | Violation name: | CCR Complete Failure to Report |
| Rule code: | 420 | Rule name: | CCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 07/01/2012 |
| Cmp edt: | Not Reported | | |
| Violation ID: | 10101 | Orig Code: | S |
| Enforcemnt FY: | 2001 | Enforcement Action: | 07/02/2001 |
| Enforcement Detail: | St Intentional no-action | Enforcement Category: | Resolving |
| Violation ID: | 10101 | Orig Code: | S |
| Enforcemnt FY: | 2001 | Enforcement Action: | 08/31/2001 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 10402 | Orig Code: | S |
| Enforcemnt FY: | 2002 | Enforcement Action: | 07/18/2002 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 10402 | Orig Code: | S |
| Enforcemnt FY: | 2002 | Enforcement Action: | 07/02/2002 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 10603 | Orig Code: | S |
| Enforcemnt FY: | 2003 | Enforcement Action: | 08/11/2003 |
| Enforcement Detail: | State CCR Follow-up Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 10603 | Orig Code: | S |
| Enforcemnt FY: | 2003 | Enforcement Action: | 08/18/2003 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 10704 | Orig Code: | S |
| Enforcemnt FY: | 2004 | Enforcement Action: | 07/07/2004 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 10704 | Orig Code: | S |
| Enforcemnt FY: | 2004 | Enforcement Action: | 07/01/2004 |
| Enforcement Detail: | St Intentional no-action | Enforcement Category: | Resolving |
| Violation ID: | 10805 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 08/01/2005 |
| Enforcement Detail: | State CCR Follow-up Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 10805 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 07/01/2005 |
| Enforcement Detail: | St Intentional no-action | Enforcement Category: | Resolving |
| Violation ID: | 10805 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 08/09/2005 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 10907 | Orig Code: | S |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|------------------------|------------------------------|-----------------------|-----------------------------|
| Enforcemnt FY: | 2007 | Enforcement Action: | 09/11/2007 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 10907 | Orig Code: | S |
| Enforcemnt FY: | 2007 | Enforcement Action: | 09/01/2007 |
| Enforcement Detail: | State CCR Follow-up Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 11008 | Orig Code: | S |
| Enforcemnt FY: | 2008 | Enforcement Action: | 07/22/2008 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 11008 | Orig Code: | S |
| Enforcemnt FY: | 2008 | Enforcement Action: | 08/12/2008 |
| Enforcement Detail: | State CCR Follow-up Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 11209 | Orig Code: | S |
| Enforcemnt FY: | 2009 | Enforcement Action: | 06/03/2009 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 11209 | Orig Code: | S |
| Enforcemnt FY: | 2009 | Enforcement Action: | 07/02/2009 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| Violation ID: | 11209 | Orig Code: | S |
| Enforcemnt FY: | 2009 | Enforcement Action: | 06/03/2009 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 11612 | Orig Code: | S |
| Enforcemnt FY: | 2012 | Enforcement Action: | 01/30/2012 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 11612 | Orig Code: | S |
| Enforcemnt FY: | 2012 | Enforcement Action: | 01/30/2012 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 11612 | Orig Code: | S |
| Enforcemnt FY: | 2012 | Enforcement Action: | 02/08/2012 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| Violation ID: | 11613 | Orig Code: | S |
| Enforcemnt FY: | 2012 | Enforcement Action: | 07/11/2012 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| PWS name: | HAPEVILLE | Population served: | 5385 |
| PWS type code: | C | Violation ID: | 10101 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2001 0:00:00 | Compliance end date: | 8/31/2001 0:00:00 |
| Enforcement date: | 7/2/2001 0:00:00 | Enforcement action: | State Intentional no-action |
| Violation measurement: | Not Reported | | |
| PWS name: | HAPEVILLE | Population served: | 5385 |
| PWS type code: | C | Violation ID: | 10101 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2001 0:00:00 | Compliance end date: | 8/31/2001 0:00:00 |
| Enforcement date: | 8/31/2001 0:00:00 | Enforcement action: | State Compliance Achieved |
| Violation measurement: | Not Reported | | |
| PWS name: | HAPEVILLE | Population served: | 5385 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|------------------------|-------------------|----------------------|---------------------------------|
| PWS type code: | C | Violation ID: | 10402 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2002 0:00:00 | Compliance end date: | 7/18/2002 0:00:00 |
| Enforcement date: | 7/18/2002 0:00:00 | Enforcement action: | State Compliance Achieved |
| Violation measurement: | Not Reported | | |
| | | | |
| PWS name: | HAPEVILLE | Population served: | 5385 |
| PWS type code: | C | Violation ID: | 10402 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2002 0:00:00 | Compliance end date: | 7/18/2002 0:00:00 |
| Enforcement date: | 7/2/2002 0:00:00 | Enforcement action: | State Violation/Reminder Notice |
| Violation measurement: | Not Reported | | |
| | | | |
| PWS name: | HAPEVILLE | Population served: | 5385 |
| PWS type code: | C | Violation ID: | 10603 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2003 0:00:00 | Compliance end date: | 8/18/2003 0:00:00 |
| Enforcement date: | 8/11/2003 0:00:00 | Enforcement action: | SII |
| Violation measurement: | Not Reported | | |
| | | | |
| PWS name: | HAPEVILLE | Population served: | 5385 |
| PWS type code: | C | Violation ID: | 10603 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2003 0:00:00 | Compliance end date: | 8/18/2003 0:00:00 |
| Enforcement date: | 8/18/2003 0:00:00 | Enforcement action: | State Compliance Achieved |
| Violation measurement: | Not Reported | | |
| | | | |
| PWS name: | HAPEVILLE | Population served: | 5385 |
| PWS type code: | C | Violation ID: | 10704 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2004 0:00:00 | Compliance end date: | 7/7/2004 0:00:00 |
| Enforcement date: | 7/1/2004 0:00:00 | Enforcement action: | State Intentional no-action |
| Violation measurement: | Not Reported | | |
| | | | |
| PWS name: | HAPEVILLE | Population served: | 5385 |
| PWS type code: | C | Violation ID: | 10704 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2004 0:00:00 | Compliance end date: | 7/7/2004 0:00:00 |
| Enforcement date: | 7/7/2004 0:00:00 | Enforcement action: | State Compliance Achieved |
| Violation measurement: | Not Reported | | |
| | | | |
| PWS name: | HAPEVILLE | Population served: | 5385 |
| PWS type code: | C | Violation ID: | 10805 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2005 0:00:00 | Compliance end date: | 8/9/2005 0:00:00 |
| Enforcement date: | 7/1/2005 0:00:00 | Enforcement action: | State Intentional no-action |
| Violation measurement: | Not Reported | | |
| | | | |
| PWS name: | HAPEVILLE | Population served: | 5385 |
| PWS type code: | C | Violation ID: | 10805 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2005 0:00:00 | Compliance end date: | 8/9/2005 0:00:00 |
| Enforcement date: | 8/1/2005 0:00:00 | Enforcement action: | SII |
| Violation measurement: | Not Reported | | |
| | | | |
| PWS name: | HAPEVILLE | Population served: | 5385 |
| PWS type code: | C | Violation ID: | 10805 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2005 0:00:00 | Compliance end date: | 8/9/2005 0:00:00 |
| Enforcement date: | 8/9/2005 0:00:00 | Enforcement action: | State Compliance Achieved |
| Violation measurement: | Not Reported | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|------------------------|-------------------|----------------------|---------------------------|
| PWS name: | HAPEVILLE | Population served: | 5385 |
| PWS type code: | C | Violation ID: | 10907 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2007 0:00:00 | Compliance end date: | 9/11/2007 0:00:00 |
| Enforcement date: | 9/11/2007 0:00:00 | Enforcement action: | SII |
| Violation measurement: | Not Reported | | |
| | | | |
| PWS name: | HAPEVILLE | Population served: | 5385 |
| PWS type code: | C | Violation ID: | 10907 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2007 0:00:00 | Compliance end date: | 9/11/2007 0:00:00 |
| Enforcement date: | 9/11/2007 0:00:00 | Enforcement action: | State Compliance Achieved |
| Violation measurement: | Not Reported | | |
| | | | |
| PWS name: | HAPEVILLE | Population served: | 5385 |
| PWS type code: | C | Violation ID: | 11008 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2008 0:00:00 | Compliance end date: | 7/22/2008 0:00:00 |
| Enforcement date: | 7/22/2008 0:00:00 | Enforcement action: | State Compliance Achieved |
| Violation measurement: | Not Reported | | |
| | | | |
| PWS name: | HAPEVILLE | Population served: | 5385 |
| PWS type code: | C | Violation ID: | 11008 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2008 0:00:00 | Compliance end date: | 7/22/2008 0:00:00 |
| Enforcement date: | 8/12/2008 0:00:00 | Enforcement action: | SII |
| Violation measurement: | Not Reported | | |

**C16
North
1 - 2 Miles
Higher**

FRDS PWS GA1210037

| | | | |
|--------------------------|------------------------|------------------------|------------------------------|
| Epa region: | 04 | State: | GA |
| Pwsid: | GA1210037 | Pwsname: | PROVIDENCE PARK |
| Cityserved: | Not Reported | Stateserved: | GA |
| Zipsserved: | Not Reported | Fipscounty: | 13121 |
| Status: | Closed | Retpopsrvd: | 400 |
| Pwssvconn: | 1 | Psource longname: | Groundwater |
| Pwstype: | TNCWS | Owner: | Local_Govt |
| Contact: | CULBRETH, JOHN | Contactorgname: | CULBRETH, JOHN |
| Contactphone: | 404-730-6200 | Contactaddress1: | 141 PRIOR ST., SW SUITE 8054 |
| Contactaddress2: | Not Reported | Contactcity: | ATLANTA |
| Contactstate: | GA | Contactzip: | 30303 |
| Pwsactivitycode: | I | | |
| | | | |
| Pwsid: | GA1210037 | Facid: | 1033 |
| Facname: | WELL #1 PLANT | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | disinfection |
| Trtprocess: | hypochlorination, post | Factypecode: | TP |
| | | | |
| PWS ID: | GA1210037 | PWS type: | Not Reported |
| PWS name: | Not Reported | PWS address: | Not Reported |
| PWS city: | Not Reported | PWS state: | Not Reported |
| PWS zip: | Not Reported | PWS ID: | GA1210037 |
| Activity status: | Active | Date system activated: | Not Reported |
| Date system deactivated: | Not Reported | Retail population: | 00000400 |
| System name: | PROVIDENCE PARK | System address: | PROVIDENCE PARK |
| System address: | 13440 PROVIDENCE ROAD | System city: | ALPHARETTA |
| System state: | GA | System zip: | 30201 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-----------------------|------------------------------|-----------------------|---------------------------------|
| Population served: | 101 - 500 Persons | Treatment: | Treated |
| Latitude: | 334456 | Longitude: | 0842317 |
| Latitude: | 335031 | Longitude: | 0842844 |
| Violation id: | 20203 | Orig code: | S |
| State: | GA | Violation Year: | 2003 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 23 | Violation name: | Monitoring, Routine Major (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 01/01/2003 |
| Cmp edt: | 03/31/2003 | | |
| Violation id: | 20306 | Orig code: | S |
| State: | GA | Violation Year: | 2005 |
| Contamination code: | 1040 | Contamination Name: | Nitrate |
| Violation code: | 03 | Violation name: | Monitoring, Regular |
| Rule code: | 331 | Rule name: | Nitrates |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 01/01/2005 |
| Cmp edt: | 12/31/2005 | | |
| Violation id: | 20407 | Orig code: | S |
| State: | GA | Violation Year: | 2006 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 23 | Violation name: | Monitoring, Routine Major (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 10/01/2006 |
| Cmp edt: | 12/31/2006 | | |
| Violation ID: | 20203 | Orig Code: | S |
| Enforcemnt FY: | 2003 | Enforcement Action: | 04/16/2003 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 20203 | Orig Code: | S |
| Enforcemnt FY: | 2003 | Enforcement Action: | 04/16/2003 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 20306 | Orig Code: | S |
| Enforcemnt FY: | 2006 | Enforcement Action: | 02/21/2006 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 20306 | Orig Code: | S |
| Enforcemnt FY: | 2006 | Enforcement Action: | 02/21/2006 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 20306 | Orig Code: | S |
| Enforcemnt FY: | 2006 | Enforcement Action: | 08/15/2006 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 20306 | Orig Code: | S |
| Enforcemnt FY: | 2006 | Enforcement Action: | 06/08/2006 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| Violation ID: | 20407 | Orig Code: | S |
| Enforcemnt FY: | 2007 | Enforcement Action: | 01/19/2007 |
| Enforcement Detail: | St Violation/Reminder Notice | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-----------------------|---------------------------|-----------------------|------------|
| Enforcement Category: | Informal | | |
| Violation ID: | 20407 | Orig Code: | S |
| Enforcemnt FY: | 2007 | Enforcement Action: | 01/19/2007 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |

**C17
North
1 - 2 Miles
Higher**

FRDS PWS GA1210002

| | | | |
|------------------------|-------------------------|---------------------------|--------------------------------|
| Epa region: | 04 | State: | GA |
| Pwsid: | GA1210002 | Pwsname: | COLLEGE PARK |
| Cityserved: | Not Reported | Stateserved: | GA |
| Zipserved: | Not Reported | Fipscounty: | 13121 |
| Status: | Active | Retpopsrvd: | 20382 |
| Pwssvconn: | 2620 | Psource longname: | Purch_surface_water |
| Pwstype: | CWS | Owner: | Local_Govt |
| Contact: | LEE, PHIL | Contactorgname: | LEE, PHIL |
| Contactphone: | 404-669-3757 | Contactaddress1: | 1886 W HARVARD AVE. |
| Contactaddress2: | Not Reported | Contactcity: | COLLEGE PARK |
| Contactstate: | GA | Contactzip: | 30337 |
| Pwsactivitycode: | A | | |
| | | | |
| PWS ID: | GA1210002 | PWS name: | COLLEGE PARK |
| Address: | 1886 WEST HARVARD AVE. | Care of: | CITY OF COLLEGE PARK |
| City: | COLLEGE PARK | State: | GA |
| Zip: | 30337 | Owner: | COLLEGE PARK |
| Source code: | Purchases surface water | Population: | 20645 |
| | | | |
| PWS ID: | GA1210002 | PWS type: | Not Reported |
| PWS name: | Not Reported | PWS address: | Not Reported |
| PWS city: | Not Reported | PWS state: | Not Reported |
| PWS zip: | Not Reported | PWS name: | COLLEGE PARK |
| PWS type code: | C | Retail population served: | 20382 |
| Contact: | HOWARD, JR., JESSIE | Contact address: | POB 87137 |
| Contact address: | COLLEGE PARK | Contact city: | GA |
| Contact state: | 30 | Contact zip: | 404-669-37 |
| Contact telephone: | Not Reported | | |
| | | | |
| PWS ID: | GA1210002 | Activity status: | Active |
| Date system activated: | Not Reported | Date system deactivated: | Not Reported |
| Retail population: | 00020457 | System name: | COLLEGE PARK |
| System address: | CITY OF COLLEGE PARK | System address: | 1886 WEST HARVARD AVE. |
| System city: | COLLEGE PARK | System state: | GA |
| System zip: | 30337 | | |
| | | | |
| Population served: | 10,001 - 50,000 Persons | Treatment: | Treated |
| | | | |
| Latitude: | 335031 | Longitude: | 0842844 |
| | | | |
| Violation id: | 10301 | Orig code: | S |
| State: | GA | Violation Year: | 2001 |
| Contamination code: | 7000 | Contamination Name: | Consumer Confidence Rule |
| Violation code: | 71 | Violation name: | CCR Complete Failure to Report |
| Rule code: | 420 | Rule name: | CCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 07/01/2001 |
| Cmp edt: | Not Reported | | |
| | | | |
| Violation id: | 11407 | Orig code: | S |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|------------------------|------------------------------|-----------------------|------------------------------------|
| State: | GA | Violation Year: | 2006 |
| Contamination code: | 5000 | Contamination Name: | Lead and Copper Rule |
| Violation code: | 52 | Violation name: | Follow-up Or Routine LCR Tap M/R |
| Rule code: | 350 | Rule name: | LCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 10/01/2006 |
| Cmp edt: | Not Reported | | |
| Violation ID: | 10301 | Orig Code: | S |
| Enforcemnt FY: | 2001 | Enforcement Action: | 07/02/2001 |
| Enforcement Detail: | St Intentional no-action | Enforcement Category: | Resolving |
| Violation ID: | 10301 | Orig Code: | S |
| Enforcemnt FY: | 2001 | Enforcement Action: | 08/10/2001 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 11407 | Orig Code: | S |
| Enforcemnt FY: | 2007 | Enforcement Action: | 03/02/2007 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 11407 | Orig Code: | S |
| Enforcemnt FY: | 2010 | Enforcement Action: | 09/14/2010 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 11407 | Orig Code: | S |
| Enforcemnt FY: | 2007 | Enforcement Action: | 03/02/2007 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| PWS name: | COLLEGE PARK | Population served: | 20382 |
| PWS type code: | C | Violation ID: | 10301 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2001 0:00:00 | Compliance end date: | 8/10/2001 0:00:00 |
| Enforcement date: | 7/2/2001 0:00:00 | Enforcement action: | State Intentional no-action |
| Violation measurement: | Not Reported | | |
| PWS name: | COLLEGE PARK | Population served: | 20382 |
| PWS type code: | C | Violation ID: | 10301 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2001 0:00:00 | Compliance end date: | 8/10/2001 0:00:00 |
| Enforcement date: | 8/10/2001 0:00:00 | Enforcement action: | State Compliance Achieved |
| Violation measurement: | Not Reported | | |
| PWS name: | COLLEGE PARK | Population served: | 20382 |
| PWS type code: | C | Violation ID: | 11407 |
| Contaminant: | LEAD & COPPER RULE | Violation type: | Follow-up and Routine Tap Sampling |
| Compliance start date: | 10/1/2006 0:00:00 | Compliance end date: | 12/31/2025 0:00:00 |
| Enforcement date: | 3/2/2007 0:00:00 | Enforcement action: | State Violation/Reminder Notice |
| Violation measurement: | Not Reported | | |
| PWS name: | COLLEGE PARK | Population served: | 20382 |
| PWS type code: | C | Violation ID: | 11407 |
| Contaminant: | LEAD & COPPER RULE | Violation type: | Follow-up and Routine Tap Sampling |
| Compliance start date: | 10/1/2006 0:00:00 | Compliance end date: | 12/31/2025 0:00:00 |
| Enforcement date: | 3/2/2007 0:00:00 | Enforcement action: | State Public Notif Requested |
| Violation measurement: | Not Reported | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

C18
North
1 - 2 Miles
Higher

FRDS PWS GA1210039

| | | | |
|------------------|---------------|-------------------|-------------------------------|
| Epa region: | 04 | State: | GA |
| Pwsid: | GA1210039 | Pwsname: | CHAMPIONS CLUB OF ATLANTA |
| Cityserved: | Not Reported | Stateserved: | GA |
| Ziperved: | Not Reported | Fipscounty: | 13121 |
| Status: | Closed | Retpopsrvd: | 255 |
| Pwssvconn: | 2 | Psource longname: | Groundwater |
| Pwstype: | NTNCWS | Owner: | Private |
| Contact: | MELNIK, STEVE | Contactorgname: | Not Reported |
| Contactphone: | 904-356-1000 | Contactaddress1: | 111 RIVERSIDE AVE., SUITE 330 |
| Contactaddress2: | Not Reported | Contactcity: | JACKSONVILLE |
| Contactstate: | FL | Contactzip: | 33202 |
| Pwsactivitycode: | I | | |

| | | | |
|------------------|------------------------|---------------|-----------------|
| Pwsid: | GA1210039 | Facid: | 1035 |
| Facname: | WELL #1 PLANT | Factype: | Treatment_plant |
| Facactivitycode: | I | Trtobjective: | disinfection |
| Trtprocess: | hypochlorination, post | Factypecode: | TP |

| | | | |
|--------------------------|-------------------------------|------------------------|--------------|
| PWS ID: | GA1210039 | PWS type: | Not Reported |
| PWS name: | Not Reported | PWS address: | Not Reported |
| PWS city: | Not Reported | PWS state: | Not Reported |
| PWS zip: | Not Reported | PWS ID: | GA1210039 |
| Activity status: | Active | Date system activated: | Not Reported |
| Date system deactivated: | Not Reported | Retail population: | 00000025 |
| System name: | CHAMPIONS CLUB-HOPEWELL DOWNS | | |
| System address: | CHAMPIONS CLUB-HOPEWELL DOWNS | | |
| System address: | 15135 HOPEWELL ROAD | System city: | ALPHARETTA |
| System state: | GA | System zip: | 30201 |

| | | | |
|--------------------|-------------------|------------|---------|
| Population served: | 101 - 500 Persons | Treatment: | Treated |
| Latitude: | 340431 | Longitude: | 0841739 |
| Latitude: | 335031 | Longitude: | 0842844 |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|-----------------------------|---------------------------------|----------------------------|----------------|
| Violation ID: | 9200001 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | COLIFORM (TCR) |
| Violation type: | Monitoring, Routine Major (TCR) | | |
| Violation start date: | 010192 | Violation end date: | 033192 |
| Violation period (months): | 003 | Violation awareness date: | Not Reported |
| Major violator: | Yes | Maximum contaminant level: | Not Reported |
| Number of required samples: | Not Reported | Number of samples taken: | Not Reported |
| Analysis method: | Not Reported | Analysis result: | Not Reported |

PWS currently has or had major violation(s) or enforcement:Yes

| | | | |
|-----------------------------|---------------------------------|----------------------------|----------------|
| Violation ID: | 9200002 | Violation source ID: | Not Reported |
| PWS telephone: | Not Reported | Contaminant: | COLIFORM (TCR) |
| Violation type: | Monitoring, Routine Major (TCR) | | |
| Violation start date: | 040192 | Violation end date: | 063092 |
| Violation period (months): | 003 | Violation awareness date: | Not Reported |
| Major violator: | Yes | Maximum contaminant level: | Not Reported |
| Number of required samples: | Not Reported | Number of samples taken: | Not Reported |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Analysis method: Not Reported Analysis result: Not Reported

**C19
North
1 - 2 Miles
Higher**

FRDS PWS GA1210007

Epa region: 04
Pwsid: GA1210007
Cityserved: Not Reported
Zipserved: Not Reported
Status: Active
Pwssvconn: 307
Pwstype: CWS
Contact: SCHMIDT, BILL
Contactphone: 770-993-4231
Contactaddress2: Not Reported
Contactstate: GA
Pwsactivitycode: A

State: GA
Pwsname: MOUNTAIN PARK
Stateserved: GA
Fipscounty: 13121
Retpopsrvd: 798
Psource longname: Purch_surface_water
Owner: Local_Govt
Contactorgname: SCHMIDT, BILL
Contactaddress1: 118 LAKE SHORE DRIVE
Contactcity: MOUNTAIN PARK
Contactzip: 30075

PWS ID: GA1210007
Address: 100 MOUNTAIN PARK ROAD
City: ROSWELL
Zip: 30075
Source code: Purchases surface water

PWS name: MOUNTAIN PARK
Care of: CITY OF MOUNTAIN PARK
State: GA
Owner: MOUNTAIN PARK
Population: 679

PWS ID: GA1210007
PWS name: Not Reported
PWS city: Not Reported
PWS zip: Not Reported
PWS type code: C
Contact: SCHMIDT, BILL
Contact address: MOUNTAIN PARK
Contact state: 30
Contact telephone: Not Reported

PWS type: Not Reported
PWS address: Not Reported
PWS state: Not Reported
PWS name: MOUNTAIN PARK
Retail population served: 798
Contact address: 118 LAKE SHORE DRIVE
Contact city: GA
Contact zip: 770-993-42

PWS ID: GA1210007
Date system activated: Not Reported
Retail population: 00000679
System address: CITY OF MOUNTAIN PARK
System city: ROSWELL
System zip: 30075

Activity status: Active
Date system deactivated: Not Reported
System name: MOUNTAIN PARK
System address: 100 MOUNTAIN PARK ROAD
System state: GA

Population served: 501 - 1,000 Persons

Treatment: Treated

Latitude: 335031

Longitude: 0842844

Violation id: 1005
State: GA
Contamination code: 7000
Violation code: 71
Rule code: 420
Violation measur: Not Reported
State mcl: Not Reported
Cmp edt: Not Reported

Orig code: S
Violation Year: 2004
Contamination Name: Consumer Confidence Rule
Violation name: CCR Complete Failure to Report
Rule name: CCR
Unit of measure: Not Reported
Cmp bdt: 07/01/2004

Violation id: 1107
State: GA
Contamination code: 7000
Violation code: 71
Rule code: 420

Orig code: S
Violation Year: 2006
Contamination Name: Consumer Confidence Rule
Violation name: CCR Complete Failure to Report
Rule name: CCR

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---------------------|--------------|---------------------|--------------------------------|
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 07/01/2006 |
| Cmp edt: | Not Reported | | |
| Violation id: | 1408 | Orig code: | S |
| State: | GA | Violation Year: | 2007 |
| Contamination code: | 7000 | Contamination Name: | Consumer Confidence Rule |
| Violation code: | 71 | Violation name: | CCR Complete Failure to Report |
| Rule code: | 420 | Rule name: | CCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 07/01/2007 |
| Cmp edt: | Not Reported | | |
| Violation id: | 1613 | Orig code: | S |
| State: | GA | Violation Year: | 2012 |
| Contamination code: | 7000 | Contamination Name: | Consumer Confidence Rule |
| Violation code: | 71 | Violation name: | CCR Complete Failure to Report |
| Rule code: | 420 | Rule name: | CCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 07/01/2012 |
| Cmp edt: | Not Reported | | |
| Violation id: | 1614 | Orig code: | S |
| State: | GA | Violation Year: | 2013 |
| Contamination code: | 7000 | Contamination Name: | Consumer Confidence Rule |
| Violation code: | 71 | Violation name: | CCR Complete Failure to Report |
| Rule code: | 420 | Rule name: | CCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 07/01/2013 |
| Cmp edt: | Not Reported | | |
| Violation id: | 201 | Orig code: | S |
| State: | GA | Violation Year: | 2000 |
| Contamination code: | 7000 | Contamination Name: | Consumer Confidence Rule |
| Violation code: | 71 | Violation name: | CCR Complete Failure to Report |
| Rule code: | 420 | Rule name: | CCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 07/01/2000 |
| Cmp edt: | Not Reported | | |
| Violation id: | 302 | Orig code: | S |
| State: | GA | Violation Year: | 2001 |
| Contamination code: | 7000 | Contamination Name: | Consumer Confidence Rule |
| Violation code: | 71 | Violation name: | CCR Complete Failure to Report |
| Rule code: | 420 | Rule name: | CCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 07/01/2001 |
| Cmp edt: | Not Reported | | |
| Violation id: | 603 | Orig code: | S |
| State: | GA | Violation Year: | 2002 |
| Contamination code: | 7000 | Contamination Name: | Consumer Confidence Rule |
| Violation code: | 71 | Violation name: | CCR Complete Failure to Report |
| Rule code: | 420 | Rule name: | CCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 07/01/2002 |
| Cmp edt: | Not Reported | | |
| Violation id: | 804 | Orig code: | S |
| State: | GA | Violation Year: | 2003 |
| Contamination code: | 7000 | Contamination Name: | Consumer Confidence Rule |
| Violation code: | 71 | Violation name: | CCR Complete Failure to Report |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-----------------------|----------------------------|-----------------------|--------------------------------|
| Rule code: | 420 | Rule name: | CCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 07/01/2003 |
| Cmp edt: | Not Reported | | |
| Violation id: | 905 | Orig code: | S |
| State: | GA | Violation Year: | 2005 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 26 | Violation name: | Monitoring, Repeat Minor (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 06/01/2005 |
| Cmp edt: | 06/30/2005 | | |
| Violation ID: | 1005 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 08/29/2005 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 1005 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 08/01/2005 |
| Enforcement Detail: | State CCR Follow-up Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 1107 | Orig Code: | S |
| Enforcemnt FY: | 2007 | Enforcement Action: | 09/01/2007 |
| Enforcement Detail: | State CCR Follow-up Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 1107 | Orig Code: | S |
| Enforcemnt FY: | 2008 | Enforcement Action: | 10/05/2007 |
| Enforcement Detail: | State CCR Follow-up Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 1107 | Orig Code: | S |
| Enforcemnt FY: | 2008 | Enforcement Action: | 09/10/2008 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 1408 | Orig Code: | S |
| Enforcemnt FY: | 2008 | Enforcement Action: | 09/10/2008 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 1408 | Orig Code: | S |
| Enforcemnt FY: | 2008 | Enforcement Action: | 08/12/2008 |
| Enforcement Detail: | State CCR Follow-up Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 1613 | Orig Code: | S |
| Enforcemnt FY: | 2012 | Enforcement Action: | 08/27/2012 |
| Enforcement Detail: | State CCR Follow-up Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 1613 | Orig Code: | S |
| Enforcemnt FY: | 2013 | Enforcement Action: | 10/18/2012 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 1614 | Orig Code: | S |
| Enforcemnt FY: | 2013 | Enforcement Action: | 07/02/2013 |
| Enforcement Detail: | State CCR Follow-up Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 1614 | Orig Code: | S |
| Enforcemnt FY: | 2013 | Enforcement Action: | 08/27/2013 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|------------------------|------------------------------|-----------------------|---------------------------|
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 201 | Orig Code: | S |
| Enforcemnt FY: | 2001 | Enforcement Action: | 07/02/2001 |
| Enforcement Detail: | St Intentional no-action | Enforcement Category: | Resolving |
| Violation ID: | 201 | Orig Code: | S |
| Enforcemnt FY: | 2001 | Enforcement Action: | 09/07/2001 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 302 | Orig Code: | S |
| Enforcemnt FY: | 2002 | Enforcement Action: | 07/23/2002 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 302 | Orig Code: | S |
| Enforcemnt FY: | 2002 | Enforcement Action: | 08/08/2002 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 603 | Orig Code: | S |
| Enforcemnt FY: | 2003 | Enforcement Action: | 08/19/2003 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 603 | Orig Code: | S |
| Enforcemnt FY: | 2003 | Enforcement Action: | 08/11/2003 |
| Enforcement Detail: | State CCR Follow-up Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 804 | Orig Code: | S |
| Enforcemnt FY: | 2004 | Enforcement Action: | 09/08/2004 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 804 | Orig Code: | S |
| Enforcemnt FY: | 2004 | Enforcement Action: | 08/20/2004 |
| Enforcement Detail: | State CCR Follow-up Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 905 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 07/21/2005 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 905 | Orig Code: | S |
| Enforcemnt FY: | 2005 | Enforcement Action: | 07/21/2005 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| PWS name: | MOUNTAIN PARK | Population served: | 798 |
| PWS type code: | C | Violation ID: | 1005 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2005 0:00:00 | Compliance end date: | 8/29/2005 0:00:00 |
| Enforcement date: | 8/1/2005 0:00:00 | Enforcement action: | SII |
| Violation measurement: | Not Reported | | |
| PWS name: | MOUNTAIN PARK | Population served: | 798 |
| PWS type code: | C | Violation ID: | 1005 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2005 0:00:00 | Compliance end date: | 8/29/2005 0:00:00 |
| Enforcement date: | 8/29/2005 0:00:00 | Enforcement action: | State Compliance Achieved |
| Violation measurement: | Not Reported | | |
| PWS name: | MOUNTAIN PARK | Population served: | 798 |
| PWS type code: | C | Violation ID: | 1107 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|------------------------|-------------------|----------------------|---------------------------------|
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2007 0:00:00 | Compliance end date: | 9/10/2008 0:00:00 |
| Enforcement date: | 10/5/2007 0:00:00 | Enforcement action: | SII |
| Violation measurement: | Not Reported | | |
| PWS name: | MOUNTAIN PARK | Population served: | 798 |
| PWS type code: | C | Violation ID: | 1107 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2007 0:00:00 | Compliance end date: | 9/10/2008 0:00:00 |
| Enforcement date: | 9/1/2007 0:00:00 | Enforcement action: | SII |
| Violation measurement: | Not Reported | | |
| PWS name: | MOUNTAIN PARK | Population served: | 798 |
| PWS type code: | C | Violation ID: | 1107 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2007 0:00:00 | Compliance end date: | 9/10/2008 0:00:00 |
| Enforcement date: | 9/10/2008 0:00:00 | Enforcement action: | State Compliance Achieved |
| Violation measurement: | Not Reported | | |
| PWS name: | MOUNTAIN PARK | Population served: | 798 |
| PWS type code: | C | Violation ID: | 1408 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2008 0:00:00 | Compliance end date: | 9/10/2008 0:00:00 |
| Enforcement date: | 8/12/2008 0:00:00 | Enforcement action: | SII |
| Violation measurement: | Not Reported | | |
| PWS name: | MOUNTAIN PARK | Population served: | 798 |
| PWS type code: | C | Violation ID: | 1408 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2008 0:00:00 | Compliance end date: | 9/10/2008 0:00:00 |
| Enforcement date: | 9/10/2008 0:00:00 | Enforcement action: | State Compliance Achieved |
| Violation measurement: | Not Reported | | |
| PWS name: | MOUNTAIN PARK | Population served: | 798 |
| PWS type code: | C | Violation ID: | 201 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2001 0:00:00 | Compliance end date: | 9/7/2001 0:00:00 |
| Enforcement date: | 7/2/2001 0:00:00 | Enforcement action: | State Intentional no-action |
| Violation measurement: | Not Reported | | |
| PWS name: | MOUNTAIN PARK | Population served: | 798 |
| PWS type code: | C | Violation ID: | 201 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2001 0:00:00 | Compliance end date: | 9/7/2001 0:00:00 |
| Enforcement date: | 9/7/2001 0:00:00 | Enforcement action: | State Compliance Achieved |
| Violation measurement: | Not Reported | | |
| PWS name: | MOUNTAIN PARK | Population served: | 798 |
| PWS type code: | C | Violation ID: | 302 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2002 0:00:00 | Compliance end date: | 8/8/2002 0:00:00 |
| Enforcement date: | 7/23/2002 0:00:00 | Enforcement action: | State Violation/Reminder Notice |
| Violation measurement: | Not Reported | | |
| PWS name: | MOUNTAIN PARK | Population served: | 798 |
| PWS type code: | C | Violation ID: | 302 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2002 0:00:00 | Compliance end date: | 8/8/2002 0:00:00 |
| Enforcement date: | 8/8/2002 0:00:00 | Enforcement action: | State Compliance Achieved |
| Violation measurement: | Not Reported | | |
| PWS name: | MOUNTAIN PARK | Population served: | 798 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|------------------------|-------------------|----------------------|---------------------------------|
| PWS type code: | C | Violation ID: | 603 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2003 0:00:00 | Compliance end date: | 8/19/2003 0:00:00 |
| Enforcement date: | 8/11/2003 0:00:00 | Enforcement action: | SII |
| Violation measurement: | Not Reported | | |
| | | | |
| PWS name: | MOUNTAIN PARK | Population served: | 798 |
| PWS type code: | C | Violation ID: | 603 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2003 0:00:00 | Compliance end date: | 8/19/2003 0:00:00 |
| Enforcement date: | 8/19/2003 0:00:00 | Enforcement action: | State Compliance Achieved |
| Violation measurement: | Not Reported | | |
| | | | |
| PWS name: | MOUNTAIN PARK | Population served: | 798 |
| PWS type code: | C | Violation ID: | 804 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2004 0:00:00 | Compliance end date: | 9/8/2004 0:00:00 |
| Enforcement date: | 8/20/2004 0:00:00 | Enforcement action: | SII |
| Violation measurement: | Not Reported | | |
| | | | |
| PWS name: | MOUNTAIN PARK | Population served: | 798 |
| PWS type code: | C | Violation ID: | 804 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2004 0:00:00 | Compliance end date: | 9/8/2004 0:00:00 |
| Enforcement date: | 9/8/2004 0:00:00 | Enforcement action: | State Compliance Achieved |
| Violation measurement: | Not Reported | | |
| | | | |
| PWS name: | MOUNTAIN PARK | Population served: | 798 |
| PWS type code: | C | Violation ID: | 905 |
| Contaminant: | COLIFORM (TCR) | Violation type: | Monitoring, Repeat Minor (TCR) |
| Compliance start date: | 6/1/2005 0:00:00 | Compliance end date: | 6/30/2005 0:00:00 |
| Enforcement date: | 7/21/2005 0:00:00 | Enforcement action: | State Violation/Reminder Notice |
| Violation measurement: | Not Reported | | |
| | | | |
| PWS name: | MOUNTAIN PARK | Population served: | 798 |
| PWS type code: | C | Violation ID: | 905 |
| Contaminant: | COLIFORM (TCR) | Violation type: | Monitoring, Repeat Minor (TCR) |
| Compliance start date: | 6/1/2005 0:00:00 | Compliance end date: | 6/30/2005 0:00:00 |
| Enforcement date: | 7/21/2005 0:00:00 | Enforcement action: | State Public Notif Requested |
| Violation measurement: | Not Reported | | |

**C20
North
1 - 2 Miles
Higher**

FRDS PWS GA1210005

| | | | |
|------------------|-----------------------------|------------------|---------------------|
| Epa region: | 04 | State: | GA |
| Pwsid: | GA1210005 | Pwsname: | NORTH FULTON COUNTY |
| Cityserved: | Not Reported | Stateserved: | GA |
| Zipsserved: | Not Reported | Fipscounty: | 13121 |
| Status: | Active | Retpopsrvd: | 172533 |
| Pwssvconn: | 70291 | Psorce longname: | Purch_surface_water |
| Pwstype: | CWS | Owner: | Local_Govt |
| Contact: | PERSON, PATRICK | Contactorgname: | PERSON, PATRICK |
| Contactphone: | 404-612-9429 | Contactaddress1: | 1030 MARIETTA HWY |
| Contactaddress2: | Not Reported | Contactcity: | ROSWELL |
| Contactstate: | GA | Contactzip: | 30075 |
| Pwsactivitycode: | A | | |
| | | | |
| PWS ID: | GA1210005 | PWS name: | NORTH FULTON COUNTY |
| Address: | 141 PRYOR ST. SW SUITE 6001 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|------------------------|---------------------------|---------------------------|----------------------------------|
| Care of: | DEPT. OF PUBLIC WORKS | City: | ATLANTA |
| State: | GA | Zip: | 30303 |
| Owner: | NORTH FULTON COUNTY | Source code: | Purchases surface water |
| Population: | 106600 | | |
| PWS ID: | GA1210005 | PWS type: | Not Reported |
| PWS name: | Not Reported | PWS address: | Not Reported |
| PWS city: | Not Reported | PWS state: | Not Reported |
| PWS zip: | Not Reported | PWS name: | NORTH FULTON COUNTY |
| PWS type code: | C | Retail population served: | 172533 |
| Contact: | BAH, MARIE | Contact address: | 1030 MARIETTA HWY. |
| Contact address: | ROSWELL | Contact city: | GA |
| Contact state: | 30 | Contact zip: | 404-612-02 |
| Contact telephone: | Not Reported | | |
| PWS ID: | GA1210005 | Activity status: | Active |
| Date system activated: | Not Reported | Date system deactivated: | Not Reported |
| Retail population: | 00060000 | System name: | NORTH FULTON COUNTY |
| System address: | NORTH FULTON WATER SYSTEM | System address: | 1030 MARIETTA HIGHWAY |
| System city: | ROSWELL | System state: | GA |
| System zip: | 300754732 | | |
| Population served: | 50,001 - 75,000 Persons | Treatment: | Treated |
| Latitude: | 335031 | Longitude: | 0842844 |
| Latitude: | 335031 | Longitude: | 0842844 |
| Latitude: | 335031 | Longitude: | 0842844 |
| Latitude: | 335031 | Longitude: | 0842844 |
| Violation id: | 10102 | Orig code: | S |
| State: | GA | Violation Year: | 2002 |
| Contamination code: | 7000 | Contamination Name: | Consumer Confidence Rule |
| Violation code: | 71 | Violation name: | CCR Complete Failure to Report |
| Rule code: | 420 | Rule name: | CCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 07/01/2002 |
| Cmp edt: | Not Reported | | |
| Violation id: | 10304 | Orig code: | S |
| State: | GA | Violation Year: | 2002 |
| Contamination code: | 5000 | Contamination Name: | Lead and Copper Rule |
| Violation code: | 52 | Violation name: | Follow-up Or Routine LCR Tap M/R |
| Rule code: | 350 | Rule name: | LCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 10/01/2002 |
| Cmp edt: | Not Reported | | |
| Violation id: | 10404 | Orig code: | S |
| State: | GA | Violation Year: | 2004 |
| Contamination code: | 7000 | Contamination Name: | Consumer Confidence Rule |
| Violation code: | 71 | Violation name: | CCR Complete Failure to Report |
| Rule code: | 420 | Rule name: | CCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 07/01/2004 |
| Cmp edt: | Not Reported | | |
| Violation id: | 10606 | Orig code: | S |
| State: | GA | Violation Year: | 2006 |
| Contamination code: | 7000 | Contamination Name: | Consumer Confidence Rule |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|------------------------|------------------------------|-----------------------|--------------------------------|
| Violation code: | 71 | Violation name: | CCR Complete Failure to Report |
| Rule code: | 420 | Rule name: | CCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 07/01/2006 |
| Cmp edt: | Not Reported | | |
| Violation id: | 10808 | Orig code: | S |
| State: | GA | Violation Year: | 2008 |
| Contamination code: | 7000 | Contamination Name: | Consumer Confidence Rule |
| Violation code: | 71 | Violation name: | CCR Complete Failure to Report |
| Rule code: | 420 | Rule name: | CCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 07/01/2008 |
| Cmp edt: | Not Reported | | |
| Violation ID: | 10102 | Orig Code: | S |
| Enforcemnt FY: | 2002 | Enforcement Action: | 07/18/2002 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 10102 | Orig Code: | S |
| Enforcemnt FY: | 2002 | Enforcement Action: | 07/23/2002 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 10304 | Orig Code: | S |
| Enforcemnt FY: | 2003 | Enforcement Action: | 09/22/2003 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 10304 | Orig Code: | S |
| Enforcemnt FY: | 2003 | Enforcement Action: | 02/03/2003 |
| Enforcement Detail: | St Violation/Reminder Notice | | |
| Enforcement Category: | Informal | | |
| Violation ID: | 10404 | Orig Code: | S |
| Enforcemnt FY: | 2004 | Enforcement Action: | 07/02/2004 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 10404 | Orig Code: | S |
| Enforcemnt FY: | 2004 | Enforcement Action: | 07/01/2004 |
| Enforcement Detail: | St Intentional no-action | Enforcement Category: | Resolving |
| Violation ID: | 10606 | Orig Code: | S |
| Enforcemnt FY: | 2006 | Enforcement Action: | 07/21/2006 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 10606 | Orig Code: | S |
| Enforcemnt FY: | 2006 | Enforcement Action: | 07/21/2006 |
| Enforcement Detail: | St Intentional no-action | Enforcement Category: | Resolving |
| Violation ID: | 10808 | Orig Code: | S |
| Enforcemnt FY: | 2008 | Enforcement Action: | 08/14/2008 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 10808 | Orig Code: | S |
| Enforcemnt FY: | 2008 | Enforcement Action: | 08/12/2008 |
| Enforcement Detail: | State CCR Follow-up Notice | | |
| Enforcement Category: | Informal | | |
| PWS name: | NORTH FULTON COUNTY | Population served: | 172533 |
| PWS type code: | C | Violation ID: | 10102 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2002 0:00:00 | Compliance end date: | 7/18/2002 0:00:00 |

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| | | | |
|------------------------|---------------------|----------------------|------------------------------------|
| Enforcement date: | 7/18/2002 0:00:00 | Enforcement action: | State Compliance Achieved |
| Violation measurement: | Not Reported | | |
| PWS name: | NORTH FULTON COUNTY | Population served: | 172533 |
| PWS type code: | C | Violation ID: | 10102 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2002 0:00:00 | Compliance end date: | 7/18/2002 0:00:00 |
| Enforcement date: | 7/23/2002 0:00:00 | Enforcement action: | State Violation/Reminder Notice |
| Violation measurement: | Not Reported | | |
| PWS name: | NORTH FULTON COUNTY | Population served: | 172533 |
| PWS type code: | C | Violation ID: | 10304 |
| Contaminant: | LEAD & COPPER RULE | Violation type: | Follow-up and Routine Tap Sampling |
| Compliance start date: | 10/1/2002 0:00:00 | Compliance end date: | 9/22/2003 0:00:00 |
| Enforcement date: | 2/3/2003 0:00:00 | Enforcement action: | State Violation/Reminder Notice |
| Violation measurement: | Not Reported | | |
| PWS name: | NORTH FULTON COUNTY | Population served: | 172533 |
| PWS type code: | C | Violation ID: | 10304 |
| Contaminant: | LEAD & COPPER RULE | Violation type: | Follow-up and Routine Tap Sampling |
| Compliance start date: | 10/1/2002 0:00:00 | Compliance end date: | 9/22/2003 0:00:00 |
| Enforcement date: | 9/22/2003 0:00:00 | Enforcement action: | State Compliance Achieved |
| Violation measurement: | Not Reported | | |
| PWS name: | NORTH FULTON COUNTY | Population served: | 172533 |
| PWS type code: | C | Violation ID: | 10404 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2004 0:00:00 | Compliance end date: | 7/2/2004 0:00:00 |
| Enforcement date: | 7/1/2004 0:00:00 | Enforcement action: | State Intentional no-action |
| Violation measurement: | Not Reported | | |
| PWS name: | NORTH FULTON COUNTY | Population served: | 172533 |
| PWS type code: | C | Violation ID: | 10404 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2004 0:00:00 | Compliance end date: | 7/2/2004 0:00:00 |
| Enforcement date: | 7/2/2004 0:00:00 | Enforcement action: | State Compliance Achieved |
| Violation measurement: | Not Reported | | |
| PWS name: | NORTH FULTON COUNTY | Population served: | 172533 |
| PWS type code: | C | Violation ID: | 10606 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2006 0:00:00 | Compliance end date: | 7/21/2006 0:00:00 |
| Enforcement date: | 7/21/2006 0:00:00 | Enforcement action: | State Intentional no-action |
| Violation measurement: | Not Reported | | |
| PWS name: | NORTH FULTON COUNTY | Population served: | 172533 |
| PWS type code: | C | Violation ID: | 10606 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2006 0:00:00 | Compliance end date: | 7/21/2006 0:00:00 |
| Enforcement date: | 7/21/2006 0:00:00 | Enforcement action: | State Compliance Achieved |
| Violation measurement: | Not Reported | | |
| PWS name: | NORTH FULTON COUNTY | Population served: | 172533 |
| PWS type code: | C | Violation ID: | 10808 |
| Contaminant: | 7000 | Violation type: | 71 |
| Compliance start date: | 7/1/2008 0:00:00 | Compliance end date: | 8/14/2008 0:00:00 |
| Enforcement date: | 8/12/2008 0:00:00 | Enforcement action: | SII |
| Violation measurement: | Not Reported | | |
| PWS name: | NORTH FULTON COUNTY | Population served: | 172533 |
| PWS type code: | C | Violation ID: | 10808 |
| Contaminant: | 7000 | Violation type: | 71 |

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| | | | |
|------------------------|-------------------|----------------------|---------------------------|
| Compliance start date: | 7/1/2008 0:00:00 | Compliance end date: | 8/14/2008 0:00:00 |
| Enforcement date: | 8/14/2008 0:00:00 | Enforcement action: | State Compliance Achieved |
| Violation measurement: | Not Reported | | |

**D21
NNW
1 - 2 Miles
Higher**

GA WELLS 000002233

| | | | |
|---------------|---------------------------|------------------|-----------|
| County code: | 067 | Well num: | 10EE39 |
| Remarks: | BP GAS STN S ATLANTA ROAD | Lat: | 335041 |
| Lon: | 0842922 | Latlon datum: | NAD27 |
| Alt: | 930 | Alt datum: | NGVD29 |
| Depth: | 39 | Depth to casing: | 29 |
| Casing dia: | 2 | Casing matl: | P |
| Depth to top: | 29 | Depth to bot: | 39 |
| Opening type: | P | Constr date: | 19900724 |
| Discharge: | Not Reported | Prim use: | U |
| Aquifer code: | 110SPRL | Edr id: | 000002233 |

**D22
NNW
1 - 2 Miles
Higher**

FED USGS USGS40000265168

| | | | |
|------------------------|---|-----------------------------|-----------------------------------|
| Organization ID: | USGS-GA | Organization Name: | USGS Georgia Water Science Center |
| Monitor Location: | 10EE39 | Type: | Well |
| Description: | BP GAS STN S ATLANTA ROAD | HUC: | 03130001 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Piedmont and Blue Ridge crystalline-rock aquifers | | |
| Formation Type: | Saprolite | Aquifer Type: | Unconfined single aquifer |
| Construction Date: | 19900724 | Well Depth: | 39 |
| Well Depth Units: | ft | Well Hole Depth: | 39.5 |
| Well Hole Depth Units: | ft | | |

| | | | |
|---|--------------|---------------------|--------------|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1995-06-27 |
| Feet below surface: | 29.62 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

**E23
WSW
1 - 2 Miles
Higher**

FED USGS USGS40000265030

| | | | |
|------------------------|---|-----------------------------|-----------------------------------|
| Organization ID: | USGS-GA | Organization Name: | USGS Georgia Water Science Center |
| Monitor Location: | 09EE06 | Type: | Well |
| Description: | CLAUDE W. McAteer | HUC: | 03130002 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Piedmont and Blue Ridge crystalline-rock aquifers | | |
| Formation Type: | Saprolite | Aquifer Type: | Unconfined single aquifer |
| Construction Date: | 1940 | Well Depth: | 38 |
| Well Depth Units: | ft | Well Hole Depth: | 38 |
| Well Hole Depth Units: | ft | | |

| | | | |
|---|---|---------------------|------------|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1995-06-01 |
|---|---|---------------------|------------|

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| | | | |
|---------------------|--------------|--------------------|--------------|
| Feet below surface: | 28.95 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

**E24
WSW
1 - 2 Miles
Higher**

GA WELLS 000002229

| | | | |
|---------------|-------------------|------------------|--------------|
| County code: | 067 | Well num: | 09EE06 |
| Remarks: | CLAUDE W. McAteer | Lat: | 334818 |
| Lon: | 0843036 | Latlon datum: | NAD27 |
| Alt: | 880 | Alt datum: | NGVD29 |
| Depth: | 38 | Depth to casing: | Not Reported |
| Casing dia: | 30 | Casing matl: | B |
| Depth to top: | Not Reported | Depth to bot: | Not Reported |
| Opening type: | Not Reported | Constr date: | 1940 |
| Discharge: | Not Reported | Prim use: | H |
| Aquifer code: | 110SPRL | Edr id: | 000002229 |

**25
ESE
1 - 2 Miles
Higher**

GA WELLS 000004654

| | | | |
|---------------|---------------------------|------------------|--------------|
| County code: | 121 | Well num: | 10EE36 |
| Remarks: | TREMONT TMPL BPTST CH SPG | Lat: | 334827 |
| Lon: | 0842659 | Latlon datum: | NAD27 |
| Alt: | 925 | Alt datum: | NGVD29 |
| Depth: | Not Reported | Depth to casing: | Not Reported |
| Casing dia: | Not Reported | Casing matl: | Not Reported |
| Depth to top: | Not Reported | Depth to bot: | Not Reported |
| Opening type: | Not Reported | Constr date: | Not Reported |
| Discharge: | 5 | Prim use: | U |
| Aquifer code: | 320CRSL | Edr id: | 000004654 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for COBB County: 1

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 30080

Number of sites tested: 3

| Area | Average Activity | % <4 pCi/L | % 4-20 pCi/L | % >20 pCi/L |
|-------------------------|------------------|--------------|--------------|--------------|
| Living Area - 1st Floor | 1.067 pCi/L | 100% | 0% | 0% |
| Living Area - 2nd Floor | Not Reported | Not Reported | Not Reported | Not Reported |
| Basement | 3.300 pCi/L | 67% | 33% | 0% |

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Georgia GIS Clearinghouse

Telephone: 706-542-1581

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

A listing of Private Water Well locations

Georgia Department of Public Health

Telephone: (404) 657-2700

A listing of Private Water Well locations

Georgia Public Supply Wells

Source: Georgia Department of Community Affairs

Telephone: 404-894-0127

USGS Georgia Water Wells

Source: USGS, Georgia District Office

Telephone: 770-903-9100

DNR Managed Lands

Source: Department of Natural Resources

Telephone: 706-557-3032

This dataset provides 1:24,000-scale data depicting boundaries of land parcels making up the public lands managed by the Georgia Department of Natural Resources (GDNR). It includes polygon representations of State Parks, State Historic Parks, State Conservation Parks, State Historic Sites, Wildlife Management Areas, Public Fishing Areas, Fish Hatcheries, Natural Areas and other specially-designated areas. The data were collected and located by the Georgia Department of Natural Resources. Boundaries were digitized from survey plats or other information.

RADON

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

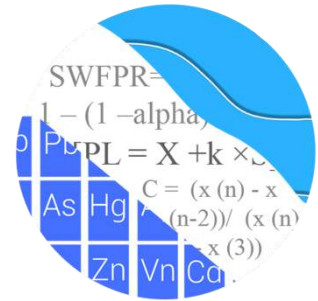
STREET AND ADDRESS INFORMATION

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APPENDIX F

Statistical Analyses

GROUNDWATER STATS CONSULTING



February 28, 2024

Southern Company Services
Attn: Mr. Joju Abraham
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308-3374

Re: Plant McDonough Ash Pond (AP-2,3,4)
September 2023 Statistical Analysis

Dear Mr. Abraham,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the September 2023 Semi-Annual Groundwater Monitoring and Corrective Action Statistical summary of groundwater data for Georgia Power Company's Plant McDonough AP-2,3,4. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals from Electric Utilities (CCR Rule, 2015), the Georgia Environmental Protection Division (EPD) Rules for Solid Waste Management Chapter 391-3-4-.10, and follows the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Sampling for Appendix III parameters began in 2016, and at least 8 background samples were collected at each of the groundwater monitoring wells. Semi-annual sampling of the majority of Appendix IV constituents has been performed for several years in accordance with the Georgia Department of Natural Resources, Environmental Protection Division groundwater monitoring regulations. A list of all parameters is provided below.

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

- **Upgradient wells:** DGWA-53, DGWA-70A, DGWA-71
- **Downgradient wells:** DGWC-2, DGWC-4, DGWC-5, DGWC-8, DGWC-9, DGWC-10, DGWC-11, DGWC-12, DGWC-13, DGWC-14, DGWC-15, DGWC-17, DGWC-19, DGWC-20, DGWC-21, DGWC-22, DGWC-23, DGWC-42, DGWC-47, and DGWC-48

- **Assessment Wells:** B-56, B-62, B-63, B-66, B-77, B-82, B-83, B-88, B-92, B-93, B-97, B-98, B-100, B-101D, B-102D, B-104D, B-106D, B-107D, B-108D, B-111D, B-120D, B-122D, and B-125D

The assessment wells were installed at various times during 2016-2020 as follows:

- **2016** - B-56, B-62, B-63, and B-66
- **2019** - B-77, B-82, B-83, B-88, B-92, and B-93
- **2020** – B-97, B-98, B-100, B-101D, B-102D, B-104D, B-106D, B-107D, B-108D, and B-111D
- **2021** – B-120D
- **2022** – B-122D
- **2023** – B-125D

Well DGWC-9 was dry during the September 2023 event and was not sampled; therefore, this well is included on time series and box plots, but is not analyzed with prediction limits. Note that well B-109D was classified as an assessment well previously but has been redesignated as a piezometer. Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Andrew Collins, Project Manager for Groundwater Stats Consulting. The analysis is prepared according to the recommended statistical methodology prepared in the Fall 2017 by Dr. Kirk Cameron, PhD Statistician with MacStat Consulting, primary author of the USEPA Unified Guidance.

The Coal Combustion Residuals (CCR) program consists of the constituents listed below. The terms “parameters” and “constituents” are used interchangeably.

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

Note that when there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. A summary of Appendix IV downgradient and assessment well/constituent pairs containing 100% non-detects follows this letter.

Time series plots for Appendix III and IV parameters at all wells are provided for the purpose of screening data at these wells (Figure A). Additionally, a separate section of box plots is included for all constituents at upgradient and downgradient wells (Figure B). The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and between

all wells. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs. A summary of flagged outliers follows this report (Figure C).

In earlier analyses, data at all wells were evaluated 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. Power curves were provided with the previous screening and demonstrated that the selected statistical methods for Appendix III parameters comply with the USEPA Unified Guidance. The EPA suggests that the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations.

Summary of Statistical Methods – Appendix III Parameters

Based on the earlier evaluation described above, the following methods were selected:

- Interwell prediction limits, combined with a 1-of-2 resample plan for boron, calcium, chloride, fluoride, pH, sulfate, and TDS

Parametric prediction limits are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized. While the false positive rate associated with the parametric limits is based on an annual 10% (5% per semi-annual event) as recommended by the EPA Unified Guidance (2009), the false positive rate associated with the nonparametric limits is dependent upon the available background sample size, number of future comparisons, and verification resample plan. The 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 (US EPA, 2009), data are analyzed using either parametric or non-parametric prediction limits. Non-detects are handled as follows:

- No statistical analyses are required on wells and analytes containing 100% non-detects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% non-detects, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the most recent practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% non-detects, the Kaplan-Meier non-detect adjustment is applied to the background data for parametric limits. This technique

adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.

- Nonparametric prediction limits are used on data containing greater than 50% non-detects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after screening for any new outliers. In some cases, earlier data may require deselection prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

Summary of Background Screening – Conducted in March 2019

Outlier Analysis

Time series plots were used to identify suspected outliers, or extreme values that would result in limits that are not representative of the current background data population. Suspected outliers were formally tested using Tukey's box plot method and, when identified, flagged in the computer database with "o" and deselected prior to construction of statistical limits.

Using the Tukey box plot method, several outliers were identified. In cases where the most recent value was identified as an outlier, values were not flagged in the database as they may represent a possible trend. If future values do not remain at similar concentrations, these values may be flagged as outliers and deselected. Several low values exist in the data sets and appear on the graphs as possible low outliers relative to the laboratory's Practical Quantitation Limit. However, these values are observed trace values (i.e., measurements reported by the laboratory between the Method Detection Limit and the Practical Quantitation Limit) and, therefore, were not flagged as outliers.

Of the outliers identified by Tukey's method, only a few of these values were flagged in the database as all other values are similar to other measurements.

Additionally, when any values are flagged in the database as outliers, they are plotted in a disconnected and lighter symbol on the time series graph. The accompanying data pages display the flagged value in a lighter font as well. A substitution of the most recent reporting limit was applied when varying detection limits existed in data.

Seasonality

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

Trend Test Evaluation

While trends may be identified by visual inspection, a quantification of the trend and its significance is needed. The Sen's Slope/Mann Kendall trend test was used to evaluate all data at each well to identify statistically significant increasing or decreasing trends. In the absence of suspected contamination, significant trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend and, thus, reduce variation in background. When statistically significant decreasing trends are present, all available data are evaluated to determine whether earlier concentration levels are significantly different than current reported concentrations and will be deselected as necessary. When any records of data are truncated for the reasons above, a summary report will be provided to show the date ranges used in construction of the statistical limits.

The results of the trend analyses were included with the previous screening and showed two statistically significant decreasing trends for the Appendix III parameters. The only significant trend identified in the upgradient wells was a statistically significant decreasing trend for sulfate in well DGWA-71. All trends noted were relatively low in magnitude when compared to average concentrations; therefore, no adjustments were made to the data sets.

Appendix III – Determination of Spatial Variation

The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells, which assists in identifying the most appropriate statistical approach. Interwell tests, which compare downgradient well data to statistical limits constructed from pooled upgradient well data, are appropriate when average concentrations are similar across upgradient wells. Intrawell tests, which compare compliance data from a single well to screened historical data within the same well, are appropriate when upgradient wells exhibit spatial variation; when statistical limits constructed from upgradient wells are not representative of the current background data population; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter.

The ANOVA identified no variation among upgradient well data for fluoride, making this constituent eligible for interwell analyses. Variation was noted for boron, calcium, chloride, pH, sulfate, and TDS, which would indicate intrawell analyses may be most appropriate for these parameters. While data were further tested for intrawell eligibility during the screening, interwell methods will be used for all Appendix III constituents in accordance with Georgia EPD requirements.

Statistical Analysis of Appendix III Parameters – September 2023

Interwell Prediction Limits

Interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical upgradient well data through September 2023 (Figure D). Background (upgradient) well data were reassessed for potential outliers during this analysis and no new values were flagged. Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. The September 2023 sample from each downgradient well is compared to the background limit to determine whether initial exceedances are present.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. When a resample confirms the initial exceedance, a statistically significant increase is identified, and further research would be required to identify the cause of the exceedance (i.e., impact from the site, natural variation, or an off-site source). If the resample falls within the statistical limit, the initial exceedance is considered to be a false positive result. Therefore, no exceedance is noted, and no further action is necessary. If no resample is collected, the original result is considered a confirmed exceedance. Several prediction limit exceedances were noted for Appendix III parameters. A summary table of the interwell prediction limits follows this letter.

Trend Test Evaluation – Appendix III

When prediction limit exceedances are identified in downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are statistically increasing, decreasing, or stable at the 99% confidence level (Figure E). Upgradient wells are included in the trend analyses for all parameters found to exceed their prediction limit in downgradient wells. Similar patterns that are present in both upgradient and downgradient wells are an indication of variability in groundwater quality unrelated to practices at the site. A summary of the trend test results follows this letter. Statistically significant trends were noted for the following well/constituent pairs:

Increasing trends

- Boron: DGWC-4, DGWC-11, and DGWC-17
- Calcium: DGWC-4, DGWC-5, DGWC-11, DGWC-19, DGWC-21, and DGWC-23
- Chloride: DGWC-71 (upgradient) and DGWC-20
- pH: DGWC-19
- Sulfate: DGWC-19
- TDS: DGWC-4, DGWC-5, DGWC-11, DGWC-17 and DGWC-19

Decreasing trends

- Boron: DGWA-53 (upgradient), DGWC-2, DGWC-8, DGWC-10, DGWC-12, DGWC-13, DGWC-19, DGWC-20, and DGWC-48
- Calcium: DGWA-53 (upgradient) and DGWC-48
- Chloride: DGWA-53 (upgradient), DGWC-4, DGWC-19, DGWC-21, DGWC-22, DGWC-23, and DGWC-42
- Fluoride: DGWC-47 and DGWC-48
- pH: DGWC-20, DGWC-42, and DGWC-47
- Sulfate: DGWA-71 (upgradient), DGWC-2, DGWC-8, DGWC-12, DGWC-13, DGWC-15, DGWC-20, DGWC-42, DGWC-47, and DGWC-48
- TDS: DGWA-53 (upgradient), DGWC-10, DGWC-12, DGWC-20, DGWC-22, and DGWC-48

Statistical Analysis of Appendix IV Parameters – September 2023

For Appendix IV parameters, confidence intervals for each downgradient and assessment well/constituent pair with four or more samples were compared against corresponding Groundwater Protection Standards (GWPS). GWPS were developed as described below. As mentioned above, downgradient and assessment well/constituent pairs that contain 100% non-detects do not require analysis. Data from upgradient wells for Appendix IV parameters are reassessed for outliers during each analysis prior to constructing statistical limits. No additional values were flagged during this analysis and a complete list of flagged outliers follows this report (Figure C).

Interwell Upper Tolerance Limits

Interwell upper tolerance limits were used to calculate site-specific background limits from all available pooled upgradient well data through September 2023 for Appendix IV constituents (Figure F). Parametric tolerance limits are used when data follow a normal or transformed-normal distribution such as for combined radium 226 + 228. When data contained greater than 50% non-detects or did not follow a normal or transformed-normal distribution, non-parametric tolerance limits were used.

Groundwater Protection Standards

The background limits were then used when determining the groundwater protection standard (GWPS) under 40 CFR §257.95(h) and Georgia EPD Rule 391-3-4-.10(6)(a). On July 30, 2018, US EPA revised the Federal CCR rule updating GWPS for cobalt, lead, lithium, and molybdenum as described above in 40 CFR §257.95(h)(2). Effective on February 22, 2022, Georgia EPD incorporated the updated GWPS into the current Georgia EPD Rules for Solid Waste Management 391-3-4-.10(6)(a). In accordance with the updated Rules, the GWPS is:

- The maximum contaminant level (MCL) established under §141.62 and §141.66 of this title
- Where an MCL has not been established for a constituent, Federal and State CCR Rules specify levels for cobalt (0.006 mg/L), lead (0.015 mg/L), lithium (0.040 mg/L), and molybdenum (0.100 mg/L)
- The respective background level for a constituent when the background level is higher than the MCL or Federal CCR Rule identified GWPS

Following Georgia EPD Rule requirements and the Federal CCR requirements, GWPS were established for statistical comparison of Appendix IV constituents for this sample event (Figure G).

Confidence Intervals

To complete the statistical comparison to GWPS, confidence intervals were constructed for each of the Appendix IV constituents in accordance with the state requirements in each downgradient well (Figure H). Note that confidence intervals require a minimum of 4 samples and, in many cases, the assessment wells had insufficient samples at this time.

The Sanitas software was used to calculate the tolerance limits and the confidence intervals. These intervals were constructed as either parametric or nonparametric confidence intervals depending on the data distribution and percentage of non-detects. When data followed a normal or transformed-normal distribution, parametric confidence intervals were used for Appendix IV parameters. The lower confidence limit, which is constructed with 99% confidence for parametric confidence intervals, is compared to the GWPS prepared as described above. 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 confidence level associated with nonparametric confidence intervals is dependent upon the number samples available.

Due to the sample size, the lower confidence limits resulted in negative numbers for some well/constituent pairs. Therefore, non-parametric confidence intervals, which are bound by reported high and low measurements within a given well, were constructed for these particular cases and may be found at the end of Figure H. This is a more conservative approach in that the lower confidence limit reflects the lowest reported measurement in the data set rather than a negative number.

Confidence intervals were compared to the GWPS prepared as described above. Only when the entire confidence interval is above a GWPS is the downgradient well/constituent pair considered to exceed its respective standard. If there is an exceedance of the GWPS, a statistically significant level (SSL) exceedance is identified. A summary of the confidence intervals follows this letter. Exceedances were noted for the following well/constituent pairs:

- Arsenic: DGWC-9
- Beryllium: DGWC-5, DGWC-9, DGWC-10, DGWC-47, DGWC-48, B-92, and B-93
- Cobalt: DGWC-9, DGWC-10, DGWC-19, DGWC-20, DGWC-47, DGWC-48, B-56, B-63, B-92, B-93, and B-104D
- Combined Radium 226 + 228: B-104D and B-111D
- Lithium: DGWC-47, DGWC-48, and B-120D

Trend Test Evaluation – Appendix IV

Data at wells with confidence interval exceedances are further evaluated using the Sen's Slope/Mann Kendall trend test at the 95% confidence level to determine whether concentrations are statistically increasing, decreasing, or stable (Figure I). Although the trend tests for Assessment monitoring pairs were previously evaluated using 99% confidence, the 95% confidence level more rapidly identifies statistically significant trends. Additionally, the 95% confidence is recommended in cases with limited sample sizes and, particularly, for new assessment wells. Upgradient wells are included in the trend analyses to identify whether similar patterns exist upgradient of the site for the same constituents. When trends are present in upgradient wells, it is an indication of variability in groundwater quality unrelated to practices at the site. A summary of the Appendix IV trend test results follows this letter. Statistically significant trends were identified for the following well/constituent pairs:

Increasing

- Beryllium: DGWC-5
- Cobalt: DGWA-71 (upgradient), DGWC-9, DGWC-20, and B-56

Decreasing

- Beryllium: DGWA-70A (upgradient), DGWC-47, and DGWC-48
- Cobalt: DGWA-53 (upgradient), DGWC-8, DGWC-10, DGWC-47, and DGWC-48
- Combined Radium 226 + 228: DGWA-53 (upgradient)
- Lithium: DGWA-71 (upgradient), DGWC-47, DGWC-48, and B-120D

Note that while the trend test identified statistically significant increasing trend for cobalt in upgradient well DGWA-71, the slope is displayed as zero which represents the median slopes of all the possible pairwise slopes. The zero median slopes result from the large number of non-detects in the record, and the positive test statistics result from a few trace values being recorded in the earlier part of the record.

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for McDonough AP-2,3,4. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Tristan Clark
Groundwater Analyst



Andrew Collins
Project Manager

100% Non-Detects: Appendix IV Downgradient & Assessment

Analysis Run 1/16/2024 2:15 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Antimony (mg/L)

B-107D, B-108D, B-122D, B-66, B-82, B-83, B-88, B-92, B-97, DGWC-11, DGWC-13, DGWC-22, DGWC-42, DGWC-9, B-125D

Arsenic (mg/L)

B-100, B-102D, B-106D, B-107D, B-108D, B-122D, B-66, B-88, B-98, DGWC-11, DGWC-13, DGWC-21, DGWC-23, B-125D

Beryllium (mg/L)

B-108D, B-111D, B-66, DGWC-14, DGWC-2

Cadmium (mg/L)

B-104D, B-107D, B-108D, B-111D, B-122D, B-62, B-77, DGWC-14, B-125D

Chromium (mg/L)

B-102D, B-107D, B-108D, B-111D, B-120D, B-122D, B-66, B-92, B-97, DGWC-14, B-125D

Cobalt (mg/L)

DGWC-14

Lead (mg/L)

B-106D, B-122D, B-62, B-66, B-92, B-97, B-98, DGWC-22

Mercury (mg/L)

B-102D, B-106D, B-120D, B-122D, B-62, B-63, B-77, B-83, B-97, B-98, DGWC-47, B-125D

Molybdenum (mg/L)

B-106D, B-107D, B-56, B-62, B-63, B-77, B-83, B-92, B-93, B-97, DGWC-10, DGWC-11, DGWC-12, DGWC-14, DGWC-15, DGWC-17, DGWC-19, DGWC-20, DGWC-21, DGWC-42, DGWC-47, DGWC-48, DGWC-5, DGWC-8, DGWC-9

Selenium (mg/L)

B-102D, B-106D, B-107D, B-122D, B-62, B-63, B-66, DGWC-11, DGWC-21, DGWC-23, DGWC-42, B-125D

Thallium (mg/L)

B-100, B-101D, B-102D, B-106D, B-107D, B-108D, B-111D, B-120D, B-122D, B-62, B-63, B-77, B-93, B-97, B-98, DGWC-11, DGWC-13, DGWC-15, DGWC-2, DGWC-21, DGWC-23, B-125D

Appendix III Interwell Prediction Limits - Significant Results

Plant McDonough Data: McDonough AP Printed 2/14/2024, 9:17 AM

| Constituent | Well | Upper Lim. | Lower Lim. | Date | Observ. | Sig. | Bg NBq Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|-----------------|---------|------------|------------|-----------|---------|------|-------------|-----------|-------|---------|-----------|-----------|-----------------------------|
| Boron (mg/L) | DGWC-10 | 0.13 | n/a | 9/11/2023 | 0.28 | Yes | 53 n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-11 | 0.13 | n/a | 9/8/2023 | 1.7 | Yes | 53 n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-12 | 0.13 | n/a | 9/11/2023 | 0.46 | Yes | 53 n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-13 | 0.13 | n/a | 9/8/2023 | 0.55 | Yes | 53 n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-15 | 0.13 | n/a | 9/8/2023 | 1.4 | Yes | 53 n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-17 | 0.13 | n/a | 9/13/2023 | 1 | Yes | 53 n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-19 | 0.13 | n/a | 9/8/2023 | 2.2 | Yes | 53 n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-2 | 0.13 | n/a | 9/13/2023 | 0.38 | Yes | 53 n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-20 | 0.13 | n/a | 9/11/2023 | 2.5 | Yes | 53 n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-21 | 0.13 | n/a | 9/11/2023 | 7.1 | Yes | 53 n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-22 | 0.13 | n/a | 9/11/2023 | 3.9 | Yes | 53 n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-23 | 0.13 | n/a | 9/11/2023 | 4.4 | Yes | 53 n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-4 | 0.13 | n/a | 9/13/2023 | 5.1 | Yes | 53 n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-42 | 0.13 | n/a | 9/13/2023 | 1.1 | Yes | 53 n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-48 | 0.13 | n/a | 9/13/2023 | 0.57 | Yes | 53 n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-5 | 0.13 | n/a | 9/13/2023 | 2.8 | Yes | 53 n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-8 | 0.13 | n/a | 9/12/2023 | 0.75 | Yes | 53 n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-10 | 40.3 | n/a | 9/11/2023 | 72.7 | Yes | 53 n/a | n/a | 3.774 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-11 | 40.3 | n/a | 9/8/2023 | 58.6 | Yes | 53 n/a | n/a | 3.774 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-19 | 40.3 | n/a | 9/8/2023 | 115 | Yes | 53 n/a | n/a | 3.774 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-20 | 40.3 | n/a | 9/11/2023 | 114 | Yes | 53 n/a | n/a | 3.774 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-21 | 40.3 | n/a | 9/11/2023 | 88.4 | Yes | 53 n/a | n/a | 3.774 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-22 | 40.3 | n/a | 9/11/2023 | 61.2 | Yes | 53 n/a | n/a | 3.774 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-23 | 40.3 | n/a | 9/11/2023 | 95.4 | Yes | 53 n/a | n/a | 3.774 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-4 | 40.3 | n/a | 9/13/2023 | 279 | Yes | 53 n/a | n/a | 3.774 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-48 | 40.3 | n/a | 9/13/2023 | 55 | Yes | 53 n/a | n/a | 3.774 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-5 | 40.3 | n/a | 9/13/2023 | 152 | Yes | 53 n/a | n/a | 3.774 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-10 | 8.2 | n/a | 9/11/2023 | 10.1 | Yes | 55 n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-11 | 8.2 | n/a | 9/8/2023 | 11.2 | Yes | 55 n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-13 | 8.2 | n/a | 9/8/2023 | 11.7 | Yes | 55 n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-15 | 8.2 | n/a | 9/8/2023 | 20 | Yes | 55 n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-17 | 8.2 | n/a | 9/13/2023 | 18.2 | Yes | 55 n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-19 | 8.2 | n/a | 9/8/2023 | 15.8 | Yes | 55 n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-20 | 8.2 | n/a | 9/11/2023 | 26.9 | Yes | 55 n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-21 | 8.2 | n/a | 9/11/2023 | 17.8 | Yes | 55 n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-22 | 8.2 | n/a | 9/11/2023 | 16.8 | Yes | 55 n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-23 | 8.2 | n/a | 9/11/2023 | 12 | Yes | 55 n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-4 | 8.2 | n/a | 9/13/2023 | 9.4 | Yes | 55 n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-42 | 8.2 | n/a | 9/13/2023 | 18.4 | Yes | 55 n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-5 | 8.2 | n/a | 9/13/2023 | 9.5 | Yes | 55 n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-8 | 8.2 | n/a | 9/12/2023 | 9.5 | Yes | 55 n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Fluoride (mg/L) | DGWC-10 | 0.42 | n/a | 9/11/2023 | 1.3 | Yes | 60 n/a | n/a | 48.33 | n/a | n/a | 0.0005055 | NP Inter (normality) 1 of 2 |
| Fluoride (mg/L) | DGWC-20 | 0.42 | n/a | 9/11/2023 | 1.5 | Yes | 60 n/a | n/a | 48.33 | n/a | n/a | 0.0005055 | NP Inter (normality) 1 of 2 |
| Fluoride (mg/L) | DGWC-47 | 0.42 | n/a | 9/12/2023 | 0.51 | Yes | 60 n/a | n/a | 48.33 | n/a | n/a | 0.0005055 | NP Inter (normality) 1 of 2 |
| Fluoride (mg/L) | DGWC-48 | 0.42 | n/a | 9/13/2023 | 0.51 | Yes | 60 n/a | n/a | 48.33 | n/a | n/a | 0.0005055 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-10 | 6.69 | 5.43 | 9/11/2023 | 4.56 | Yes | 62 n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-17 | 6.69 | 5.43 | 9/13/2023 | 5.04 | Yes | 62 n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-19 | 6.69 | 5.43 | 9/8/2023 | 4.78 | Yes | 62 n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-20 | 6.69 | 5.43 | 9/11/2023 | 4.06 | Yes | 62 n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-42 | 6.69 | 5.43 | 9/12/2023 | 5.04 | Yes | 62 n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-47 | 6.69 | 5.43 | 9/12/2023 | 3.99 | Yes | 62 n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-48 | 6.69 | 5.43 | 9/13/2023 | 4.06 | Yes | 62 n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-5 | 6.69 | 5.43 | 9/13/2023 | 4.74 | Yes | 62 n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-8 | 6.69 | 5.43 | 9/12/2023 | 5.02 | Yes | 62 n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-10 | 49 | n/a | 9/11/2023 | 258 | Yes | 55 n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-11 | 49 | n/a | 9/8/2023 | 256 | Yes | 55 n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-12 | 49 | n/a | 9/11/2023 | 132 | Yes | 55 n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-13 | 49 | n/a | 9/8/2023 | 98.7 | Yes | 55 n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-15 | 49 | n/a | 9/8/2023 | 126 | Yes | 55 n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-17 | 49 | n/a | 9/13/2023 | 255 | Yes | 55 n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-19 | 49 | n/a | 9/8/2023 | 369 | Yes | 55 n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-2 | 49 | n/a | 9/13/2023 | 95.5 | Yes | 55 n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-20 | 49 | n/a | 9/11/2023 | 552 | Yes | 55 n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-21 | 49 | n/a | 9/11/2023 | 268 | Yes | 55 n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-22 | 49 | n/a | 9/11/2023 | 236 | Yes | 55 n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-23 | 49 | n/a | 9/11/2023 | 275 | Yes | 55 n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-4 | 49 | n/a | 9/13/2023 | 852 | Yes | 55 n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-42 | 49 | n/a | 9/13/2023 | 294 | Yes | 55 n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |

Appendix III Interwell Prediction Limits - Significant Results

Plant McDonough Data: McDonough AP Printed 2/14/2024, 9:17 AM

| Constituent | Well | Upper Lim. | Lower Lim. | Date | Observ. | Sig. | Bg | NB | Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|-------------------------------------|---------|------------|------------|-----------|---------|------|----|-------|-------|-----------|------|---------|-----------|--------------------|-----------------------------|
| Sulfate (mg/L) | DGWC-47 | 49 | n/a | 9/12/2023 | 119 | Yes | 55 | n/a | n/a | 16.36 | n/a | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-48 | 49 | n/a | 9/13/2023 | 268 | Yes | 55 | n/a | n/a | 16.36 | n/a | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-5 | 49 | n/a | 9/13/2023 | 576 | Yes | 55 | n/a | n/a | 16.36 | n/a | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-8 | 49 | n/a | 9/12/2023 | 134 | Yes | 55 | n/a | n/a | 16.36 | n/a | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-10 | 262.4 | n/a | 9/11/2023 | 436 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-11 | 262.4 | n/a | 9/8/2023 | 451 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-12 | 262.4 | n/a | 9/11/2023 | 302 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-15 | 262.4 | n/a | 9/8/2023 | 274 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-17 | 262.4 | n/a | 9/13/2023 | 480 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-19 | 262.4 | n/a | 9/8/2023 | 634 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-20 | 262.4 | n/a | 9/11/2023 | 960 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-21 | 262.4 | n/a | 9/11/2023 | 519 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-22 | 262.4 | n/a | 9/11/2023 | 460 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-23 | 262.4 | n/a | 9/11/2023 | 582 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-4 | 262.4 | n/a | 9/13/2023 | 1520 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-42 | 262.4 | n/a | 9/13/2023 | 545 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-48 | 262.4 | n/a | 9/13/2023 | 473 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-5 | 262.4 | n/a | 9/13/2023 | 1020 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |

Appendix III Interwell Prediction Limits - All Results

Plant McDonough Data: McDonough AP Printed 2/14/2024, 9:17 AM

| Constituent | Well | Upper Lim. | Lower Lim. | Date | Obsrv. | Sig. | Bg | NBg | Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|------------------------|----------------|-------------|------------|------------------|-------------|------------|-----------|------------|------------|--------------|------------|------------|------------|------------------|------------------------------------|
| Boron (mg/L) | DGWC-10 | 0.13 | n/a | 9/11/2023 | 0.28 | Yes | 53 | n/a | n/a | 24.53 | n/a | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-11 | 0.13 | n/a | 9/8/2023 | 1.7 | Yes | 53 | n/a | n/a | 24.53 | n/a | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-12 | 0.13 | n/a | 9/11/2023 | 0.46 | Yes | 53 | n/a | n/a | 24.53 | n/a | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-13 | 0.13 | n/a | 9/8/2023 | 0.55 | Yes | 53 | n/a | n/a | 24.53 | n/a | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-14 | 0.13 | n/a | 9/8/2023 | 0.11 | No | 53 | n/a | n/a | 24.53 | n/a | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-15 | 0.13 | n/a | 9/8/2023 | 1.4 | Yes | 53 | n/a | n/a | 24.53 | n/a | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-17 | 0.13 | n/a | 9/13/2023 | 1 | Yes | 53 | n/a | n/a | 24.53 | n/a | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-19 | 0.13 | n/a | 9/8/2023 | 2.2 | Yes | 53 | n/a | n/a | 24.53 | n/a | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-2 | 0.13 | n/a | 9/13/2023 | 0.38 | Yes | 53 | n/a | n/a | 24.53 | n/a | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-20 | 0.13 | n/a | 9/11/2023 | 2.5 | Yes | 53 | n/a | n/a | 24.53 | n/a | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-21 | 0.13 | n/a | 9/11/2023 | 7.1 | Yes | 53 | n/a | n/a | 24.53 | n/a | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-22 | 0.13 | n/a | 9/11/2023 | 3.9 | Yes | 53 | n/a | n/a | 24.53 | n/a | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-23 | 0.13 | n/a | 9/11/2023 | 4.4 | Yes | 53 | n/a | n/a | 24.53 | n/a | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-4 | 0.13 | n/a | 9/13/2023 | 5.1 | Yes | 53 | n/a | n/a | 24.53 | n/a | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-42 | 0.13 | n/a | 9/13/2023 | 1.1 | Yes | 53 | n/a | n/a | 24.53 | n/a | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-47 | 0.13 | n/a | 9/12/2023 | 0.1 | No | 53 | n/a | n/a | 24.53 | n/a | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-48 | 0.13 | n/a | 9/13/2023 | 0.57 | Yes | 53 | n/a | n/a | 24.53 | n/a | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-5 | 0.13 | n/a | 9/13/2023 | 2.8 | Yes | 53 | n/a | n/a | 24.53 | n/a | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-8 | 0.13 | n/a | 9/12/2023 | 0.75 | Yes | 53 | n/a | n/a | 24.53 | n/a | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-10 | 40.3 | n/a | 9/11/2023 | 72.7 | Yes | 53 | n/a | n/a | 3.774 | n/a | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-11 | 40.3 | n/a | 9/8/2023 | 58.6 | Yes | 53 | n/a | n/a | 3.774 | n/a | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-12 | 40.3 | n/a | 9/11/2023 | 30.8 | No | 53 | n/a | n/a | 3.774 | n/a | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-13 | 40.3 | n/a | 9/8/2023 | 32.7 | No | 53 | n/a | n/a | 3.774 | n/a | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-14 | 40.3 | n/a | 9/8/2023 | 12 | No | 53 | n/a | n/a | 3.774 | n/a | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-15 | 40.3 | n/a | 9/8/2023 | 34.3 | No | 53 | n/a | n/a | 3.774 | n/a | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-17 | 40.3 | n/a | 9/13/2023 | 19.8 | No | 53 | n/a | n/a | 3.774 | n/a | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-19 | 40.3 | n/a | 9/8/2023 | 115 | Yes | 53 | n/a | n/a | 3.774 | n/a | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-2 | 40.3 | n/a | 9/13/2023 | 33.6 | No | 53 | n/a | n/a | 3.774 | n/a | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-20 | 40.3 | n/a | 9/11/2023 | 114 | Yes | 53 | n/a | n/a | 3.774 | n/a | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-21 | 40.3 | n/a | 9/11/2023 | 88.4 | Yes | 53 | n/a | n/a | 3.774 | n/a | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-22 | 40.3 | n/a | 9/11/2023 | 61.2 | Yes | 53 | n/a | n/a | 3.774 | n/a | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-23 | 40.3 | n/a | 9/11/2023 | 95.4 | Yes | 53 | n/a | n/a | 3.774 | n/a | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-4 | 40.3 | n/a | 9/13/2023 | 279 | Yes | 53 | n/a | n/a | 3.774 | n/a | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-42 | 40.3 | n/a | 9/13/2023 | 33.6 | No | 53 | n/a | n/a | 3.774 | n/a | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-47 | 40.3 | n/a | 9/12/2023 | 21.9 | No | 53 | n/a | n/a | 3.774 | n/a | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-48 | 40.3 | n/a | 9/13/2023 | 55 | Yes | 53 | n/a | n/a | 3.774 | n/a | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-5 | 40.3 | n/a | 9/13/2023 | 152 | Yes | 53 | n/a | n/a | 3.774 | n/a | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-8 | 40.3 | n/a | 9/12/2023 | 30 | No | 53 | n/a | n/a | 3.774 | n/a | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-10 | 8.2 | n/a | 9/11/2023 | 10.1 | Yes | 55 | n/a | n/a | 0 | n/a | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-11 | 8.2 | n/a | 9/8/2023 | 11.2 | Yes | 55 | n/a | n/a | 0 | n/a | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-12 | 8.2 | n/a | 9/11/2023 | 6.5 | No | 55 | n/a | n/a | 0 | n/a | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-13 | 8.2 | n/a | 9/8/2023 | 11.7 | Yes | 55 | n/a | n/a | 0 | n/a | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-14 | 8.2 | n/a | 9/8/2023 | 3.5 | No | 55 | n/a | n/a | 0 | n/a | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-15 | 8.2 | n/a | 9/8/2023 | 20 | Yes | 55 | n/a | n/a | 0 | n/a | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-17 | 8.2 | n/a | 9/13/2023 | 18.2 | Yes | 55 | n/a | n/a | 0 | n/a | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-19 | 8.2 | n/a | 9/8/2023 | 15.8 | Yes | 55 | n/a | n/a | 0 | n/a | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-2 | 8.2 | n/a | 9/13/2023 | 1.9 | No | 55 | n/a | n/a | 0 | n/a | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-20 | 8.2 | n/a | 9/11/2023 | 26.9 | Yes | 55 | n/a | n/a | 0 | n/a | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-21 | 8.2 | n/a | 9/11/2023 | 17.8 | Yes | 55 | n/a | n/a | 0 | n/a | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-22 | 8.2 | n/a | 9/11/2023 | 16.8 | Yes | 55 | n/a | n/a | 0 | n/a | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-23 | 8.2 | n/a | 9/11/2023 | 12 | Yes | 55 | n/a | n/a | 0 | n/a | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-4 | 8.2 | n/a | 9/13/2023 | 9.4 | Yes | 55 | n/a | n/a | 0 | n/a | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-42 | 8.2 | n/a | 9/13/2023 | 18.4 | Yes | 55 | n/a | n/a | 0 | n/a | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-47 | 8.2 | n/a | 9/12/2023 | 2.4 | No | 55 | n/a | n/a | 0 | n/a | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-48 | 8.2 | n/a | 9/13/2023 | 6.5 | No | 55 | n/a | n/a | 0 | n/a | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-5 | 8.2 | n/a | 9/13/2023 | 9.5 | Yes | 55 | n/a | n/a | 0 | n/a | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-8 | 8.2 | n/a | 9/12/2023 | 9.5 | Yes | 55 | n/a | n/a | 0 | n/a | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Fluoride (mg/L) | DGWC-10 | 0.42 | n/a | 9/11/2023 | 1.3 | Yes | 60 | n/a | n/a | 48.33 | n/a | n/a | n/a | 0.0005055 | NP Inter (normality) 1 of 2 |
| Fluoride (mg/L) | DGWC-11 | 0.42 | n/a | 9/8/2023 | 0.1ND | No | 60 | n/a | n/a | 48.33 | n/a | n/a | n/a | 0.0005055 | NP Inter (normality) 1 of 2 |
| Fluoride (mg/L) | DGWC-12 | 0.42 | n/a | 9/11/2023 | 0.13 | No | 60 | n/a | n/a | 48.33 | n/a | n/a | n/a | 0.0005055 | NP Inter (normality) 1 of 2 |
| Fluoride (mg/L) | DGWC-13 | 0.42 | n/a | 9/8/2023 | 0.055J | No | 60 | n/a | n/a | 48.33 | n/a | n/a | n/a | 0.0005055 | NP Inter (normality) 1 of 2 |
| Fluoride (mg/L) | DGWC-14 | | | | | | | | | | | | | | |

Appendix III Interwell Prediction Limits - All Results

Plant McDonough Data: McDonough AP Printed 2/14/2024, 9:17 AM

| Constituent | Well | Upper Lim. | Lower Lim. | Date | Observ. | Sig. | Bg | Nbg | Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|--|----------------|--------------|-------------|------------------|-------------|------------|-----------|--------------|--------------|------------|--------------|----------------|------------------|---------------------------|------------------------------------|
| Fluoride (mg/L) | DGWC-22 | 0.42 | n/a | 9/11/2023 | 0.054J | No | 60 | n/a | n/a | n/a | 48.33 | n/a | n/a | 0.0005055 | NP Inter (normality) 1 of 2 |
| Fluoride (mg/L) | DGWC-23 | 0.42 | n/a | 9/11/2023 | 0.1 | No | 60 | n/a | n/a | n/a | 48.33 | n/a | n/a | 0.0005055 | NP Inter (normality) 1 of 2 |
| Fluoride (mg/L) | DGWC-4 | 0.42 | n/a | 9/13/2023 | 0.1ND | No | 60 | n/a | n/a | n/a | 48.33 | n/a | n/a | 0.0005055 | NP Inter (normality) 1 of 2 |
| Fluoride (mg/L) | DGWC-42 | 0.42 | n/a | 9/13/2023 | 0.1ND | No | 60 | n/a | n/a | n/a | 48.33 | n/a | n/a | 0.0005055 | NP Inter (normality) 1 of 2 |
| Fluoride (mg/L) | DGWC-47 | 0.42 | n/a | 9/12/2023 | 0.51 | Yes | 60 | n/a | n/a | n/a | 48.33 | n/a | n/a | 0.0005055 | NP Inter (normality) 1 of 2 |
| Fluoride (mg/L) | DGWC-48 | 0.42 | n/a | 9/13/2023 | 0.51 | Yes | 60 | n/a | n/a | n/a | 48.33 | n/a | n/a | 0.0005055 | NP Inter (normality) 1 of 2 |
| Fluoride (mg/L) | DGWC-5 | 0.42 | n/a | 9/13/2023 | 0.14 | No | 60 | n/a | n/a | n/a | 48.33 | n/a | n/a | 0.0005055 | NP Inter (normality) 1 of 2 |
| Fluoride (mg/L) | DGWC-8 | 0.42 | n/a | 9/12/2023 | 0.091J | No | 60 | n/a | n/a | n/a | 48.33 | n/a | n/a | 0.0005055 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-10 | 6.69 | 5.43 | 9/11/2023 | 4.56 | Yes | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-11 | 6.69 | 5.43 | 9/8/2023 | 5.44 | No | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-12 | 6.69 | 5.43 | 9/11/2023 | 6.1 | No | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-13 | 6.69 | 5.43 | 9/8/2023 | 5.59 | No | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-14 | 6.69 | 5.43 | 9/8/2023 | 5.67 | No | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-15 | 6.69 | 5.43 | 9/8/2023 | 5.81 | No | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-17 | 6.69 | 5.43 | 9/13/2023 | 5.04 | Yes | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-19 | 6.69 | 5.43 | 9/8/2023 | 4.78 | Yes | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-2 | 6.69 | 5.43 | 9/13/2023 | 6.06 | No | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-20 | 6.69 | 5.43 | 9/11/2023 | 4.06 | Yes | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-21 | 6.69 | 5.43 | 9/11/2023 | 5.61 | No | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-22 | 6.69 | 5.43 | 9/11/2023 | 5.57 | No | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-23 | 6.69 | 5.43 | 9/11/2023 | 5.99 | No | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-4 | 6.69 | 5.43 | 9/13/2023 | 5.64 | No | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-42 | 6.69 | 5.43 | 9/12/2023 | 5.04 | Yes | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-47 | 6.69 | 5.43 | 9/12/2023 | 3.99 | Yes | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-48 | 6.69 | 5.43 | 9/13/2023 | 4.06 | Yes | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-5 | 6.69 | 5.43 | 9/13/2023 | 4.74 | Yes | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-8 | 6.69 | 5.43 | 9/12/2023 | 5.02 | Yes | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-10 | 49 | n/a | 9/11/2023 | 258 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-11 | 49 | n/a | 9/8/2023 | 256 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-12 | 49 | n/a | 9/11/2023 | 132 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-13 | 49 | n/a | 9/8/2023 | 98.7 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-14 | 49 | n/a | 9/8/2023 | 43.1 | No | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-15 | 49 | n/a | 9/8/2023 | 126 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-17 | 49 | n/a | 9/13/2023 | 255 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-19 | 49 | n/a | 9/8/2023 | 369 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-2 | 49 | n/a | 9/13/2023 | 95.5 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-20 | 49 | n/a | 9/11/2023 | 552 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-21 | 49 | n/a | 9/11/2023 | 268 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-22 | 49 | n/a | 9/11/2023 | 236 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-23 | 49 | n/a | 9/11/2023 | 275 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-4 | 49 | n/a | 9/13/2023 | 852 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-42 | 49 | n/a | 9/13/2023 | 294 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-47 | 49 | n/a | 9/12/2023 | 119 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-48 | 49 | n/a | 9/13/2023 | 268 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-5 | 49 | n/a | 9/13/2023 | 576 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-8 | 49 | n/a | 9/12/2023 | 134 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-10 | 262.4 | n/a | 9/11/2023 | 436 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-11 | 262.4 | n/a | 9/8/2023 | 451 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-12 | 262.4 | n/a | 9/11/2023 | 302 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-13 | 262.4 | n/a | 9/8/2023 | 217 | No | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-14 | 262.4 | n/a | 9/8/2023 | 156 | No | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-15 | 262.4 | n/a | 9/8/2023 | 274 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-17 | 262.4 | n/a | 9/13/2023 | 480 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-19 | 262.4 | n/a | 9/8/2023 | 634 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-2 | 262.4 | n/a | 9/13/2023 | 212 | No | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-20 | 262.4 | n/a | 9/11/2023 | 960 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-21 | 262.4 | n/a | 9/11/2023 | 519 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-22 | 262.4 | n/a | 9/11/2023 | 460 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-23 | 262.4 | n/a | 9/11/2023 | 582 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-4 | 262.4 | n/a | 9/13/2023 | 1520 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-42 | 262.4 | n/a | 9/13/2023 | 545 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-47 | 262.4 | n/a | 9/12/2023 | 218 | No | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-48 | 262.4 | n/a | 9/13/2023 | 473 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-5 | 262.4 | n/a | 9/13/2023 | 1020 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-8 | 262.4 | n/a | 9/12/2023 | 251 | No | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |

Appendix III Trend Tests - Significant Results

Plant McDonough Data: McDonough AP Printed 2/14/2024, 9:24 AM

| Constituent | Well | Slope | Calc. | Critical | Sig. | N | %NDs | Normality | Alpha | Method |
|-------------------------------------|--------------|-----------|-------|----------|------|----|------|-----------|-------|--------|
| Boron (mg/L) | DGWA-53 (bg) | -0.003815 | -70 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-10 | -0.5759 | -110 | -63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-11 | 0.09451 | 112 | 63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-12 | -1.276 | -124 | -74 | Yes | 19 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-13 | -0.05186 | -72 | -63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-17 | 0.03666 | 81 | 68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-19 | -0.1622 | -91 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-2 | -0.1753 | -146 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-20 | -0.6233 | -117 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-4 | 0.221 | 85 | 63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-48 | -0.05724 | -114 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-8 | -0.3198 | -121 | -63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWA-53 (bg) | -3.489 | -105 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWC-11 | 3.104 | 76 | 63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWC-19 | 6.413 | 134 | 68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWC-21 | 2.023 | 93 | 68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWC-23 | 3.033 | 92 | 68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWC-4 | 13.75 | 78 | 63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWC-48 | -6.589 | -131 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWC-5 | 7.884 | 96 | 63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWA-53 (bg) | -0.1444 | -106 | -74 | Yes | 19 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWA-71 (bg) | 0.6112 | 69 | 68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-19 | -3.845 | -131 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-20 | 2.004 | 124 | 68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-21 | -0.9359 | -119 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-22 | -2.053 | -126 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-23 | -0.7935 | -125 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-4 | -3.234 | -147 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-42 | -2.693 | -125 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Fluoride (mg/L) | DGWC-47 | -0.1218 | -108 | -81 | Yes | 20 | 0 | n/a | 0.01 | NP |
| Fluoride (mg/L) | DGWC-48 | -0.143 | -106 | -81 | Yes | 20 | 0 | n/a | 0.01 | NP |
| pH, Field (SU) | DGWC-19 | 0.03073 | 83 | 81 | Yes | 20 | 0 | n/a | 0.01 | NP |
| pH, Field (SU) | DGWC-20 | -0.03796 | -90 | -74 | Yes | 19 | 0 | n/a | 0.01 | NP |
| pH, Field (SU) | DGWC-42 | -0.03328 | -82 | -81 | Yes | 20 | 0 | n/a | 0.01 | NP |
| pH, Field (SU) | DGWC-47 | -0.1547 | -93 | -81 | Yes | 20 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWA-71 (bg) | -0.7648 | -99 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-12 | -39.62 | -98 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-13 | -10.7 | -78 | -63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-15 | -8.111 | -113 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-19 | 18.84 | 104 | 68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-2 | -36.13 | -145 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-20 | -34.76 | -81 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-42 | -11.69 | -86 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-47 | -36.55 | -118 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-48 | -44.14 | -128 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-8 | -59.54 | -125 | -63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWA-53 (bg) | -19.82 | -110 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-10 | -28.26 | -75 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-11 | 20.89 | 82 | 63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-12 | -53.95 | -104 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-17 | 10.64 | 71 | 68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-19 | 33.89 | 108 | 68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-20 | -46.69 | -75 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-22 | -6 | -70 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-4 | 66.91 | 92 | 68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-48 | -52.69 | -132 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-5 | 48.86 | 112 | 63 | Yes | 17 | 0 | n/a | 0.01 | NP |

Appendix III Trend Tests - All Results

Plant McDonough Data: McDonough AP Printed 2/14/2024, 9:24 AM

| Constituent | Well | Slope | Calc. | Critical | Sig. | N | %NDs | Normality | Alpha | Method |
|------------------------|---------------------|------------------|-------------|------------|------------|-----------|----------|------------|-------------|-----------|
| Boron (mg/L) | DGWA-53 (bg) | -0.003815 | -70 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWA-70A (bg) | 0 | 12 | 68 | No | 18 | 50 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWA-71 (bg) | 0.0006045 | 25 | 63 | No | 17 | 23.53 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-10 | -0.5759 | -110 | -63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-11 | 0.09451 | 112 | 63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-12 | -1.276 | -124 | -74 | Yes | 19 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-13 | -0.05186 | -72 | -63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-15 | 0 | -5 | -68 | No | 18 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-17 | 0.03666 | 81 | 68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-19 | -0.1622 | -91 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-2 | -0.1753 | -146 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-20 | -0.6233 | -117 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-21 | 0.1999 | 41 | 68 | No | 18 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-22 | 0.02707 | 12 | 68 | No | 18 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-23 | 0.05045 | 26 | 68 | No | 18 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-4 | 0.221 | 85 | 63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-42 | 0 | -3 | -68 | No | 18 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-48 | -0.05724 | -114 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-5 | -0.2186 | -39 | -63 | No | 17 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-8 | -0.3198 | -121 | -63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWA-53 (bg) | -3.489 | -105 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWA-70A (bg) | 0.04315 | 15 | 68 | No | 18 | 5.556 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWA-71 (bg) | -0.2966 | -37 | -63 | No | 17 | 5.882 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWC-10 | -2.19 | -50 | -63 | No | 17 | 0 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWC-11 | 3.104 | 76 | 63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWC-19 | 6.413 | 134 | 68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWC-20 | -2.43 | -9 | -68 | No | 18 | 0 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWC-21 | 2.023 | 93 | 68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWC-22 | -0.1226 | -6 | -68 | No | 18 | 0 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWC-23 | 3.033 | 92 | 68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWC-4 | 13.75 | 78 | 63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWC-48 | -6.589 | -131 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWC-5 | 7.884 | 96 | 63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWA-53 (bg) | -0.1444 | -106 | -74 | Yes | 19 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWA-70A (bg) | -0.03406 | -39 | -68 | No | 18 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWA-71 (bg) | 0.6112 | 69 | 68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-10 | -0.3698 | -50 | -68 | No | 18 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-11 | 0.1938 | 27 | 63 | No | 17 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-13 | -0.371 | -36 | -63 | No | 17 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-15 | 0.2322 | 51 | 68 | No | 18 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-17 | 0.04704 | 10 | 68 | No | 18 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-19 | -3.845 | -131 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-20 | 2.004 | 124 | 68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-21 | -0.9359 | -119 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-22 | -2.053 | -126 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-23 | -0.7935 | -125 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-4 | -3.234 | -147 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-42 | -2.693 | -125 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-5 | 0.2165 | 53 | 63 | No | 17 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-8 | -0.1733 | -55 | -63 | No | 17 | 0 | n/a | 0.01 | NP |
| Fluoride (mg/L) | DGWA-53 (bg) | -0.002688 | -18 | -87 | No | 21 | 9.524 | n/a | 0.01 | NP |
| Fluoride (mg/L) | DGWA-70A (bg) | 0 | 45 | 74 | No | 19 | 63.16 | n/a | 0.01 | NP |
| Fluoride (mg/L) | DGWA-71 (bg) | 0 | 13 | 81 | No | 20 | 75 | n/a | 0.01 | NP |
| Fluoride (mg/L) | DGWC-10 | -0.02603 | -18 | -81 | No | 20 | 0 | n/a | 0.01 | NP |
| Fluoride (mg/L) | DGWC-20 | 0.07002 | 52 | 81 | No | 20 | 5 | n/a | 0.01 | NP |
| Fluoride (mg/L) | DGWC-47 | -0.1218 | -108 | -81 | Yes | 20 | 0 | n/a | 0.01 | NP |
| Fluoride (mg/L) | DGWC-48 | -0.143 | -106 | -81 | Yes | 20 | 0 | n/a | 0.01 | NP |
| pH, Field (SU) | DGWA-53 (bg) | 0.02783 | 39 | 87 | No | 21 | 0 | n/a | 0.01 | NP |
| pH, Field (SU) | DGWA-70A (bg) | -0.02199 | -46 | -81 | No | 20 | 0 | n/a | 0.01 | NP |
| pH, Field (SU) | DGWA-71 (bg) | 0.004559 | 10 | 87 | No | 21 | 0 | n/a | 0.01 | NP |
| pH, Field (SU) | DGWC-10 | -0.007748 | -14 | -87 | No | 21 | 0 | n/a | 0.01 | NP |
| pH, Field (SU) | DGWC-17 | 0 | 1 | 87 | No | 21 | 0 | n/a | 0.01 | NP |
| pH, Field (SU) | DGWC-19 | 0.03073 | 83 | 81 | Yes | 20 | 0 | n/a | 0.01 | NP |
| pH, Field (SU) | DGWC-20 | -0.03796 | -90 | -74 | Yes | 19 | 0 | n/a | 0.01 | NP |
| pH, Field (SU) | DGWC-42 | -0.03328 | -82 | -81 | Yes | 20 | 0 | n/a | 0.01 | NP |
| pH, Field (SU) | DGWC-47 | -0.1547 | -93 | -81 | Yes | 20 | 0 | n/a | 0.01 | NP |
| pH, Field (SU) | DGWC-48 | -0.03517 | -68 | -81 | No | 20 | 0 | n/a | 0.01 | NP |
| pH, Field (SU) | DGWC-5 | 0.05723 | 76 | 81 | No | 20 | 0 | n/a | 0.01 | NP |

Appendix III Trend Tests - All Results

Plant McDonough Data: McDonough AP Printed 2/14/2024, 9:24 AM

| Constituent | Well | Slope | Calc. | Critical | Sig. | N | %NDs | Normality | Alpha | Method |
|--|---------------------|----------------|-------------|------------|------------|-----------|----------|------------|-------------|-----------|
| pH, Field (SU) | DGWC-8 | -0.007763 | -16 | -81 | No | 20 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWA-53 (bg) | -0.3271 | -19 | -74 | No | 19 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWA-70A (bg) | 0 | -25 | -68 | No | 18 | 50 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWA-71 (bg) | -0.7648 | -99 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-10 | -24.62 | -68 | -68 | No | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-11 | 10.22 | 58 | 63 | No | 17 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-12 | -39.62 | -98 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-13 | -10.7 | -78 | -63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-15 | -8.111 | -113 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-17 | 1.585 | 21 | 68 | No | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-19 | 18.84 | 104 | 68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-2 | -36.13 | -145 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-20 | -34.76 | -81 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-21 | -4.246 | -62 | -68 | No | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-22 | -6.334 | -36 | -68 | No | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-23 | 2.55 | 37 | 68 | No | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-4 | 23.78 | 61 | 68 | No | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-42 | -11.69 | -86 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-47 | -36.55 | -118 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-48 | -44.14 | -128 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-5 | 11.49 | 36 | 63 | No | 17 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-8 | -59.54 | -125 | -63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWA-53 (bg) | -19.82 | -110 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWA-70A (bg) | 0 | 0 | 68 | No | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWA-71 (bg) | -1.946 | -37 | -68 | No | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-10 | -28.26 | -75 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-11 | 20.89 | 82 | 63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-12 | -53.95 | -104 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-15 | -2.912 | -28 | -63 | No | 17 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-17 | 10.64 | 71 | 68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-19 | 33.89 | 108 | 68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-20 | -46.69 | -75 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-21 | 1.49 | 11 | 68 | No | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-22 | -6 | -70 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-23 | 9.626 | 54 | 68 | No | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-4 | 66.91 | 92 | 68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-42 | -17.14 | -56 | -68 | No | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-48 | -52.69 | -132 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-5 | 48.86 | 112 | 63 | Yes | 17 | 0 | n/a | 0.01 | NP |

Upper Tolerance Limit Summary Table

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/21/2023, 5:13 PM

| Constituent | Upper Lim. | Date | Observ. | Sig. | Bg.N | %NDs | ND Adj. | Transform | Alpha | Method |
|-----------------------------------|------------|------|---------|------|------|-------|---------|-----------|---------|---------------------|
| Antimony (mg/L) | 0.0045 | n/a | n/a | n/a | 56 | 82.14 | n/a | n/a | 0.05656 | NP Inter(NDs) |
| Arsenic (mg/L) | 0.0054 | n/a | n/a | n/a | 56 | 75 | n/a | n/a | 0.05656 | NP Inter(NDs) |
| Barium (mg/L) | 0.19 | n/a | n/a | n/a | 56 | 0 | n/a | n/a | 0.05656 | NP Inter(normality) |
| Beryllium (mg/L) | 0.0009 | n/a | n/a | n/a | 57 | 54.39 | n/a | n/a | 0.05373 | NP Inter(NDs) |
| Cadmium (mg/L) | 0.0005 | n/a | n/a | n/a | 56 | 92.86 | n/a | n/a | 0.05656 | NP Inter(NDs) |
| Chromium (mg/L) | 0.005 | n/a | n/a | n/a | 55 | 69.09 | n/a | n/a | 0.05954 | NP Inter(NDs) |
| Cobalt (mg/L) | 0.0322 | n/a | n/a | n/a | 56 | 42.86 | n/a | n/a | 0.05656 | NP Inter(normality) |
| Combined Radium 226 + 228 (pCi/L) | 4.866 | n/a | n/a | n/a | 58 | 0 | None | x^(1/3) | 0.05 | Inter |
| Fluoride (mg/L) | 0.42 | n/a | n/a | n/a | 60 | 48.33 | n/a | n/a | 0.04607 | NP Inter(normality) |
| Lead (mg/L) | 0.001 | n/a | n/a | n/a | 56 | 83.93 | n/a | n/a | 0.05656 | NP Inter(NDs) |
| Lithium (mg/L) | 0.03 | n/a | n/a | n/a | 56 | 35.71 | n/a | n/a | 0.05656 | NP Inter(normality) |
| Mercury (mg/L) | 0.0002 | n/a | n/a | n/a | 56 | 85.71 | n/a | n/a | 0.05656 | NP Inter(NDs) |
| Molybdenum (mg/L) | 0.0409 | n/a | n/a | n/a | 56 | 64.29 | n/a | n/a | 0.05656 | NP Inter(NDs) |
| Selenium (mg/L) | 0.005 | n/a | n/a | n/a | 56 | 100 | n/a | n/a | 0.05656 | NP Inter(NDs) |
| Thallium (mg/L) | 0.001 | n/a | n/a | n/a | 56 | 94.64 | n/a | n/a | 0.05656 | NP Inter(NDs) |

| PLANT MCDONOUGH ASH POND 2, 3, 4 GWPS TABLE | | | | |
|--|------------|---------------------------|-------------------------|-------------|
| Constituent Name | MCL | CCR-Rule Specified | Background Limit | GWPS |
| Antimony, Total (mg/L) | 0.006 | | 0.0045 | 0.006 |
| Arsenic, Total (mg/L) | 0.01 | | 0.0054 | 0.01 |
| Barium, Total (mg/L) | 2 | | 0.19 | 2 |
| Beryllium, Total (mg/L) | 0.004 | | 0.0009 | 0.004 |
| Cadmium, Total (mg/L) | 0.005 | | 0.0005 | 0.005 |
| Chromium, Total (mg/L) | 0.1 | | 0.005 | 0.1 |
| Cobalt, Total (mg/L) | | 0.006 | 0.032 | 0.032 |
| Combined Radium, Total (pCi/L) | 5 | | 4.87 | 5 |
| Fluoride, Total (mg/L) | 4 | | 0.42 | 4 |
| Lead, Total (mg/L) | | 0.015 | 0.001 | 0.015 |
| Lithium, Total (mg/L) | | 0.04 | 0.03 | 0.04 |
| Mercury, Total (mg/L) | 0.002 | | 0.0002 | 0.002 |
| Molybdenum, Total (mg/L) | | 0.1 | 0.041 | 0.1 |
| Selenium, Total (mg/L) | 0.05 | | 0.005 | 0.05 |
| Thallium, Total (mg/L) | 0.002 | | 0.001 | 0.002 |

**Highlighted cells indicated Background is higher than MCLs or CCR-Rule*

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residual*

**GWPS = Groundwater Protection Standard*

Confidence Intervals - Significant Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 1/16/2024, 2:23 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Compliance | Sig. N | Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|-----------------------------------|---------|------------|------------|------------|--------|----------|-----------|-------|---------|-----------|-------|----------------|
| Arsenic (mg/L) | DGWC-9 | 0.02771 | 0.01603 | 0.01 | Yes 18 | 0.02187 | 0.009656 | 5.556 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | B-92 | 0.02032 | 0.0134 | 0.004 | Yes 7 | 0.01686 | 0.002911 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | B-93 | 0.01693 | 0.01326 | 0.004 | Yes 9 | 0.01477 | 0.003145 | 0 | None | x^4 | 0.01 | Param. |
| Beryllium (mg/L) | DGWC-10 | 0.008735 | 0.006009 | 0.004 | Yes 18 | 0.007372 | 0.002253 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | DGWC-47 | 0.01205 | 0.008993 | 0.004 | Yes 19 | 0.01052 | 0.002609 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | DGWC-48 | 0.0088 | 0.007242 | 0.004 | Yes 19 | 0.008021 | 0.001331 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | DGWC-5 | 0.008753 | 0.006725 | 0.004 | Yes 18 | 0.007739 | 0.001675 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | DGWC-9 | 0.005746 | 0.004909 | 0.004 | Yes 18 | 0.005328 | 0.0006918 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | B-104D | 0.1915 | 0.1177 | 0.032 | Yes 8 | 0.155 | 0.03742 | 0 | None | x^2 | 0.01 | Param. |
| Cobalt (mg/L) | B-56 | 0.05661 | 0.04339 | 0.032 | Yes 8 | 0.05 | 0.006234 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | B-63 | 0.04999 | 0.03545 | 0.032 | Yes 9 | 0.04272 | 0.00753 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | B-92 | 0.09426 | 0.03414 | 0.032 | Yes 5 | 0.0642 | 0.01794 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | B-93 | 0.06738 | 0.05571 | 0.032 | Yes 9 | 0.06111 | 0.008253 | 0 | None | x^4 | 0.01 | Param. |
| Cobalt (mg/L) | DGWC-10 | 0.193 | 0.086 | 0.032 | Yes 18 | 0.1403 | 0.05094 | 0 | None | No | 0.01 | NP (normality) |
| Cobalt (mg/L) | DGWC-19 | 0.0533 | 0.04998 | 0.032 | Yes 19 | 0.05164 | 0.002838 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | DGWC-20 | 0.7547 | 0.506 | 0.032 | Yes 19 | 0.6559 | 0.2549 | 0 | None | ln(x) | 0.01 | Param. |
| Cobalt (mg/L) | DGWC-47 | 0.3539 | 0.2388 | 0.032 | Yes 19 | 0.2964 | 0.09827 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | DGWC-48 | 0.4783 | 0.3733 | 0.032 | Yes 19 | 0.4258 | 0.08964 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | DGWC-9 | 0.2082 | 0.1546 | 0.032 | Yes 18 | 0.1814 | 0.04426 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | B-104D | 16.21 | 10.3 | 5 | Yes 8 | 13.25 | 2.789 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | B-111D | 10.51 | 5.024 | 5 | Yes 8 | 7.765 | 2.586 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | B-120D | 0.0928 | 0.0512 | 0.04 | Yes 6 | 0.072 | 0.01514 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | DGWC-47 | 0.07036 | 0.05388 | 0.04 | Yes 19 | 0.06212 | 0.01407 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | DGWC-48 | 0.122 | 0.1033 | 0.04 | Yes 19 | 0.1127 | 0.01596 | 0 | None | No | 0.01 | Param. |

Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 1/16/2024, 2:23 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Compliance | Sig. N | Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|-----------------------|---------------|----------------|----------------|-------------|---------------|----------------|-----------------|--------------|--------------|-----------|-------------|----------------|
| Antimony (mg/L) | B-100 | 0.003 | 0.0013 | 0.006 | No 8 | 0.002625 | 0.0007025 | 75 | None | No | 0.004 | NP (NDs) |
| Antimony (mg/L) | B-101D | 0.001684 | 0.0004313 | 0.006 | No 7 | 0.001873 | 0.001146 | 42.86 | Kaplan-Meier | sqrt(x) | 0.01 | Param. |
| Antimony (mg/L) | B-102D | 0.003 | 0.0016 | 0.006 | No 8 | 0.002825 | 0.000495 | 87.5 | Kaplan-Meier | No | 0.004 | NP (NDs) |
| Antimony (mg/L) | B-104D | 0.003 | 0.00048 | 0.006 | No 8 | 0.00188 | 0.001205 | 50 | None | No | 0.004 | NP (normality) |
| Antimony (mg/L) | B-106D | 0.003 | 0.00048 | 0.006 | No 7 | 0.00264 | 0.0009525 | 85.71 | None | No | 0.008 | NP (NDs) |
| Antimony (mg/L) | B-111D | 0.003 | 0.0006 | 0.006 | No 8 | 0.002525 | 0.0009192 | 75 | None | No | 0.004 | NP (NDs) |
| Antimony (mg/L) | B-120D | 0.003 | 0.00029 | 0.006 | No 6 | 0.002548 | 0.001106 | 83.33 | None | No | 0.0155 | NP (NDs) |
| Antimony (mg/L) | B-56 | 0.003 | 0.0011 | 0.006 | No 8 | 0.002763 | 0.0006718 | 87.5 | None | No | 0.004 | NP (NDs) |
| Antimony (mg/L) | B-62 | 0.003 | 0.003 | 0.006 | No 11 | 0.002769 | 0.0007658 | 90.91 | None | No | 0.006 | NP (NDs) |
| Antimony (mg/L) | B-63 | 0.003 | 0.00066 | 0.006 | No 8 | 0.002708 | 0.0008273 | 87.5 | None | No | 0.004 | NP (NDs) |
| Antimony (mg/L) | B-77 | 0.003 | 0.00043 | 0.006 | No 10 | 0.002242 | 0.001222 | 70 | None | No | 0.011 | NP (NDs) |
| Antimony (mg/L) | B-93 | 0.003 | 0.00096 | 0.006 | No 8 | 0.002358 | 0.0008999 | 62.5 | None | No | 0.004 | NP (NDs) |
| Antimony (mg/L) | B-98 | 0.003 | 0.001 | 0.006 | No 5 | 0.0026 | 0.0008944 | 80 | None | No | 0.031 | NP (NDs) |
| Antimony (mg/L) | DGWC-10 | 0.003 | 0.0021 | 0.006 | No 18 | 0.00295 | 0.0002121 | 94.44 | None | No | 0.01 | NP (NDs) |
| Antimony (mg/L) | DGWC-12 | 0.003 | 0.0003 | 0.006 | No 20 | 0.002865 | 0.0006037 | 95 | None | No | 0.01 | NP (NDs) |
| Antimony (mg/L) | DGWC-14 | 0.003 | 0.0011 | 0.006 | No 19 | 0.002795 | 0.0006151 | 89.47 | None | No | 0.01 | NP (NDs) |
| Antimony (mg/L) | DGWC-15 | 0.003 | 0.00073 | 0.006 | No 19 | 0.00274 | 0.0007816 | 89.47 | None | No | 0.01 | NP (NDs) |
| Antimony (mg/L) | DGWC-17 | 0.003 | 0.00045 | 0.006 | No 19 | 0.002866 | 0.000585 | 94.74 | None | No | 0.01 | NP (NDs) |
| Antimony (mg/L) | DGWC-19 | 0.003 | 0.0013 | 0.006 | No 19 | 0.002772 | 0.0007019 | 89.47 | None | No | 0.01 | NP (NDs) |
| Antimony (mg/L) | DGWC-2 | 0.003 | 0.0006 | 0.006 | No 19 | 0.002874 | 0.0005506 | 94.74 | None | No | 0.01 | NP (NDs) |
| Antimony (mg/L) | DGWC-20 | 0.003 | 0.0018 | 0.006 | No 19 | 0.002937 | 0.0002753 | 94.74 | None | No | 0.01 | NP (NDs) |
| Antimony (mg/L) | DGWC-21 | 0.003 | 0.0013 | 0.006 | No 19 | 0.002911 | 0.00039 | 94.74 | None | No | 0.01 | NP (NDs) |
| Antimony (mg/L) | DGWC-23 | 0.003 | 0.0007 | 0.006 | No 19 | 0.002879 | 0.0005277 | 94.74 | None | No | 0.01 | NP (NDs) |
| Antimony (mg/L) | DGWC-4 | 0.003 | 0.0008 | 0.006 | No 18 | 0.002604 | 0.0009131 | 83.33 | None | No | 0.01 | NP (NDs) |
| Antimony (mg/L) | DGWC-47 | 0.003 | 0.0012 | 0.006 | No 19 | 0.002905 | 0.0004129 | 94.74 | None | No | 0.01 | NP (NDs) |
| Antimony (mg/L) | DGWC-48 | 0.003 | 0.0018 | 0.006 | No 19 | 0.002799 | 0.000645 | 89.47 | None | No | 0.01 | NP (NDs) |
| Antimony (mg/L) | DGWC-5 | 0.003 | 0.0015 | 0.006 | No 18 | 0.002768 | 0.0007055 | 88.89 | None | No | 0.01 | NP (NDs) |
| Antimony (mg/L) | DGWC-8 | 0.003 | 0.00046 | 0.006 | No 18 | 0.002859 | 0.0005987 | 94.44 | None | No | 0.01 | NP (NDs) |
| Arsenic (mg/L) | B-101D | 0.005 | 0.0017 | 0.01 | No 7 | 0.004529 | 0.001247 | 85.71 | None | No | 0.008 | NP (NDs) |
| Arsenic (mg/L) | B-104D | 0.005 | 0.0019 | 0.01 | No 8 | 0.004112 | 0.001299 | 62.5 | None | No | 0.004 | NP (NDs) |
| Arsenic (mg/L) | B-111D | 0.005 | 0.0022 | 0.01 | No 8 | 0.00405 | 0.001327 | 62.5 | None | No | 0.004 | NP (NDs) |
| Arsenic (mg/L) | B-120D | 0.005 | 0.0016 | 0.01 | No 6 | 0.004433 | 0.001388 | 83.33 | None | No | 0.0155 | NP (NDs) |
| Arsenic (mg/L) | B-56 | 0.004783 | 0.002792 | 0.01 | No 8 | 0.003787 | 0.0009387 | 12.5 | None | No | 0.01 | Param. |
| Arsenic (mg/L) | B-62 | 0.005 | 0.005 | 0.01 | No 11 | 0.004845 | 0.0005126 | 90.91 | None | No | 0.006 | NP (NDs) |
| Arsenic (mg/L) | B-63 | 0.005 | 0.0022 | 0.01 | No 8 | 0.00465 | 0.0009899 | 87.5 | None | No | 0.004 | NP (NDs) |
| Arsenic (mg/L) | B-77 | 0.005 | 0.002 | 0.01 | No 10 | 0.00374 | 0.001366 | 50 | None | No | 0.011 | NP (normality) |
| Arsenic (mg/L) | B-82 | 0.005 | 0.004 | 0.01 | No 10 | 0.0047 | 0.0006749 | 80 | None | No | 0.011 | NP (NDs) |
| Arsenic (mg/L) | B-83 | 0.005 | 0.0014 | 0.01 | No 9 | 0.0046 | 0.0012 | 88.89 | None | No | 0.002 | NP (NDs) |
| Arsenic (mg/L) | B-92 | 0.002445 | 0.0008887 | 0.01 | No 5 | 0.003 | 0.001869 | 40 | Kaplan-Meier | No | 0.01 | Param. |
| Arsenic (mg/L) | B-93 | 0.005 | 0.0013 | 0.01 | No 8 | 0.0036 | 0.001565 | 50 | None | No | 0.004 | NP (normality) |
| Arsenic (mg/L) | B-97 | 0.005 | 0.0014 | 0.01 | No 5 | 0.00428 | 0.00161 | 80 | None | No | 0.031 | NP (NDs) |
| Arsenic (mg/L) | DGWC-10 | 0.006468 | 0.003499 | 0.01 | No 18 | 0.004983 | 0.002453 | 5.556 | None | No | 0.01 | Param. |
| Arsenic (mg/L) | DGWC-12 | 0.005 | 0.00063 | 0.01 | No 20 | 0.004561 | 0.00135 | 90 | None | No | 0.01 | NP (NDs) |
| Arsenic (mg/L) | DGWC-14 | 0.005 | 0.00039 | 0.01 | No 19 | 0.004757 | 0.001058 | 94.74 | None | No | 0.01 | NP (NDs) |
| Arsenic (mg/L) | DGWC-15 | 0.005 | 0.0013 | 0.01 | No 19 | 0.004344 | 0.001561 | 84.21 | None | No | 0.01 | NP (NDs) |
| Arsenic (mg/L) | DGWC-17 | 0.005 | 0.0011 | 0.01 | No 19 | 0.003544 | 0.001967 | 63.16 | None | No | 0.01 | NP (NDs) |
| Arsenic (mg/L) | DGWC-19 | 0.005 | 0.0013 | 0.01 | No 19 | 0.002692 | 0.001723 | 31.58 | None | No | 0.01 | NP (normality) |
| Arsenic (mg/L) | DGWC-2 | 0.005 | 0.0025 | 0.01 | No 19 | 0.004515 | 0.001182 | 84.21 | None | No | 0.01 | NP (NDs) |
| Arsenic (mg/L) | DGWC-20 | 0.01828 | 0.009528 | 0.01 | No 19 | 0.01391 | 0.007476 | 0 | None | No | 0.01 | Param. |
| Arsenic (mg/L) | DGWC-22 | 0.005 | 0.001 | 0.01 | No 19 | 0.004789 | 0.0009177 | 94.74 | None | No | 0.01 | NP (NDs) |
| Arsenic (mg/L) | DGWC-4 | 0.005 | 0.0011 | 0.01 | No 18 | 0.00405 | 0.001833 | 77.78 | None | No | 0.01 | NP (NDs) |
| Arsenic (mg/L) | DGWC-42 | 0.005 | 0.0011 | 0.01 | No 19 | 0.004568 | 0.001294 | 89.47 | None | No | 0.01 | NP (NDs) |
| Arsenic (mg/L) | DGWC-47 | 0.005 | 0.0013 | 0.01 | No 19 | 0.003053 | 0.0016 | 31.58 | None | No | 0.01 | NP (normality) |
| Arsenic (mg/L) | DGWC-48 | 0.005 | 0.0012 | 0.01 | No 19 | 0.003584 | 0.001921 | 63.16 | None | No | 0.01 | NP (NDs) |
| Arsenic (mg/L) | DGWC-5 | 0.007316 | 0.002552 | 0.01 | No 18 | 0.007361 | 0.008981 | 16.67 | Kaplan-Meier | ln(x) | 0.01 | Param. |
| Arsenic (mg/L) | DGWC-8 | 0.005 | 0.0015 | 0.01 | No 18 | 0.003981 | 0.001703 | 72.22 | Kaplan-Meier | No | 0.01 | NP (NDs) |
| Arsenic (mg/L) | DGWC-9 | 0.02771 | 0.01603 | 0.01 | Yes 18 | 0.02187 | 0.009656 | 5.556 | None | No | 0.01 | Param. |
| Barium (mg/L) | B-100 | 0.098 | 0.015 | 2 | No 8 | 0.03038 | 0.02743 | 0 | None | No | 0.004 | NP (normality) |
| Barium (mg/L) | B-101D | 0.07849 | 0.05408 | 2 | No 7 | 0.06629 | 0.01027 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | B-102D | 0.02288 | 0.01912 | 2 | No 8 | 0.021 | 0.001773 | 0 | None | No | 0.01 | Param. |

Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 1/16/2024, 2:23 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Compliance | Sig. N | Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|-------------------------|----------------|-----------------|-----------------|--------------|---------------|-----------------|-----------------|----------|-------------|------------|-------------|----------------|
| Barium (mg/L) | B-104D | 0.02433 | 0.01867 | 2 | No 8 | 0.0215 | 0.002673 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | B-106D | 0.02261 | 0.01996 | 2 | No 7 | 0.02129 | 0.001113 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | B-107D | 0.1232 | 0.04279 | 2 | No 7 | 0.083 | 0.03385 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | B-108D | 0.06338 | 0.05034 | 2 | No 7 | 0.05686 | 0.00549 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | B-111D | 0.043 | 0.027 | 2 | No 8 | 0.0325 | 0.006256 | 0 | None | No | 0.004 | NP (normality) |
| Barium (mg/L) | B-120D | 0.03944 | 0.01721 | 2 | No 6 | 0.0275 | 0.008894 | 0 | None | x^(1/3) | 0.01 | Param. |
| Barium (mg/L) | B-56 | 0.02952 | 0.02623 | 2 | No 8 | 0.02788 | 0.001553 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | B-62 | 0.02504 | 0.01841 | 2 | No 11 | 0.02173 | 0.003977 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | B-63 | 0.056 | 0.02 | 2 | No 8 | 0.02863 | 0.01178 | 0 | None | No | 0.004 | NP (normality) |
| Barium (mg/L) | B-66 | 0.02427 | 0.01598 | 2 | No 8 | 0.02013 | 0.003907 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | B-77 | 0.1222 | 0.09683 | 2 | No 10 | 0.1095 | 0.0142 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | B-82 | 0.02828 | 0.02127 | 2 | No 9 | 0.02478 | 0.003632 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | B-83 | 0.056 | 0.024 | 2 | No 9 | 0.03111 | 0.009968 | 0 | None | No | 0.002 | NP (normality) |
| Barium (mg/L) | B-88 | 0.022 | 0.016 | 2 | No 8 | 0.01863 | 0.002615 | 0 | None | No | 0.004 | NP (normality) |
| Barium (mg/L) | B-92 | 0.01769 | 0.01271 | 2 | No 5 | 0.0152 | 0.001483 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | B-93 | 0.01895 | 0.0148 | 2 | No 8 | 0.01688 | 0.001959 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | B-97 | 0.021 | 0.02 | 2 | No 5 | 0.0202 | 0.0004472 | 0 | None | No | 0.031 | NP (normality) |
| Barium (mg/L) | B-98 | 0.092 | 0.035 | 2 | No 5 | 0.0602 | 0.02537 | 0 | None | No | 0.031 | NP (selected) |
| Barium (mg/L) | DGWC-10 | 0.02789 | 0.02185 | 2 | No 18 | 0.02487 | 0.004989 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | DGWC-11 | 0.06356 | 0.05048 | 2 | No 18 | 0.05702 | 0.0108 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | DGWC-12 | 0.0375 | 0.02607 | 2 | No 20 | 0.03229 | 0.01076 | 0 | None | sqrt(x) | 0.01 | Param. |
| Barium (mg/L) | DGWC-13 | 0.0318 | 0.02575 | 2 | No 18 | 0.02817 | 0.00679 | 5.556 | None | x^2 | 0.01 | Param. |
| Barium (mg/L) | DGWC-14 | 0.06226 | 0.05823 | 2 | No 19 | 0.06024 | 0.003444 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | DGWC-15 | 0.04904 | 0.04251 | 2 | No 19 | 0.04577 | 0.005575 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | DGWC-17 | 0.05232 | 0.03791 | 2 | No 19 | 0.04512 | 0.01231 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | DGWC-19 | 0.02541 | 0.02237 | 2 | No 19 | 0.02389 | 0.002596 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | DGWC-2 | 0.023 | 0.0206 | 2 | No 19 | 0.02184 | 0.001119 | 0 | None | No | 0.01 | NP (normality) |
| Barium (mg/L) | DGWC-20 | 0.01595 | 0.01059 | 2 | No 19 | 0.01327 | 0.004573 | 5.263 | None | No | 0.01 | Param. |
| Barium (mg/L) | DGWC-21 | 0.027 | 0.024 | 2 | No 19 | 0.02555 | 0.00156 | 0 | None | No | 0.01 | NP (normality) |
| Barium (mg/L) | DGWC-22 | 0.03621 | 0.03079 | 2 | No 19 | 0.0335 | 0.004632 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | DGWC-23 | 0.02331 | 0.01914 | 2 | No 19 | 0.02132 | 0.003733 | 0 | None | sqrt(x) | 0.01 | Param. |
| Barium (mg/L) | DGWC-4 | 0.03561 | 0.03257 | 2 | No 18 | 0.03409 | 0.002514 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | DGWC-42 | 0.01933 | 0.01582 | 2 | No 19 | 0.01765 | 0.003134 | 0 | None | sqrt(x) | 0.01 | Param. |
| Barium (mg/L) | DGWC-47 | 0.02005 | 0.01667 | 2 | No 19 | 0.01836 | 0.002888 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | DGWC-48 | 0.015 | 0.013 | 2 | No 19 | 0.01374 | 0.0009657 | 0 | None | No | 0.01 | NP (normality) |
| Barium (mg/L) | DGWC-5 | 0.01826 | 0.01673 | 2 | No 17 | 0.01749 | 0.001218 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | DGWC-8 | 0.03509 | 0.0248 | 2 | No 18 | 0.02994 | 0.008498 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | DGWC-9 | 0.0166 | 0.01506 | 2 | No 18 | 0.01583 | 0.001275 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | B-100 | 0.0005753 | 0.0003347 | 0.004 | No 8 | 0.000455 | 0.0001135 | 12.5 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | B-101D | 0.00025 | 0.000047 | 0.004 | No 7 | 0.00009129 | 0.00007062 | 14.29 | None | No | 0.008 | NP (normality) |
| Beryllium (mg/L) | B-102D | 0.001319 | 0.0008688 | 0.004 | No 8 | 0.001094 | 0.0002123 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | B-104D | 0.001596 | 0.001204 | 0.004 | No 8 | 0.0014 | 0.0001852 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | B-106D | 0.0001356 | 0.00007864 | 0.004 | No 7 | 0.0001071 | 0.000024 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | B-107D | 0.0005 | 0.00005 | 0.004 | No 7 | 0.0004357 | 0.0001701 | 85.71 | None | No | 0.008 | NP (NDs) |
| Beryllium (mg/L) | B-120D | 0.001164 | 0.0006956 | 0.004 | No 6 | 0.00093 | 0.0001706 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | B-56 | 0.0013 | 0.0011 | 0.004 | No 8 | 0.001225 | 0.00007071 | 0 | None | No | 0.004 | NP (normality) |
| Beryllium (mg/L) | B-62 | 0.0025 | 0.00009 | 0.004 | No 12 | 0.0005148 | 0.0009275 | 16.67 | None | No | 0.01 | NP (normality) |
| Beryllium (mg/L) | B-63 | 0.00053 | 0.0003 | 0.004 | No 10 | 0.000511 | 0.0003579 | 10 | None | No | 0.011 | NP (normality) |
| Beryllium (mg/L) | B-77 | 0.0005 | 0.000057 | 0.004 | No 10 | 0.000299 | 0.0002136 | 50 | None | No | 0.011 | NP (normality) |
| Beryllium (mg/L) | B-82 | 0.001942 | 0.001346 | 0.004 | No 9 | 0.001644 | 0.0003087 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | B-83 | 0.0007 | 0.00028 | 0.004 | No 9 | 0.0004011 | 0.0001236 | 0 | None | No | 0.002 | NP (normality) |
| Beryllium (mg/L) | B-88 | 0.002793 | 0.0007957 | 0.004 | No 8 | 0.001779 | 0.001356 | 0 | None | ln(x) | 0.01 | Param. |
| Beryllium (mg/L) | B-92 | 0.02032 | 0.0134 | 0.004 | Yes 7 | 0.01686 | 0.002911 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | B-93 | 0.01693 | 0.01326 | 0.004 | Yes 9 | 0.01477 | 0.003145 | 0 | None | x^4 | 0.01 | Param. |
| Beryllium (mg/L) | B-97 | 0.00185 | 0.00155 | 0.004 | No 8 | 0.0017 | 0.0001414 | 12.5 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | B-98 | 0.00087 | 0.000062 | 0.004 | No 8 | 0.0004375 | 0.000263 | 62.5 | None | No | 0.004 | NP (NDs) |
| Beryllium (mg/L) | DGWC-10 | 0.008735 | 0.006009 | 0.004 | Yes 18 | 0.007372 | 0.002253 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | DGWC-11 | 0.003 | 0.00014 | 0.004 | No 18 | 0.001262 | 0.001427 | 38.89 | None | No | 0.01 | NP (normality) |
| Beryllium (mg/L) | DGWC-12 | 0.00028 | 0.00011 | 0.004 | No 20 | 0.0003579 | 0.0006359 | 15 | None | No | 0.01 | NP (normality) |
| Beryllium (mg/L) | DGWC-13 | 0.003 | 0.00007 | 0.004 | No 18 | 0.001538 | 0.001504 | 50 | None | No | 0.01 | NP (normality) |

Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 1/16/2024, 2:23 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Compliance | Sig. N | Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|-------------------------|----------------|-----------------|-----------------|--------------|---------------|-----------------|------------------|----------|--------------|-----------|-------------|----------------|
| Beryllium (mg/L) | DGWC-15 | 0.003 | 0.00022 | 0.004 | No 19 | 0.0005936 | 0.0005943 | 89.47 | None | No | 0.01 | NP (NDs) |
| Beryllium (mg/L) | DGWC-17 | 0.00066 | 0.00051 | 0.004 | No 19 | 0.0006758 | 0.0002959 | 10.53 | None | No | 0.01 | NP (normality) |
| Beryllium (mg/L) | DGWC-19 | 0.001963 | 0.001721 | 0.004 | No 19 | 0.001842 | 0.0002063 | 10.53 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | DGWC-20 | 0.005571 | 0.002976 | 0.004 | No 19 | 0.004274 | 0.002215 | 10.53 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | DGWC-21 | 0.0002 | 0.00015 | 0.004 | No 19 | 0.0003053 | 0.0004223 | 10.53 | None | No | 0.01 | NP (normality) |
| Beryllium (mg/L) | DGWC-22 | 0.0002 | 0.00013 | 0.004 | No 19 | 0.0003016 | 0.0004238 | 10.53 | None | No | 0.01 | NP (normality) |
| Beryllium (mg/L) | DGWC-23 | 0.0005 | 0.00038 | 0.004 | No 19 | 0.0005437 | 0.0003494 | 10.53 | None | No | 0.01 | NP (normality) |
| Beryllium (mg/L) | DGWC-4 | 0.00034 | 0.0002 | 0.004 | No 18 | 0.0003828 | 0.0004137 | 11.11 | None | No | 0.01 | NP (normality) |
| Beryllium (mg/L) | DGWC-42 | 0.002654 | 0.002125 | 0.004 | No 19 | 0.002389 | 0.000452 | 5.263 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | DGWC-47 | 0.01205 | 0.008993 | 0.004 | Yes 19 | 0.01052 | 0.002609 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | DGWC-48 | 0.0088 | 0.007242 | 0.004 | Yes 19 | 0.008021 | 0.001331 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | DGWC-5 | 0.008753 | 0.006725 | 0.004 | Yes 18 | 0.007739 | 0.001675 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | DGWC-8 | 0.002579 | 0.001368 | 0.004 | No 18 | 0.002049 | 0.001105 | 5.556 | None | sqrt(x) | 0.01 | Param. |
| Beryllium (mg/L) | DGWC-9 | 0.005746 | 0.004909 | 0.004 | Yes 18 | 0.005328 | 0.0006918 | 0 | None | No | 0.01 | Param. |
| Cadmium (mg/L) | B-100 | 0.00059 | 0.00025 | 0.005 | No 8 | 0.00036 | 0.000145 | 12.5 | None | No | 0.004 | NP (normality) |
| Cadmium (mg/L) | B-101D | 0.0005 | 0.00011 | 0.005 | No 7 | 0.0004443 | 0.0001474 | 85.71 | None | No | 0.008 | NP (NDs) |
| Cadmium (mg/L) | B-102D | 0.000906 | 0.000724 | 0.005 | No 8 | 0.000815 | 0.00008586 | 0 | None | No | 0.01 | Param. |
| Cadmium (mg/L) | B-106D | 0.000251 | 0.0001375 | 0.005 | No 7 | 0.0003243 | 0.0001683 | 42.86 | Kaplan-Meier | x^(1/3) | 0.01 | Param. |
| Cadmium (mg/L) | B-120D | 0.00118 | 0.0009462 | 0.005 | No 6 | 0.001063 | 0.00008524 | 0 | None | No | 0.01 | Param. |
| Cadmium (mg/L) | B-56 | 0.000335 | 0.000245 | 0.005 | No 8 | 0.00029 | 0.00004243 | 0 | None | No | 0.01 | Param. |
| Cadmium (mg/L) | B-63 | 0.0005 | 0.00014 | 0.005 | No 8 | 0.0003563 | 0.0001593 | 50 | None | No | 0.004 | NP (normality) |
| Cadmium (mg/L) | B-66 | 0.0005 | 0.00018 | 0.005 | No 8 | 0.00046 | 0.0001131 | 87.5 | None | No | 0.004 | NP (NDs) |
| Cadmium (mg/L) | B-82 | 0.0007616 | 0.0004762 | 0.005 | No 9 | 0.0006189 | 0.0001478 | 0 | None | No | 0.01 | Param. |
| Cadmium (mg/L) | B-83 | 0.0003611 | 0.00027 | 0.005 | No 9 | 0.0003156 | 0.0000472 | 0 | None | No | 0.01 | Param. |
| Cadmium (mg/L) | B-88 | 0.004662 | 0.0006429 | 0.005 | No 8 | 0.002653 | 0.001896 | 0 | None | No | 0.01 | Param. |
| Cadmium (mg/L) | B-92 | 0.001638 | 0.0006262 | 0.005 | No 5 | 0.001132 | 0.0003019 | 0 | None | No | 0.01 | Param. |
| Cadmium (mg/L) | B-93 | 0.0009262 | 0.0007388 | 0.005 | No 8 | 0.0008325 | 0.00008844 | 0 | None | No | 0.01 | Param. |
| Cadmium (mg/L) | B-97 | 0.0006336 | 0.0005184 | 0.005 | No 5 | 0.000576 | 0.00003435 | 0 | None | No | 0.01 | Param. |
| Cadmium (mg/L) | B-98 | 0.000376 | 0.0001307 | 0.005 | No 5 | 0.000352 | 0.0001492 | 40 | Kaplan-Meier | No | 0.01 | Param. |
| Cadmium (mg/L) | DGWC-10 | 0.001101 | 0.0007304 | 0.005 | No 18 | 0.0009156 | 0.000306 | 0 | None | No | 0.01 | Param. |
| Cadmium (mg/L) | DGWC-11 | 0.0005 | 0.00015 | 0.005 | No 18 | 0.0003811 | 0.0001732 | 66.67 | None | No | 0.01 | NP (NDs) |
| Cadmium (mg/L) | DGWC-12 | 0.0003232 | 0.0002176 | 0.005 | No 20 | 0.000399 | 0.0001828 | 35 | Kaplan-Meier | sqrt(x) | 0.01 | Param. |
| Cadmium (mg/L) | DGWC-13 | 0.0005 | 0.0002 | 0.005 | No 18 | 0.00046 | 0.0001182 | 88.89 | None | No | 0.01 | NP (NDs) |
| Cadmium (mg/L) | DGWC-15 | 0.001 | 0.00013 | 0.005 | No 19 | 0.0004437 | 0.0002118 | 78.95 | None | No | 0.01 | NP (NDs) |
| Cadmium (mg/L) | DGWC-17 | 0.0003 | 0.00023 | 0.005 | No 19 | 0.0002874 | 0.00008465 | 10.53 | None | No | 0.01 | NP (normality) |
| Cadmium (mg/L) | DGWC-19 | 0.0004103 | 0.0003444 | 0.005 | No 19 | 0.0003774 | 0.00005626 | 10.53 | None | No | 0.01 | Param. |
| Cadmium (mg/L) | DGWC-2 | 0.0005 | 0.00014 | 0.005 | No 19 | 0.0003947 | 0.0002134 | 47.37 | None | No | 0.01 | NP (normality) |
| Cadmium (mg/L) | DGWC-20 | 0.002499 | 0.001828 | 0.005 | No 19 | 0.002163 | 0.0005727 | 0 | None | No | 0.01 | Param. |
| Cadmium (mg/L) | DGWC-21 | 0.0006025 | 0.000354 | 0.005 | No 19 | 0.0005784 | 0.0001936 | 15.79 | Kaplan-Meier | No | 0.01 | Param. |
| Cadmium (mg/L) | DGWC-22 | 0.0006227 | 0.000471 | 0.005 | No 19 | 0.0005468 | 0.0001295 | 10.53 | None | No | 0.01 | Param. |
| Cadmium (mg/L) | DGWC-23 | 0.0003 | 0.00018 | 0.005 | No 19 | 0.0002868 | 0.0002001 | 15.79 | None | No | 0.01 | NP (normality) |
| Cadmium (mg/L) | DGWC-4 | 0.000853 | 0.0006415 | 0.005 | No 18 | 0.0007472 | 0.0001748 | 11.11 | None | No | 0.01 | Param. |
| Cadmium (mg/L) | DGWC-42 | 0.0008851 | 0.0004782 | 0.005 | No 19 | 0.0007553 | 0.000504 | 10.53 | None | ln(x) | 0.01 | Param. |
| Cadmium (mg/L) | DGWC-47 | 0.00201 | 0.001236 | 0.005 | No 19 | 0.001623 | 0.0006609 | 0 | None | No | 0.01 | Param. |
| Cadmium (mg/L) | DGWC-48 | 0.0036 | 0.0026 | 0.005 | No 19 | 0.003337 | 0.001533 | 0 | None | No | 0.01 | NP (normality) |
| Cadmium (mg/L) | DGWC-5 | 0.0008886 | 0.0005114 | 0.005 | No 18 | 0.0007 | 0.0003116 | 11.11 | None | No | 0.01 | Param. |
| Cadmium (mg/L) | DGWC-8 | 0.002362 | 0.00169 | 0.005 | No 18 | 0.002026 | 0.0005554 | 0 | None | No | 0.01 | Param. |
| Cadmium (mg/L) | DGWC-9 | 0.0006234 | 0.0005177 | 0.005 | No 18 | 0.0005706 | 0.00008734 | 11.11 | None | No | 0.01 | Param. |
| Chromium (mg/L) | B-100 | 0.005 | 0.00057 | 0.1 | No 8 | 0.003939 | 0.001968 | 75 | None | No | 0.004 | NP (NDs) |
| Chromium (mg/L) | B-101D | 0.005 | 0.0014 | 0.1 | No 7 | 0.004486 | 0.001361 | 85.71 | None | No | 0.008 | NP (NDs) |
| Chromium (mg/L) | B-104D | 0.005 | 0.0011 | 0.1 | No 8 | 0.004512 | 0.001379 | 87.5 | None | No | 0.004 | NP (NDs) |
| Chromium (mg/L) | B-106D | 0.005 | 0.0013 | 0.1 | No 7 | 0.004471 | 0.001398 | 85.71 | None | No | 0.008 | NP (NDs) |
| Chromium (mg/L) | B-56 | 0.005 | 0.00059 | 0.1 | No 8 | 0.003549 | 0.002018 | 62.5 | None | No | 0.004 | NP (NDs) |
| Chromium (mg/L) | B-62 | 0.005 | 0.005 | 0.1 | No 11 | 0.004635 | 0.001212 | 90.91 | None | No | 0.006 | NP (NDs) |
| Chromium (mg/L) | B-63 | 0.005 | 0.00064 | 0.1 | No 8 | 0.003992 | 0.001874 | 75 | None | No | 0.004 | NP (NDs) |
| Chromium (mg/L) | B-77 | 0.005 | 0.0007 | 0.1 | No 10 | 0.003446 | 0.002043 | 60 | None | No | 0.011 | NP (NDs) |
| Chromium (mg/L) | B-82 | 0.005 | 0.0011 | 0.1 | No 9 | 0.004156 | 0.001676 | 77.78 | None | No | 0.002 | NP (NDs) |
| Chromium (mg/L) | B-83 | 0.004633 | 0.002056 | 0.1 | No 9 | 0.003344 | 0.001334 | 0 | None | No | 0.01 | Param. |
| Chromium (mg/L) | B-88 | 0.005 | 0.00085 | 0.1 | No 8 | 0.003619 | 0.00192 | 62.5 | None | No | 0.004 | NP (NDs) |
| Chromium (mg/L) | B-93 | 0.005 | 0.00057 | 0.1 | No 8 | 0.003416 | 0.002191 | 62.5 | None | No | 0.004 | NP (NDs) |

Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 1/16/2024, 2:23 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Compliance | Sig. N | Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|----------------------|----------------|----------------|----------------|--------------|---------------|----------------|-----------------|----------|-------------|--------------|-------------|-----------------------|
| Chromium (mg/L) | B-98 | 0.005 | 0.0013 | 0.1 | No 5 | 0.00354 | 0.001999 | 60 | None | No | 0.031 | NP (NDs) |
| Chromium (mg/L) | DGWC-10 | 0.005 | 0.0008 | 0.1 | No 18 | 0.002306 | 0.001973 | 33.33 | None | No | 0.01 | NP (normality) |
| Chromium (mg/L) | DGWC-11 | 0.005 | 0.00061 | 0.1 | No 18 | 0.004022 | 0.001883 | 77.78 | None | No | 0.01 | NP (NDs) |
| Chromium (mg/L) | DGWC-12 | 0.005 | 0.00099 | 0.1 | No 20 | 0.004596 | 0.001242 | 90 | None | No | 0.01 | NP (NDs) |
| Chromium (mg/L) | DGWC-13 | 0.005 | 0.0009 | 0.1 | No 18 | 0.004049 | 0.001831 | 77.78 | None | No | 0.01 | NP (NDs) |
| Chromium (mg/L) | DGWC-15 | 0.01 | 0.0048 | 0.1 | No 19 | 0.004544 | 0.002128 | 78.95 | None | No | 0.01 | NP (NDs) |
| Chromium (mg/L) | DGWC-17 | 0.0033 | 0.0025 | 0.1 | No 19 | 0.002958 | 0.0007897 | 10.53 | None | No | 0.01 | NP (normality) |
| Chromium (mg/L) | DGWC-19 | 0.0031 | 0.0023 | 0.1 | No 19 | 0.003732 | 0.002804 | 15.79 | None | No | 0.01 | NP (normality) |
| Chromium (mg/L) | DGWC-2 | 0.005 | 0.00064 | 0.1 | No 19 | 0.003588 | 0.002136 | 68.42 | None | No | 0.01 | NP (NDs) |
| Chromium (mg/L) | DGWC-20 | 0.005 | 0.0016 | 0.1 | No 19 | 0.003179 | 0.00219 | 31.58 | None | No | 0.01 | NP (normality) |
| Chromium (mg/L) | DGWC-21 | 0.005 | 0.0006 | 0.1 | No 19 | 0.003682 | 0.002019 | 68.42 | None | No | 0.01 | NP (NDs) |
| Chromium (mg/L) | DGWC-22 | 0.005 | 0.0012 | 0.1 | No 19 | 0.0048 | 0.0008718 | 94.74 | None | No | 0.01 | NP (NDs) |
| Chromium (mg/L) | DGWC-23 | 0.005 | 0.0007 | 0.1 | No 19 | 0.002779 | 0.002176 | 47.37 | None | No | 0.01 | NP (normality) |
| Chromium (mg/L) | DGWC-4 | 0.005 | 0.0005 | 0.1 | No 18 | 0.00475 | 0.001061 | 94.44 | None | No | 0.01 | NP (NDs) |
| Chromium (mg/L) | DGWC-42 | 0.005 | 0.0008 | 0.1 | No 19 | 0.003486 | 0.002065 | 63.16 | None | No | 0.01 | NP (NDs) |
| Chromium (mg/L) | DGWC-47 | 0.005 | 0.0007 | 0.1 | No 19 | 0.004774 | 0.0009865 | 94.74 | None | No | 0.01 | NP (NDs) |
| Chromium (mg/L) | DGWC-48 | 0.005 | 0.0007 | 0.1 | No 19 | 0.004532 | 0.001404 | 89.47 | None | No | 0.01 | NP (NDs) |
| Chromium (mg/L) | DGWC-5 | 0.005 | 0.00045 | 0.1 | No 18 | 0.004747 | 0.001072 | 94.44 | None | No | 0.01 | NP (NDs) |
| Chromium (mg/L) | DGWC-8 | 0.005 | 0.0013 | 0.1 | No 18 | 0.003748 | 0.001881 | 66.67 | None | No | 0.01 | NP (NDs) |
| Chromium (mg/L) | DGWC-9 | 0.005 | 0.00061 | 0.1 | No 18 | 0.003505 | 0.002082 | 55.56 | None | No | 0.01 | NP (NDs) |
| Cobalt (mg/L) | B-100 | 0.07002 | 0.01754 | 0.032 | No 10 | 0.04435 | 0.02859 | 10 | None | sqrt(x) | 0.01 | Param. |
| Cobalt (mg/L) | B-101D | 0.003522 | 0.002307 | 0.032 | No 7 | 0.002914 | 0.0005113 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | B-102D | 0.01471 | 0.01104 | 0.032 | No 8 | 0.01288 | 0.001727 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | B-104D | 0.1915 | 0.1177 | 0.032 | Yes 8 | 0.155 | 0.03742 | 0 | None | x^2 | 0.01 | Param. |
| Cobalt (mg/L) | B-106D | 0.005 | 0.00056 | 0.032 | No 7 | 0.003161 | 0.002295 | 57.14 | None | No | 0.008 | NP (NDs) |
| Cobalt (mg/L) | B-107D | 0.001426 | 0.0005509 | 0.032 | No 7 | 0.0009886 | 0.0003684 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | B-108D | 0.0048 | 0.00045 | 0.032 | No 7 | 0.001609 | 0.001488 | 0 | None | No | 0.008 | NP (selected) |
| Cobalt (mg/L) | B-111D | 0.005 | 0.0004 | 0.032 | No 8 | 0.002224 | 0.002302 | 37.5 | None | No | 0.004 | NP (normality) |
| Cobalt (mg/L) | B-120D | 0.017 | 0.0022 | 0.032 | No 6 | 0.005733 | 0.005668 | 0 | None | No | 0.0155 | NP (selected) |
| Cobalt (mg/L) | B-56 | 0.05661 | 0.04339 | 0.032 | Yes 8 | 0.05 | 0.006234 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | B-62 | 0.005 | 0.00031 | 0.032 | No 12 | 0.004217 | 0.001828 | 83.33 | None | No | 0.01 | NP (NDs) |
| Cobalt (mg/L) | B-63 | 0.04999 | 0.03545 | 0.032 | Yes 9 | 0.04272 | 0.00753 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | B-66 | 0.01571 | 0.006605 | 0.032 | No 9 | 0.01116 | 0.004714 | 11.11 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | B-77 | 0.005 | 0.0011 | 0.032 | No 10 | 0.00334 | 0.001877 | 50 | None | No | 0.011 | NP (normality) |
| Cobalt (mg/L) | B-82 | 0.005192 | 0.0018 | 0.032 | No 10 | 0.003525 | 0.002207 | 0 | None | sqrt(x) | 0.01 | Param. |
| Cobalt (mg/L) | B-83 | 0.01713 | 0.00891 | 0.032 | No 9 | 0.01302 | 0.004259 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | B-88 | 0.022 | 0.00135 | 0.032 | No 9 | 0.006317 | 0.007864 | 0 | None | No | 0.002 | NP (normality) |
| Cobalt (mg/L) | B-92 | 0.09426 | 0.03414 | 0.032 | Yes 5 | 0.0642 | 0.01794 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | B-93 | 0.06738 | 0.05571 | 0.032 | Yes 9 | 0.06111 | 0.008253 | 0 | None | x^4 | 0.01 | Param. |
| Cobalt (mg/L) | B-97 | 0.0033 | 0.0029 | 0.032 | No 5 | 0.00302 | 0.0001643 | 0 | None | No | 0.031 | NP (normality) |
| Cobalt (mg/L) | B-98 | 0.005 | 0.00063 | 0.032 | No 7 | 0.004347 | 0.001641 | 71.43 | None | No | 0.008 | NP (NDs) |
| Cobalt (mg/L) | DGWC-10 | 0.193 | 0.086 | 0.032 | Yes 18 | 0.1403 | 0.05094 | 0 | None | No | 0.01 | NP (normality) |
| Cobalt (mg/L) | DGWC-11 | 0.01 | 0.00065 | 0.032 | No 18 | 0.003924 | 0.004428 | 33.33 | None | No | 0.01 | NP (normality) |
| Cobalt (mg/L) | DGWC-12 | 0.01387 | 0.004433 | 0.032 | No 20 | 0.01042 | 0.00976 | 10 | None | sqrt(x) | 0.01 | Param. |
| Cobalt (mg/L) | DGWC-13 | 0.005 | 0.0005 | 0.032 | No 18 | 0.004238 | 0.001754 | 83.33 | None | No | 0.01 | NP (NDs) |
| Cobalt (mg/L) | DGWC-15 | 0.0028 | 0.0016 | 0.032 | No 19 | 0.003363 | 0.005323 | 5.263 | None | No | 0.01 | NP (normality) |
| Cobalt (mg/L) | DGWC-17 | 0.02561 | 0.01848 | 0.032 | No 19 | 0.02205 | 0.006093 | 5.263 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | DGWC-19 | 0.0533 | 0.04998 | 0.032 | Yes 19 | 0.05164 | 0.002838 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | DGWC-2 | 0.01871 | 0.006293 | 0.032 | No 19 | 0.01451 | 0.0119 | 0 | None | x^(1/3) | 0.01 | Param. |
| Cobalt (mg/L) | DGWC-20 | 0.7547 | 0.506 | 0.032 | Yes 19 | 0.6559 | 0.2549 | 0 | None | ln(x) | 0.01 | Param. |
| Cobalt (mg/L) | DGWC-21 | 0.009608 | 0.008469 | 0.032 | No 19 | 0.008737 | 0.001529 | 10.53 | None | x^5 | 0.01 | Param. |
| Cobalt (mg/L) | DGWC-22 | 0.009524 | 0.007423 | 0.032 | No 19 | 0.008474 | 0.001794 | 10.53 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | DGWC-23 | 0.005 | 0.00043 | 0.032 | No 19 | 0.002892 | 0.002826 | 47.37 | None | No | 0.01 | NP (normality) |
| Cobalt (mg/L) | DGWC-4 | 0.002 | 0.0017 | 0.032 | No 18 | 0.002117 | 0.001065 | 11.11 | None | No | 0.01 | NP (normality) |
| Cobalt (mg/L) | DGWC-42 | 0.03424 | 0.01286 | 0.032 | No 19 | 0.02581 | 0.02042 | 0 | None | sqrt(x) | 0.01 | Param. |
| Cobalt (mg/L) | DGWC-47 | 0.3539 | 0.2388 | 0.032 | Yes 19 | 0.2964 | 0.09827 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | DGWC-48 | 0.4783 | 0.3733 | 0.032 | Yes 19 | 0.4258 | 0.08964 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | DGWC-5 | 0.0351 | 0.02 | 0.032 | No 18 | 0.02668 | 0.01021 | 0 | None | No | 0.01 | NP (normality) |
| Cobalt (mg/L) | DGWC-8 | 0.07529 | 0.03046 | 0.032 | No 18 | 0.05288 | 0.03705 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | DGWC-9 | 0.2082 | 0.1546 | 0.032 | Yes 18 | 0.1814 | 0.04426 | 0 | None | No | 0.01 | Param. |

Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 1/16/2024, 2:23 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Compliance | Sig. N | Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|--|---------------|--------------|--------------|------------|--------------|--------------|--------------|----------|--------------|-----------|-------------|----------------|
| Combined Radium 226 + 228 (pCi/L) | B-100 | 1.134 | 0.3305 | 5 | No 8 | 0.7325 | 0.3792 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | B-101D | 2.211 | 0.8531 | 5 | No 7 | 1.532 | 0.5718 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | B-102D | 1.74 | 0.61 | 5 | No 8 | 0.9435 | 0.4151 | 0 | None | No | 0.004 | NP (normality) |
| Combined Radium 226 + 228 (pCi/L) | B-104D | 16.21 | 10.3 | 5 | Yes 8 | 13.25 | 2.789 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | B-106D | 0.8362 | 0.4835 | 5 | No 7 | 0.6599 | 0.1484 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | B-107D | 1.766 | 0.43 | 5 | No 7 | 1.098 | 0.5624 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | B-108D | 1.7 | 0.7324 | 5 | No 7 | 1.216 | 0.4074 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | B-111D | 10.51 | 5.024 | 5 | Yes 8 | 7.765 | 2.586 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | B-120D | 3.68 | 1.21 | 5 | No 6 | 2.162 | 0.8412 | 0 | None | No | 0.0155 | NP (selected) |
| Combined Radium 226 + 228 (pCi/L) | B-56 | 1.203 | 0.7613 | 5 | No 8 | 0.982 | 0.2082 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | B-62 | 1.992 | 1.426 | 5 | No 10 | 1.709 | 0.3175 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | B-63 | 1.919 | 0.811 | 5 | No 7 | 1.365 | 0.4663 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | B-66 | 1.07 | 0 | 5 | No 7 | 0.6854 | 0.3655 | 0 | None | No | 0.008 | NP (selected) |
| Combined Radium 226 + 228 (pCi/L) | B-77 | 1.854 | 0.7112 | 5 | No 9 | 1.279 | 0.6205 | 0 | None | sqrt(x) | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | B-82 | 0.9082 | 0.362 | 5 | No 8 | 0.6351 | 0.2576 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | B-83 | 0.958 | 0.1907 | 5 | No 9 | 0.5743 | 0.3973 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | B-88 | 2.34 | 0.751 | 5 | No 8 | 1.546 | 0.7498 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | B-92 | 2.48 | 0.8997 | 5 | No 5 | 1.69 | 0.4716 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | B-93 | 1.67 | 0.8134 | 5 | No 8 | 1.242 | 0.4041 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | B-97 | 2.123 | 0.7089 | 5 | No 5 | 1.416 | 0.422 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | B-98 | 2.2 | 0.52 | 5 | No 5 | 1.369 | 0.7274 | 0 | None | No | 0.031 | NP (selected) |
| Combined Radium 226 + 228 (pCi/L) | DGWC-10 | 1.435 | 1.09 | 5 | No 19 | 1.262 | 0.2943 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | DGWC-11 | 1.207 | 0.7176 | 5 | No 19 | 0.9624 | 0.4181 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | DGWC-12 | 1.155 | 0.4803 | 5 | No 19 | 0.8819 | 0.638 | 0 | None | sqrt(x) | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | DGWC-13 | 1.375 | 0.9148 | 5 | No 19 | 1.145 | 0.3933 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | DGWC-14 | 1.015 | 0.6444 | 5 | No 19 | 0.8299 | 0.3168 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | DGWC-15 | 1.35 | 0.5899 | 5 | No 19 | 1.038 | 0.7914 | 0 | None | sqrt(x) | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | DGWC-17 | 0.9891 | 0.6087 | 5 | No 19 | 0.7989 | 0.3249 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | DGWC-19 | 0.9779 | 0.5263 | 5 | No 19 | 0.7521 | 0.3855 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | DGWC-2 | 1.307 | 0.8037 | 5 | No 19 | 1.056 | 0.43 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | DGWC-20 | 1.528 | 0.9693 | 5 | No 19 | 1.248 | 0.4766 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | DGWC-21 | 1.012 | 0.5623 | 5 | No 19 | 0.7871 | 0.3838 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | DGWC-22 | 1.245 | 0.7119 | 5 | No 19 | 0.9786 | 0.4556 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | DGWC-23 | 1.416 | 0.8462 | 5 | No 19 | 1.131 | 0.4867 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | DGWC-4 | 1.634 | 1.185 | 5 | No 19 | 1.41 | 0.3835 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | DGWC-42 | 1.142 | 0.6804 | 5 | No 19 | 0.9112 | 0.3942 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | DGWC-47 | 2.685 | 1.726 | 5 | No 19 | 2.206 | 0.8183 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | DGWC-48 | 2.252 | 1.449 | 5 | No 19 | 1.85 | 0.6857 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | DGWC-5 | 1.675 | 1.002 | 5 | No 19 | 1.339 | 0.5749 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | DGWC-8 | 0.8071 | 0.511 | 5 | No 19 | 0.6591 | 0.2529 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | DGWC-9 | 1.38 | 0.9599 | 5 | No 18 | 1.17 | 0.3469 | 0 | None | No | 0.01 | Param. |
| Fluoride (mg/L) | B-100 | 0.1 | 0.052 | 4 | No 8 | 0.0905 | 0.01838 | 75 | None | No | 0.004 | NP (NDs) |
| Fluoride (mg/L) | B-101D | 0.11 | 0.051 | 4 | No 7 | 0.08071 | 0.02712 | 28.57 | None | No | 0.008 | NP (selected) |
| Fluoride (mg/L) | B-102D | 0.107 | 0.07101 | 4 | No 8 | 0.089 | 0.01697 | 0 | None | No | 0.01 | Param. |
| Fluoride (mg/L) | B-104D | 0.4391 | 0.2884 | 4 | No 8 | 0.3638 | 0.0711 | 0 | None | No | 0.01 | Param. |
| Fluoride (mg/L) | B-106D | 0.07371 | 0.04715 | 4 | No 7 | 0.06043 | 0.01118 | 14.29 | None | No | 0.01 | Param. |
| Fluoride (mg/L) | B-107D | 0.1 | 0.053 | 4 | No 7 | 0.09329 | 0.01776 | 85.71 | None | No | 0.008 | NP (NDs) |
| Fluoride (mg/L) | B-108D | 0.1 | 0.061 | 4 | No 7 | 0.09443 | 0.01474 | 85.71 | None | No | 0.008 | NP (NDs) |
| Fluoride (mg/L) | B-111D | 0.57 | 0.32 | 4 | No 8 | 0.4013 | 0.08967 | 0 | None | No | 0.004 | NP (normality) |
| Fluoride (mg/L) | B-120D | 0.1 | 0.052 | 4 | No 6 | 0.08483 | 0.02355 | 66.67 | None | No | 0.0155 | NP (NDs) |
| Fluoride (mg/L) | B-56 | 0.2819 | 0.1401 | 4 | No 8 | 0.211 | 0.06691 | 0 | None | No | 0.01 | Param. |
| Fluoride (mg/L) | B-62 | 0.23 | 0.099 | 4 | No 10 | 0.1632 | 0.1017 | 0 | None | No | 0.011 | NP (normality) |
| Fluoride (mg/L) | B-63 | 0.45 | 0.12 | 4 | No 7 | 0.1886 | 0.1187 | 0 | None | No | 0.008 | NP (normality) |
| Fluoride (mg/L) | B-66 | 0.3829 | 0.08636 | 4 | No 7 | 0.2243 | 0.1426 | 0 | None | sqrt(x) | 0.01 | Param. |
| Fluoride (mg/L) | B-77 | 0.1 | 0.069 | 4 | No 9 | 0.088 | 0.01381 | 44.44 | None | No | 0.002 | NP (normality) |
| Fluoride (mg/L) | B-82 | 0.1346 | 0.05246 | 4 | No 8 | 0.1034 | 0.04301 | 37.5 | Kaplan-Meier | sqrt(x) | 0.01 | Param. |
| Fluoride (mg/L) | B-83 | 0.1074 | 0.05862 | 4 | No 9 | 0.08944 | 0.0258 | 22.22 | Kaplan-Meier | No | 0.01 | Param. |
| Fluoride (mg/L) | B-88 | 0.1 | 0.054 | 4 | No 8 | 0.09425 | 0.01626 | 87.5 | Kaplan-Meier | No | 0.004 | NP (NDs) |
| Fluoride (mg/L) | B-92 | 0.316 | 0.156 | 4 | No 5 | 0.236 | 0.04775 | 0 | None | No | 0.01 | Param. |
| Fluoride (mg/L) | B-93 | 0.4032 | 0.2893 | 4 | No 8 | 0.3463 | 0.0537 | 0 | None | No | 0.01 | Param. |

Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 1/16/2024, 2:23 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Compliance | Sig. N | Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|-----------------|---------|------------|------------|------------|--------|-----------|-----------|-------|--------------|-----------|--------|----------------|
| Fluoride (mg/L) | B-97 | 0.1437 | 0.06902 | 4 | No 5 | 0.1016 | 0.02388 | 0 | None | ln(x) | 0.01 | Param. |
| Fluoride (mg/L) | B-98 | 0.2125 | 0.06674 | 4 | No 5 | 0.1396 | 0.04348 | 0 | None | No | 0.01 | Param. |
| Fluoride (mg/L) | DGWC-10 | 1.769 | 1.302 | 4 | No 20 | 1.536 | 0.4118 | 0 | None | No | 0.01 | Param. |
| Fluoride (mg/L) | DGWC-11 | 0.1 | 0.06 | 4 | No 19 | 0.08263 | 0.02457 | 63.16 | None | No | 0.01 | NP (NDs) |
| Fluoride (mg/L) | DGWC-12 | 0.1449 | 0.06163 | 4 | No 20 | 0.1471 | 0.1312 | 30 | Kaplan-Meier | ln(x) | 0.01 | Param. |
| Fluoride (mg/L) | DGWC-13 | 0.1547 | 0.07987 | 4 | No 19 | 0.132 | 0.09503 | 5.263 | None | ln(x) | 0.01 | Param. |
| Fluoride (mg/L) | DGWC-14 | 0.1 | 0.06 | 4 | No 20 | 0.085 | 0.02507 | 65 | None | No | 0.01 | NP (NDs) |
| Fluoride (mg/L) | DGWC-15 | 0.11 | 0.079 | 4 | No 20 | 0.1008 | 0.04067 | 60 | None | No | 0.01 | NP (NDs) |
| Fluoride (mg/L) | DGWC-17 | 0.2118 | 0.0951 | 4 | No 20 | 0.183 | 0.1445 | 15 | None | ln(x) | 0.01 | Param. |
| Fluoride (mg/L) | DGWC-19 | 0.4074 | 0.1668 | 4 | No 20 | 0.326 | 0.2917 | 5 | None | x^(1/3) | 0.01 | Param. |
| Fluoride (mg/L) | DGWC-2 | 0.28 | 0.06 | 4 | No 20 | 0.1309 | 0.1432 | 35 | None | No | 0.01 | NP (normality) |
| Fluoride (mg/L) | DGWC-20 | 1.019 | 0.5046 | 4 | No 20 | 0.762 | 0.4533 | 5 | None | No | 0.01 | Param. |
| Fluoride (mg/L) | DGWC-21 | 0.14 | 0.07 | 4 | No 20 | 0.1006 | 0.06128 | 55 | None | No | 0.01 | NP (NDs) |
| Fluoride (mg/L) | DGWC-22 | 0.1021 | 0.054 | 4 | No 20 | 0.1088 | 0.06196 | 45 | Kaplan-Meier | ln(x) | 0.01 | Param. |
| Fluoride (mg/L) | DGWC-23 | 0.1789 | 0.08621 | 4 | No 20 | 0.1575 | 0.1414 | 10 | None | ln(x) | 0.01 | Param. |
| Fluoride (mg/L) | DGWC-4 | 0.17 | 0.096 | 4 | No 20 | 0.127 | 0.1591 | 65 | None | No | 0.01 | NP (NDs) |
| Fluoride (mg/L) | DGWC-42 | 0.1 | 0.06 | 4 | No 20 | 0.094 | 0.01957 | 90 | None | No | 0.01 | NP (NDs) |
| Fluoride (mg/L) | DGWC-47 | 1.024 | 0.5131 | 4 | No 20 | 0.7685 | 0.4497 | 0 | None | No | 0.01 | Param. |
| Fluoride (mg/L) | DGWC-48 | 1.013 | 0.5653 | 4 | No 20 | 0.821 | 0.4283 | 0 | None | sqrt(x) | 0.01 | Param. |
| Fluoride (mg/L) | DGWC-5 | 1 | 0.15 | 4 | No 19 | 0.4826 | 0.4359 | 5.263 | None | No | 0.01 | NP (normality) |
| Fluoride (mg/L) | DGWC-8 | 0.2558 | 0.0913 | 4 | No 19 | 0.2474 | 0.2208 | 15.79 | Kaplan-Meier | ln(x) | 0.01 | Param. |
| Fluoride (mg/L) | DGWC-9 | 1.33 | 0.9596 | 4 | No 19 | 1.145 | 0.3161 | 0 | None | No | 0.01 | Param. |
| Lead (mg/L) | B-100 | 0.001 | 0.000088 | 0.015 | No 8 | 0.0006848 | 0.0004364 | 62.5 | None | No | 0.004 | NP (NDs) |
| Lead (mg/L) | B-101D | 0.001 | 0.000065 | 0.015 | No 7 | 0.0008664 | 0.0003534 | 85.71 | None | No | 0.008 | NP (NDs) |
| Lead (mg/L) | B-102D | 0.001 | 0.000037 | 0.015 | No 8 | 0.0006433 | 0.0004924 | 62.5 | None | No | 0.004 | NP (NDs) |
| Lead (mg/L) | B-104D | 0.001 | 0.000051 | 0.015 | No 8 | 0.0008814 | 0.0003355 | 87.5 | None | No | 0.004 | NP (NDs) |
| Lead (mg/L) | B-107D | 0.001 | 0.000044 | 0.015 | No 7 | 0.0008634 | 0.0003613 | 85.71 | None | No | 0.008 | NP (NDs) |
| Lead (mg/L) | B-108D | 0.0025 | 0.001 | 0.015 | No 7 | 0.001214 | 0.0005669 | 85.71 | None | No | 0.008 | NP (NDs) |
| Lead (mg/L) | B-111D | 0.001 | 0.000051 | 0.015 | No 8 | 0.0007636 | 0.0004377 | 75 | None | No | 0.004 | NP (NDs) |
| Lead (mg/L) | B-120D | 0.001 | 0.00019 | 0.015 | No 6 | 0.000865 | 0.0003307 | 83.33 | None | No | 0.0155 | NP (NDs) |
| Lead (mg/L) | B-56 | 0.001 | 0.000091 | 0.015 | No 8 | 0.0006764 | 0.0004483 | 62.5 | None | No | 0.004 | NP (NDs) |
| Lead (mg/L) | B-63 | 0.001 | 0.000047 | 0.015 | No 8 | 0.000765 | 0.0004352 | 75 | None | No | 0.004 | NP (NDs) |
| Lead (mg/L) | B-77 | 0.001 | 0.00029 | 0.015 | No 10 | 0.000842 | 0.0004347 | 60 | None | No | 0.011 | NP (NDs) |
| Lead (mg/L) | B-82 | 0.001 | 0.000059 | 0.015 | No 9 | 0.0007032 | 0.0004459 | 66.67 | None | No | 0.002 | NP (NDs) |
| Lead (mg/L) | B-83 | 0.001 | 0.000065 | 0.015 | No 9 | 0.0006972 | 0.0004357 | 55.56 | None | No | 0.002 | NP (NDs) |
| Lead (mg/L) | B-88 | 0.012 | 0.00035 | 0.015 | No 8 | 0.002408 | 0.003911 | 37.5 | None | No | 0.004 | NP (normality) |
| Lead (mg/L) | B-93 | 0.001 | 0.00012 | 0.015 | No 8 | 0.00078 | 0.0004074 | 75 | None | No | 0.004 | NP (NDs) |
| Lead (mg/L) | DGWC-10 | 0.01 | 0.00013 | 0.015 | No 18 | 0.00671 | 0.004788 | 66.67 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | DGWC-11 | 0.001 | 0.00012 | 0.015 | No 18 | 0.0007499 | 0.0004153 | 72.22 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | DGWC-12 | 0.001 | 0.00011 | 0.015 | No 20 | 0.0009105 | 0.0002755 | 90 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | DGWC-13 | 0.001 | 0.0002 | 0.015 | No 18 | 0.0009054 | 0.0002758 | 88.89 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | DGWC-14 | 0.001 | 0.000096 | 0.015 | No 19 | 0.0008538 | 0.0003469 | 84.21 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | DGWC-15 | 0.0012 | 0.0002 | 0.015 | No 19 | 0.0007758 | 0.0004132 | 68.42 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | DGWC-17 | 0.001 | 0.0001 | 0.015 | No 19 | 0.0006733 | 0.00044 | 63.16 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | DGWC-19 | 0.001 | 0.00016 | 0.015 | No 19 | 0.0007678 | 0.0004016 | 73.68 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | DGWC-2 | 0.001 | 0.00009 | 0.015 | No 19 | 0.0006176 | 0.000461 | 57.89 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | DGWC-20 | 0.1 | 0.00044 | 0.015 | No 19 | 0.06852 | 0.0476 | 68.42 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | DGWC-21 | 0.001 | 0.00015 | 0.015 | No 19 | 0.0006982 | 0.0004113 | 63.16 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | DGWC-23 | 0.001 | 0.000066 | 0.015 | No 19 | 0.0009508 | 0.0002143 | 94.74 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | DGWC-4 | 0.001 | 0.0002 | 0.015 | No 18 | 0.0008038 | 0.0003786 | 77.78 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | DGWC-42 | 0.0004115 | 0.0001765 | 0.015 | No 19 | 0.0008105 | 0.001096 | 31.58 | Kaplan-Meier | ln(x) | 0.01 | Param. |
| Lead (mg/L) | DGWC-47 | 0.001 | 0.00053 | 0.015 | No 19 | 0.001024 | 0.0009939 | 36.84 | None | No | 0.01 | NP (normality) |
| Lead (mg/L) | DGWC-48 | 0.002 | 0.00093 | 0.015 | No 19 | 0.001516 | 0.001073 | 15.79 | None | No | 0.01 | NP (normality) |
| Lead (mg/L) | DGWC-5 | 0.001 | 0.000063 | 0.015 | No 18 | 0.0006877 | 0.0006171 | 50 | None | No | 0.01 | NP (normality) |
| Lead (mg/L) | DGWC-8 | 0.001 | 0.00023 | 0.015 | No 18 | 0.0007101 | 0.000395 | 61.11 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | DGWC-9 | 0.005 | 0.00028 | 0.015 | No 18 | 0.0042 | 0.001841 | 83.33 | None | No | 0.01 | NP (NDs) |
| Lithium (mg/L) | B-100 | 0.015 | 0.0013 | 0.04 | No 8 | 0.003787 | 0.004548 | 12.5 | None | No | 0.004 | NP (normality) |
| Lithium (mg/L) | B-101D | 0.01476 | 0.008613 | 0.04 | No 7 | 0.01169 | 0.002587 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | B-102D | 0.01432 | 0.01046 | 0.04 | No 8 | 0.01239 | 0.001821 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | B-104D | 0.03987 | 0.03638 | 0.04 | No 8 | 0.03813 | 0.001642 | 0 | None | No | 0.01 | Param. |

Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 1/16/2024, 2:23 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Compliance | Sig. N | Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|-----------------------|----------------|----------------|----------------|-------------|---------------|----------------|----------------|----------|--------------|-----------|-------------|----------------|
| Lithium (mg/L) | B-106D | 0.005696 | 0.004732 | 0.04 | No 7 | 0.005214 | 0.0004059 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | B-107D | 0.01637 | 0.01278 | 0.04 | No 7 | 0.01457 | 0.001512 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | B-108D | 0.016 | 0.014 | 0.04 | No 7 | 0.01471 | 0.0009512 | 0 | None | No | 0.008 | NP (normality) |
| Lithium (mg/L) | B-111D | 0.02727 | 0.01823 | 0.04 | No 8 | 0.02275 | 0.004268 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | B-120D | 0.0928 | 0.0512 | 0.04 | Yes 6 | 0.072 | 0.01514 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | B-125D | 0.1115 | 0 | 0.04 | No 4 | 0.05425 | 0.0252 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | B-56 | 0.005852 | 0.005123 | 0.04 | No 8 | 0.005488 | 0.0003441 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | B-62 | 0.0094 | 0.0078 | 0.04 | No 11 | 0.01008 | 0.004977 | 9.091 | None | No | 0.006 | NP (normality) |
| Lithium (mg/L) | B-63 | 0.025 | 0.0045 | 0.04 | No 9 | 0.008378 | 0.006279 | 11.11 | None | No | 0.002 | NP (normality) |
| Lithium (mg/L) | B-66 | 0.03 | 0.00073 | 0.04 | No 8 | 0.02634 | 0.01035 | 87.5 | None | No | 0.004 | NP (NDs) |
| Lithium (mg/L) | B-77 | 0.03 | 0.0011 | 0.04 | No 10 | 0.01342 | 0.01431 | 40 | None | No | 0.011 | NP (normality) |
| Lithium (mg/L) | B-82 | 0.015 | 0.00073 | 0.04 | No 9 | 0.003159 | 0.004606 | 11.11 | None | No | 0.002 | NP (normality) |
| Lithium (mg/L) | B-83 | 0.003276 | 0.001903 | 0.04 | No 9 | 0.002589 | 0.0008007 | 0 | None | x^(1/3) | 0.01 | Param. |
| Lithium (mg/L) | B-88 | 0.01268 | 0.001639 | 0.04 | No 8 | 0.007263 | 0.009062 | 0 | None | ln(x) | 0.01 | Param. |
| Lithium (mg/L) | B-92 | 0.01705 | 0.009152 | 0.04 | No 5 | 0.0131 | 0.002356 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | B-93 | 0.013 | 0.011 | 0.04 | No 8 | 0.01188 | 0.000991 | 0 | None | No | 0.004 | NP (normality) |
| Lithium (mg/L) | B-97 | 0.0053 | 0.00406 | 0.04 | No 5 | 0.00468 | 0.0003701 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | B-98 | 0.001371 | 0.0008133 | 0.04 | No 5 | 0.001092 | 0.0001663 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | DGWC-10 | 0.0053 | 0.0022 | 0.04 | No 18 | 0.0064 | 0.006885 | 11.11 | None | No | 0.01 | NP (normality) |
| Lithium (mg/L) | DGWC-11 | 0.0027 | 0.0019 | 0.04 | No 18 | 0.003478 | 0.005382 | 5.556 | None | No | 0.01 | NP (normality) |
| Lithium (mg/L) | DGWC-12 | 0.03 | 0.0011 | 0.04 | No 20 | 0.0213 | 0.01363 | 70 | None | No | 0.01 | NP (NDs) |
| Lithium (mg/L) | DGWC-13 | 0.0037 | 0.0029 | 0.04 | No 18 | 0.005678 | 0.007037 | 11.11 | None | No | 0.01 | NP (normality) |
| Lithium (mg/L) | DGWC-14 | 0.0044 | 0.0034 | 0.04 | No 19 | 0.005868 | 0.005726 | 5.263 | None | No | 0.01 | NP (normality) |
| Lithium (mg/L) | DGWC-15 | 0.0064 | 0.0051 | 0.04 | No 18 | 0.006022 | 0.0008708 | 0 | None | No | 0.01 | NP (normality) |
| Lithium (mg/L) | DGWC-17 | 0.03 | 0.0011 | 0.04 | No 19 | 0.02087 | 0.01381 | 68.42 | None | No | 0.01 | NP (NDs) |
| Lithium (mg/L) | DGWC-19 | 0.0034 | 0.003 | 0.04 | No 19 | 0.004274 | 0.005028 | 5.263 | None | No | 0.01 | NP (normality) |
| Lithium (mg/L) | DGWC-2 | 0.0807 | 0.022 | 0.04 | No 19 | 0.04342 | 0.02901 | 5.263 | None | No | 0.01 | NP (normality) |
| Lithium (mg/L) | DGWC-20 | 0.012 | 0.0021 | 0.04 | No 19 | 0.007984 | 0.006547 | 5.263 | None | No | 0.01 | NP (normality) |
| Lithium (mg/L) | DGWC-21 | 0.0063 | 0.0056 | 0.04 | No 19 | 0.006958 | 0.004388 | 5.263 | None | No | 0.01 | NP (normality) |
| Lithium (mg/L) | DGWC-22 | 0.0044 | 0.0034 | 0.04 | No 19 | 0.005032 | 0.004861 | 5.263 | None | No | 0.01 | NP (normality) |
| Lithium (mg/L) | DGWC-23 | 0.014 | 0.0036 | 0.04 | No 19 | 0.01045 | 0.01685 | 5.263 | None | No | 0.01 | NP (normality) |
| Lithium (mg/L) | DGWC-4 | 0.0037 | 0.0026 | 0.04 | No 18 | 0.004339 | 0.005183 | 5.556 | None | No | 0.01 | NP (normality) |
| Lithium (mg/L) | DGWC-42 | 0.012 | 0.0087 | 0.04 | No 19 | 0.01116 | 0.003923 | 5.263 | None | No | 0.01 | NP (normality) |
| Lithium (mg/L) | DGWC-47 | 0.07036 | 0.05388 | 0.04 | Yes 19 | 0.06212 | 0.01407 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | DGWC-48 | 0.122 | 0.1033 | 0.04 | Yes 19 | 0.1127 | 0.01596 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | DGWC-5 | 0.008 | 0.0046 | 0.04 | No 18 | 0.007167 | 0.004789 | 5.556 | None | No | 0.01 | NP (normality) |
| Lithium (mg/L) | DGWC-8 | 0.0066 | 0.0039 | 0.04 | No 18 | 0.006094 | 0.004873 | 5.556 | None | No | 0.01 | NP (normality) |
| Lithium (mg/L) | DGWC-9 | 0.02864 | 0.02485 | 0.04 | No 18 | 0.02674 | 0.003134 | 5.556 | None | No | 0.01 | Param. |
| Mercury (mg/L) | B-100 | 0.0002 | 0.00011 | 0.002 | No 7 | 0.0001871 | 0.00003402 | 85.71 | None | No | 0.008 | NP (NDs) |
| Mercury (mg/L) | B-101D | 0.00029 | 0.00014 | 0.002 | No 7 | 0.0002043 | 0.00004392 | 71.43 | None | No | 0.008 | NP (NDs) |
| Mercury (mg/L) | B-104D | 0.0002 | 0.000079 | 0.002 | No 8 | 0.0001849 | 0.00004278 | 87.5 | None | No | 0.004 | NP (NDs) |
| Mercury (mg/L) | B-107D | 0.0002 | 0.00016 | 0.002 | No 7 | 0.0001943 | 0.00001512 | 85.71 | None | No | 0.008 | NP (NDs) |
| Mercury (mg/L) | B-108D | 0.0002 | 0.00014 | 0.002 | No 7 | 0.0001914 | 0.00002268 | 85.71 | None | No | 0.008 | NP (NDs) |
| Mercury (mg/L) | B-111D | 0.0002 | 0.000094 | 0.002 | No 8 | 0.0001867 | 0.00003748 | 87.5 | None | No | 0.004 | NP (NDs) |
| Mercury (mg/L) | B-56 | 0.00034 | 0.00016 | 0.002 | No 8 | 0.0002125 | 0.00005339 | 75 | None | No | 0.004 | NP (NDs) |
| Mercury (mg/L) | B-66 | 0.00029 | 0.0002 | 0.002 | No 8 | 0.0002112 | 0.00003182 | 87.5 | None | No | 0.004 | NP (NDs) |
| Mercury (mg/L) | B-82 | 0.0002 | 0.00011 | 0.002 | No 9 | 0.00019 | 0.00003 | 88.89 | None | No | 0.002 | NP (NDs) |
| Mercury (mg/L) | B-88 | 0.0002 | 0.0001 | 0.002 | No 8 | 0.0001762 | 0.00004406 | 75 | None | No | 0.004 | NP (NDs) |
| Mercury (mg/L) | B-92 | 0.0001725 | 0.0001409 | 0.002 | No 5 | 0.000178 | 0.00002168 | 40 | Kaplan-Meier | No | 0.01 | Param. |
| Mercury (mg/L) | B-93 | 0.0002227 | 0.0001063 | 0.002 | No 8 | 0.0001885 | 0.00005161 | 37.5 | Kaplan-Meier | No | 0.01 | Param. |
| Mercury (mg/L) | DGWC-10 | 0.0021 | 0.00009 | 0.002 | No 18 | 0.0002789 | 0.0004573 | 72.22 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | DGWC-11 | 0.00048 | 0.00008 | 0.002 | No 18 | 0.0001928 | 0.00008877 | 77.78 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | DGWC-12 | 0.0002 | 0.00009 | 0.002 | No 20 | 0.0001633 | 0.00006038 | 70 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | DGWC-13 | 0.0002 | 0.00009 | 0.002 | No 18 | 0.0001867 | 0.00003896 | 88.89 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | DGWC-14 | 0.0002 | 0.00008 | 0.002 | No 19 | 0.0001784 | 0.00005145 | 84.21 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | DGWC-15 | 0.0002 | 0.00006 | 0.002 | No 19 | 0.0001926 | 0.00003212 | 94.74 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | DGWC-17 | 0.0002 | 0.000082 | 0.002 | No 19 | 0.0001498 | 0.00006038 | 52.63 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | DGWC-19 | 0.0002 | 0.00013 | 0.002 | No 19 | 0.0001742 | 0.00005399 | 78.95 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | DGWC-2 | 0.00064 | 0.000083 | 0.002 | No 19 | 0.0002038 | 0.0001151 | 78.95 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | DGWC-20 | 0.0002 | 0.00009 | 0.002 | No 19 | 0.0001816 | 0.00004375 | 84.21 | None | No | 0.01 | NP (NDs) |

Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 1/16/2024, 2:23 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Compliance | Sig. N | Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|-------------------|---------|------------|------------|------------|--------|-----------|------------|-------|--------------|-----------|--------|----------------|
| Mercury (mg/L) | DGWC-21 | 0.0002 | 0.00008 | 0.002 | No 19 | 0.0001668 | 0.0000585 | 73.68 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | DGWC-22 | 0.0002 | 0.00011 | 0.002 | No 19 | 0.0001713 | 0.00005249 | 73.68 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | DGWC-23 | 0.0002 | 0.00014 | 0.002 | No 19 | 0.0001884 | 0.00005091 | 42.11 | None | No | 0.01 | NP (normality) |
| Mercury (mg/L) | DGWC-4 | 0.00022 | 0.00013 | 0.002 | No 18 | 0.0002057 | 0.0001044 | 72.22 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | DGWC-42 | 0.0002 | 0.00004 | 0.002 | No 19 | 0.0001916 | 0.00003671 | 94.74 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | DGWC-48 | 0.0002 | 0.00006 | 0.002 | No 19 | 0.0001926 | 0.00003212 | 94.74 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | DGWC-5 | 0.0002483 | 0.0001291 | 0.002 | No 18 | 0.0001963 | 0.0001129 | 11.11 | None | sqrt(x) | 0.01 | Param. |
| Mercury (mg/L) | DGWC-8 | 0.0002 | 0.00009 | 0.002 | No 18 | 0.0001567 | 0.00005886 | 61.11 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | DGWC-9 | 0.0002 | 0.00014 | 0.002 | No 18 | 0.0001851 | 0.00008025 | 38.89 | None | No | 0.01 | NP (normality) |
| Molybdenum (mg/L) | B-100 | 0.19 | 0.01 | 0.1 | No 8 | 0.0325 | 0.06364 | 87.5 | None | No | 0.004 | NP (NDs) |
| Molybdenum (mg/L) | B-101D | 0.01 | 0.0022 | 0.1 | No 7 | 0.008886 | 0.002948 | 85.71 | None | No | 0.008 | NP (NDs) |
| Molybdenum (mg/L) | B-102D | 0.01 | 0.0015 | 0.1 | No 8 | 0.008937 | 0.003005 | 87.5 | None | No | 0.004 | NP (NDs) |
| Molybdenum (mg/L) | B-104D | 0.01 | 0.00083 | 0.1 | No 8 | 0.006619 | 0.004668 | 62.5 | None | No | 0.004 | NP (NDs) |
| Molybdenum (mg/L) | B-108D | 0.01 | 0.00078 | 0.1 | No 7 | 0.008683 | 0.003485 | 85.71 | None | No | 0.008 | NP (NDs) |
| Molybdenum (mg/L) | B-111D | 0.013 | 0.0052 | 0.1 | No 8 | 0.007188 | 0.002518 | 0 | None | No | 0.004 | NP (normality) |
| Molybdenum (mg/L) | B-120D | 0.01 | 0.00089 | 0.1 | No 6 | 0.008482 | 0.003719 | 83.33 | None | No | 0.0155 | NP (NDs) |
| Molybdenum (mg/L) | B-66 | 0.01 | 0.0015 | 0.1 | No 8 | 0.007912 | 0.003866 | 75 | None | No | 0.004 | NP (NDs) |
| Molybdenum (mg/L) | B-82 | 0.01 | 0.00081 | 0.1 | No 9 | 0.008979 | 0.003063 | 88.89 | None | No | 0.002 | NP (NDs) |
| Molybdenum (mg/L) | B-88 | 0.01 | 0.0012 | 0.1 | No 8 | 0.0078 | 0.004074 | 75 | None | No | 0.004 | NP (NDs) |
| Molybdenum (mg/L) | B-98 | 0.01 | 0.00075 | 0.1 | No 5 | 0.002898 | 0.003984 | 20 | None | No | 0.031 | NP (normality) |
| Molybdenum (mg/L) | DGWC-13 | 0.02133 | 0.0112 | 0.1 | No 18 | 0.01717 | 0.009402 | 0 | None | x^(1/3) | 0.01 | Param. |
| Molybdenum (mg/L) | DGWC-2 | 0.01 | 0.002 | 0.1 | No 19 | 0.004474 | 0.003876 | 31.58 | None | No | 0.01 | NP (normality) |
| Molybdenum (mg/L) | DGWC-22 | 0.01 | 0.00097 | 0.1 | No 19 | 0.009525 | 0.002072 | 94.74 | None | No | 0.01 | NP (NDs) |
| Molybdenum (mg/L) | DGWC-23 | 0.01051 | 0.007122 | 0.1 | No 19 | 0.008816 | 0.002892 | 0 | None | No | 0.01 | Param. |
| Molybdenum (mg/L) | DGWC-4 | 0.006107 | 0.004359 | 0.1 | No 18 | 0.005233 | 0.001445 | 5.556 | None | No | 0.01 | Param. |
| Selenium (mg/L) | B-100 | 0.005 | 0.0019 | 0.05 | No 8 | 0.004612 | 0.001096 | 87.5 | None | No | 0.004 | NP (NDs) |
| Selenium (mg/L) | B-101D | 0.005 | 0.0031 | 0.05 | No 7 | 0.004729 | 0.0007181 | 85.71 | None | No | 0.008 | NP (NDs) |
| Selenium (mg/L) | B-104D | 0.005 | 0.0016 | 0.05 | No 8 | 0.003512 | 0.001659 | 50 | None | No | 0.004 | NP (normality) |
| Selenium (mg/L) | B-108D | 0.005 | 0.0016 | 0.05 | No 7 | 0.004514 | 0.001285 | 85.71 | None | No | 0.008 | NP (NDs) |
| Selenium (mg/L) | B-111D | 0.005 | 0.0022 | 0.05 | No 8 | 0.00465 | 0.0009899 | 87.5 | None | No | 0.004 | NP (NDs) |
| Selenium (mg/L) | B-120D | 0.00547 | 0.001163 | 0.05 | No 6 | 0.003317 | 0.001568 | 0 | None | No | 0.01 | Param. |
| Selenium (mg/L) | B-56 | 0.029 | 0.0066 | 0.05 | No 8 | 0.01241 | 0.006956 | 0 | None | No | 0.004 | NP (normality) |
| Selenium (mg/L) | B-77 | 0.005 | 0.005 | 0.05 | No 10 | 0.00467 | 0.001044 | 90 | None | No | 0.011 | NP (NDs) |
| Selenium (mg/L) | B-82 | 0.005 | 0.0016 | 0.05 | No 9 | 0.003333 | 0.001599 | 44.44 | None | No | 0.002 | NP (normality) |
| Selenium (mg/L) | B-83 | 0.02598 | 0.01474 | 0.05 | No 9 | 0.02036 | 0.005821 | 0 | None | No | 0.01 | Param. |
| Selenium (mg/L) | B-88 | 0.003118 | 0.001882 | 0.05 | No 8 | 0.0025 | 0.0005831 | 12.5 | None | No | 0.01 | Param. |
| Selenium (mg/L) | B-92 | 0.01261 | 0.001827 | 0.05 | No 5 | 0.00722 | 0.003218 | 0 | None | No | 0.01 | Param. |
| Selenium (mg/L) | B-93 | 0.02241 | 0.005907 | 0.05 | No 8 | 0.01386 | 0.009758 | 0 | None | x^(1/3) | 0.01 | Param. |
| Selenium (mg/L) | B-97 | 0.004145 | 0.001375 | 0.05 | No 5 | 0.00276 | 0.0008264 | 0 | None | No | 0.01 | Param. |
| Selenium (mg/L) | B-98 | 0.005 | 0.0033 | 0.05 | No 5 | 0.00466 | 0.0007603 | 80 | None | No | 0.031 | NP (NDs) |
| Selenium (mg/L) | DGWC-10 | 0.04655 | 0.0216 | 0.05 | No 18 | 0.03407 | 0.02062 | 0 | None | No | 0.01 | Param. |
| Selenium (mg/L) | DGWC-12 | 0.005 | 0.0019 | 0.05 | No 20 | 0.004145 | 0.002061 | 65 | None | No | 0.01 | NP (NDs) |
| Selenium (mg/L) | DGWC-13 | 0.00421 | 0.002216 | 0.05 | No 18 | 0.004822 | 0.002889 | 16.67 | Kaplan-Meier | sqrt(x) | 0.01 | Param. |
| Selenium (mg/L) | DGWC-14 | 0.005 | 0.0016 | 0.05 | No 19 | 0.003837 | 0.002253 | 57.89 | None | No | 0.01 | NP (NDs) |
| Selenium (mg/L) | DGWC-15 | 0.01 | 0.0018 | 0.05 | No 19 | 0.005095 | 0.001396 | 94.74 | None | No | 0.01 | NP (NDs) |
| Selenium (mg/L) | DGWC-17 | 0.008513 | 0.006353 | 0.05 | No 19 | 0.007595 | 0.002204 | 10.53 | None | ln(x) | 0.01 | Param. |
| Selenium (mg/L) | DGWC-19 | 0.007927 | 0.005158 | 0.05 | No 19 | 0.006542 | 0.002364 | 10.53 | None | No | 0.01 | Param. |
| Selenium (mg/L) | DGWC-2 | 0.0051 | 0.0037 | 0.05 | No 19 | 0.004695 | 0.001819 | 42.11 | None | No | 0.01 | NP (normality) |
| Selenium (mg/L) | DGWC-20 | 0.0734 | 0.03809 | 0.05 | No 19 | 0.05575 | 0.03015 | 0 | None | No | 0.01 | Param. |
| Selenium (mg/L) | DGWC-22 | 0.005 | 0.0017 | 0.05 | No 19 | 0.004826 | 0.0007571 | 94.74 | None | No | 0.01 | NP (NDs) |
| Selenium (mg/L) | DGWC-4 | 0.005 | 0.0014 | 0.05 | No 18 | 0.0048 | 0.0008485 | 94.44 | None | No | 0.01 | NP (NDs) |
| Selenium (mg/L) | DGWC-47 | 0.009789 | 0.003722 | 0.05 | No 19 | 0.007389 | 0.005849 | 10.53 | None | sqrt(x) | 0.01 | Param. |
| Selenium (mg/L) | DGWC-48 | 0.00607 | 0.002576 | 0.05 | No 19 | 0.005484 | 0.00304 | 26.32 | Kaplan-Meier | No | 0.01 | Param. |
| Selenium (mg/L) | DGWC-5 | 0.03402 | 0.007935 | 0.05 | No 18 | 0.02699 | 0.03855 | 5.556 | None | x^(1/3) | 0.01 | Param. |
| Selenium (mg/L) | DGWC-8 | 0.0069 | 0.0031 | 0.05 | No 18 | 0.004678 | 0.001883 | 61.11 | None | No | 0.01 | NP (NDs) |
| Selenium (mg/L) | DGWC-9 | 0.1083 | 0.04482 | 0.05 | No 18 | 0.08198 | 0.05719 | 0 | None | sqrt(x) | 0.01 | Param. |
| Thallium (mg/L) | B-104D | 0.001 | 0.00028 | 0.002 | No 8 | 0.00091 | 0.0002546 | 87.5 | None | No | 0.004 | NP (NDs) |
| Thallium (mg/L) | B-56 | 0.0002928 | 0.0001922 | 0.002 | No 8 | 0.0002425 | 0.00004743 | 0 | None | No | 0.01 | Param. |
| Thallium (mg/L) | B-66 | 0.001 | 0.00021 | 0.002 | No 8 | 0.0009013 | 0.0002793 | 87.5 | None | No | 0.004 | NP (NDs) |
| Thallium (mg/L) | B-82 | 0.001 | 0.000099 | 0.002 | No 9 | 0.000801 | 0.0003949 | 77.78 | None | No | 0.002 | NP (NDs) |

Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 1/16/2024, 2:23 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Compliance | Sig. N | Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|-----------------|---------|------------|------------|------------|--------|-----------|------------|-------|---------|-----------|-------|----------------|
| Thallium (mg/L) | B-83 | 0.001 | 0.000072 | 0.002 | No 9 | 0.0008969 | 0.0003093 | 88.89 | None | No | 0.002 | NP (NDs) |
| Thallium (mg/L) | B-88 | 0.001 | 0.0002 | 0.002 | No 8 | 0.0009 | 0.0002828 | 87.5 | None | No | 0.004 | NP (NDs) |
| Thallium (mg/L) | B-92 | 0.001 | 0.0002 | 0.002 | No 5 | 0.000682 | 0.0004355 | 60 | None | No | 0.031 | NP (NDs) |
| Thallium (mg/L) | DGWC-10 | 0.001 | 0.00036 | 0.002 | No 18 | 0.002567 | 0.004091 | 27.78 | None | No | 0.01 | NP (normality) |
| Thallium (mg/L) | DGWC-12 | 0.001 | 0.000091 | 0.002 | No 20 | 0.0006439 | 0.0004483 | 60 | None | No | 0.01 | NP (NDs) |
| Thallium (mg/L) | DGWC-14 | 0.001 | 0.00056 | 0.002 | No 19 | 0.0009768 | 0.0001009 | 94.74 | None | No | 0.01 | NP (NDs) |
| Thallium (mg/L) | DGWC-17 | 0.001 | 0.00017 | 0.002 | No 19 | 0.0005247 | 0.0004167 | 42.11 | None | No | 0.01 | NP (normality) |
| Thallium (mg/L) | DGWC-19 | 0.0005534 | 0.0004903 | 0.002 | No 19 | 0.00052 | 0.00005588 | 5.263 | None | x^2 | 0.01 | Param. |
| Thallium (mg/L) | DGWC-20 | 0.1 | 0.0006 | 0.002 | No 19 | 0.02705 | 0.04479 | 31.58 | None | No | 0.01 | NP (normality) |
| Thallium (mg/L) | DGWC-22 | 0.001 | 0.00007 | 0.002 | No 19 | 0.0007544 | 0.0004222 | 73.68 | None | No | 0.01 | NP (NDs) |
| Thallium (mg/L) | DGWC-4 | 0.001 | 0.000073 | 0.002 | No 18 | 0.0009485 | 0.0002185 | 94.44 | None | No | 0.01 | NP (NDs) |
| Thallium (mg/L) | DGWC-42 | 0.001 | 0.00028 | 0.002 | No 19 | 0.0007694 | 0.0003986 | 73.68 | None | No | 0.01 | NP (NDs) |
| Thallium (mg/L) | DGWC-47 | 0.00032 | 0.0002 | 0.002 | No 19 | 0.0002721 | 0.00009437 | 10.53 | None | No | 0.01 | NP (normality) |
| Thallium (mg/L) | DGWC-48 | 0.001 | 0.00009 | 0.002 | No 19 | 0.0007582 | 0.0004157 | 73.68 | None | No | 0.01 | NP (NDs) |
| Thallium (mg/L) | DGWC-5 | 0.001 | 0.0002 | 0.002 | No 18 | 0.0008522 | 0.000341 | 83.33 | None | No | 0.01 | NP (NDs) |
| Thallium (mg/L) | DGWC-8 | 0.001 | 0.00019 | 0.002 | No 18 | 0.0004794 | 0.0003817 | 33.33 | None | No | 0.01 | NP (normality) |
| Thallium (mg/L) | DGWC-9 | 0.005 | 0.00044 | 0.002 | No 18 | 0.00253 | 0.002276 | 44.44 | None | No | 0.01 | NP (normality) |

Appendix IV Trend Tests - Significant Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 1/16/2024, 2:37 PM

| Constituent | Well | Slope | Calc. | Critical | Sig. | N | %NDs | Normality | Alpha | Method |
|-----------------------------------|---------------|------------|-------|----------|------|----|-------|-----------|-------|--------|
| Beryllium (mg/L) | DGWA-70A (bg) | -0.0004561 | -84 | -58 | Yes | 19 | 42.11 | n/a | 0.05 | NP |
| Beryllium (mg/L) | DGWC-47 | -0.0008064 | -87 | -58 | Yes | 19 | 0 | n/a | 0.05 | NP |
| Beryllium (mg/L) | DGWC-48 | -0.0003897 | -108 | -58 | Yes | 19 | 0 | n/a | 0.05 | NP |
| Beryllium (mg/L) | DGWC-5 | 0.0003568 | 54 | 53 | Yes | 18 | 0 | n/a | 0.05 | NP |
| Cobalt (mg/L) | B-56 | 0.004968 | 21 | 17 | Yes | 8 | 0 | n/a | 0.05 | NP |
| Cobalt (mg/L) | DGWA-53 (bg) | -0.003507 | -107 | -58 | Yes | 19 | 0 | n/a | 0.05 | NP |
| Cobalt (mg/L) | DGWA-71 (bg) | 0 | 55 | 53 | Yes | 18 | 72.22 | n/a | 0.05 | NP |
| Cobalt (mg/L) | DGWC-10 | -0.01964 | -91 | -53 | Yes | 18 | 0 | n/a | 0.05 | NP |
| Cobalt (mg/L) | DGWC-20 | 0.06798 | 80 | 58 | Yes | 19 | 0 | n/a | 0.05 | NP |
| Cobalt (mg/L) | DGWC-47 | -0.0361 | -121 | -58 | Yes | 19 | 0 | n/a | 0.05 | NP |
| Cobalt (mg/L) | DGWC-48 | -0.03946 | -150 | -58 | Yes | 19 | 0 | n/a | 0.05 | NP |
| Cobalt (mg/L) | DGWC-8 | -0.0136 | -115 | -53 | Yes | 18 | 0 | n/a | 0.05 | NP |
| Cobalt (mg/L) | DGWC-9 | 0.01916 | 101 | 53 | Yes | 18 | 0 | n/a | 0.05 | NP |
| Combined Radium 226 + 228 (pCi/L) | DGWA-53 (bg) | -0.4485 | -87 | -58 | Yes | 19 | 0 | n/a | 0.05 | NP |
| Lithium (mg/L) | B-120D | -0.01173 | -13 | -12 | Yes | 6 | 0 | n/a | 0.05 | NP |
| Lithium (mg/L) | DGWA-71 (bg) | -0.0000751 | -58 | -53 | Yes | 18 | 16.67 | n/a | 0.05 | NP |
| Lithium (mg/L) | DGWC-47 | -0.005638 | -117 | -58 | Yes | 19 | 0 | n/a | 0.05 | NP |
| Lithium (mg/L) | DGWC-48 | -0.005967 | -120 | -58 | Yes | 19 | 0 | n/a | 0.05 | NP |

Appendix IV Trend Tests - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 1/16/2024, 2:37 PM

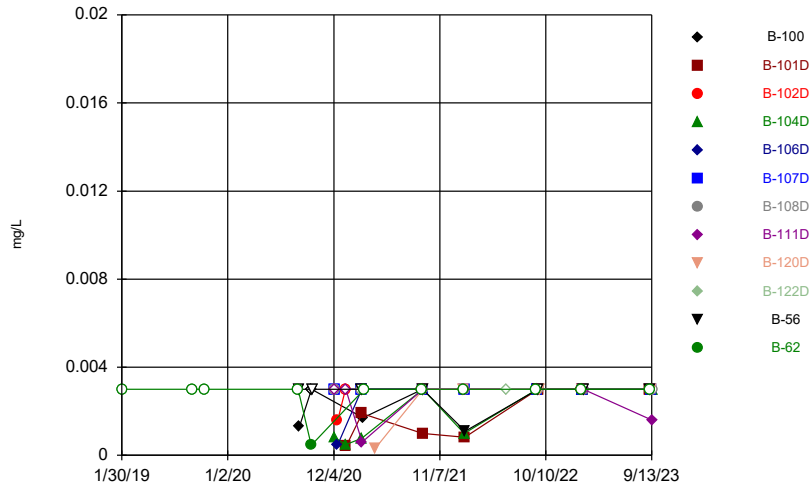
| Constituent | Well | Slope | Calc. | Critical | Sig. | N | %NDs | Normality | Alpha | Method |
|--|----------------------|-------------------|-------------|------------|------------|-----------|--------------|------------|-------------|-----------|
| Arsenic (mg/L) | DGWA-53 (bg) | 0 | 6 | 58 | No | 19 | 57.89 | n/a | 0.05 | NP |
| Arsenic (mg/L) | DGWA-70A (bg) | 0 | -25 | -58 | No | 19 | 84.21 | n/a | 0.05 | NP |
| Arsenic (mg/L) | DGWA-71 (bg) | 0 | 26 | 53 | No | 18 | 83.33 | n/a | 0.05 | NP |
| Arsenic (mg/L) | DGWC-9 | -0.0006814 | -17 | -53 | No | 18 | 5.556 | n/a | 0.05 | NP |
| Beryllium (mg/L) | B-92 | -0.001601 | -10 | -15 | No | 7 | 0 | n/a | 0.05 | NP |
| Beryllium (mg/L) | B-93 | 0.0004174 | 8 | 20 | No | 9 | 0 | n/a | 0.05 | NP |
| Beryllium (mg/L) | DGWA-53 (bg) | 0 | -16 | -58 | No | 19 | 94.74 | n/a | 0.05 | NP |
| Beryllium (mg/L) | DGWA-70A (bg) | -0.0004561 | -84 | -58 | Yes | 19 | 42.11 | n/a | 0.05 | NP |
| Beryllium (mg/L) | DGWA-71 (bg) | -0.00009929 | -48 | -58 | No | 19 | 26.32 | n/a | 0.05 | NP |
| Beryllium (mg/L) | DGWC-10 | 0.0002702 | 18 | 53 | No | 18 | 0 | n/a | 0.05 | NP |
| Beryllium (mg/L) | DGWC-47 | -0.0008064 | -87 | -58 | Yes | 19 | 0 | n/a | 0.05 | NP |
| Beryllium (mg/L) | DGWC-48 | -0.0003897 | -108 | -58 | Yes | 19 | 0 | n/a | 0.05 | NP |
| Beryllium (mg/L) | DGWC-5 | 0.0003568 | 54 | 53 | Yes | 18 | 0 | n/a | 0.05 | NP |
| Beryllium (mg/L) | DGWC-9 | -0.00002099 | -6 | -53 | No | 18 | 0 | n/a | 0.05 | NP |
| Cobalt (mg/L) | B-104D | 0 | -1 | -17 | No | 8 | 0 | n/a | 0.05 | NP |
| Cobalt (mg/L) | B-56 | 0.004968 | 21 | 17 | Yes | 8 | 0 | n/a | 0.05 | NP |
| Cobalt (mg/L) | B-63 | -0.001742 | -5 | -20 | No | 9 | 0 | n/a | 0.05 | NP |
| Cobalt (mg/L) | B-93 | -0.003036 | -15 | -20 | No | 9 | 0 | n/a | 0.05 | NP |
| Cobalt (mg/L) | DGWA-53 (bg) | -0.003507 | -107 | -58 | Yes | 19 | 0 | n/a | 0.05 | NP |
| Cobalt (mg/L) | DGWA-70A (bg) | 0 | 45 | 58 | No | 19 | 57.89 | n/a | 0.05 | NP |
| Cobalt (mg/L) | DGWA-71 (bg) | 0 | 55 | 53 | Yes | 18 | 72.22 | n/a | 0.05 | NP |
| Cobalt (mg/L) | DGWC-10 | -0.01964 | -91 | -53 | Yes | 18 | 0 | n/a | 0.05 | NP |
| Cobalt (mg/L) | DGWC-19 | 0 | -6 | -58 | No | 19 | 0 | n/a | 0.05 | NP |
| Cobalt (mg/L) | DGWC-20 | 0.06798 | 80 | 58 | Yes | 19 | 0 | n/a | 0.05 | NP |
| Cobalt (mg/L) | DGWC-47 | -0.0361 | -121 | -58 | Yes | 19 | 0 | n/a | 0.05 | NP |
| Cobalt (mg/L) | DGWC-48 | -0.03946 | -150 | -58 | Yes | 19 | 0 | n/a | 0.05 | NP |
| Cobalt (mg/L) | DGWC-8 | -0.0136 | -115 | -53 | Yes | 18 | 0 | n/a | 0.05 | NP |
| Cobalt (mg/L) | DGWC-9 | 0.01916 | 101 | 53 | Yes | 18 | 0 | n/a | 0.05 | NP |
| Combined Radium 226 + 228 (pCi/L) | B-104D | -1.115 | -10 | -17 | No | 8 | 0 | n/a | 0.05 | NP |
| Combined Radium 226 + 228 (pCi/L) | DGWA-53 (bg) | -0.4485 | -87 | -58 | Yes | 19 | 0 | n/a | 0.05 | NP |
| Combined Radium 226 + 228 (pCi/L) | DGWA-70A (bg) | 0.002769 | 0 | 62 | No | 20 | 0 | n/a | 0.05 | NP |
| Combined Radium 226 + 228 (pCi/L) | DGWA-71 (bg) | -0.004534 | -4 | -58 | No | 19 | 0 | n/a | 0.05 | NP |
| Lithium (mg/L) | B-120D | -0.01173 | -13 | -12 | Yes | 6 | 0 | n/a | 0.05 | NP |
| Lithium (mg/L) | DGWA-53 (bg) | -0.0001165 | -31 | -58 | No | 19 | 5.263 | n/a | 0.05 | NP |
| Lithium (mg/L) | DGWA-70A (bg) | 0 | 27 | 58 | No | 19 | 84.21 | n/a | 0.05 | NP |
| Lithium (mg/L) | DGWA-71 (bg) | -0.0000751 | -58 | -53 | Yes | 18 | 16.67 | n/a | 0.05 | NP |
| Lithium (mg/L) | DGWC-47 | -0.005638 | -117 | -58 | Yes | 19 | 0 | n/a | 0.05 | NP |
| Lithium (mg/L) | DGWC-48 | -0.005967 | -120 | -58 | Yes | 19 | 0 | n/a | 0.05 | NP |

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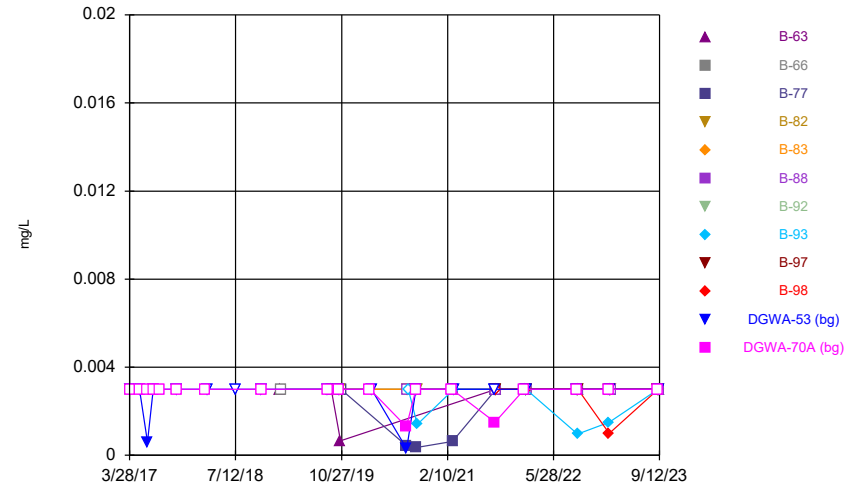
FIGURE A.

Time Series



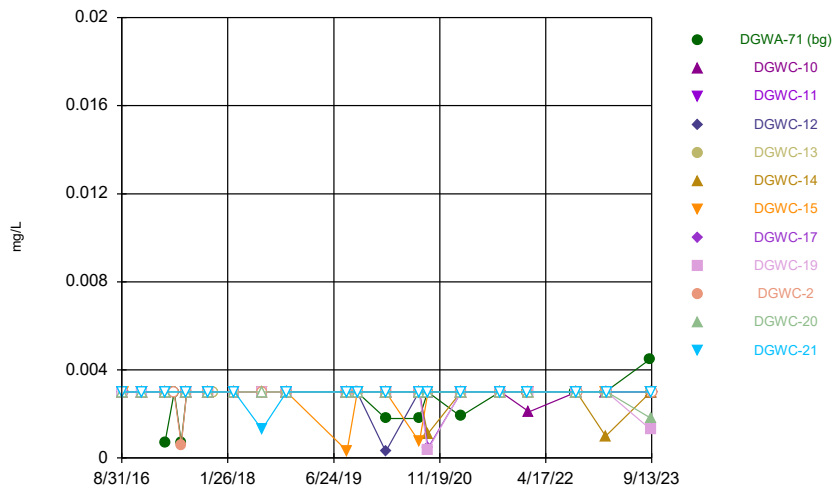
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Time Series



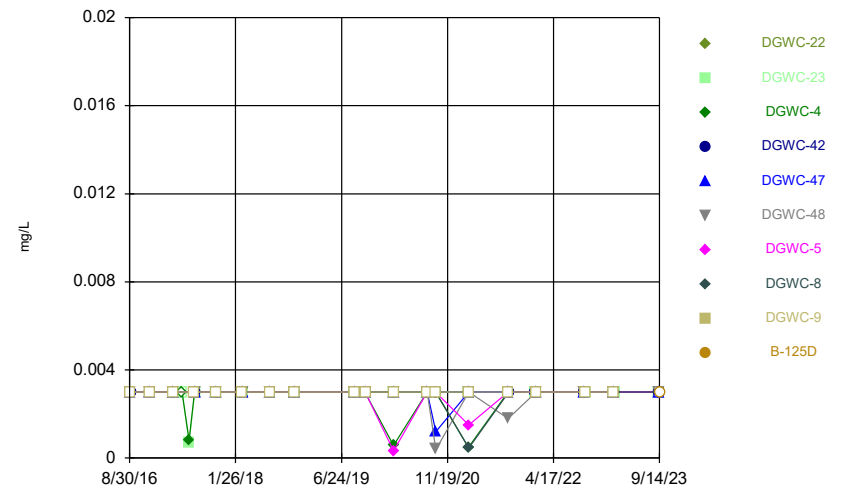
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Time Series



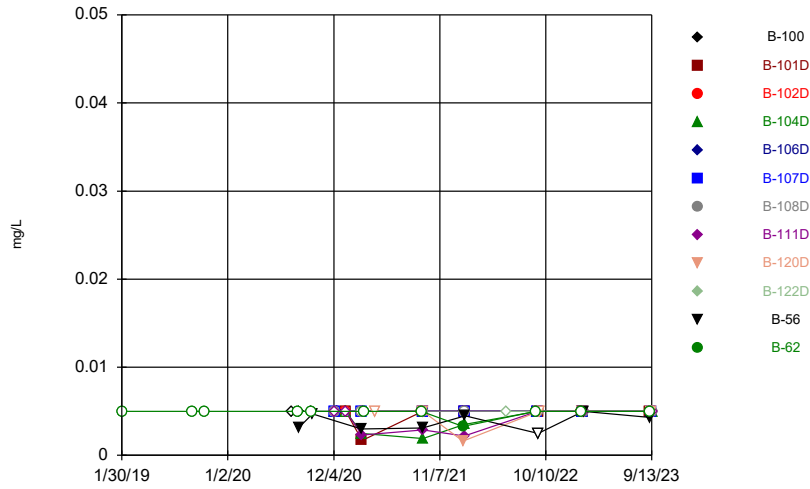
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Time Series



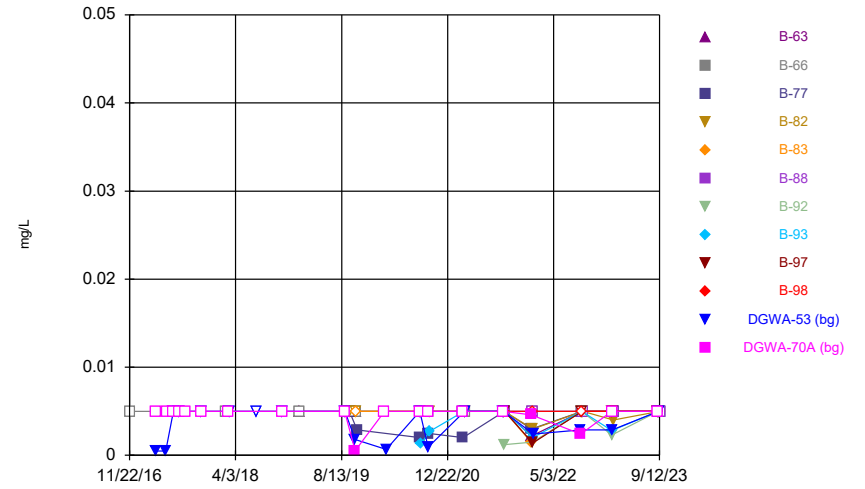
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Time Series



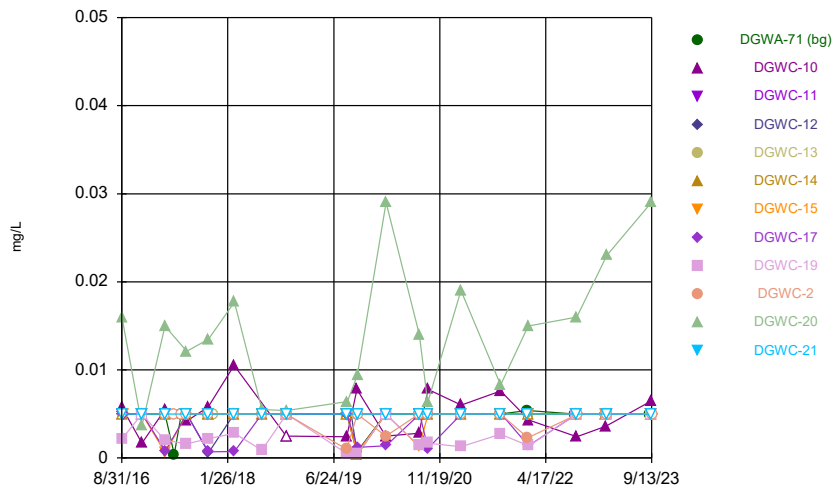
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Time Series



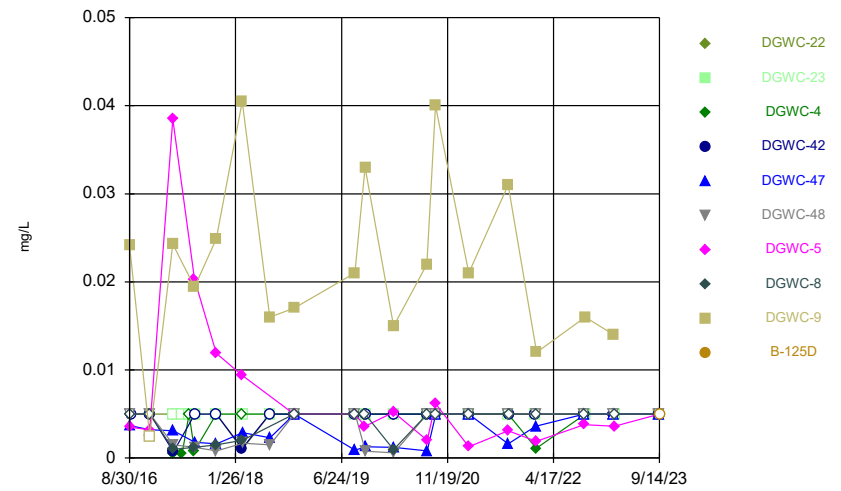
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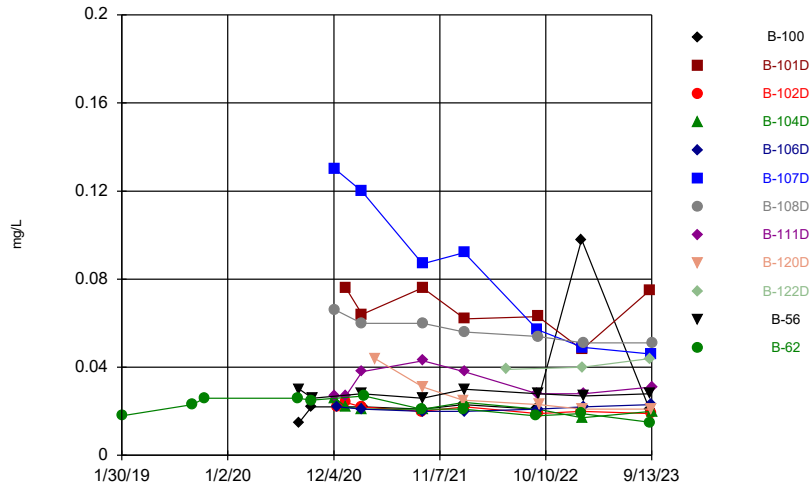
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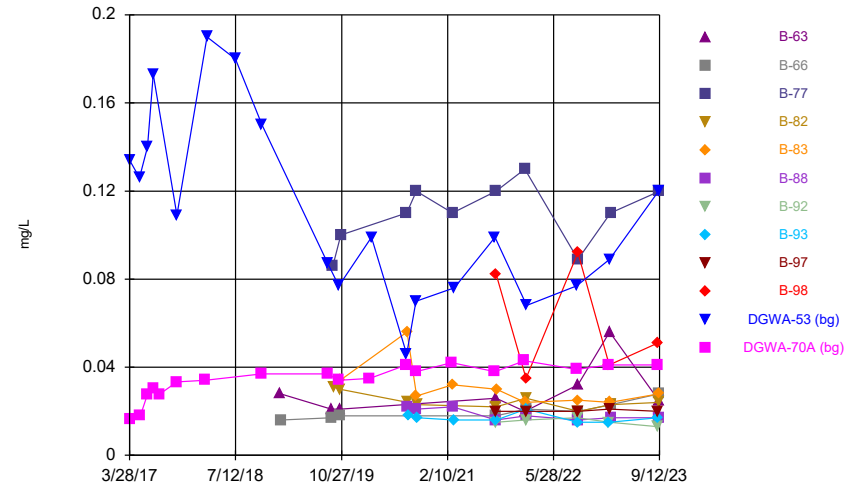
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Time Series



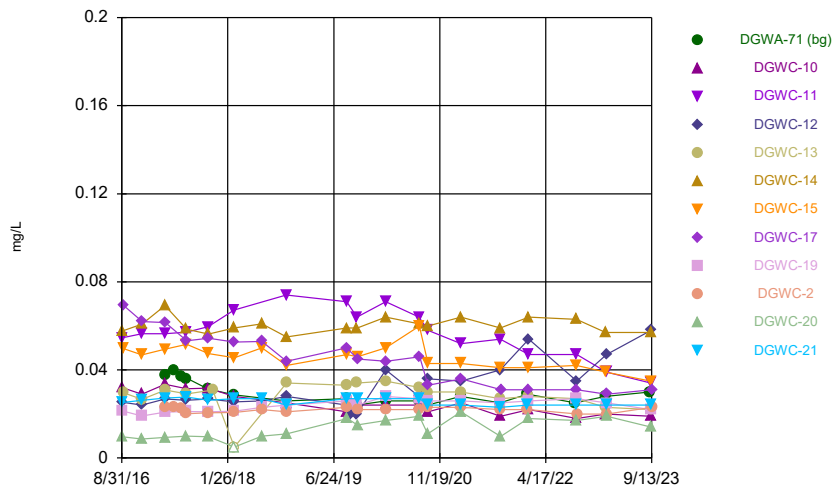
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Time Series



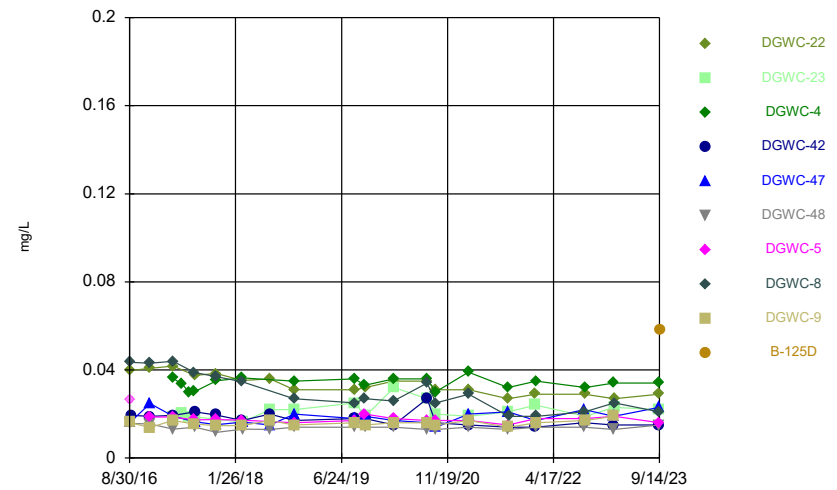
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



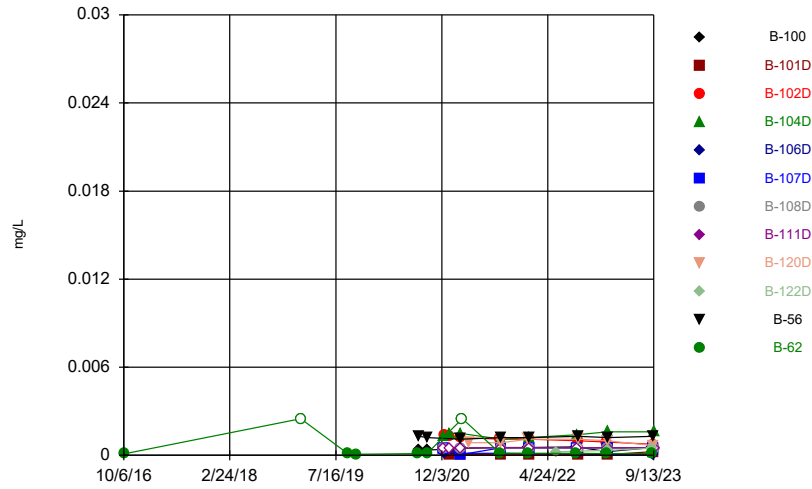
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



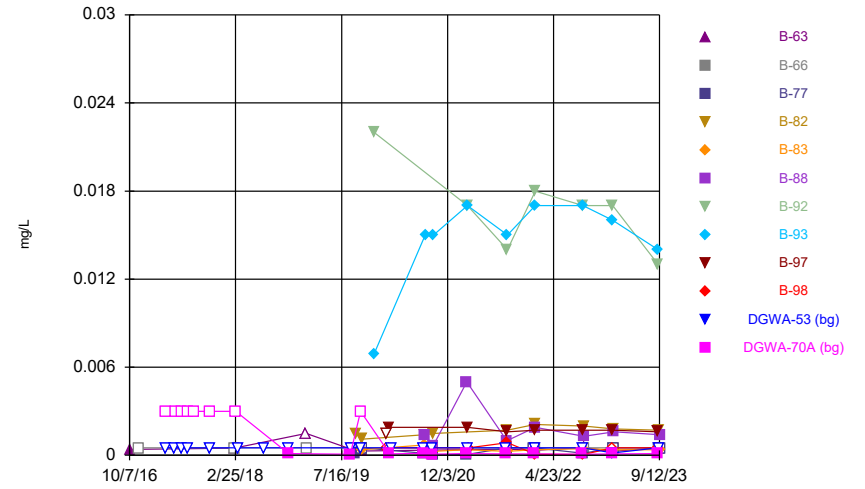
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Time Series



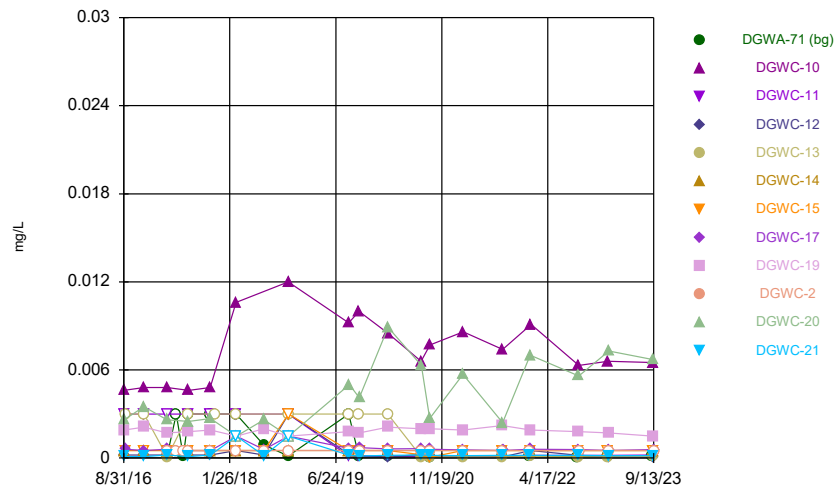
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Time Series



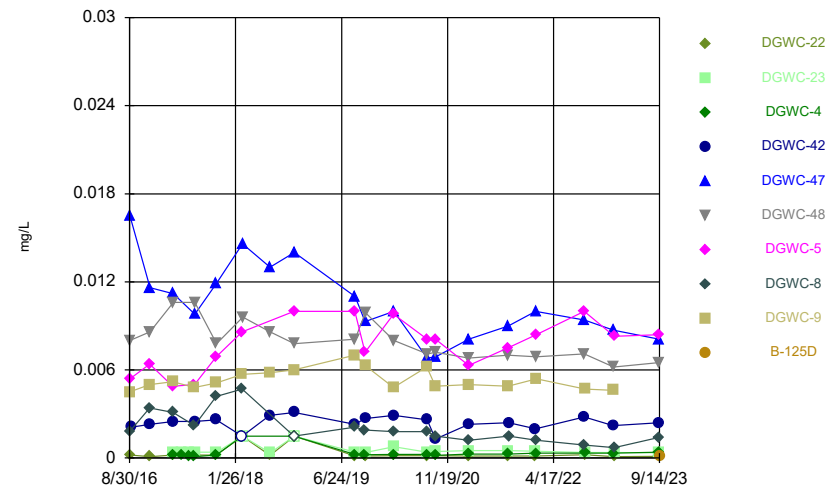
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Time Series



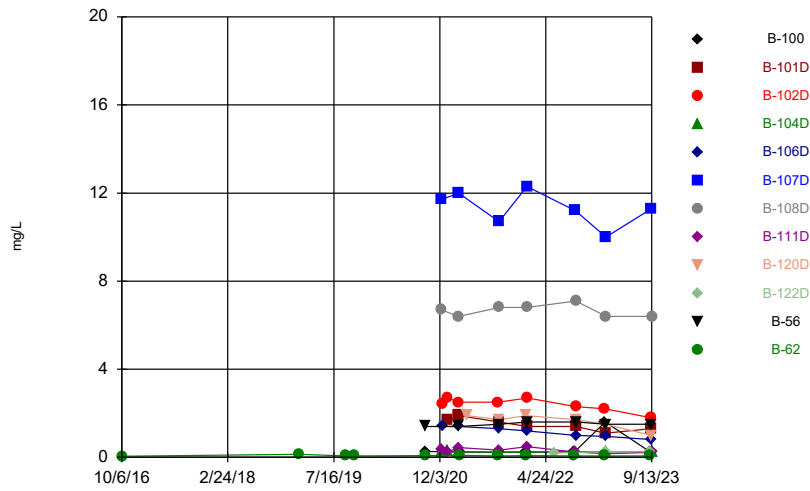
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



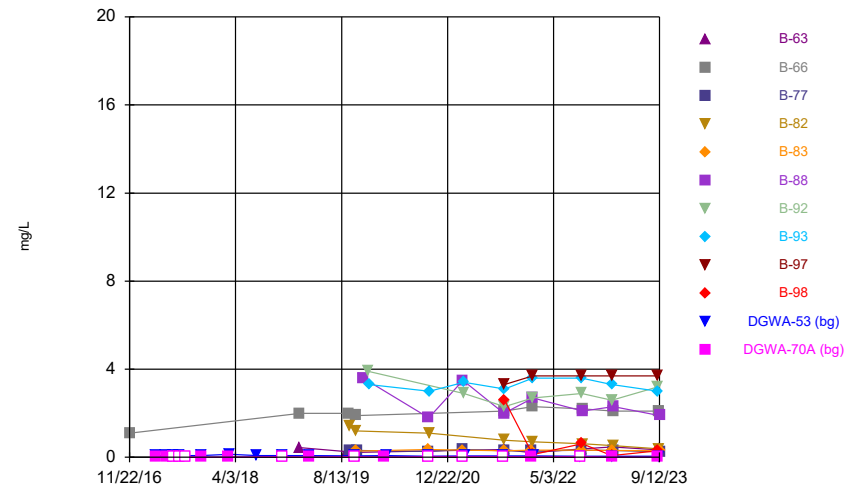
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



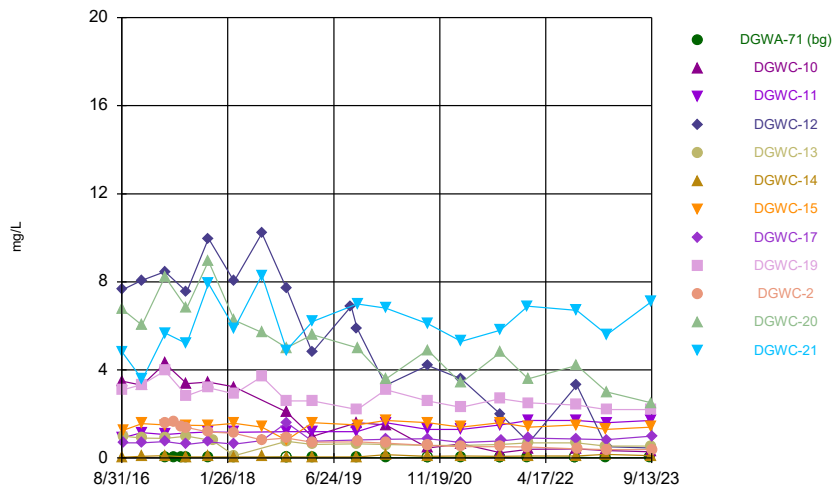
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 Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



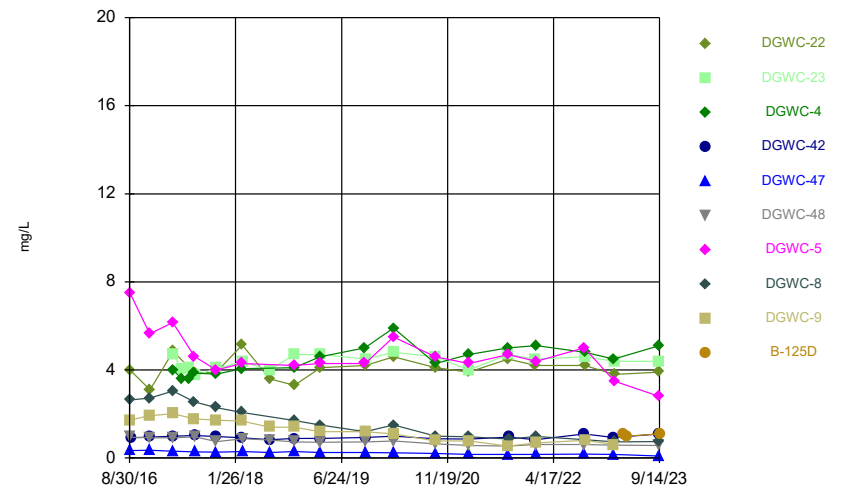
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 Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



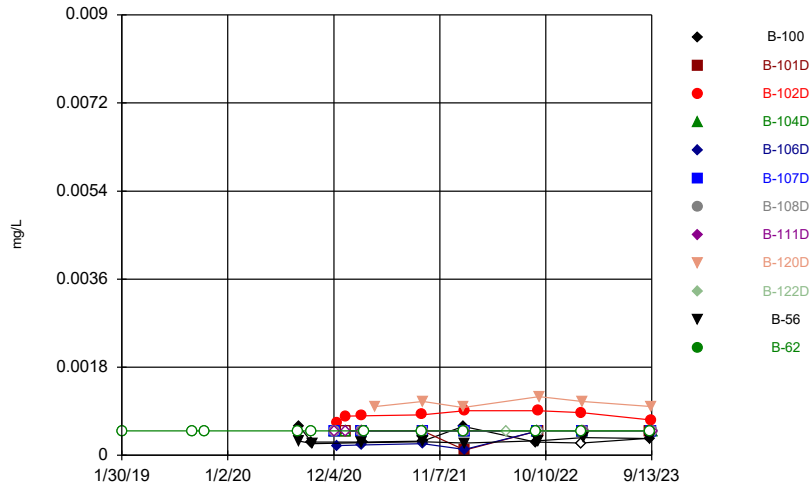
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 Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



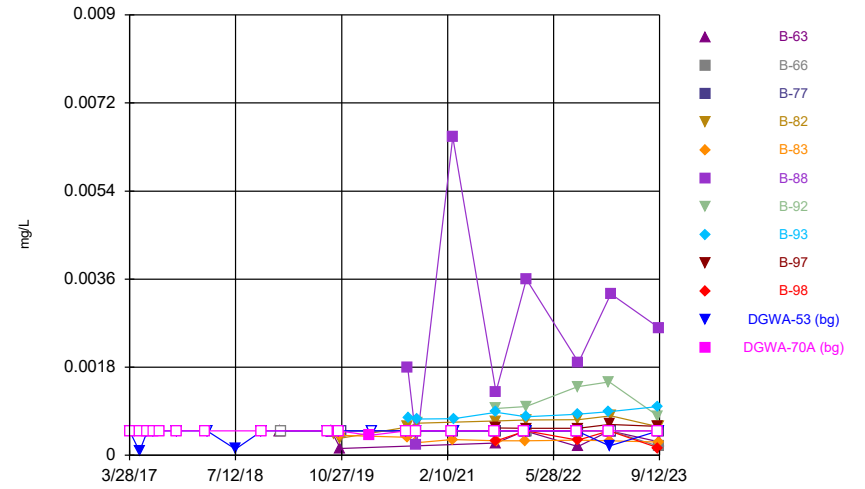
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 Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



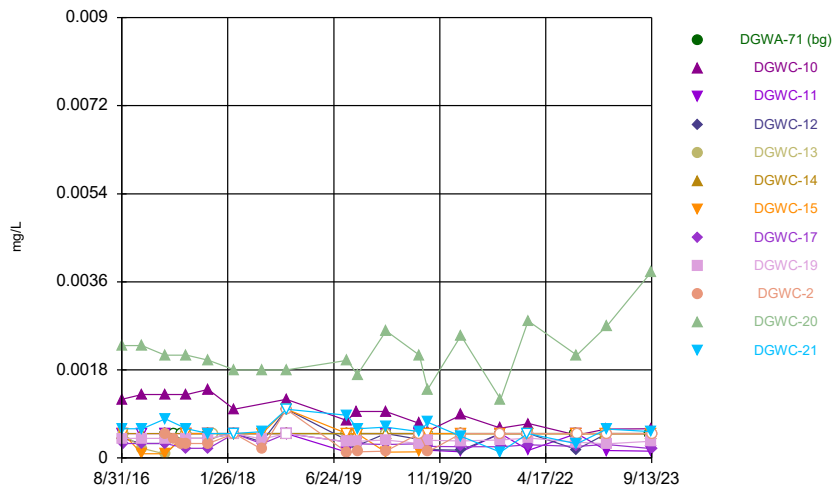
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



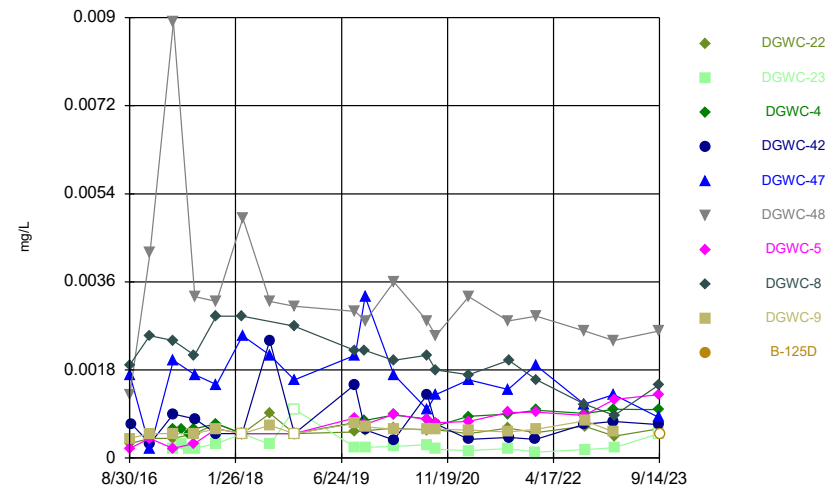
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Time Series



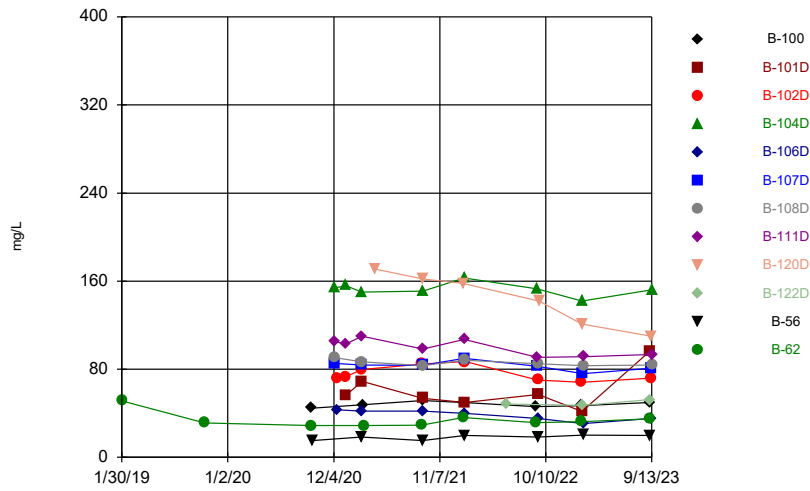
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



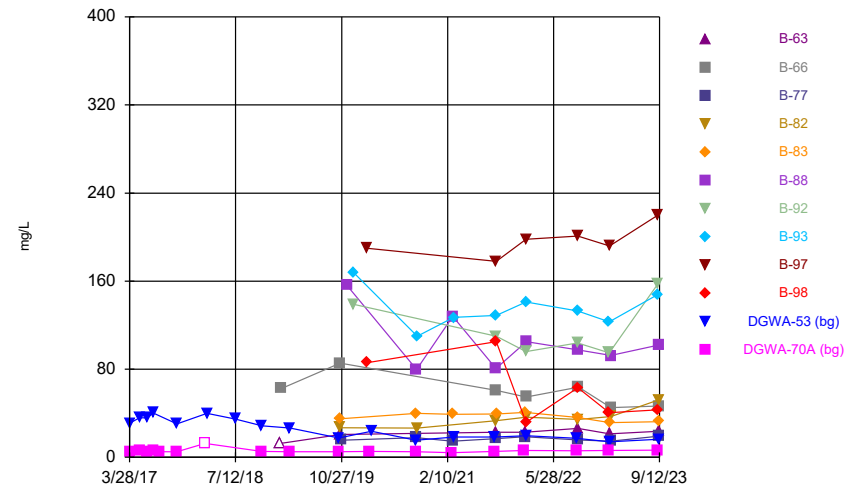
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



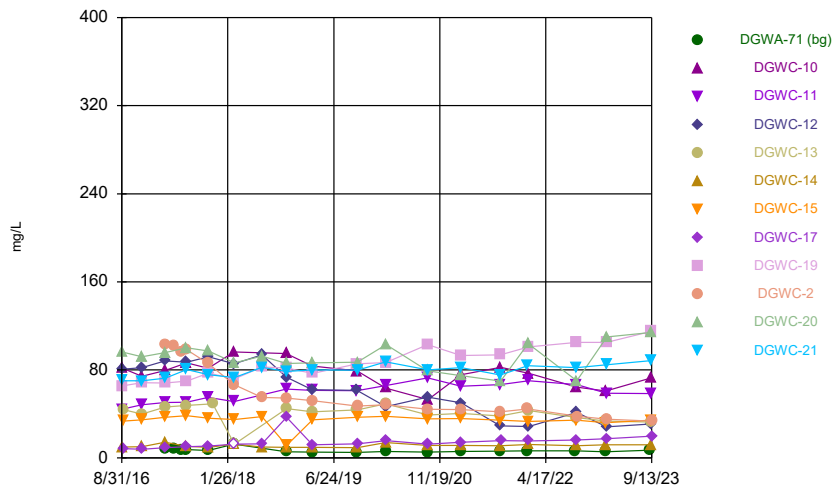
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



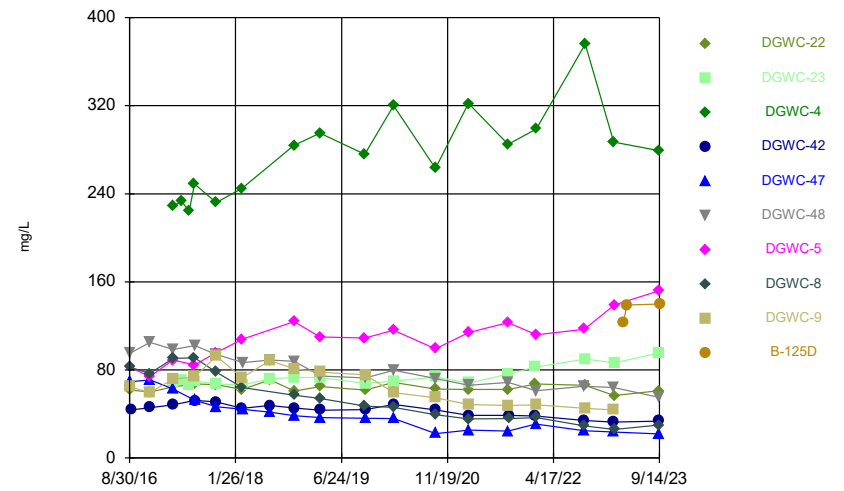
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



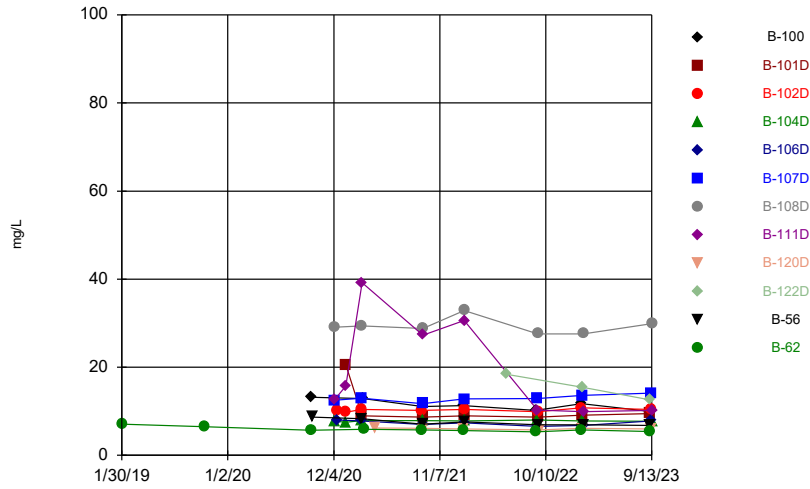
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



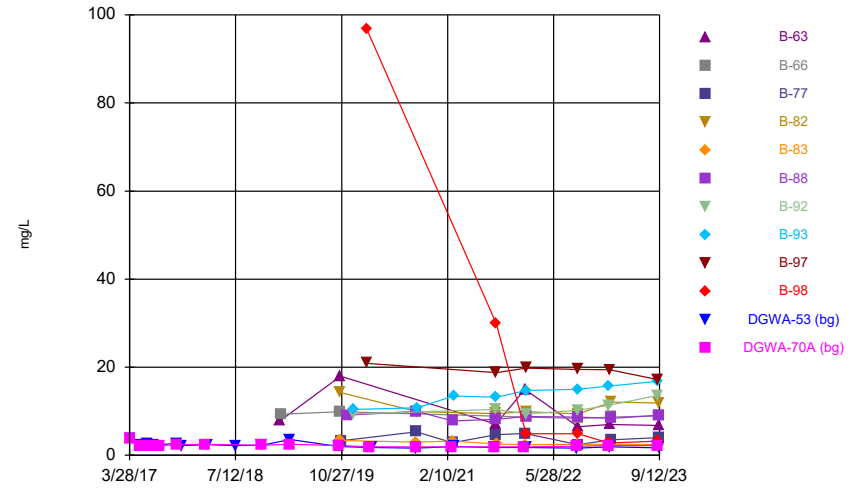
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



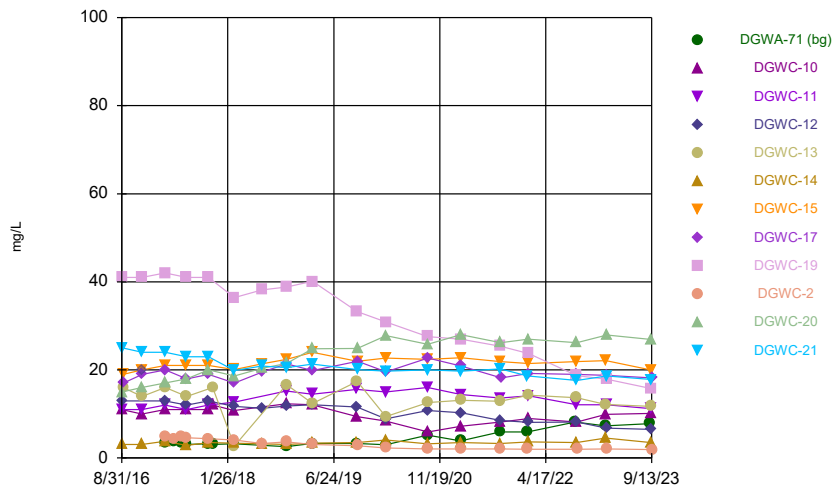
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



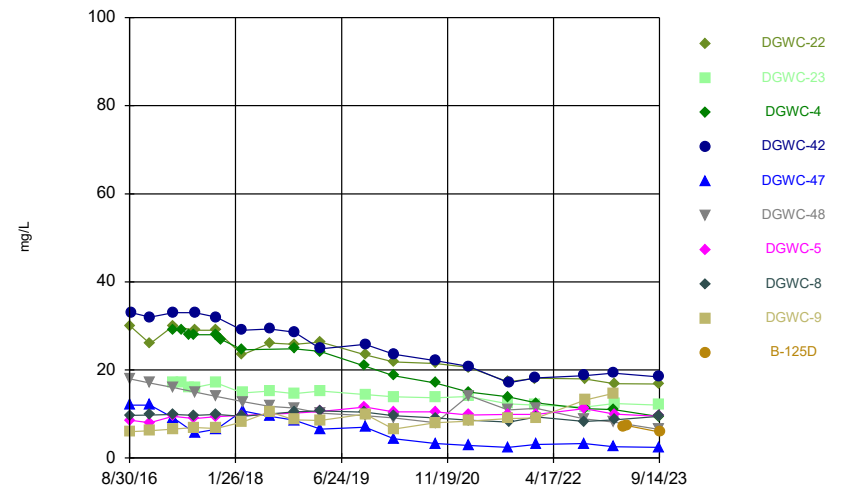
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



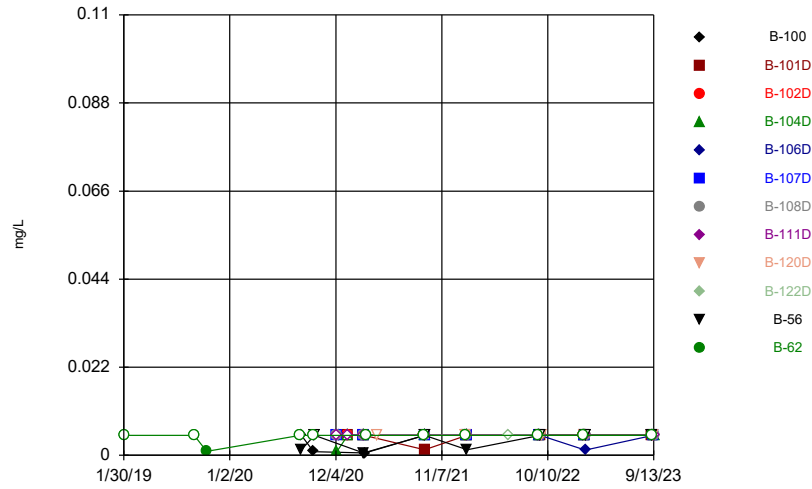
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



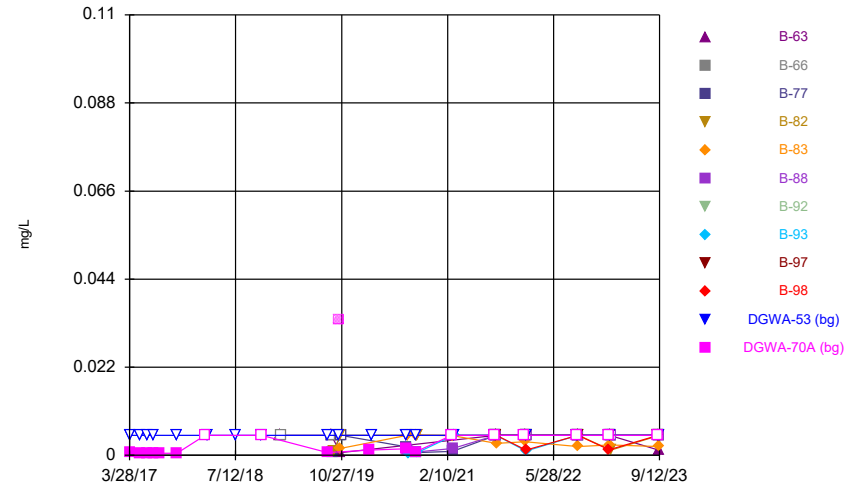
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



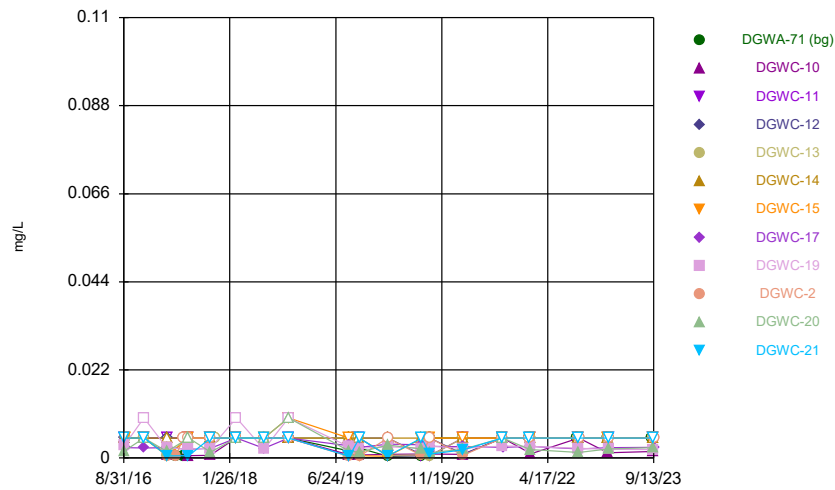
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



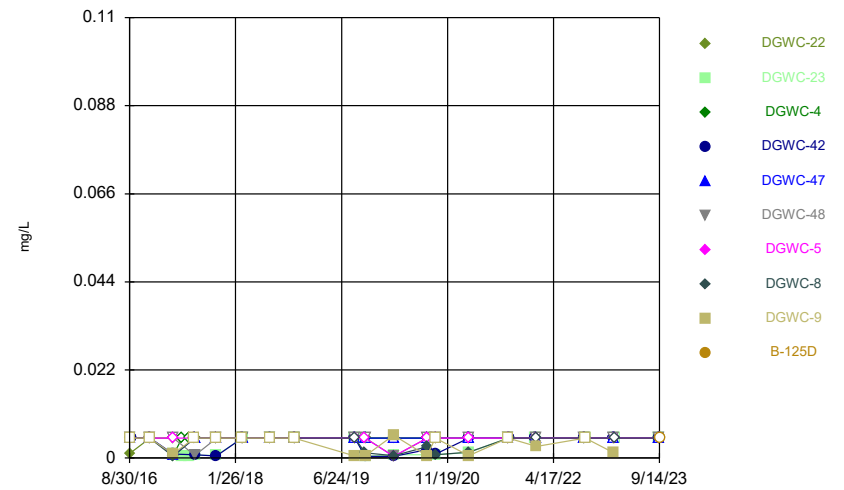
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



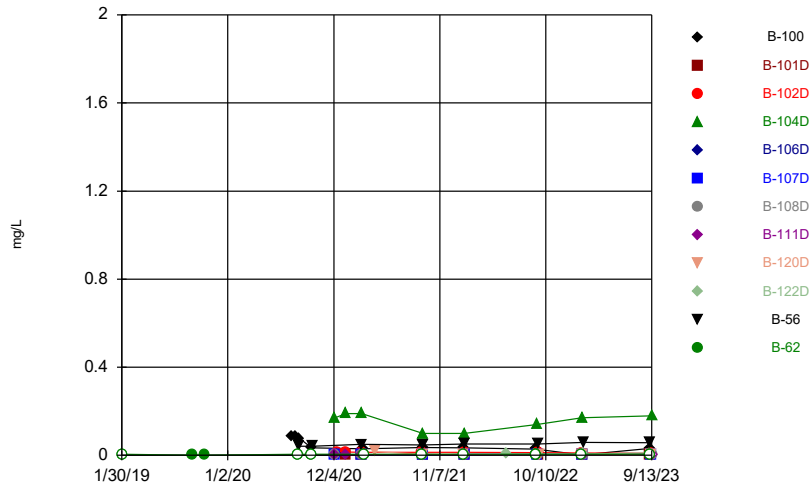
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



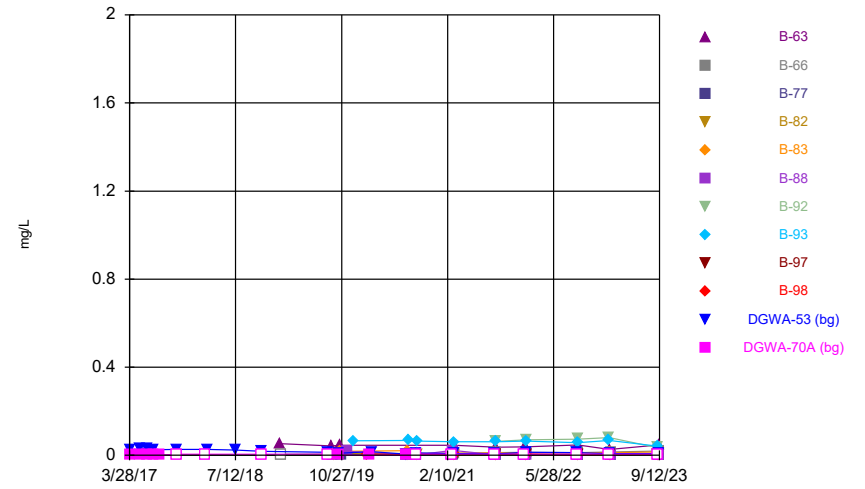
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



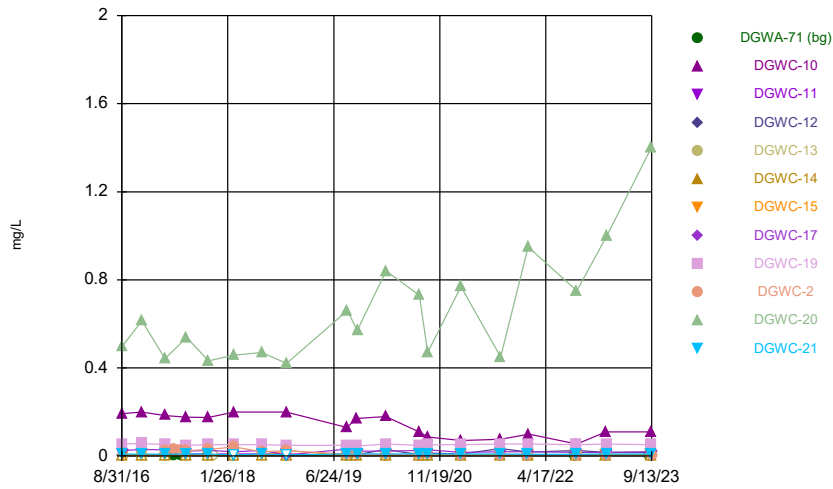
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



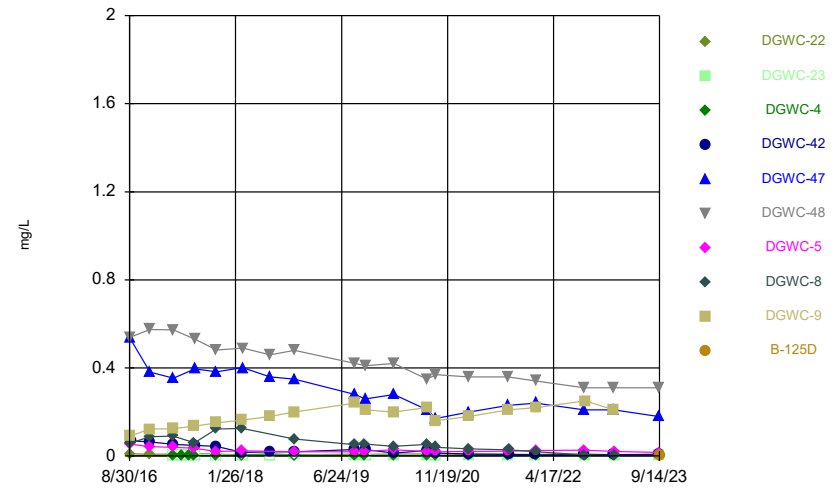
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



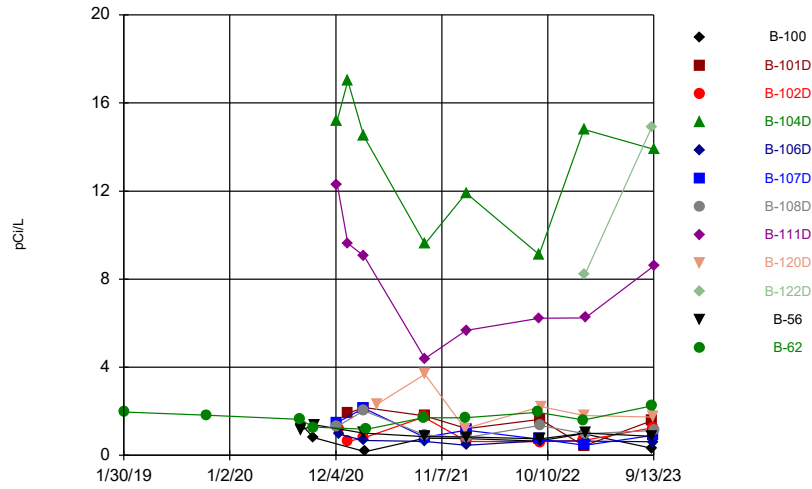
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Time Series



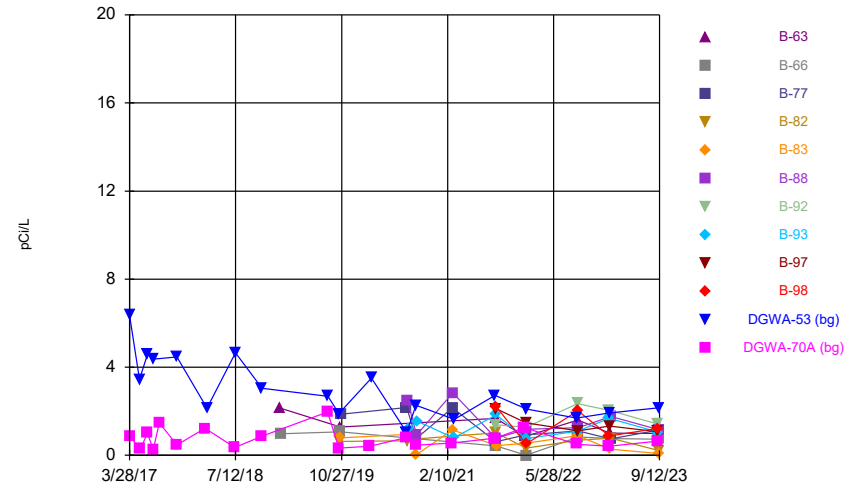
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Time Series



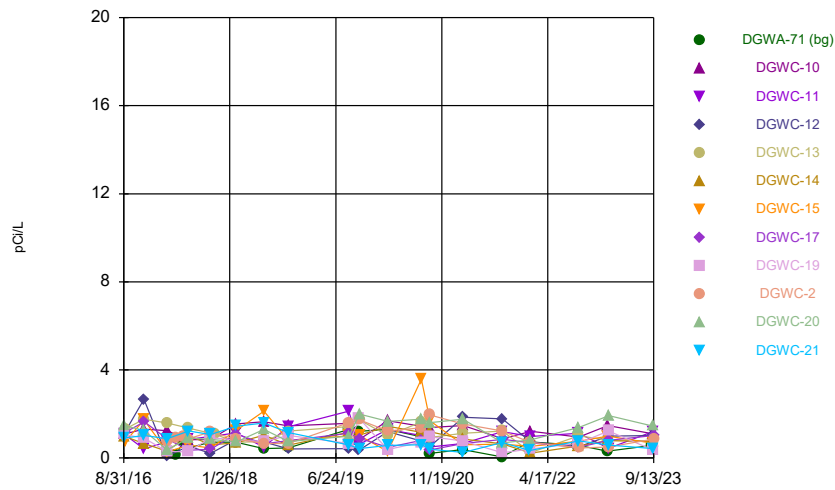
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Time Series



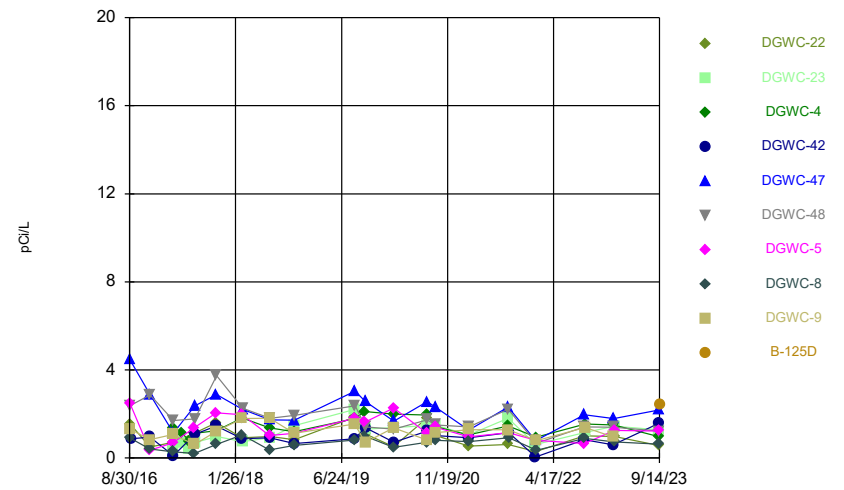
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



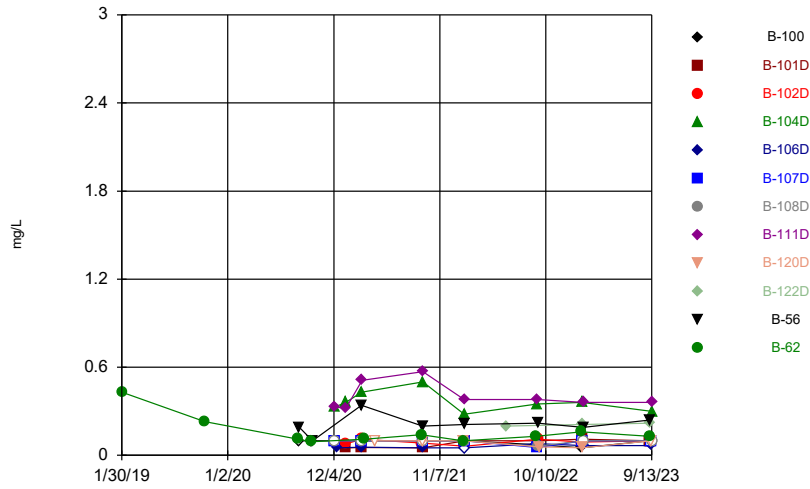
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



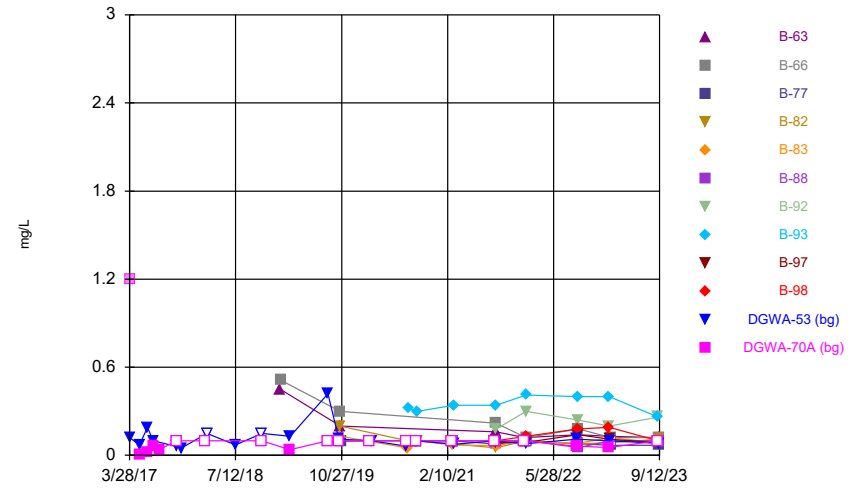
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



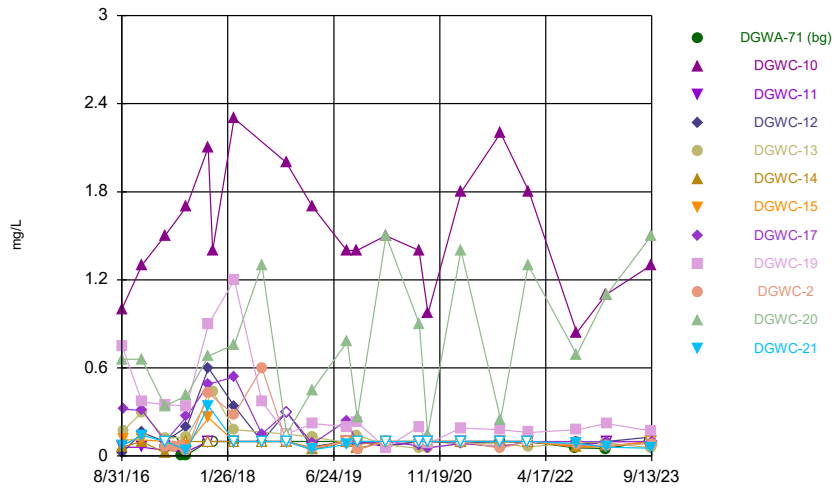
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Time Series



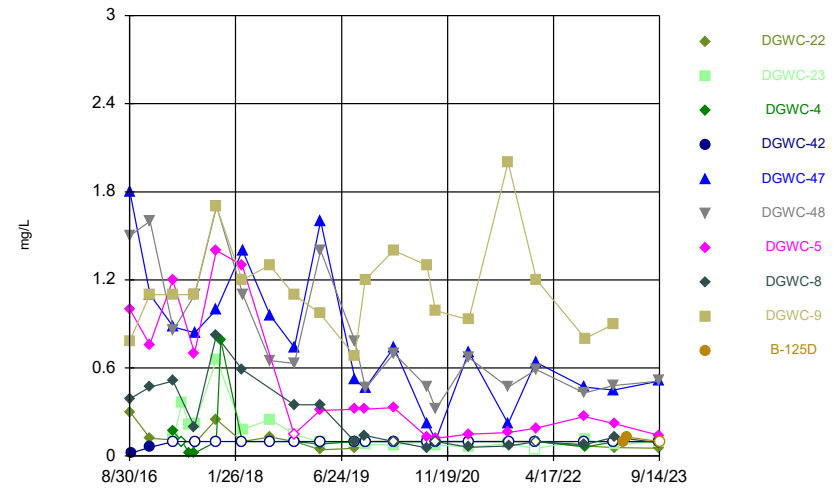
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Time Series



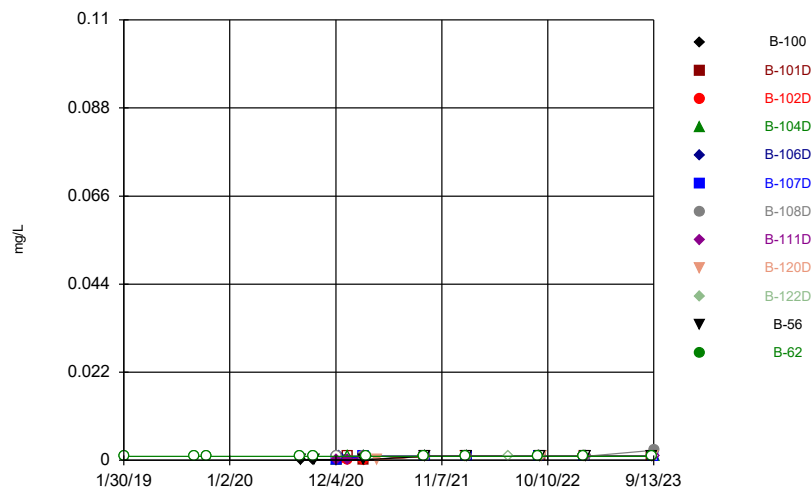
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Time Series



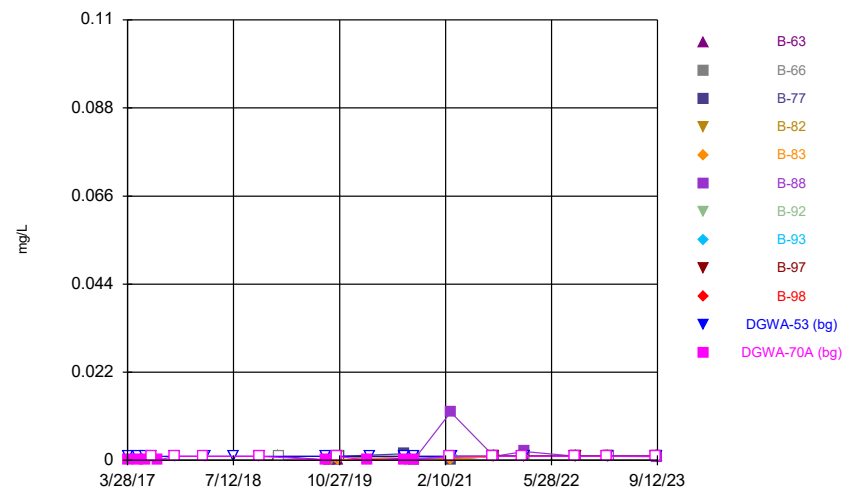
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Time Series



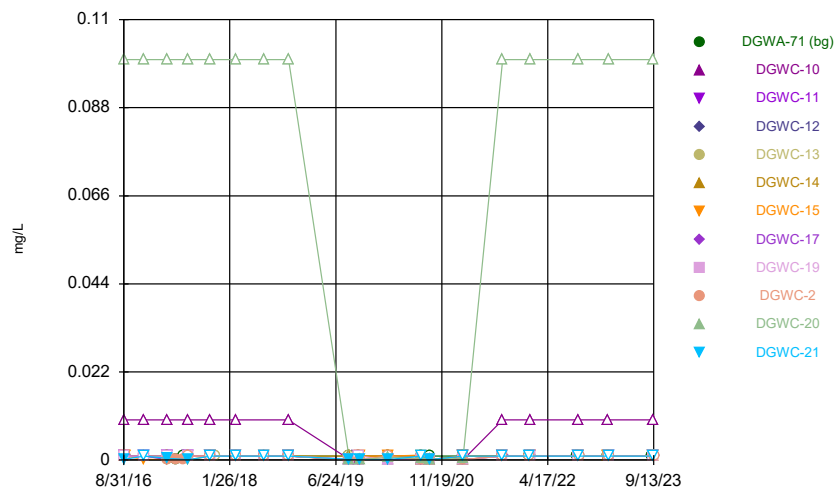
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Time Series



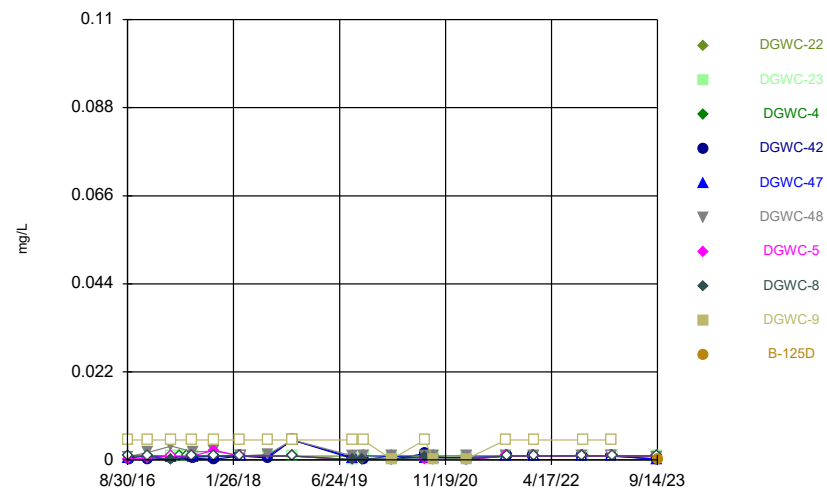
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Time Series



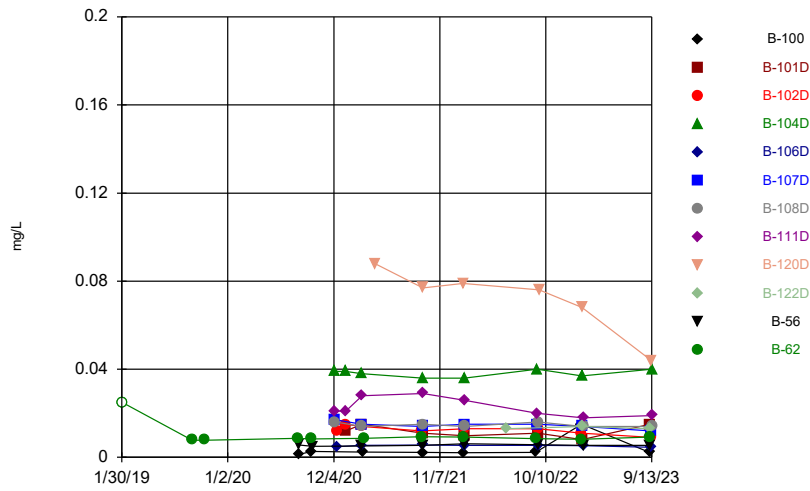
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Time Series



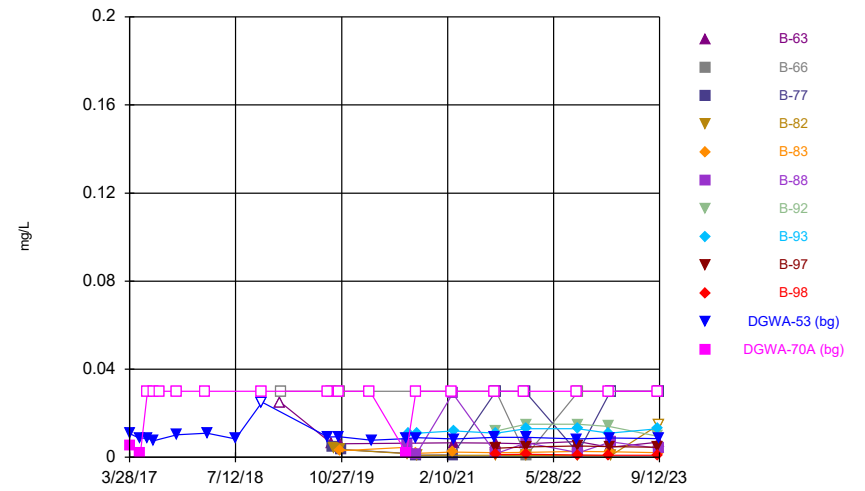
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



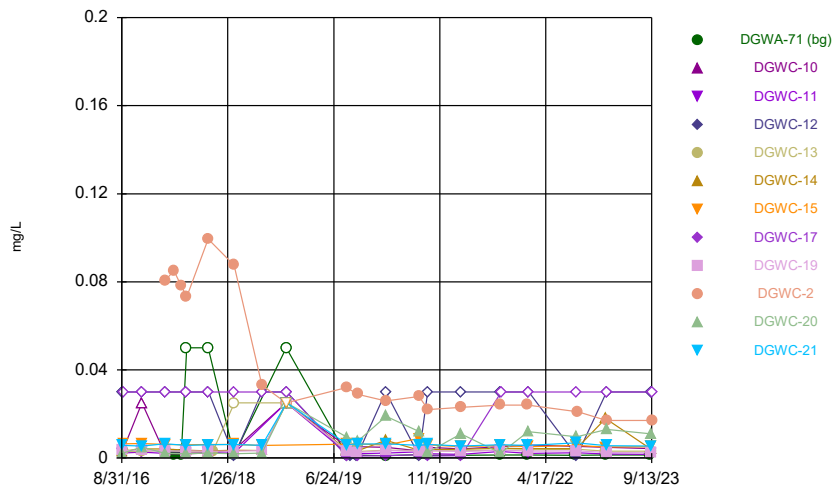
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



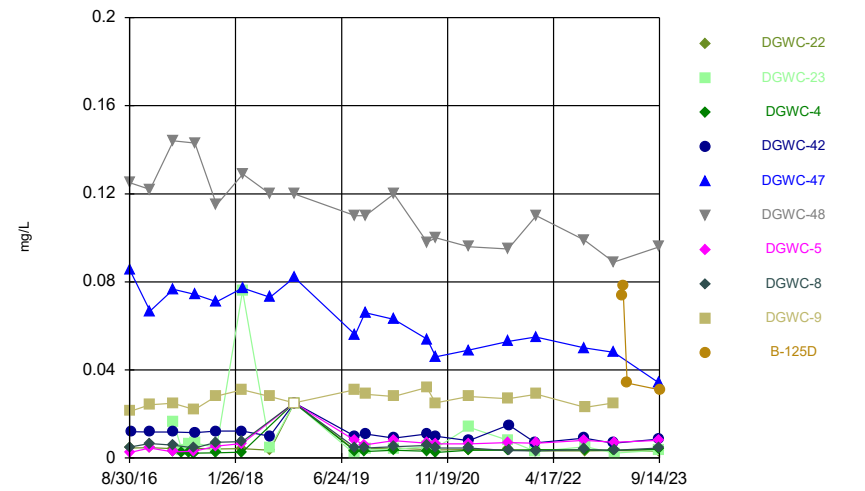
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



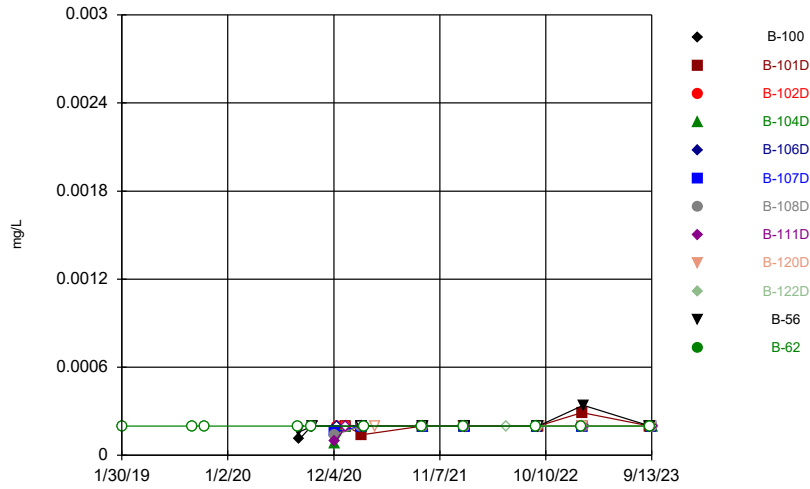
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Time Series



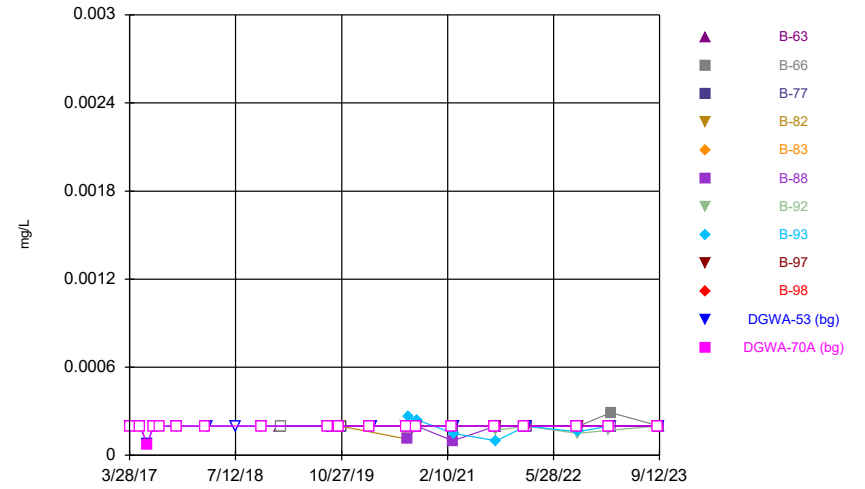
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



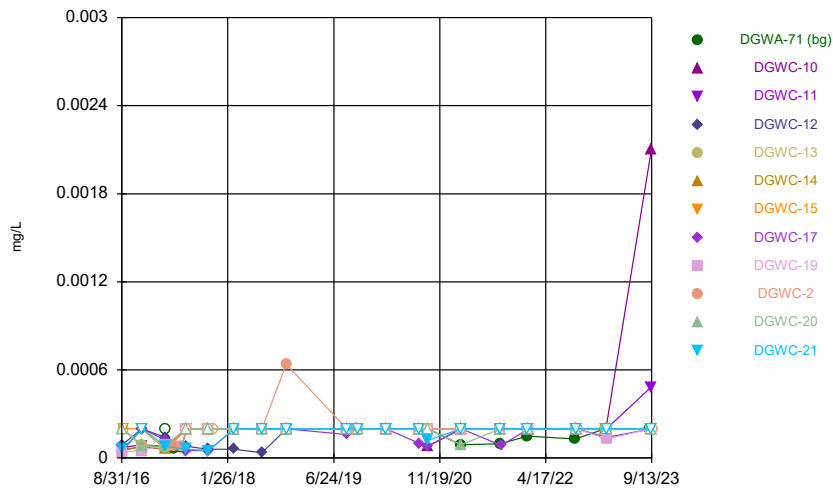
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



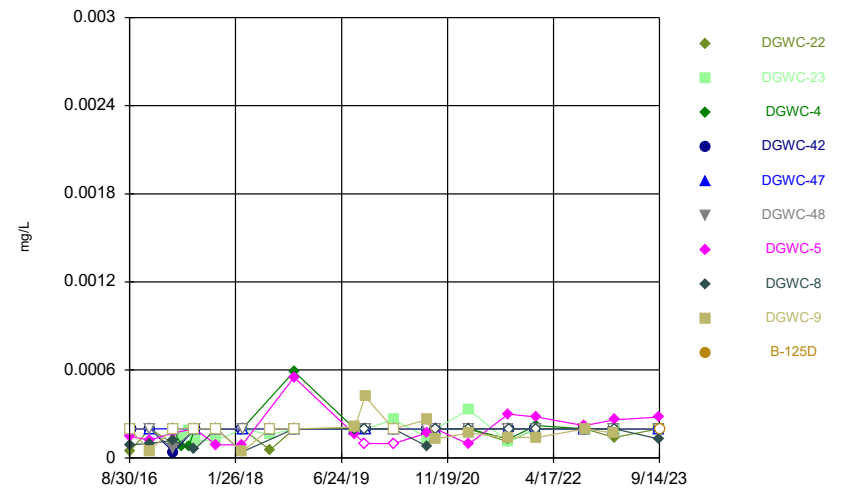
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



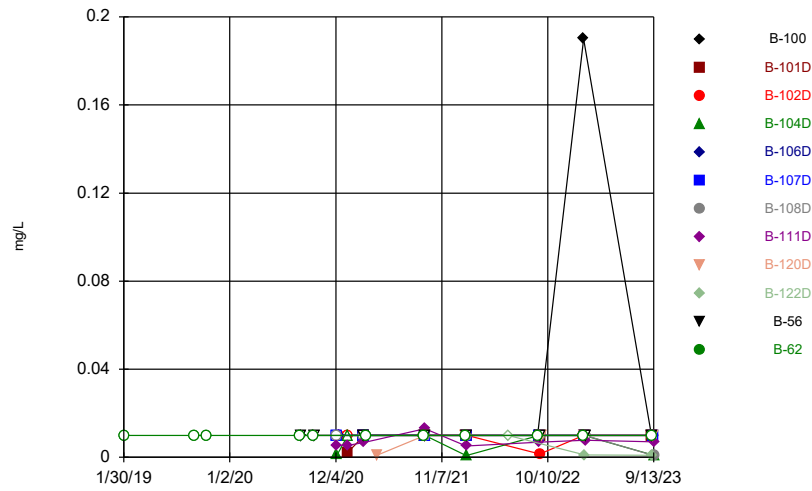
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



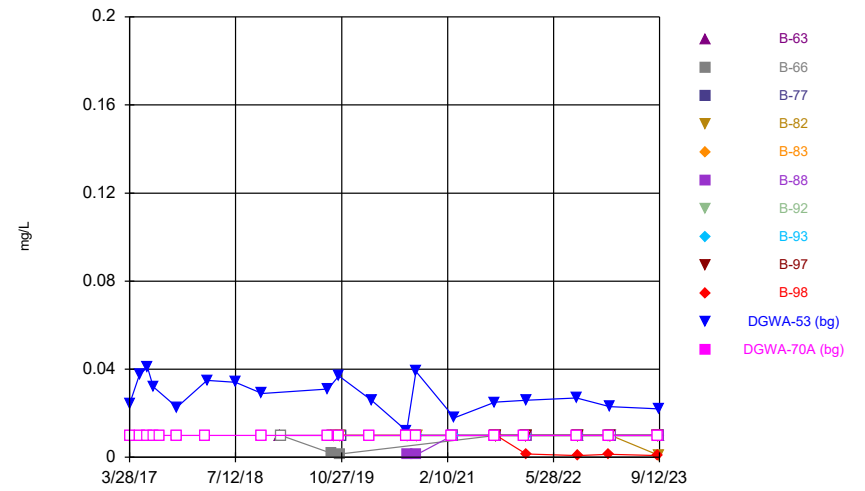
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



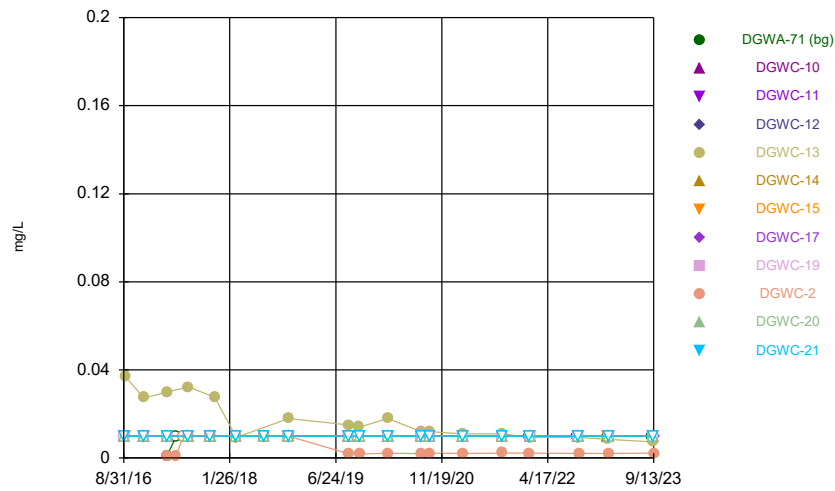
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



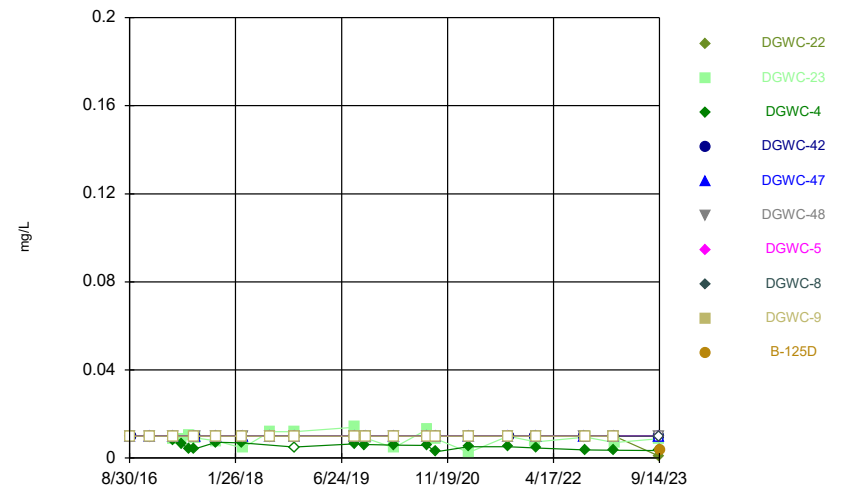
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



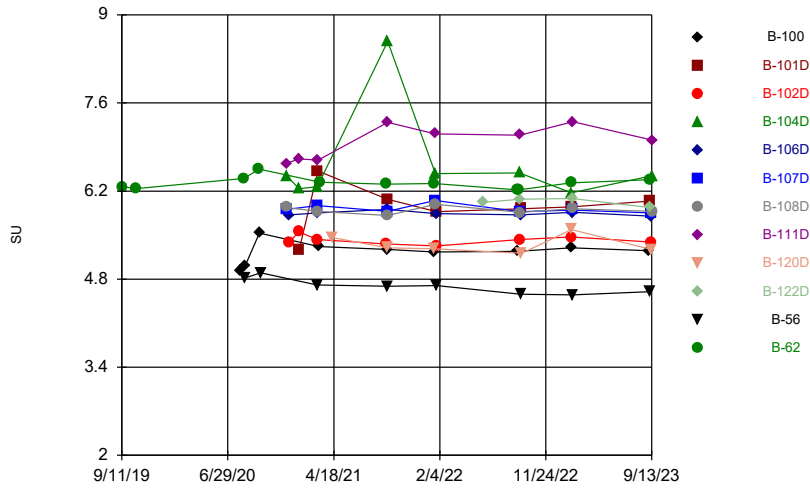
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



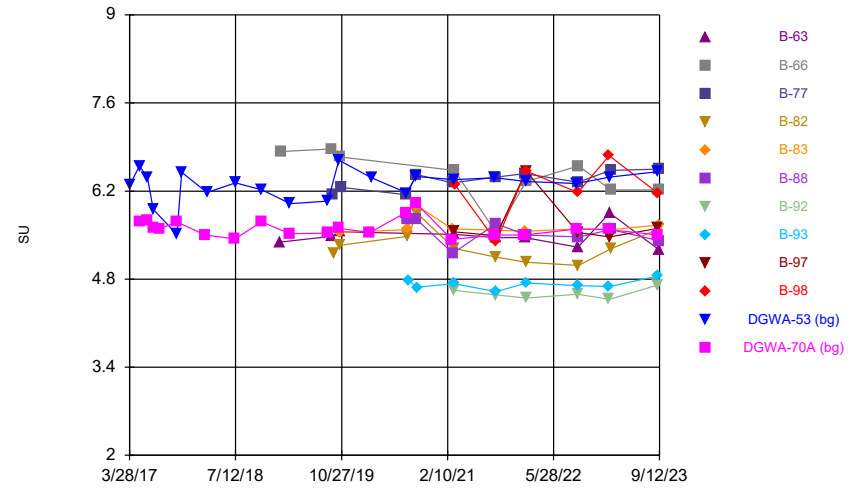
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Time Series



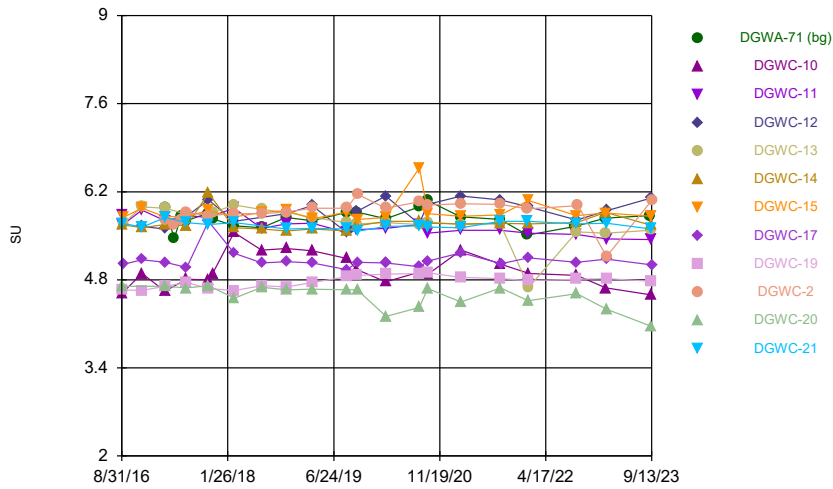
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 Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



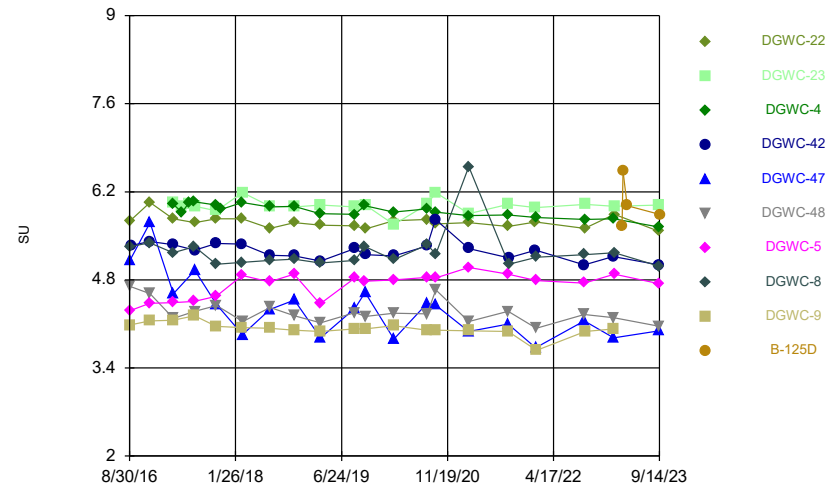
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Time Series



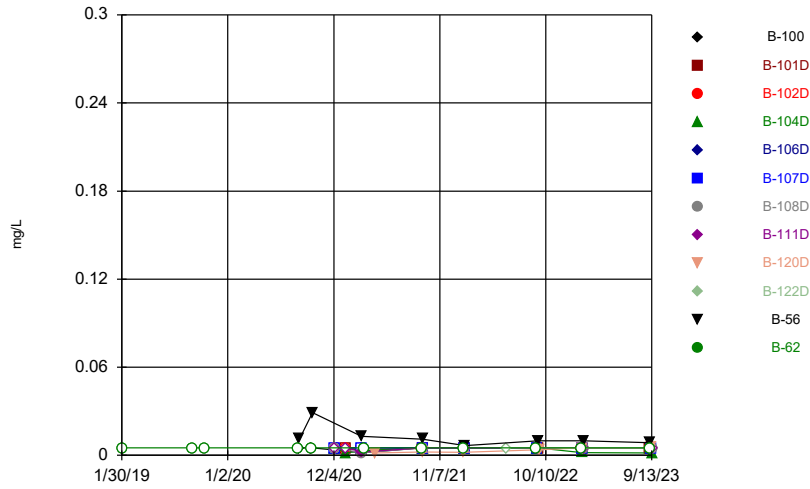
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 Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



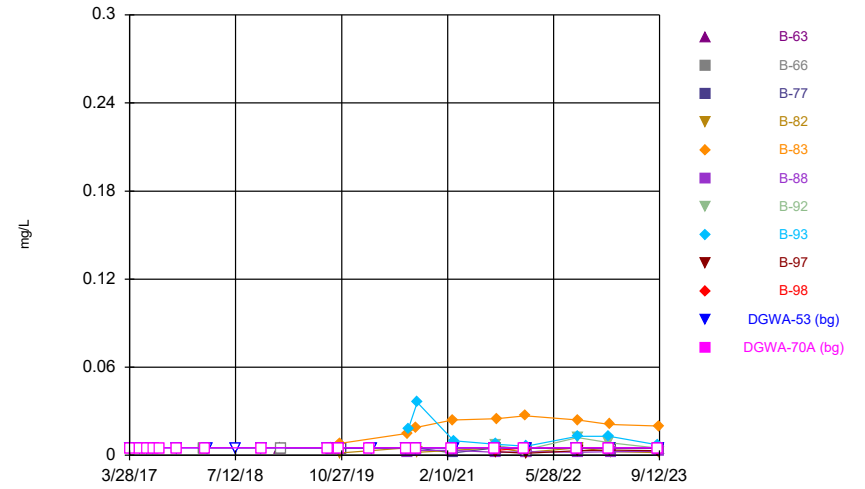
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Time Series



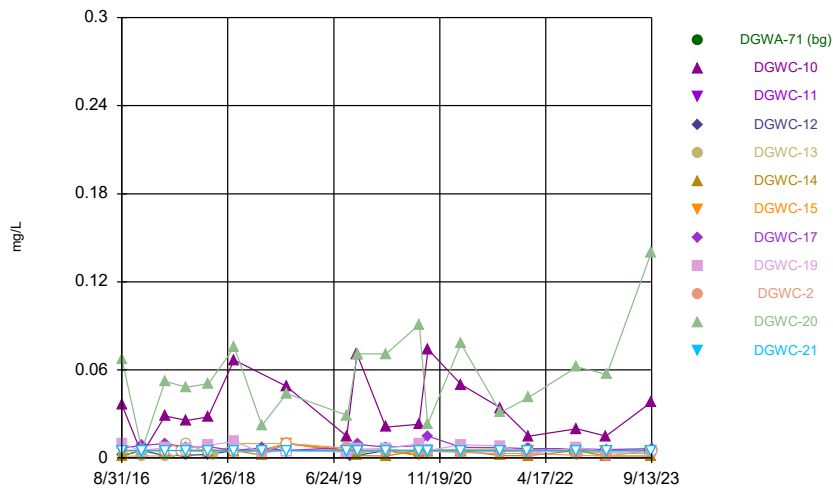
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



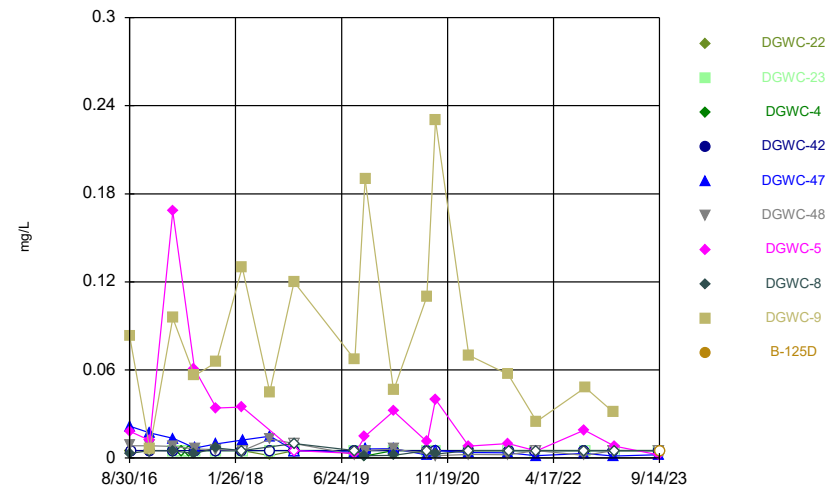
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Time Series



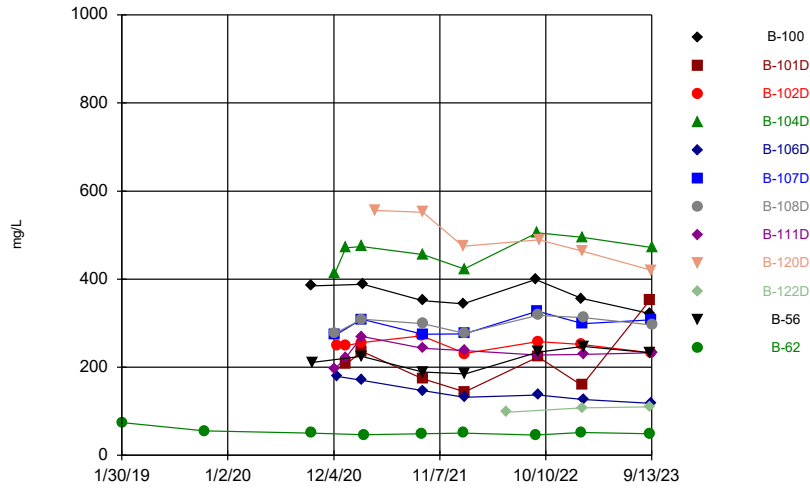
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Time Series



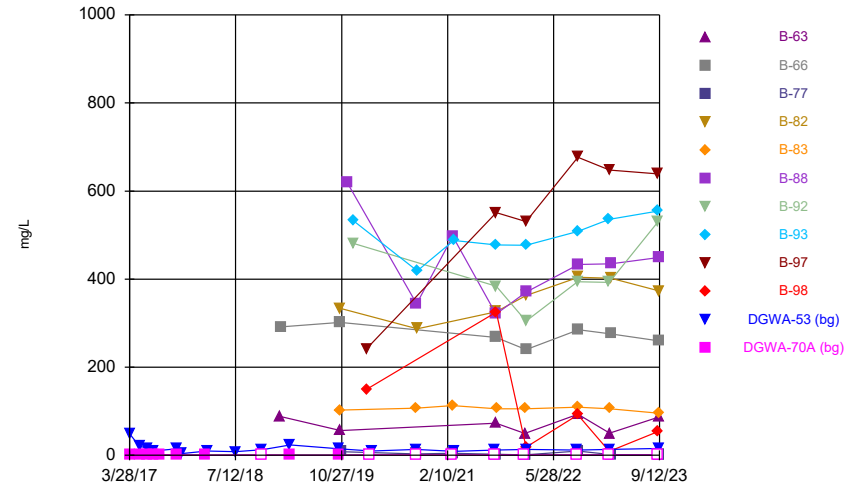
Constituent: Selenium Analysis Run 1/16/2024 1:59 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



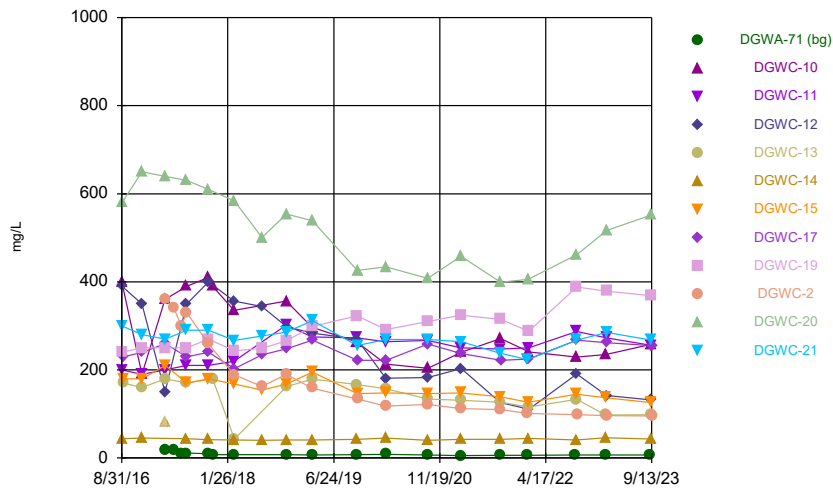
Constituent: Sulfate Analysis Run 1/16/2024 1:59 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



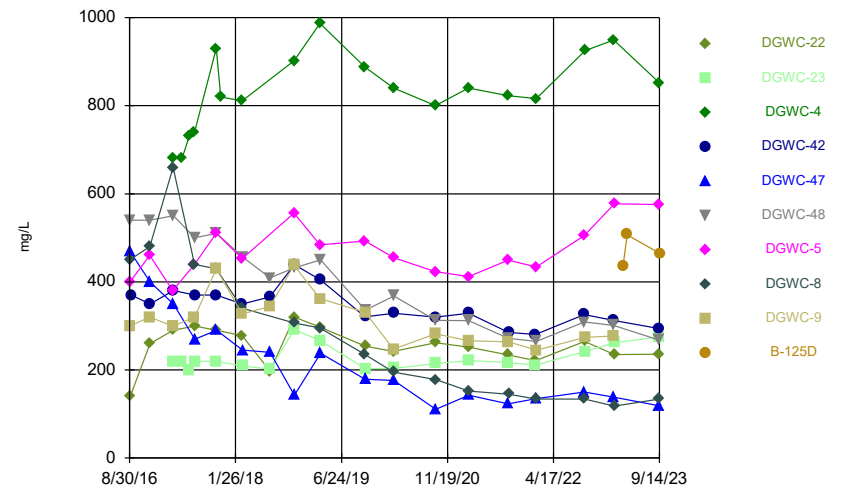
Constituent: Sulfate Analysis Run 1/16/2024 1:59 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



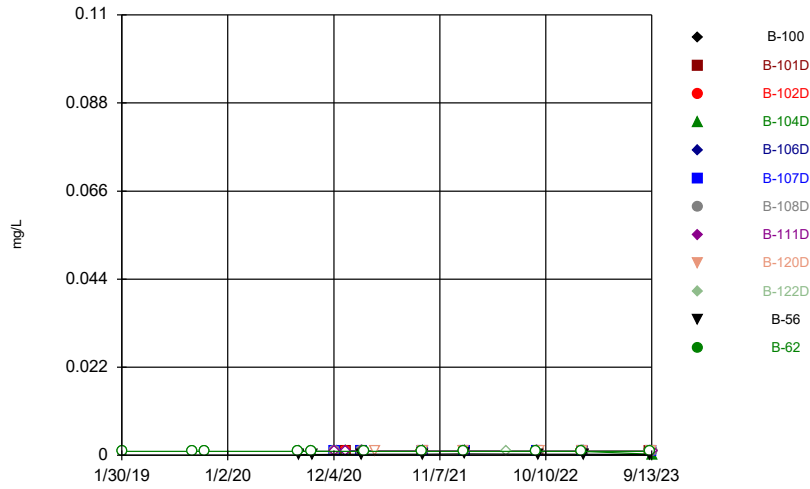
Constituent: Sulfate Analysis Run 1/16/2024 1:59 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



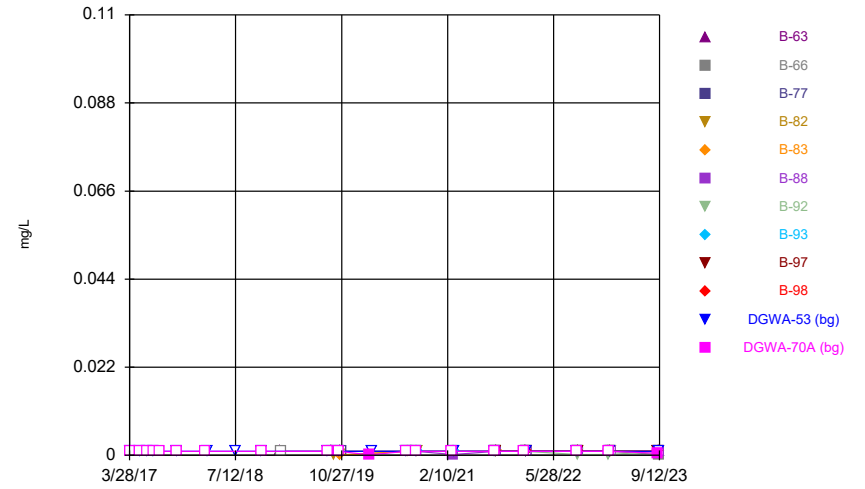
Constituent: Sulfate Analysis Run 1/16/2024 2:00 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



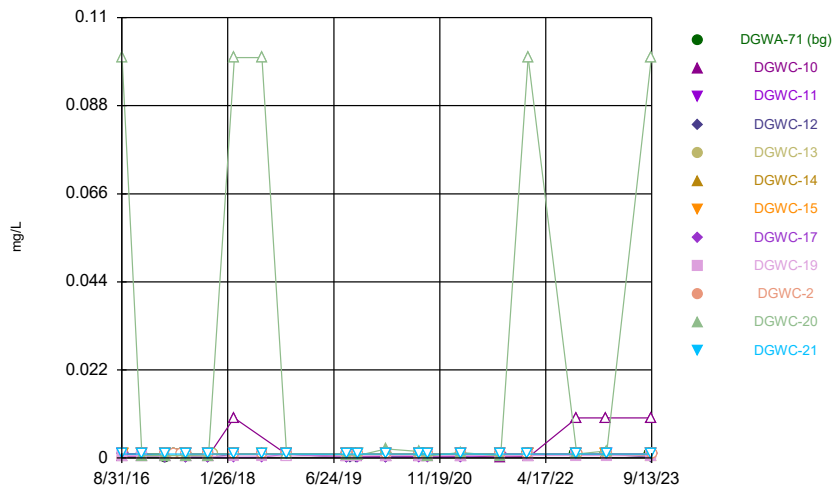
Constituent: Thallium Analysis Run 1/16/2024 2:00 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



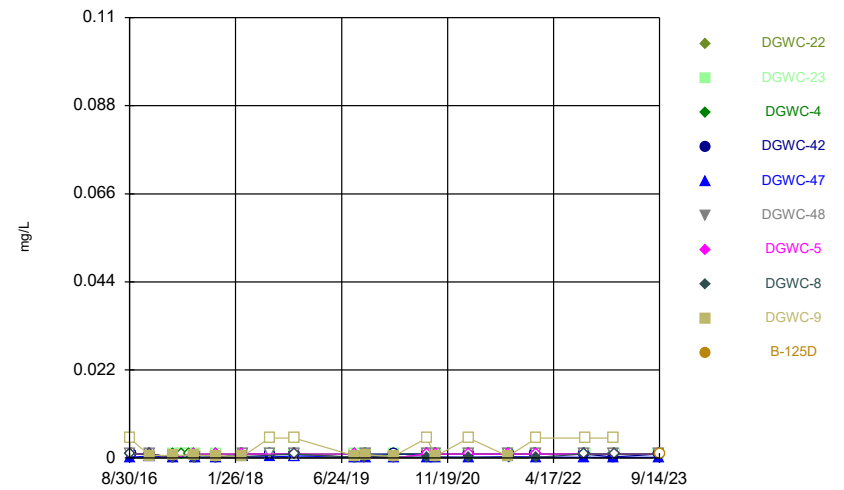
Constituent: Thallium Analysis Run 1/16/2024 2:00 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



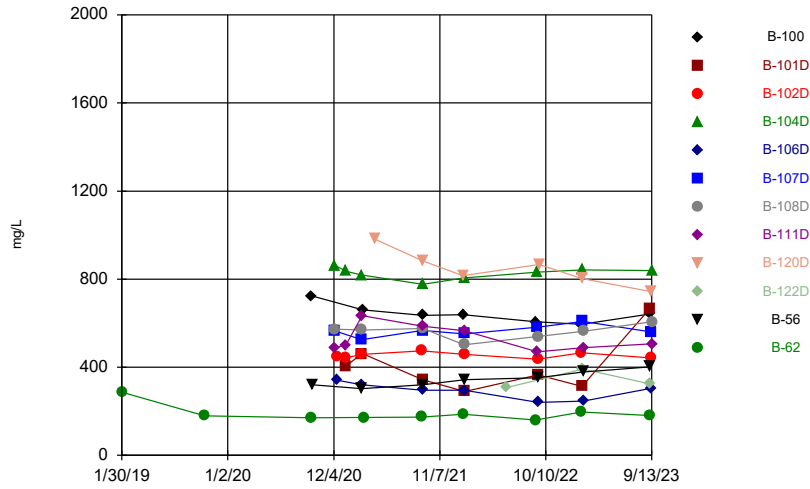
Constituent: Thallium Analysis Run 1/16/2024 2:00 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



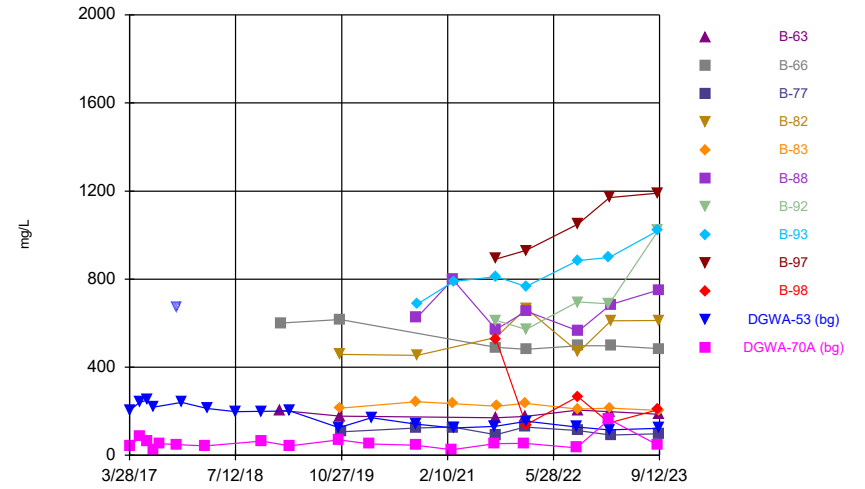
Constituent: Thallium Analysis Run 1/16/2024 2:00 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



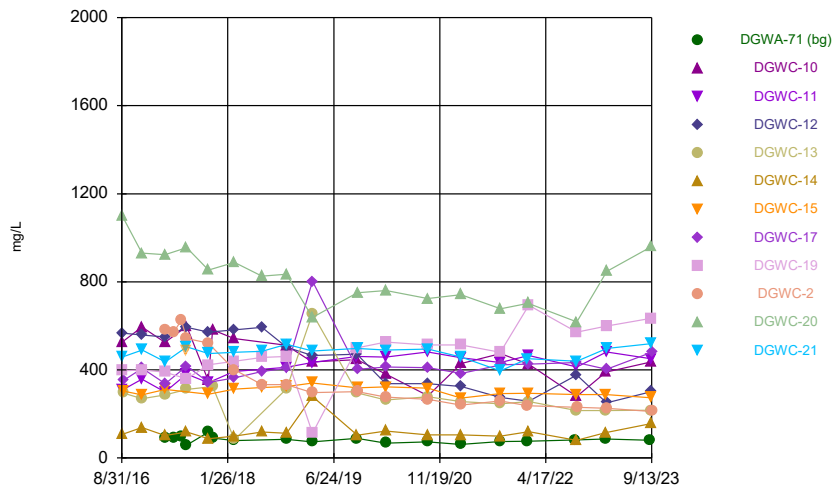
Constituent: Total Dissolved Solids [TDS] Analysis Run 1/16/2024 2:00 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



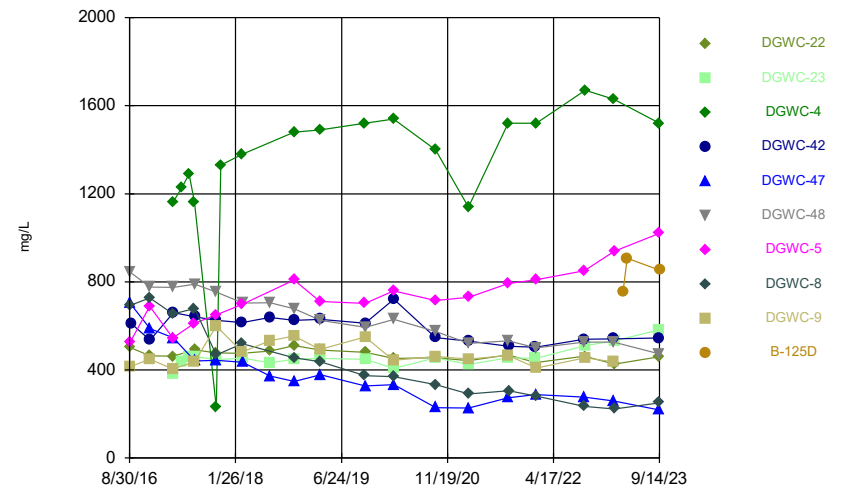
Constituent: Total Dissolved Solids [TDS] Analysis Run 1/16/2024 2:00 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 1/16/2024 2:00 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 1/16/2024 2:00 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series

Constituent: Antimony (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-100 | B-101D | B-102D | B-104D | B-106D | B-107D | B-108D | B-111D | B-120D |
|------------|------------|-------------|------------|-------------|-------------|--------|--------|------------|-------------|
| 1/30/2019 | | | | | | | | | |
| 9/11/2019 | | | | | | | | | |
| 10/21/2019 | | | | | | | | | |
| 8/13/2020 | | | | | | | | | |
| 8/17/2020 | 0.0013 (J) | | | | | | | | |
| 9/24/2020 | | | | | | | | | |
| 9/25/2020 | <0.003 | | | | | | | | |
| 9/28/2020 | | | | | | | | | |
| 12/9/2020 | | | | 0.00079 (J) | | <0.003 | <0.003 | <0.003 | |
| 12/17/2020 | | | 0.0016 (J) | | 0.00048 (J) | | | | |
| 1/11/2021 | | | <0.003 | | | | | | |
| 1/12/2021 | | 0.00039 (J) | | 0.00048 (J) | | | | <0.003 | |
| 3/3/2021 | | | | | | | | | |
| 3/4/2021 | | | <0.003 | 0.00077 (J) | <0.003 | <0.003 | <0.003 | | |
| 3/5/2021 | | 0.0019 (J) | | | | | | 0.0006 (J) | |
| 3/8/2021 | 0.0017 (J) | | | | | | | | |
| 3/12/2021 | | | | | | | | | |
| 4/15/2021 | | | | | | | | | 0.00029 (J) |
| 9/9/2021 | | | | | | | | | |
| 9/10/2021 | | | <0.003 | | | | | | |
| 9/13/2021 | <0.003 | 0.001 (J) | | | <0.003 | <0.003 | | | |
| 9/14/2021 | | | | <0.003 | | | <0.003 | <0.003 | <0.003 |
| 1/20/2022 | | | | | | | | | <0.003 |
| 1/21/2022 | <0.003 | | | | | | | | |
| 1/24/2022 | | | | 0.001 (J) | | <0.003 | <0.003 | <0.003 | |
| 1/25/2022 | | | | | <0.003 | | | | |
| 1/26/2022 | | 0.00082 (J) | | | | | | | |
| 1/27/2022 | | | <0.003 | | | | | | |
| 6/6/2022 | | | | | | | | | |
| 9/8/2022 | <0.003 | | | | | | | | |
| 9/13/2022 | | | | <0.003 | | | | | |
| 9/14/2022 | | | | | | <0.003 | | <0.003 | |
| 9/15/2022 | | | <0.003 | | | | <0.003 | | |
| 9/16/2022 | | <0.003 | | | <0.003 | | | | |
| 9/19/2022 | | | | | | | | | <0.003 |
| 2/2/2023 | <0.003 | | <0.003 | | | | | | |
| 2/3/2023 | | <0.003 | | <0.003 | | | | | <0.003 |
| 2/6/2023 | | | | | | <0.003 | | | |
| 2/7/2023 | | | | | <0.003 | | <0.003 | <0.003 | |
| 9/6/2023 | <0.003 | | | | | | | | |
| 9/7/2023 | | | | | | | | | |
| 9/8/2023 | | <0.003 | | | | | | | |
| 9/11/2023 | | | <0.003 | | <0.003 | | | | |
| 9/12/2023 | | | | | | <0.003 | | | <0.003 |
| 9/13/2023 | | | | <0.003 | | | <0.003 | 0.0016 (J) | |

Time Series

Constituent: Antimony (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-122D | B-56 | B-62 |
|------------|--------|------------|-------------|
| 1/30/2019 | | | <0.003 |
| 9/11/2019 | | | <0.003 |
| 10/21/2019 | | | <0.003 |
| 8/13/2020 | | | <0.003 |
| 8/17/2020 | | <0.003 | |
| 9/24/2020 | | | 0.00046 (J) |
| 9/25/2020 | | | |
| 9/28/2020 | | <0.003 | |
| 12/9/2020 | | | |
| 12/17/2020 | | | |
| 1/11/2021 | | | |
| 1/12/2021 | | | |
| 3/3/2021 | | <0.003 | |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/8/2021 | | | |
| 3/12/2021 | | | <0.003 |
| 4/15/2021 | | | |
| 9/9/2021 | | | <0.003 |
| 9/10/2021 | | | |
| 9/13/2021 | | <0.003 | |
| 9/14/2021 | | | |
| 1/20/2022 | | | <0.003 |
| 1/21/2022 | | | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | | | |
| 1/27/2022 | | 0.0011 (J) | |
| 6/6/2022 | <0.003 | | |
| 9/8/2022 | | | <0.003 |
| 9/13/2022 | | | |
| 9/14/2022 | | | |
| 9/15/2022 | | | |
| 9/16/2022 | | <0.003 | |
| 9/19/2022 | | | |
| 2/2/2023 | | | <0.003 |
| 2/3/2023 | | | |
| 2/6/2023 | <0.003 | | |
| 2/7/2023 | | <0.003 | |
| 9/6/2023 | | | |
| 9/7/2023 | <0.003 | | <0.003 |
| 9/8/2023 | | <0.003 | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |
| 9/13/2023 | | | |

Time Series

Constituent: Antimony (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|------------|-------------|--------|-------------|--------|--------|--------|--------|------------|--------|
| 3/28/2017 | | | | | | | | | |
| 5/11/2017 | | | | | | | | | |
| 5/15/2017 | | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 7/11/2017 | | | | | | | | | |
| 7/12/2017 | | | | | | | | | |
| 8/8/2017 | | | | | | | | | |
| 10/24/2017 | | | | | | | | | |
| 2/27/2018 | | | | | | | | | |
| 3/8/2018 | | | | | | | | | |
| 7/12/2018 | | | | | | | | | |
| 11/6/2018 | | | | | | | | | |
| 11/7/2018 | | | | | | | | | |
| 1/28/2019 | <0.003 | | | | | | | | |
| 1/30/2019 | | <0.003 | | | | | | | |
| 8/27/2019 | | | | | | | | | |
| 8/28/2019 | | | | | | | | | |
| 9/11/2019 | <0.003 | | | | | | | | |
| 9/12/2019 | | <0.003 | | | | | | | |
| 9/18/2019 | | | <0.003 | | | | | | |
| 9/23/2019 | | | | <0.003 | | | | | |
| 10/15/2019 | | | | | | | | | |
| 10/16/2019 | | | | | | | | | |
| 10/21/2019 | | <0.003 | | <0.003 | <0.003 | | | | |
| 10/22/2019 | 0.00066 (J) | | | | | | | | |
| 10/24/2019 | | | <0.003 | | | | | | |
| 3/2/2020 | | | | | | | | | |
| 3/9/2020 | | | | | | | | | |
| 8/11/2020 | | | | | | | | | |
| 8/13/2020 | | | 0.00043 (J) | | | | | | |
| 8/14/2020 | | | | | <0.003 | | | | |
| 8/17/2020 | | | | <0.003 | | <0.003 | | | |
| 8/19/2020 | | | | | | | | <0.003 | |
| 9/22/2020 | | | | | | | | | |
| 9/24/2020 | | | 0.00036 (J) | | | | | | |
| 9/25/2020 | | | | | <0.003 | <0.003 | | | |
| 9/28/2020 | | | | <0.003 | | | | 0.0014 (J) | |
| 3/1/2021 | | | | | | | | | |
| 3/4/2021 | | | 0.00063 (J) | | <0.003 | | | | |
| 3/5/2021 | | | | | | <0.003 | | | |
| 3/9/2021 | | | | | | | | <0.003 | |
| 3/12/2021 | | | | | | | | | |
| 9/9/2021 | | | | | | | | | |
| 9/13/2021 | | | | | | <0.003 | | | |
| 9/14/2021 | <0.003 | <0.003 | <0.003 | <0.003 | | | | | |
| 9/15/2021 | | | | | | | <0.003 | <0.003 | <0.003 |
| 9/16/2021 | | | | | <0.003 | | | | |
| 1/18/2022 | | | | | | | | | |
| 1/20/2022 | <0.003 | | <0.003 | | | | | | |
| 1/21/2022 | | | | | <0.003 | | | | |
| 1/25/2022 | | <0.003 | | <0.003 | | | | | |
| 1/26/2022 | | | | | | | <0.003 | <0.003 | <0.003 |

Time Series

Constituent: Antimony (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|-----------|--------|--------|--------|--------|--------|--------|--------|-------------|--------|
| 1/27/2022 | | | | | | <0.003 | | | |
| 1/28/2022 | | | | | | | | | |
| 9/7/2022 | | | | | | | | | |
| 9/8/2022 | | | | | | | | | |
| 9/12/2022 | | | | | | | <0.003 | 0.00096 (J) | |
| 9/13/2022 | | | <0.003 | | <0.003 | | | | <0.003 |
| 9/14/2022 | <0.003 | | | | | | | | |
| 9/16/2022 | | <0.003 | | <0.003 | | <0.003 | | | |
| 1/31/2023 | | | | | | | <0.003 | 0.0015 (J) | |
| 2/1/2023 | | | | | | | | | <0.003 |
| 2/2/2023 | <0.003 | | | | | | | | |
| 2/3/2023 | | | | | <0.003 | | | | |
| 2/6/2023 | | | <0.003 | | | | | | |
| 2/7/2023 | | <0.003 | | <0.003 | | <0.003 | | | |
| 9/6/2023 | | | | | | | <0.003 | <0.003 | <0.003 |
| 9/7/2023 | <0.003 | | | | | | | | |
| 9/11/2023 | | <0.003 | | <0.003 | | | | | |
| 9/12/2023 | | | <0.003 | | <0.003 | <0.003 | | | |

Time Series

Constituent: Antimony (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|------------|--------|--------------|---------------|
| 3/28/2017 | | <0.003 | <0.003 |
| 5/11/2017 | | <0.003 | |
| 5/15/2017 | | | <0.003 |
| 6/15/2017 | | 0.0006 (J) | <0.003 |
| 7/11/2017 | | | <0.003 |
| 7/12/2017 | | <0.003 | |
| 8/8/2017 | | | <0.003 |
| 10/24/2017 | | <0.003 | <0.003 |
| 2/27/2018 | | | <0.003 |
| 3/8/2018 | | <0.003 | |
| 7/12/2018 | | <0.003 | |
| 11/6/2018 | | | <0.003 |
| 11/7/2018 | | <0.003 | |
| 1/28/2019 | | | |
| 1/30/2019 | | | |
| 8/27/2019 | | | <0.003 |
| 8/28/2019 | | <0.003 | |
| 9/11/2019 | | | |
| 9/12/2019 | | | |
| 9/18/2019 | | | |
| 9/23/2019 | | | |
| 10/15/2019 | | | <0.003 |
| 10/16/2019 | | <0.003 | |
| 10/21/2019 | | | |
| 10/22/2019 | | | |
| 10/24/2019 | | | |
| 3/2/2020 | | | <0.003 |
| 3/9/2020 | | <0.003 | |
| 8/11/2020 | | | 0.0013 (J) |
| 8/13/2020 | | 0.0003 (J) | |
| 8/14/2020 | | | |
| 8/17/2020 | | | |
| 8/19/2020 | | | |
| 9/22/2020 | | <0.003 | <0.003 |
| 9/24/2020 | | | |
| 9/25/2020 | | | |
| 9/28/2020 | | | |
| 3/1/2021 | | | <0.003 |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/9/2021 | | | |
| 3/12/2021 | | <0.003 | |
| 9/9/2021 | | <0.003 | 0.0015 (J) |
| 9/13/2021 | | | |
| 9/14/2021 | | | |
| 9/15/2021 | <0.003 | | |
| 9/16/2021 | | | |
| 1/18/2022 | | | <0.003 |
| 1/20/2022 | | | |
| 1/21/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | <0.003 | | |

Time Series

Constituent: Antimony (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|-----------|-----------|--------------|---------------|
| 1/27/2022 | | | |
| 1/28/2022 | | <0.003 | |
| 9/7/2022 | | | <0.003 |
| 9/8/2022 | | <0.003 | |
| 9/12/2022 | | | |
| 9/13/2022 | <0.003 | | |
| 9/14/2022 | | | |
| 9/16/2022 | | | |
| 1/31/2023 | 0.001 (J) | | <0.003 |
| 2/1/2023 | | <0.003 | |
| 2/2/2023 | | | |
| 2/3/2023 | | | |
| 2/6/2023 | | | |
| 2/7/2023 | | | |
| 9/6/2023 | <0.003 | | <0.003 |
| 9/7/2023 | | <0.003 | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |

Time Series

Constituent: Antimony (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWA-71 (bg) | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 |
|------------|--------------|---------|---------|------------|---------|------------|-------------|-------------|-------------|
| 8/31/2016 | | <0.003 | <0.003 | | | <0.003 | | | |
| 9/1/2016 | | | | <0.003 | | | | | <0.003 |
| 9/2/2016 | | | | | | | | | |
| 9/6/2016 | | | | | <0.003 | | <0.003 | | |
| 9/7/2016 | | | | | | | | <0.003 | |
| 12/6/2016 | | <0.003 | <0.003 | | | <0.003 | | | |
| 12/7/2016 | | | | <0.003 | <0.003 | | <0.003 | | <0.003 |
| 12/8/2016 | | | | | | | | <0.003 | |
| 3/28/2017 | 0.0007 (J) | | | | | | | | |
| 3/29/2017 | | <0.003 | <0.003 | <0.003 | | <0.003 | | | <0.003 |
| 3/30/2017 | | | | | <0.003 | | <0.003 | <0.003 | |
| 5/11/2017 | | | | | | | | | |
| 5/12/2017 | <0.003 | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 6/16/2017 | 0.0007 (J) | | | | | | | | |
| 7/11/2017 | <0.003 | | | | | | | | |
| 7/12/2017 | | <0.003 | <0.003 | <0.003 | <0.003 | <0.003 | <0.003 | <0.003 | <0.003 |
| 10/24/2017 | <0.003 | <0.003 | <0.003 | | | | | | |
| 10/25/2017 | | | | <0.003 | | <0.003 | <0.003 | <0.003 | <0.003 |
| 11/15/2017 | | | | | <0.003 | | | | |
| 2/27/2018 | <0.003 | <0.003 | <0.003 | <0.003 | | <0.003 | | | |
| 2/28/2018 | | | | | <0.003 | | <0.003 | <0.003 | <0.003 |
| 7/11/2018 | | | | <0.003 | | <0.003 | <0.003 | <0.003 | <0.003 |
| 11/6/2018 | <0.003 | <0.003 | <0.003 | | | | | | |
| 11/7/2018 | | | | <0.003 | <0.003 | <0.003 | <0.003 | <0.003 | <0.003 |
| 8/27/2019 | <0.003 | <0.003 | <0.003 | <0.003 | | <0.003 | | <0.003 | |
| 8/28/2019 | | | | | <0.003 | | 0.00033 (J) | | <0.003 |
| 8/29/2019 | | | | | | | | | |
| 9/17/2019 | | | | <0.003 | | | | | |
| 10/15/2019 | <0.003 | <0.003 | <0.003 | <0.003 | | | | | |
| 10/16/2019 | | | | | <0.003 | <0.003 | | | <0.003 |
| 10/17/2019 | | | | | | | <0.003 | | |
| 10/18/2019 | | | | | | | | <0.003 | |
| 3/2/2020 | 0.0018 (J) | | <0.003 | 0.0003 (J) | | | | | |
| 3/3/2020 | | <0.003 | | | <0.003 | <0.003 | <0.003 | | <0.003 |
| 3/4/2020 | | | | | | | | <0.003 | |
| 8/11/2020 | 0.0018 (J) | <0.003 | <0.003 | <0.003 | | <0.003 | | | <0.003 |
| 8/12/2020 | | | | | <0.003 | | | | |
| 8/13/2020 | | | | | | | 0.00073 (J) | | |
| 8/14/2020 | | | | | | | | <0.003 | |
| 9/22/2020 | <0.003 | | <0.003 | <0.003 | | 0.0011 (J) | | | 0.00036 (J) |
| 9/23/2020 | | | | | <0.003 | | <0.003 | | |
| 9/24/2020 | | <0.003 | | | | | | 0.00045 (J) | |
| 3/1/2021 | 0.0019 (J) | | | | | | | | |
| 3/2/2021 | | | <0.003 | | <0.003 | <0.003 | <0.003 | | <0.003 |
| 3/3/2021 | | | | <0.003 | | | | <0.003 | |
| 3/4/2021 | | <0.003 | | | | | | | |
| 9/8/2021 | <0.003 | | | | | | | | |
| 9/9/2021 | | | <0.003 | <0.003 | <0.003 | <0.003 | <0.003 | | <0.003 |
| 9/10/2021 | | <0.003 | | | | | | | |
| 9/13/2021 | | | | | | | | <0.003 | |
| 1/18/2022 | <0.003 | | | | | | | | |

Time Series

Constituent: Antimony (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWA-71 (bg) | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 |
|-----------|--------------|------------|---------|---------|---------|-----------|---------|---------|------------|
| 1/20/2022 | | | | | | | | | |
| 1/21/2022 | | | | | | | | | |
| 1/24/2022 | | | | | | | <0.003 | <0.003 | |
| 1/25/2022 | | | <0.003 | <0.003 | <0.003 | <0.003 | | | <0.003 |
| 1/26/2022 | | 0.0021 (J) | | | | | | | |
| 9/7/2022 | <0.003 | | | | | | | | |
| 9/13/2022 | | | | | | <0.003 | <0.003 | | |
| 9/14/2022 | | | | | | | | <0.003 | <0.003 |
| 9/15/2022 | | <0.003 | <0.003 | <0.003 | <0.003 | | | | |
| 9/20/2022 | | | | | | | | | |
| 1/31/2023 | <0.003 | | | | | | | | |
| 2/1/2023 | | | | | <0.003 | 0.001 (J) | | | |
| 2/2/2023 | | <0.003 | | | | | <0.003 | | |
| 2/6/2023 | | | <0.003 | <0.003 | | | | <0.003 | <0.003 |
| 2/7/2023 | | | | | | | | | |
| 9/6/2023 | 0.0045 | | | | | | | | |
| 9/8/2023 | | | <0.003 | | <0.003 | <0.003 | <0.003 | | 0.0013 (J) |
| 9/11/2023 | | <0.003 | | <0.003 | | | | | |
| 9/13/2023 | | | | | | | | <0.003 | |

Time Series

Constituent: Antimony (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|------------|------------|---------|------------|
| 8/31/2016 | | | |
| 9/1/2016 | | | |
| 9/2/2016 | | <0.003 | <0.003 |
| 9/6/2016 | | | |
| 9/7/2016 | | | |
| 12/6/2016 | | | |
| 12/7/2016 | | <0.003 | |
| 12/8/2016 | | | <0.003 |
| 3/28/2017 | | | |
| 3/29/2017 | | <0.003 | |
| 3/30/2017 | <0.003 | | <0.003 |
| 5/11/2017 | <0.003 | | |
| 5/12/2017 | | | |
| 6/15/2017 | 0.0006 (J) | | |
| 6/16/2017 | | | |
| 7/11/2017 | <0.003 | | |
| 7/12/2017 | | <0.003 | <0.003 |
| 10/24/2017 | <0.003 | | |
| 10/25/2017 | | <0.003 | <0.003 |
| 11/15/2017 | | | |
| 2/27/2018 | <0.003 | | |
| 2/28/2018 | | <0.003 | <0.003 |
| 7/11/2018 | <0.003 | <0.003 | 0.0013 (J) |
| 11/6/2018 | <0.003 | | |
| 11/7/2018 | | <0.003 | <0.003 |
| 8/27/2019 | <0.003 | | |
| 8/28/2019 | | | |
| 8/29/2019 | | <0.003 | <0.003 |
| 9/17/2019 | | | |
| 10/15/2019 | | | |
| 10/16/2019 | | | |
| 10/17/2019 | <0.003 | <0.003 | <0.003 |
| 10/18/2019 | | | |
| 3/2/2020 | | | |
| 3/3/2020 | <0.003 | | <0.003 |
| 3/4/2020 | | <0.003 | |
| 8/11/2020 | <0.003 | | |
| 8/12/2020 | | | |
| 8/13/2020 | | <0.003 | |
| 8/14/2020 | | | <0.003 |
| 9/22/2020 | | <0.003 | |
| 9/23/2020 | <0.003 | | |
| 9/24/2020 | | | <0.003 |
| 3/1/2021 | | | |
| 3/2/2021 | <0.003 | <0.003 | |
| 3/3/2021 | | | <0.003 |
| 3/4/2021 | | | |
| 9/8/2021 | | | |
| 9/9/2021 | <0.003 | | <0.003 |
| 9/10/2021 | | <0.003 | |
| 9/13/2021 | | | |
| 1/18/2022 | | | |

Time Series

Constituent: Antimony (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|-----------|--------|------------|---------|
| 1/20/2022 | <0.003 | | <0.003 |
| 1/21/2022 | | <0.003 | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | | | |
| 9/7/2022 | | | |
| 9/13/2022 | | | |
| 9/14/2022 | | | |
| 9/15/2022 | | <0.003 | <0.003 |
| 9/20/2022 | <0.003 | | |
| 1/31/2023 | | | |
| 2/1/2023 | | | |
| 2/2/2023 | | | |
| 2/6/2023 | <0.003 | | |
| 2/7/2023 | | <0.003 | <0.003 |
| 9/6/2023 | | | |
| 9/8/2023 | | | |
| 9/11/2023 | | 0.0018 (J) | <0.003 |
| 9/13/2023 | <0.003 | | |

Time Series

Constituent: Antimony (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-22 | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 | DGWC-48 | DGWC-5 | DGWC-8 | DGWC-9 |
|------------|---------|------------|-------------|---------|------------|-------------|-------------|-------------|--------|
| 8/30/2016 | | | | | | | | <0.003 | <0.003 |
| 8/31/2016 | | | | | | | <0.003 | | |
| 9/1/2016 | | | | | <0.003 | <0.003 | | | |
| 9/2/2016 | <0.003 | | | | | | | | |
| 9/7/2016 | | | | <0.003 | | | | | |
| 12/6/2016 | | | | | | | <0.003 | <0.003 | <0.003 |
| 12/8/2016 | <0.003 | | | <0.003 | <0.003 | <0.003 | | | |
| 3/28/2017 | | | <0.003 | | | | <0.003 | | <0.003 |
| 3/29/2017 | <0.003 | | | | | | | <0.003 | |
| 3/30/2017 | | <0.003 | | | | <0.003 | | | |
| 3/31/2017 | | | | <0.003 | <0.003 | | | | |
| 5/12/2017 | | <0.003 | <0.003 | | | | | | |
| 6/15/2017 | | 0.0007 (J) | 0.0008 (J) | | | | | | |
| 7/11/2017 | | | <0.003 | | | | <0.003 | <0.003 | <0.003 |
| 7/12/2017 | | <0.003 | | | | | | | |
| 7/13/2017 | <0.003 | | | <0.003 | <0.003 | <0.003 | | | |
| 10/24/2017 | | | <0.003 | | | | | <0.003 | <0.003 |
| 10/25/2017 | <0.003 | | | <0.003 | | | <0.003 | | |
| 10/26/2017 | | <0.003 | | | <0.003 | <0.003 | | | |
| 2/27/2018 | | | <0.003 | | | | <0.003 | <0.003 | <0.003 |
| 2/28/2018 | <0.003 | | | <0.003 | | | | | |
| 3/1/2018 | | <0.003 | | | <0.003 | | | | |
| 3/2/2018 | | | | | | <0.003 | | | |
| 7/11/2018 | | | | <0.003 | | | | | <0.003 |
| 7/12/2018 | <0.003 | <0.003 | | | <0.003 | <0.003 | | | |
| 11/6/2018 | | | <0.003 | | | | <0.003 | <0.003 | <0.003 |
| 11/7/2018 | <0.003 | | | <0.003 | <0.003 | <0.003 | | | |
| 11/8/2018 | | <0.003 | | | | | | | |
| 8/27/2019 | | | <0.003 | | | | <0.003 | | <0.003 |
| 8/28/2019 | | | | <0.003 | | | | <0.003 | |
| 8/29/2019 | <0.003 | <0.003 | | | <0.003 | <0.003 | | | |
| 10/15/2019 | | | <0.003 | | | | | | |
| 10/16/2019 | | | | | | | <0.003 | <0.003 | |
| 10/17/2019 | | | | <0.003 | <0.003 | | | | <0.003 |
| 10/18/2019 | <0.003 | <0.003 | | | | <0.003 | | | |
| 3/2/2020 | | | 0.00058 (J) | | | | 0.00032 (J) | | |
| 3/3/2020 | <0.003 | | | | | | | <0.003 | <0.003 |
| 3/4/2020 | | <0.003 | | <0.003 | <0.003 | <0.003 | | | |
| 8/11/2020 | | | | | | | | | <0.003 |
| 8/12/2020 | | | <0.003 | | <0.003 | | <0.003 | <0.003 | |
| 8/13/2020 | | <0.003 | | <0.003 | | <0.003 | | | |
| 8/14/2020 | <0.003 | | | | | | | | |
| 9/22/2020 | | | <0.003 | <0.003 | | | <0.003 | | <0.003 |
| 9/23/2020 | | | | | 0.0012 (J) | 0.00039 (J) | | <0.003 | |
| 9/24/2020 | <0.003 | <0.003 | | | | | | | |
| 3/1/2021 | | | 0.00049 (J) | | | | | | |
| 3/2/2021 | | | | | | | 0.0015 (J) | 0.00046 (J) | <0.003 |
| 3/3/2021 | <0.003 | <0.003 | | <0.003 | <0.003 | <0.003 | | | |
| 9/9/2021 | | <0.003 | | | | | | | |
| 9/10/2021 | <0.003 | | <0.003 | | <0.003 | 0.0018 (J) | <0.003 | | <0.003 |
| 9/13/2021 | | | | <0.003 | | | | <0.003 | |
| 1/20/2022 | <0.003 | <0.003 | | <0.003 | | | | | |

Time Series

Constituent: Antimony (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-22 | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 | DGWC-48 | DGWC-5 | DGWC-8 | DGWC-9 |
|-----------|---------|---------|--------|---------|---------|---------|--------|--------|--------|
| 1/21/2022 | | | | | <0.003 | | | | |
| 1/24/2022 | | | <0.003 | | | <0.003 | <0.003 | | |
| 1/25/2022 | | | | | | | | <0.003 | |
| 1/26/2022 | | | | | | | | | <0.003 |
| 9/13/2022 | | | | <0.003 | <0.003 | <0.003 | | | |
| 9/14/2022 | | | | | | | <0.003 | | |
| 9/15/2022 | | | | | | | | <0.003 | |
| 9/16/2022 | <0.003 | | | | | | | | |
| 9/19/2022 | | | <0.003 | | | | | | <0.003 |
| 9/20/2022 | | <0.003 | | | | | | | |
| 2/1/2023 | | | | <0.003 | | | | | |
| 2/3/2023 | | | <0.003 | | <0.003 | <0.003 | | | <0.003 |
| 2/6/2023 | <0.003 | <0.003 | | | | | | | |
| 2/7/2023 | | | | | | | <0.003 | <0.003 | |
| 9/11/2023 | <0.003 | <0.003 | | | | | | | |
| 9/12/2023 | | | | | <0.003 | | | <0.003 | |
| 9/13/2023 | | | <0.003 | <0.003 | | <0.003 | <0.003 | | |
| 9/14/2023 | | | | | | | | | |

Time Series

Constituent: Antimony (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

8/30/2016
8/31/2016
9/1/2016
9/2/2016
9/7/2016
12/6/2016
12/8/2016
3/28/2017
3/29/2017
3/30/2017
3/31/2017
5/12/2017
6/15/2017
7/11/2017
7/12/2017
7/13/2017
10/24/2017
10/25/2017
10/26/2017
2/27/2018
2/28/2018
3/1/2018
3/2/2018
7/11/2018
7/12/2018
11/6/2018
11/7/2018
11/8/2018
8/27/2019
8/28/2019
8/29/2019
10/15/2019
10/16/2019
10/17/2019
10/18/2019
3/2/2020
3/3/2020
3/4/2020
8/11/2020
8/12/2020
8/13/2020
8/14/2020
9/22/2020
9/23/2020
9/24/2020
3/1/2021
3/2/2021
3/3/2021
9/9/2021
9/10/2021
9/13/2021
1/20/2022

Time Series

Constituent: Antimony (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

| | |
|-----------|--------|
| 1/21/2022 | |
| 1/24/2022 | |
| 1/25/2022 | |
| 1/26/2022 | |
| 9/13/2022 | |
| 9/14/2022 | |
| 9/15/2022 | |
| 9/16/2022 | |
| 9/19/2022 | |
| 9/20/2022 | |
| 2/1/2023 | |
| 2/3/2023 | |
| 2/6/2023 | |
| 2/7/2023 | |
| 9/11/2023 | |
| 9/12/2023 | |
| 9/13/2023 | |
| 9/14/2023 | <0.003 |

Time Series

Constituent: Arsenic (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-100 | B-101D | B-102D | B-104D | B-106D | B-107D | B-108D | B-111D | B-120D |
|------------|--------|------------|--------|------------|--------|--------|--------|------------|------------|
| 1/30/2019 | | | | | | | | | |
| 9/11/2019 | | | | | | | | | |
| 10/21/2019 | | | | | | | | | |
| 7/23/2020 | <0.005 | | | | | | | | |
| 8/13/2020 | | | | | | | | | |
| 8/17/2020 | <0.005 | | | | | | | | |
| 9/24/2020 | | | | | | | | | |
| 9/25/2020 | <0.005 | | | | | | | | |
| 9/28/2020 | | | | | | | | | |
| 12/9/2020 | | | | <0.005 | | <0.005 | <0.005 | <0.005 | |
| 12/17/2020 | | | <0.005 | | <0.005 | | | | |
| 1/11/2021 | | | <0.005 | | | | | | |
| 1/12/2021 | | <0.005 | | <0.005 | | | | <0.005 | |
| 3/3/2021 | | | | | | | | | |
| 3/4/2021 | | | <0.005 | 0.0025 (J) | <0.005 | <0.005 | <0.005 | | |
| 3/5/2021 | | 0.0017 (J) | | | | | | 0.0023 (J) | |
| 3/8/2021 | <0.005 | | | | | | | | |
| 3/12/2021 | | | | | | | | | |
| 4/15/2021 | | | | | | | | | <0.005 |
| 9/9/2021 | | | | | | | | | |
| 9/10/2021 | | | <0.005 | | | | | | |
| 9/13/2021 | <0.005 | <0.005 | | | <0.005 | <0.005 | | | |
| 9/14/2021 | | | | 0.0019 (J) | | | <0.005 | 0.0029 (J) | <0.005 |
| 1/20/2022 | | | | | | | | | 0.0016 (J) |
| 1/21/2022 | <0.005 | | | | | | | | |
| 1/24/2022 | | | | 0.0035 (J) | | <0.005 | <0.005 | 0.0022 (J) | |
| 1/25/2022 | | | | | <0.005 | | | | |
| 1/26/2022 | | <0.005 | | | | | | | |
| 1/27/2022 | | | <0.005 | | | | | | |
| 6/6/2022 | | | | | | | | | |
| 9/8/2022 | <0.005 | | | | | | | | |
| 9/13/2022 | | | | <0.005 | | | | | |
| 9/14/2022 | | | | | | <0.005 | | <0.005 | |
| 9/15/2022 | | | <0.005 | | | | <0.005 | | |
| 9/16/2022 | | <0.005 | | | <0.005 | | | | |
| 9/19/2022 | | | | | | | | | <0.005 |
| 2/2/2023 | <0.005 | | <0.005 | | | | | | |
| 2/3/2023 | | <0.005 | | <0.005 | | | | | <0.005 |
| 2/6/2023 | | | | | | <0.005 | | | |
| 2/7/2023 | | | | | <0.005 | | <0.005 | <0.005 | |
| 9/6/2023 | <0.005 | | | | | | | | |
| 9/7/2023 | | | | | | | | | |
| 9/8/2023 | | <0.005 | | | | | | | |
| 9/11/2023 | | | <0.005 | | <0.005 | | | | |
| 9/12/2023 | | | | | | <0.005 | | | <0.005 |
| 9/13/2023 | | | | <0.005 | | | <0.005 | <0.005 | |

Time Series

Constituent: Arsenic (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-122D | B-56 | B-62 |
|------------|--------|------------|------------|
| 1/30/2019 | | | <0.005 |
| 9/11/2019 | | | <0.005 |
| 10/21/2019 | | | <0.005 |
| 7/23/2020 | | | |
| 8/13/2020 | | | <0.005 |
| 8/17/2020 | | 0.0032 (J) | |
| 9/24/2020 | | | <0.005 |
| 9/25/2020 | | | |
| 9/28/2020 | | 0.0047 (J) | |
| 12/9/2020 | | | |
| 12/17/2020 | | | |
| 1/11/2021 | | | |
| 1/12/2021 | | | |
| 3/3/2021 | | 0.003 (J) | |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/8/2021 | | | |
| 3/12/2021 | | | <0.005 |
| 4/15/2021 | | | |
| 9/9/2021 | | | <0.005 |
| 9/10/2021 | | | |
| 9/13/2021 | | 0.0031 (J) | |
| 9/14/2021 | | | |
| 1/20/2022 | | | 0.0033 (J) |
| 1/21/2022 | | | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | | | |
| 1/27/2022 | | 0.0045 (J) | |
| 6/6/2022 | <0.005 | | |
| 9/8/2022 | | | <0.005 |
| 9/13/2022 | | | |
| 9/14/2022 | | | |
| 9/15/2022 | | | |
| 9/16/2022 | | <0.005 | |
| 9/19/2022 | | | |
| 2/2/2023 | | | <0.005 |
| 2/3/2023 | | | |
| 2/6/2023 | <0.005 | | |
| 2/7/2023 | | 0.005 (J) | |
| 9/6/2023 | | | |
| 9/7/2023 | <0.005 | | <0.005 |
| 9/8/2023 | | 0.0043 (J) | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |
| 9/13/2023 | | | |

Time Series

Constituent: Arsenic (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|------------|------------|--------|------------|--------|------------|--------|------------|------------|--------|
| 11/22/2016 | | <0.005 | | | | | | | |
| 3/28/2017 | | | | | | | | | |
| 5/11/2017 | | | | | | | | | |
| 5/15/2017 | | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 7/11/2017 | | | | | | | | | |
| 7/12/2017 | | | | | | | | | |
| 8/8/2017 | | | | | | | | | |
| 10/24/2017 | | | | | | | | | |
| 2/19/2018 | | <0.005 | | | | | | | |
| 2/27/2018 | | | | | | | | | |
| 3/8/2018 | | | | | | | | | |
| 7/12/2018 | | | | | | | | | |
| 11/6/2018 | | | | | | | | | |
| 11/7/2018 | | | | | | | | | |
| 1/28/2019 | <0.005 | | | | | | | | |
| 1/30/2019 | | <0.005 | | | | | | | |
| 8/27/2019 | | | | | | | | | |
| 8/28/2019 | | | | | | | | | |
| 9/11/2019 | <0.005 | | | | | | | | |
| 9/12/2019 | | <0.005 | | | | | | | |
| 9/18/2019 | | | <0.005 | | | | | | |
| 9/23/2019 | | | | <0.005 | | | | | |
| 10/15/2019 | | | | | | | | | |
| 10/16/2019 | | | | | | | | | |
| 10/21/2019 | | <0.005 | | <0.005 | <0.005 | | | | |
| 10/22/2019 | <0.005 | | | | | | | | |
| 10/24/2019 | | | 0.0029 (J) | | | | | | |
| 3/2/2020 | | | | | | | | | |
| 3/9/2020 | | | | | | | | | |
| 8/11/2020 | | | | | | | | | |
| 8/13/2020 | | | 0.002 (J) | | | | | | |
| 8/14/2020 | | | | | <0.005 | | | | |
| 8/17/2020 | | | | <0.005 | | <0.005 | | | |
| 8/19/2020 | | | | | | | | 0.0013 (J) | |
| 9/22/2020 | | | | | | | | | |
| 9/24/2020 | | | 0.0025 (J) | | | | | | |
| 9/25/2020 | | | | | <0.005 | <0.005 | | | |
| 9/28/2020 | | | | <0.005 | | | | 0.0027 (J) | |
| 3/1/2021 | | | | | | | | | |
| 3/4/2021 | | | 0.002 (J) | | <0.005 | | | | |
| 3/5/2021 | | | | | | <0.005 | | | |
| 3/9/2021 | | | | | | | | <0.005 | |
| 3/12/2021 | | <0.005 | | <0.005 | | | | | |
| 9/9/2021 | | | | | | | | | |
| 9/13/2021 | | | | | | <0.005 | | | |
| 9/14/2021 | <0.005 | <0.005 | <0.005 | <0.005 | | | | | |
| 9/15/2021 | | | | | | | 0.0012 (J) | <0.005 | <0.005 |
| 9/16/2021 | | | | | <0.005 | | | | |
| 1/18/2022 | | | | | | | | | |
| 1/20/2022 | 0.0022 (J) | | 0.003 (J) | | | | | | |
| 1/21/2022 | | | | | 0.0014 (J) | | | | |

Time Series

Constituent: Arsenic (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|-----------|--------|------------|--------|------------|--------|--------|------------|------------|------------|
| 1/25/2022 | | <0.005 | | 0.003 (J) | | | | | |
| 1/26/2022 | | | | | | | 0.0015 (J) | 0.002 (J) | 0.0014 (J) |
| 1/27/2022 | | | | | | <0.005 | | | |
| 1/28/2022 | | | | | | | | | |
| 9/7/2022 | | | | | | | | | |
| 9/8/2022 | | | | | | | | | |
| 9/12/2022 | | | | | | | <0.005 | <0.005 | |
| 9/13/2022 | | | <0.005 | | <0.005 | | | | <0.005 |
| 9/14/2022 | <0.005 | | | | | | | | |
| 9/16/2022 | | <0.005 (D) | | <0.005 (D) | | <0.005 | | | |
| 1/31/2023 | | | | | | | 0.0023 (J) | 0.0028 (J) | |
| 2/1/2023 | | | | | | | | | <0.005 |
| 2/2/2023 | <0.005 | | | | | | | | |
| 2/3/2023 | | | | | <0.005 | | | | |
| 2/6/2023 | | | <0.005 | | | | | | |
| 2/7/2023 | | <0.005 | | 0.004 (J) | | <0.005 | | | |
| 9/6/2023 | | | | | | | <0.005 | <0.005 | <0.005 |
| 9/7/2023 | <0.005 | | | | | | | | |
| 9/11/2023 | | <0.005 | | <0.005 | | | | | |
| 9/12/2023 | | | <0.005 | | <0.005 | <0.005 | | | |

Time Series

Constituent: Arsenic (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|------------|--------|--------------|---------------|
| 11/22/2016 | | | |
| 3/28/2017 | | 0.0005 (J) | <0.005 |
| 5/11/2017 | | 0.0005 (J) | |
| 5/15/2017 | | | <0.005 |
| 6/15/2017 | | <0.005 | <0.005 |
| 7/11/2017 | | | <0.005 |
| 7/12/2017 | | <0.005 | |
| 8/8/2017 | | | <0.005 |
| 10/24/2017 | | <0.005 | <0.005 |
| 2/19/2018 | | | |
| 2/27/2018 | | | <0.005 |
| 3/8/2018 | | <0.005 | |
| 7/12/2018 | | <0.005 | |
| 11/6/2018 | | | <0.005 |
| 11/7/2018 | | <0.005 (J) | |
| 1/28/2019 | | | |
| 1/30/2019 | | | |
| 8/27/2019 | | | <0.005 |
| 8/28/2019 | | <0.005 | |
| 9/11/2019 | | | |
| 9/12/2019 | | | |
| 9/18/2019 | | | |
| 9/23/2019 | | | |
| 10/15/2019 | | | 0.00052 (J) |
| 10/16/2019 | | 0.0018 (J) | |
| 10/21/2019 | | | |
| 10/22/2019 | | | |
| 10/24/2019 | | | |
| 3/2/2020 | | | <0.005 |
| 3/9/2020 | | 0.00068 (J) | |
| 8/11/2020 | | | <0.005 |
| 8/13/2020 | | <0.005 | |
| 8/14/2020 | | | |
| 8/17/2020 | | | |
| 8/19/2020 | | | |
| 9/22/2020 | | 0.00093 (J) | <0.005 |
| 9/24/2020 | | | |
| 9/25/2020 | | | |
| 9/28/2020 | | | |
| 3/1/2021 | | | <0.005 |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/9/2021 | | | |
| 3/12/2021 | | <0.005 | |
| 9/9/2021 | | <0.005 | <0.005 |
| 9/13/2021 | | | |
| 9/14/2021 | | | |
| 9/15/2021 | <0.005 | | |
| 9/16/2021 | | | |
| 1/18/2022 | | | 0.0046 (J) |
| 1/20/2022 | | | |
| 1/21/2022 | | | |

Time Series

Constituent: Arsenic (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|-----------|--------|--------------|---------------|
| 1/25/2022 | | | |
| 1/26/2022 | <0.005 | | |
| 1/27/2022 | | | |
| 1/28/2022 | | 0.0024 (J) | |
| 9/7/2022 | | | 0.0024 (J) |
| 9/8/2022 | | 0.0029 (J) | |
| 9/12/2022 | | | |
| 9/13/2022 | <0.005 | | |
| 9/14/2022 | | | |
| 9/16/2022 | | | |
| 1/31/2023 | <0.005 | | <0.005 |
| 2/1/2023 | | 0.0029 (J) | |
| 2/2/2023 | | | |
| 2/3/2023 | | | |
| 2/6/2023 | | | |
| 2/7/2023 | | | |
| 9/6/2023 | <0.005 | | <0.005 |
| 9/7/2023 | | <0.005 | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |

Time Series

Constituent: Arsenic (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWA-71 (bg) | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 |
|------------|--------------|------------|---------|-------------|---------|-------------|-------------|-------------|-------------|
| 8/31/2016 | | 0.0058 | <0.005 | | | <0.005 | | | |
| 9/1/2016 | | | | <0.005 | | | | | 0.0022 (J) |
| 9/2/2016 | | | | | | | | | |
| 9/6/2016 | | | | | <0.005 | | <0.005 | | |
| 9/7/2016 | | | | | | | | <0.005 | |
| 12/6/2016 | | 0.0017 (J) | <0.005 | | | <0.005 | | | |
| 12/7/2016 | | | | <0.005 | <0.005 | | <0.005 | | <0.005 |
| 12/8/2016 | | | | | | | | <0.005 | |
| 3/28/2017 | <0.005 | | | | | | | | |
| 3/29/2017 | | 0.0055 | <0.005 | <0.005 | | <0.005 | | | 0.002 (J) |
| 3/30/2017 | | | | | <0.005 | | 0.0006 (J) | 0.0008 (J) | |
| 5/11/2017 | | | | | | | | | |
| 5/12/2017 | 0.0004 (J) | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 6/16/2017 | <0.005 | | | | | | | | |
| 7/11/2017 | <0.005 | | | | | | | | |
| 7/12/2017 | | 0.0042 (J) | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0016 (J) |
| 10/24/2017 | <0.005 | 0.0058 | <0.005 | | | | | | |
| 10/25/2017 | | | | 0.0006 (J) | | <0.005 | <0.005 | 0.0007 (J) | 0.0022 (J) |
| 11/15/2017 | | | | | <0.005 | | | | |
| 2/27/2018 | <0.005 | 0.0105 | <0.005 | <0.005 | | <0.005 | | | |
| 2/28/2018 | | | | | <0.005 | | <0.005 | 0.00073 (J) | 0.0028 (J) |
| 7/11/2018 | | | | <0.005 | | <0.005 | <0.005 | <0.005 | 0.0009 (J) |
| 11/6/2018 | <0.005 | <0.005 (J) | <0.005 | | | | | | |
| 11/7/2018 | | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 (J) |
| 8/27/2019 | <0.005 | 0.0024 (J) | <0.005 | <0.005 | | <0.005 | | <0.005 | |
| 8/28/2019 | | | | | <0.005 | | <0.005 | | 0.00049 (J) |
| 8/29/2019 | | | | <0.005 | | | | | |
| 9/17/2019 | | | | <0.005 | | | | | |
| 10/15/2019 | 0.00071 (J) | 0.0078 | <0.005 | 0.00063 (J) | | | | | |
| 10/16/2019 | | | | | <0.005 | 0.00039 (J) | | | 0.00046 (J) |
| 10/17/2019 | | | | | | | 0.00064 (J) | | |
| 10/18/2019 | | | | | | | | 0.0012 (J) | |
| 3/2/2020 | <0.005 | | <0.005 | <0.005 | | | | | |
| 3/3/2020 | | 0.0025 (J) | | | <0.005 | <0.005 | <0.005 | | <0.005 |
| 3/4/2020 | | | | | | | | 0.0014 (J) | |
| 8/11/2020 | <0.005 | 0.0028 (J) | <0.005 | <0.005 | | <0.005 | | | 0.0014 (J) |
| 8/12/2020 | | | | | <0.005 | | | | |
| 8/13/2020 | | | | | | | 0.0013 (J) | | |
| 8/14/2020 | | | | | | | | <0.005 | |
| 9/22/2020 | <0.005 | | <0.005 | <0.005 | | <0.005 | | | 0.0017 (J) |
| 9/23/2020 | | | | | <0.005 | | <0.005 | | |
| 9/24/2020 | | 0.0078 | | | | | | 0.0011 (J) | |
| 3/1/2021 | <0.005 | | | | | | | | |
| 3/2/2021 | | | <0.005 | | <0.005 | <0.005 | <0.005 | | 0.0013 (J) |
| 3/3/2021 | | | | <0.005 | | | | <0.005 | |
| 3/4/2021 | | 0.006 | | | | | | | |
| 9/8/2021 | <0.005 | | | | | | | | |
| 9/9/2021 | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | | 0.0027 (J) |
| 9/10/2021 | | 0.0076 | | | | | | | |
| 9/13/2021 | | | | | | | | <0.005 | |
| 1/18/2022 | 0.0054 | | | | | | | | |

Time Series

Constituent: Arsenic (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWA-71 (bg) | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 |
|-----------|--------------|------------|---------|---------|---------|---------|---------|------------|------------|
| 1/20/2022 | | | | | | | | | |
| 1/21/2022 | | | | | | | | | |
| 1/24/2022 | | | | | | | <0.005 | 0.0014 (J) | |
| 1/25/2022 | | | <0.005 | <0.005 | <0.005 | <0.005 | | | 0.0014 (J) |
| 1/26/2022 | | 0.0043 (J) | | | | | | | |
| 9/7/2022 | <0.005 | | | | | | | | |
| 9/13/2022 | | | | | | <0.005 | <0.005 | | |
| 9/14/2022 | | | | | | | | <0.005 | <0.005 |
| 9/15/2022 | | 0.0024 (J) | <0.005 | <0.005 | <0.005 | | | | |
| 9/20/2022 | | | | | | | | | |
| 1/31/2023 | <0.005 | | | | | | | | |
| 2/1/2023 | | | | | <0.005 | <0.005 | | | |
| 2/2/2023 | | 0.0036 (J) | | | | | <0.005 | | |
| 2/6/2023 | | | <0.005 | <0.005 | | | | <0.005 | <0.005 |
| 2/7/2023 | | | | | | | | | |
| 9/6/2023 | <0.005 | | | | | | | | |
| 9/8/2023 | | | <0.005 | | <0.005 | <0.005 | <0.005 | | <0.005 |
| 9/11/2023 | | 0.0065 | | <0.005 | | | | | |
| 9/13/2023 | | | | | | | | <0.005 | |

Time Series

Constituent: Arsenic (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|------------|-------------|------------|---------|
| 8/31/2016 | | | |
| 9/1/2016 | | | |
| 9/2/2016 | | 0.0159 | <0.005 |
| 9/6/2016 | | | |
| 9/7/2016 | | | |
| 12/6/2016 | | | |
| 12/7/2016 | | 0.0037 (J) | |
| 12/8/2016 | | | <0.005 |
| 3/28/2017 | | | |
| 3/29/2017 | | 0.015 | |
| 3/30/2017 | <0.005 | | <0.005 |
| 5/11/2017 | <0.005 | | |
| 5/12/2017 | | | |
| 6/15/2017 | <0.005 | | |
| 6/16/2017 | | | |
| 7/11/2017 | <0.005 | | |
| 7/12/2017 | | 0.0121 | <0.005 |
| 10/24/2017 | <0.005 | | |
| 10/25/2017 | | 0.0135 | <0.005 |
| 11/15/2017 | | | |
| 2/27/2018 | <0.005 | | |
| 2/28/2018 | | 0.0177 | <0.005 |
| 7/11/2018 | <0.005 | 0.0055 | <0.005 |
| 11/6/2018 | <0.005 | | |
| 11/7/2018 | | 0.0054 | <0.005 |
| 8/27/2019 | 0.00099 (J) | | |
| 8/28/2019 | | | |
| 8/29/2019 | | 0.0064 | <0.005 |
| 9/17/2019 | | | |
| 10/15/2019 | | | |
| 10/16/2019 | | | |
| 10/17/2019 | <0.005 | 0.0094 | <0.005 |
| 10/18/2019 | | | |
| 3/2/2020 | | | |
| 3/3/2020 | 0.0025 (J) | | <0.005 |
| 3/4/2020 | | 0.029 | |
| 8/11/2020 | <0.005 | | |
| 8/12/2020 | | | |
| 8/13/2020 | | 0.014 | |
| 8/14/2020 | | | <0.005 |
| 9/22/2020 | | 0.0063 | |
| 9/23/2020 | <0.005 | | |
| 9/24/2020 | | | <0.005 |
| 3/1/2021 | | | |
| 3/2/2021 | <0.005 | 0.019 | |
| 3/3/2021 | | | <0.005 |
| 3/4/2021 | | | |
| 9/8/2021 | | | |
| 9/9/2021 | <0.005 | | <0.005 |
| 9/10/2021 | | 0.0083 | |
| 9/13/2021 | | | |
| 1/18/2022 | | | |

Time Series

Constituent: Arsenic (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|-----------|------------|---------|---------|
| 1/20/2022 | 0.0023 (J) | | <0.005 |
| 1/21/2022 | | 0.015 | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | | | |
| 9/7/2022 | | | |
| 9/13/2022 | | | |
| 9/14/2022 | | | |
| 9/15/2022 | | 0.016 | <0.005 |
| 9/20/2022 | <0.005 | | |
| 1/31/2023 | | | |
| 2/1/2023 | | | |
| 2/2/2023 | | | |
| 2/6/2023 | <0.005 | | |
| 2/7/2023 | | 0.023 | <0.005 |
| 9/6/2023 | | | |
| 9/8/2023 | | | |
| 9/11/2023 | | 0.029 | <0.005 |
| 9/13/2023 | <0.005 | | |

Time Series

Constituent: Arsenic (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-22 | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 | DGWC-48 | DGWC-5 | DGWC-8 | DGWC-9 |
|------------|-----------|---------|------------|------------|-------------|-------------|------------|-------------|--------|
| 8/30/2016 | | | | | | | | <0.005 | 0.0241 |
| 8/31/2016 | | | | | | | 0.0035 (J) | | |
| 9/1/2016 | | | | | 0.0037 (J) | <0.005 | | | |
| 9/2/2016 | <0.005 | | | | | | | | |
| 9/7/2016 | | | | <0.005 | | | | | |
| 12/6/2016 | | | | | | | 0.0032 (J) | <0.005 | <0.005 |
| 12/8/2016 | <0.005 | | | <0.005 | 0.0032 (J) | <0.005 | | | |
| 3/28/2017 | | | 0.0005 (J) | | | | 0.0385 | | 0.0243 |
| 3/29/2017 | <0.005 | | | | | | | 0.001 (J) | |
| 3/30/2017 | | <0.005 | | | | 0.0015 (J) | | | |
| 3/31/2017 | | | | 0.0007 (J) | 0.0031 (J) | | | | |
| 5/12/2017 | | <0.005 | 0.0005 (J) | | | | | | |
| 6/15/2017 | | <0.005 | <0.005 | | | | | | |
| 7/11/2017 | | | 0.0008 (J) | | | | 0.0203 | 0.0012 (J) | 0.0194 |
| 7/12/2017 | | <0.005 | | | | | | | |
| 7/13/2017 | <0.005 | | | <0.005 | 0.0018 (J) | 0.0012 (J) | | | |
| 10/24/2017 | | | <0.005 | | | | | 0.0015 (J) | 0.0249 |
| 10/25/2017 | <0.005 | | | <0.005 | | | 0.0119 | | |
| 10/26/2017 | | <0.005 | | | 0.0016 (J) | 0.0008 (J) | | | |
| 2/27/2018 | | | <0.005 | | | | 0.0094 | 0.002 (J) | 0.0405 |
| 2/28/2018 | 0.001 (J) | | | 0.0011 (J) | | | | | |
| 3/1/2018 | | <0.005 | | | 0.0029 (J) | | | | |
| 3/2/2018 | | | | | | 0.0017 (J) | | | |
| 7/11/2018 | | | | <0.005 | | | | | 0.016 |
| 7/12/2018 | <0.005 | <0.005 | | | 0.0023 (J) | 0.0015 (J) | | | |
| 11/6/2018 | | | <0.005 | | | | <0.005 | <0.005 | 0.017 |
| 11/7/2018 | <0.005 | | | <0.005 | <0.005 (J) | <0.005 | | | |
| 11/8/2018 | | <0.005 | | | | | | | |
| 8/27/2019 | | | <0.005 | | | | <0.005 | | 0.021 |
| 8/28/2019 | | | | <0.005 | | | | <0.005 | |
| 8/29/2019 | <0.005 | <0.005 | | | 0.00089 (J) | <0.005 | | | |
| 10/15/2019 | | | <0.005 | | | | | | |
| 10/16/2019 | | | | | | | 0.0036 (J) | <0.005 | |
| 10/17/2019 | | | | <0.005 | 0.0013 (J) | | | | 0.033 |
| 10/18/2019 | <0.005 | <0.005 | | | | 0.00079 (J) | | | |
| 3/2/2020 | | | <0.005 | | | | 0.0052 | | |
| 3/3/2020 | <0.005 | | | | | | | 0.00096 (J) | 0.015 |
| 3/4/2020 | | <0.005 | | <0.005 | 0.0012 (J) | 0.0006 (J) | | | |
| 8/11/2020 | | | | | | | | | 0.022 |
| 8/12/2020 | | | <0.005 | | 0.00081 (J) | | 0.002 (J) | <0.005 | |
| 8/13/2020 | | <0.005 | | <0.005 | | <0.005 | | | |
| 8/14/2020 | <0.005 | | | | | | | | |
| 9/22/2020 | | | <0.005 | <0.005 | | | 0.0062 | | 0.04 |
| 9/23/2020 | | | | | <0.005 | <0.005 | | <0.005 | |
| 9/24/2020 | <0.005 | <0.005 | | | | | | | |
| 3/1/2021 | | | <0.005 | | | | | | |
| 3/2/2021 | | | | | | | 0.0013 (J) | <0.005 | 0.021 |
| 3/3/2021 | <0.005 | <0.005 | | <0.005 | <0.005 | <0.005 | | | |
| 9/9/2021 | | <0.005 | | | | | | | |
| 9/10/2021 | <0.005 | | <0.005 | | 0.0016 (J) | <0.005 | 0.0031 (J) | | 0.031 |
| 9/13/2021 | | | | <0.005 | | | | <0.005 | |
| 1/20/2022 | <0.005 | <0.005 | | <0.005 | | | | | |

Time Series

Constituent: Arsenic (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-22 | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 | DGWC-48 | DGWC-5 | DGWC-8 | DGWC-9 |
|-----------|---------|---------|------------|---------|------------|---------|------------|--------|--------|
| 1/21/2022 | | | | | 0.0036 (J) | | | | |
| 1/24/2022 | | | 0.0011 (J) | | | <0.005 | 0.0019 (J) | | |
| 1/25/2022 | | | | | | | | <0.005 | |
| 1/26/2022 | | | | | | | | | 0.012 |
| 9/13/2022 | | | | <0.005 | <0.005 | <0.005 | | | |
| 9/14/2022 | | | | | | | 0.0038 (J) | | |
| 9/15/2022 | | | | | | | | <0.005 | |
| 9/16/2022 | <0.005 | | | | | | | | |
| 9/19/2022 | | | <0.005 | | | | | | 0.016 |
| 9/20/2022 | | <0.005 | | | | | | | |
| 2/1/2023 | | | | <0.005 | | | | | |
| 2/3/2023 | | | <0.005 | | <0.005 | <0.005 | | | 0.014 |
| 2/6/2023 | <0.005 | <0.005 | | | | | | | |
| 2/7/2023 | | | | | | | 0.0036 (J) | <0.005 | |
| 9/11/2023 | <0.005 | <0.005 | | | | | | | |
| 9/12/2023 | | | | | <0.005 | | | <0.005 | |
| 9/13/2023 | | | <0.005 | <0.005 | | <0.005 | <0.005 | | |
| 9/14/2023 | | | | | | | | | |

Time Series

Constituent: Arsenic (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

8/30/2016
8/31/2016
9/1/2016
9/2/2016
9/7/2016
12/6/2016
12/8/2016
3/28/2017
3/29/2017
3/30/2017
3/31/2017
5/12/2017
6/15/2017
7/11/2017
7/12/2017
7/13/2017
10/24/2017
10/25/2017
10/26/2017
2/27/2018
2/28/2018
3/1/2018
3/2/2018
7/11/2018
7/12/2018
11/6/2018
11/7/2018
11/8/2018
8/27/2019
8/28/2019
8/29/2019
10/15/2019
10/16/2019
10/17/2019
10/18/2019
3/2/2020
3/3/2020
3/4/2020
8/11/2020
8/12/2020
8/13/2020
8/14/2020
9/22/2020
9/23/2020
9/24/2020
3/1/2021
3/2/2021
3/3/2021
9/9/2021
9/10/2021
9/13/2021
1/20/2022

Time Series

Constituent: Arsenic (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

| | |
|-----------|--------|
| 1/21/2022 | |
| 1/24/2022 | |
| 1/25/2022 | |
| 1/26/2022 | |
| 9/13/2022 | |
| 9/14/2022 | |
| 9/15/2022 | |
| 9/16/2022 | |
| 9/19/2022 | |
| 9/20/2022 | |
| 2/1/2023 | |
| 2/3/2023 | |
| 2/6/2023 | |
| 2/7/2023 | |
| 9/11/2023 | |
| 9/12/2023 | |
| 9/13/2023 | |
| 9/14/2023 | <0.005 |

Time Series

Constituent: Barium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-100 | B-101D | B-102D | B-104D | B-106D | B-107D | B-108D | B-111D | B-120D |
|------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1/30/2019 | | | | | | | | | |
| 9/11/2019 | | | | | | | | | |
| 10/21/2019 | | | | | | | | | |
| 8/13/2020 | | | | | | | | | |
| 8/17/2020 | 0.015 | | | | | | | | |
| 9/24/2020 | | | | | | | | | |
| 9/25/2020 | 0.022 | | | | | | | | |
| 9/28/2020 | | | | | | | | | |
| 12/9/2020 | | | | 0.026 | | 0.13 | 0.066 | 0.027 | |
| 12/17/2020 | | | 0.022 | | 0.022 | | | | |
| 1/11/2021 | | | 0.024 | | | | | | |
| 1/12/2021 | | 0.076 | | 0.022 | | | | 0.027 | |
| 3/3/2021 | | | | | | | | | |
| 3/4/2021 | | | 0.022 | 0.021 | 0.021 | 0.12 | 0.06 | | |
| 3/5/2021 | | 0.064 | | | | | | 0.038 | |
| 3/8/2021 | 0.022 | | | | | | | | |
| 3/12/2021 | | | | | | | | | |
| 4/15/2021 | | | | | | | | | 0.044 |
| 9/9/2021 | | | | | | | | | |
| 9/10/2021 | | | 0.02 | | | | | | |
| 9/13/2021 | 0.021 | 0.076 | | | 0.02 | 0.087 | | | |
| 9/14/2021 | | | | 0.021 | | | 0.06 | 0.043 | 0.031 |
| 1/20/2022 | | | | | | | | | 0.025 |
| 1/21/2022 | 0.023 | | | | | | | | |
| 1/24/2022 | | | | 0.024 | | 0.092 | 0.056 | 0.038 | |
| 1/25/2022 | | | | | 0.02 | | | | |
| 1/26/2022 | | 0.062 | | | | | | | |
| 1/27/2022 | | | 0.022 | | | | | | |
| 6/6/2022 | | | | | | | | | |
| 9/8/2022 | 0.021 | | | | | | | | |
| 9/13/2022 | | | | 0.021 | | | | | |
| 9/14/2022 | | | | | | 0.057 | | 0.028 | |
| 9/15/2022 | | | 0.019 | | | | 0.054 | | |
| 9/16/2022 | | 0.063 | | | 0.021 | | | | |
| 9/19/2022 | | | | | | | | | 0.023 |
| 2/2/2023 | 0.098 | | 0.02 | | | | | | |
| 2/3/2023 | | 0.048 | | 0.017 | | | | | 0.021 |
| 2/6/2023 | | | | | | 0.049 | | | |
| 2/7/2023 | | | | | 0.022 | | 0.051 | 0.028 | |
| 9/6/2023 | 0.021 | | | | | | | | |
| 9/7/2023 | | | | | | | | | |
| 9/8/2023 | | 0.075 | | | | | | | |
| 9/11/2023 | | | 0.019 | | 0.023 | | | | |
| 9/12/2023 | | | | | | 0.046 | | | 0.021 |
| 9/13/2023 | | | | 0.02 | | | 0.051 | 0.031 | |

Time Series

Constituent: Barium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-122D | B-56 | B-62 |
|------------|--------|-------|-------|
| 1/30/2019 | | | 0.018 |
| 9/11/2019 | | | 0.023 |
| 10/21/2019 | | | 0.026 |
| 8/13/2020 | | | 0.026 |
| 8/17/2020 | | 0.03 | |
| 9/24/2020 | | | 0.025 |
| 9/25/2020 | | | |
| 9/28/2020 | | 0.026 | |
| 12/9/2020 | | | |
| 12/17/2020 | | | |
| 1/11/2021 | | | |
| 1/12/2021 | | | |
| 3/3/2021 | | 0.028 | |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/8/2021 | | | |
| 3/12/2021 | | | 0.027 |
| 4/15/2021 | | | |
| 9/9/2021 | | | 0.021 |
| 9/10/2021 | | | |
| 9/13/2021 | | 0.026 | |
| 9/14/2021 | | | |
| 1/20/2022 | | | 0.021 |
| 1/21/2022 | | | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | | | |
| 1/27/2022 | | 0.03 | |
| 6/6/2022 | 0.039 | | |
| 9/8/2022 | | | 0.018 |
| 9/13/2022 | | | |
| 9/14/2022 | | | |
| 9/15/2022 | | | |
| 9/16/2022 | | 0.028 | |
| 9/19/2022 | | | |
| 2/2/2023 | | | 0.019 |
| 2/3/2023 | | | |
| 2/6/2023 | 0.04 | | |
| 2/7/2023 | | 0.027 | |
| 9/6/2023 | | | |
| 9/7/2023 | 0.044 | | 0.015 |
| 9/8/2023 | | 0.028 | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |
| 9/13/2023 | | | |

Time Series

Constituent: Barium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|------------|-------|-------|-------|-------|-------|-------|-------|-----------|------|
| 3/28/2017 | | | | | | | | | |
| 5/11/2017 | | | | | | | | | |
| 5/15/2017 | | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 7/11/2017 | | | | | | | | | |
| 7/12/2017 | | | | | | | | | |
| 8/8/2017 | | | | | | | | | |
| 10/24/2017 | | | | | | | | | |
| 2/27/2018 | | | | | | | | | |
| 3/8/2018 | | | | | | | | | |
| 7/12/2018 | | | | | | | | | |
| 11/6/2018 | | | | | | | | | |
| 11/7/2018 | | | | | | | | | |
| 1/28/2019 | 0.028 | | | | | | | | |
| 1/30/2019 | | 0.016 | | | | | | | |
| 8/27/2019 | | | | | | | | | |
| 8/28/2019 | | | | | | | | | |
| 9/11/2019 | 0.021 | | | | | | | | |
| 9/12/2019 | | 0.017 | | | | | | | |
| 9/18/2019 | | | 0.086 | | | | | | |
| 9/23/2019 | | | | 0.031 | | | | | |
| 10/15/2019 | | | | | | | | | |
| 10/16/2019 | | | | | | | | | |
| 10/21/2019 | | 0.018 | | 0.03 | 0.034 | | | | |
| 10/22/2019 | 0.021 | | | | | | | | |
| 10/24/2019 | | | 0.1 | | | | | | |
| 3/2/2020 | | | | | | | | | |
| 3/9/2020 | | | | | | | | | |
| 8/11/2020 | | | | | | | | | |
| 8/13/2020 | | | 0.11 | | | | | | |
| 8/14/2020 | | | | | 0.056 | | | | |
| 8/17/2020 | | | | 0.024 | | 0.022 | | | |
| 8/19/2020 | | | | | | | | 0.018 | |
| 9/22/2020 | | | | | | | | | |
| 9/24/2020 | | | 0.12 | | | | | | |
| 9/25/2020 | | | | | 0.027 | 0.021 | | | |
| 9/28/2020 | | | | 0.023 | | | | 0.017 | |
| 3/1/2021 | | | | | | | | | |
| 3/4/2021 | | | 0.11 | | 0.032 | | | | |
| 3/5/2021 | | | | | | 0.022 | | | |
| 3/9/2021 | | | | | | | | 0.016 (J) | |
| 3/12/2021 | | | | | | | | | |
| 9/9/2021 | | | | | | | | | |
| 9/13/2021 | | | | | | 0.016 | | | |
| 9/14/2021 | 0.026 | 0.018 | 0.12 | 0.022 | | | | | |
| 9/15/2021 | | | | | | | 0.015 | 0.016 | 0.02 |
| 9/16/2021 | | | | | 0.03 | | | | |
| 1/18/2022 | | | | | | | | | |
| 1/20/2022 | 0.02 | | 0.13 | | | | | | |
| 1/21/2022 | | | | | 0.024 | | | | |
| 1/25/2022 | | 0.021 | | 0.026 | | | | | |
| 1/26/2022 | | | | | | | 0.016 | 0.021 | 0.02 |

Time Series

Constituent: Barium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1/27/2022 | | | | | | 0.018 | | | |
| 1/28/2022 | | | | | | | | | |
| 9/7/2022 | | | | | | | | | |
| 9/8/2022 | | | | | | | | | |
| 9/12/2022 | | | | | | | 0.017 | 0.015 | |
| 9/13/2022 | | | 0.089 | | 0.025 | | | | 0.02 |
| 9/14/2022 | 0.032 | | | | | | | | |
| 9/16/2022 | | 0.02 | | 0.02 | | 0.016 | | | |
| 1/31/2023 | | | | | | | 0.015 | 0.015 | |
| 2/1/2023 | | | | | | | | | 0.021 |
| 2/2/2023 | 0.056 | | | | | | | | |
| 2/3/2023 | | | | | 0.024 | | | | |
| 2/6/2023 | | | 0.11 | | | | | | |
| 2/7/2023 | | 0.023 | | 0.023 | | 0.017 | | | |
| 9/6/2023 | | | | | | | 0.013 | 0.017 | 0.02 |
| 9/7/2023 | 0.025 | | | | | | | | |
| 9/11/2023 | | 0.028 | | 0.024 | | | | | |
| 9/12/2023 | | | 0.12 | | 0.028 | 0.017 | | | |

Time Series

Constituent: Barium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|------------|-------|--------------|---------------|
| 3/28/2017 | | 0.134 | 0.0166 |
| 5/11/2017 | | 0.126 | |
| 5/15/2017 | | | 0.0181 |
| 6/15/2017 | | 0.14 | 0.0277 |
| 7/11/2017 | | | 0.0306 |
| 7/12/2017 | | 0.173 | |
| 8/8/2017 | | | 0.0277 |
| 10/24/2017 | | 0.109 | 0.0333 |
| 2/27/2018 | | | 0.0341 |
| 3/8/2018 | | 0.19 | |
| 7/12/2018 | | 0.18 | |
| 11/6/2018 | | | 0.037 |
| 11/7/2018 | | 0.15 | |
| 1/28/2019 | | | |
| 1/30/2019 | | | |
| 8/27/2019 | | | 0.037 |
| 8/28/2019 | | 0.087 | |
| 9/11/2019 | | | |
| 9/12/2019 | | | |
| 9/18/2019 | | | |
| 9/23/2019 | | | |
| 10/15/2019 | | | 0.034 |
| 10/16/2019 | | 0.077 | |
| 10/21/2019 | | | |
| 10/22/2019 | | | |
| 10/24/2019 | | | |
| 3/2/2020 | | | 0.035 |
| 3/9/2020 | | 0.099 | |
| 8/11/2020 | | | 0.041 |
| 8/13/2020 | | 0.046 | |
| 8/14/2020 | | | |
| 8/17/2020 | | | |
| 8/19/2020 | | | |
| 9/22/2020 | | 0.07 | 0.038 |
| 9/24/2020 | | | |
| 9/25/2020 | | | |
| 9/28/2020 | | | |
| 3/1/2021 | | | 0.042 |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/9/2021 | | | |
| 3/12/2021 | | 0.076 | |
| 9/9/2021 | | 0.099 | 0.038 |
| 9/13/2021 | | | |
| 9/14/2021 | | | |
| 9/15/2021 | 0.082 | | |
| 9/16/2021 | | | |
| 1/18/2022 | | | 0.043 |
| 1/20/2022 | | | |
| 1/21/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | 0.035 | | |

Time Series

Constituent: Barium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|-----------|-------|--------------|---------------|
| 1/27/2022 | | | |
| 1/28/2022 | | 0.068 | |
| 9/7/2022 | | | 0.039 |
| 9/8/2022 | | 0.077 | |
| 9/12/2022 | | | |
| 9/13/2022 | 0.092 | | |
| 9/14/2022 | | | |
| 9/16/2022 | | | |
| 1/31/2023 | 0.041 | | 0.041 |
| 2/1/2023 | | 0.089 | |
| 2/2/2023 | | | |
| 2/3/2023 | | | |
| 2/6/2023 | | | |
| 2/7/2023 | | | |
| 9/6/2023 | 0.051 | | 0.041 |
| 9/7/2023 | | 0.12 | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |

Time Series

Constituent: Barium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWA-71 (bg) | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 |
|------------|--------------|---------|---------|---------|---------|---------|---------|---------|---------|
| 8/31/2016 | | 0.0321 | 0.0545 | | | 0.0576 | | | |
| 9/1/2016 | | | | 0.0254 | | | | | 0.0214 |
| 9/2/2016 | | | | | | | | | |
| 9/6/2016 | | | | | 0.0297 | | 0.0497 | | |
| 9/7/2016 | | | | | | | | 0.0694 | |
| 12/6/2016 | | 0.029 | 0.0564 | | | 0.0608 | | | |
| 12/7/2016 | | | | 0.0241 | 0.0266 | | 0.0469 | | 0.0191 |
| 12/8/2016 | | | | | | | | 0.062 | |
| 3/28/2017 | 0.0378 | | | | | | | | |
| 3/29/2017 | | 0.0335 | 0.0565 | 0.0268 | | 0.0693 | | | 0.0209 |
| 3/30/2017 | | | | | 0.0308 | | 0.0495 | 0.0615 | |
| 5/11/2017 | | | | | | | | | |
| 5/12/2017 | 0.04 | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 6/16/2017 | 0.0369 | | | | | | | | |
| 7/11/2017 | 0.0362 | | | | | | | | |
| 7/12/2017 | | 0.0314 | 0.0572 | 0.0262 | 0.0291 | 0.0585 | 0.0517 | 0.0532 | 0.0212 |
| 10/24/2017 | 0.0313 | 0.0317 | 0.0596 | | | | | | |
| 10/25/2017 | | | | 0.0268 | | 0.0563 | 0.0474 | 0.0544 | 0.021 |
| 11/15/2017 | | | | | 0.0309 | | | | |
| 2/27/2018 | 0.0287 | 0.028 | 0.0672 | 0.0255 | | 0.0591 | | | |
| 2/28/2018 | | | | | <0.01 | | 0.0455 | 0.0527 | 0.0213 |
| 7/11/2018 | | | | 0.026 | | 0.061 | 0.05 | 0.053 | 0.023 |
| 11/6/2018 | 0.026 | 0.025 | 0.074 | | | | | | |
| 11/7/2018 | | | | 0.028 | 0.034 | 0.055 | 0.042 | 0.044 | 0.024 |
| 8/27/2019 | 0.027 | 0.021 | 0.071 | 0.024 | | 0.059 | | 0.05 | |
| 8/28/2019 | | | | | 0.033 | | 0.047 | | 0.026 |
| 8/29/2019 | | | | | | | | | |
| 9/17/2019 | | | | 0.02 | | | | | |
| 10/15/2019 | 0.024 | 0.024 | 0.064 | 0.02 | | | | | |
| 10/16/2019 | | | | | 0.034 | 0.059 | | | 0.024 |
| 10/17/2019 | | | | | | | 0.046 | | |
| 10/18/2019 | | | | | | | | 0.045 | |
| 3/2/2020 | 0.026 | | 0.071 | 0.04 | | | | | |
| 3/3/2020 | | 0.024 | | | 0.035 | 0.064 | 0.05 | | 0.028 |
| 3/4/2020 | | | | | | | | 0.044 | |
| 8/11/2020 | 0.026 | 0.024 | 0.064 | 0.028 | | 0.061 | | | 0.027 |
| 8/12/2020 | | | | | 0.032 | | | | |
| 8/13/2020 | | | | | | | 0.06 | | |
| 8/14/2020 | | | | | | | | 0.046 | |
| 9/22/2020 | 0.024 | | 0.058 | 0.036 | | 0.06 | | | 0.026 |
| 9/23/2020 | | | | | 0.03 | | 0.043 | | |
| 9/24/2020 | | 0.021 | | | | | | 0.033 | |
| 3/1/2021 | 0.028 | | | | | | | | |
| 3/2/2021 | | | 0.052 | | 0.03 | 0.064 | 0.043 | | 0.026 |
| 3/3/2021 | | | | 0.035 | | | | 0.036 | |
| 3/4/2021 | | 0.025 | | | | | | | |
| 9/8/2021 | 0.025 | | | | | | | | |
| 9/9/2021 | | | 0.054 | 0.04 | 0.027 | 0.059 | 0.041 | | 0.025 |
| 9/10/2021 | | 0.019 | | | | | | | |
| 9/13/2021 | | | | | | | | 0.031 | |
| 1/18/2022 | 0.029 | | | | | | | | |

Time Series

Constituent: Barium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|------------|--------|------------|---------|
| 8/31/2016 | | | |
| 9/1/2016 | | | |
| 9/2/2016 | | 0.0097 (J) | 0.0252 |
| 9/6/2016 | | | |
| 9/7/2016 | | | |
| 12/6/2016 | | | |
| 12/7/2016 | | 0.0087 (J) | |
| 12/8/2016 | | | 0.0262 |
| 3/28/2017 | | | |
| 3/29/2017 | | 0.0094 (J) | |
| 3/30/2017 | 0.0232 | | 0.0272 |
| 5/11/2017 | 0.0231 | | |
| 5/12/2017 | | | |
| 6/15/2017 | 0.0223 | | |
| 6/16/2017 | | | |
| 7/11/2017 | 0.0201 | | |
| 7/12/2017 | | 0.0099 (J) | 0.0276 |
| 10/24/2017 | 0.0206 | | |
| 10/25/2017 | | 0.0096 (J) | 0.0262 |
| 11/15/2017 | | | |
| 2/27/2018 | 0.0207 | | |
| 2/28/2018 | | <0.01 | 0.027 |
| 7/11/2018 | 0.022 | 0.01 | 0.027 |
| 11/6/2018 | 0.021 | | |
| 11/7/2018 | | 0.011 | 0.024 |
| 8/27/2019 | 0.023 | | |
| 8/28/2019 | | | |
| 8/29/2019 | | 0.018 | 0.027 |
| 9/17/2019 | | | |
| 10/15/2019 | | | |
| 10/16/2019 | | | |
| 10/17/2019 | 0.022 | 0.015 | 0.027 |
| 10/18/2019 | | | |
| 3/2/2020 | | | |
| 3/3/2020 | 0.022 | | 0.027 |
| 3/4/2020 | | 0.017 | |
| 8/11/2020 | 0.022 | | |
| 8/12/2020 | | | |
| 8/13/2020 | | 0.019 | |
| 8/14/2020 | | | 0.027 |
| 9/22/2020 | | 0.011 | |
| 9/23/2020 | 0.023 | | |
| 9/24/2020 | | | 0.024 |
| 3/1/2021 | | | |
| 3/2/2021 | 0.023 | 0.021 | |
| 3/3/2021 | | | 0.024 |
| 3/4/2021 | | | |
| 9/8/2021 | | | |
| 9/9/2021 | 0.022 | | 0.023 |
| 9/10/2021 | | 0.0098 | |
| 9/13/2021 | | | |
| 1/18/2022 | | | |

Time Series

Constituent: Barium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|-----------|--------|---------|---------|
| 1/20/2022 | 0.022 | | 0.024 |
| 1/21/2022 | | 0.018 | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | | | |
| 9/7/2022 | | | |
| 9/13/2022 | | | |
| 9/14/2022 | | | |
| 9/15/2022 | | 0.017 | 0.024 |
| 9/20/2022 | 0.02 | | |
| 1/31/2023 | | | |
| 2/1/2023 | | | |
| 2/2/2023 | | | |
| 2/6/2023 | 0.02 | | |
| 2/7/2023 | | 0.019 | 0.024 |
| 9/6/2023 | | | |
| 9/8/2023 | | | |
| 9/11/2023 | | 0.014 | 0.024 |
| 9/13/2023 | 0.023 | | |

Time Series

Constituent: Barium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-22 | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 | DGWC-48 | DGWC-5 | DGWC-8 | DGWC-9 |
|------------|---------|---------|--------|---------|---------|---------|------------|--------|------------|
| 8/30/2016 | | | | | | | | 0.0435 | 0.0162 |
| 8/31/2016 | | | | | | | 0.0266 (O) | | |
| 9/1/2016 | | | | | 0.0162 | 0.0157 | | | |
| 9/2/2016 | 0.0397 | | | | | | | | |
| 9/7/2016 | | | | 0.0194 | | | | | |
| 12/6/2016 | | | | | | | 0.0186 | 0.0431 | 0.0138 |
| 12/8/2016 | 0.0408 | | | 0.0189 | 0.0247 | 0.0155 | | | |
| 3/28/2017 | | | 0.0363 | | | | 0.0187 | | 0.017 |
| 3/29/2017 | 0.0417 | | | | | | | 0.044 | |
| 3/30/2017 | | 0.0184 | | | | 0.0131 | | | |
| 3/31/2017 | | | | 0.0194 | 0.0189 | | | | |
| 5/12/2017 | | 0.0202 | 0.0337 | | | | | | |
| 6/15/2017 | | 0.0188 | 0.03 | | | | | | |
| 7/11/2017 | | | 0.0301 | | | | 0.0174 (J) | 0.0389 | 0.0154 (J) |
| 7/12/2017 | | 0.0186 | | | | | | | |
| 7/13/2017 | 0.0376 | | | 0.021 | 0.0165 | 0.014 | | | |
| 10/24/2017 | | | 0.0351 | | | | | 0.0369 | 0.0148 |
| 10/25/2017 | 0.0384 | | | 0.0196 | | | 0.0175 | | |
| 10/26/2017 | | 0.0176 | | | 0.0152 | 0.0117 | | | |
| 2/27/2018 | | | 0.0364 | | | | 0.0172 | 0.0346 | 0.0148 |
| 2/28/2018 | 0.0353 | | | 0.0171 | | | | | |
| 3/1/2018 | | 0.0164 | | | 0.0164 | | | | |
| 3/2/2018 | | | | | | 0.0131 | | | |
| 7/11/2018 | | | | 0.02 | | | | | 0.017 |
| 7/12/2018 | 0.036 | 0.022 | | | 0.015 | 0.013 | | | |
| 11/6/2018 | | | 0.035 | | | | 0.016 | 0.027 | 0.015 |
| 11/7/2018 | 0.031 | | | 0.017 | 0.02 | 0.014 | | | |
| 11/8/2018 | | 0.022 | | | | | | | |
| 8/27/2019 | | | 0.036 | | | | 0.017 | | 0.016 |
| 8/28/2019 | | | | 0.018 | | | | 0.025 | |
| 8/29/2019 | 0.031 | 0.025 | | | 0.018 | 0.014 | | | |
| 10/15/2019 | | | 0.033 | | | | | | |
| 10/16/2019 | | | | | | | 0.02 | 0.027 | |
| 10/17/2019 | | | | 0.018 | 0.019 | | | | 0.015 |
| 10/18/2019 | 0.032 | 0.019 | | | | 0.014 | | | |
| 3/2/2020 | | | 0.036 | | | | 0.018 | | |
| 3/3/2020 | 0.035 | | | | | | | 0.026 | 0.016 |
| 3/4/2020 | | 0.032 | | 0.015 | 0.017 | 0.014 | | | |
| 8/11/2020 | | | | | | | | | 0.016 |
| 8/12/2020 | | | 0.036 | | 0.016 | | 0.017 | 0.034 | |
| 8/13/2020 | | 0.027 | | 0.027 | | 0.013 | | | |
| 8/14/2020 | 0.035 | | | | | | | | |
| 9/22/2020 | | | 0.03 | 0.016 | | | 0.017 | | 0.015 |
| 9/23/2020 | | | | | 0.014 | 0.013 | | 0.025 | |
| 9/24/2020 | 0.031 | 0.02 | | | | | | | |
| 3/1/2021 | | | 0.039 | | | | | | |
| 3/2/2021 | | | | | | | 0.017 | 0.029 | 0.017 |
| 3/3/2021 | 0.031 | 0.019 | | 0.015 | 0.02 | 0.014 | | | |
| 9/9/2021 | | 0.021 | | | | | | | |
| 9/10/2021 | 0.027 | | 0.032 | | 0.021 | 0.013 | 0.015 | | 0.014 |
| 9/13/2021 | | | | 0.014 | | | | 0.019 | |
| 1/20/2022 | 0.029 | 0.024 | | 0.014 | | | | | |

Time Series

Constituent: Barium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

8/30/2016
8/31/2016
9/1/2016
9/2/2016
9/7/2016
12/6/2016
12/8/2016
3/28/2017
3/29/2017
3/30/2017
3/31/2017
5/12/2017
6/15/2017
7/11/2017
7/12/2017
7/13/2017
10/24/2017
10/25/2017
10/26/2017
2/27/2018
2/28/2018
3/1/2018
3/2/2018
7/11/2018
7/12/2018
11/6/2018
11/7/2018
11/8/2018
8/27/2019
8/28/2019
8/29/2019
10/15/2019
10/16/2019
10/17/2019
10/18/2019
3/2/2020
3/3/2020
3/4/2020
8/11/2020
8/12/2020
8/13/2020
8/14/2020
9/22/2020
9/23/2020
9/24/2020
3/1/2021
3/2/2021
3/3/2021
9/9/2021
9/10/2021
9/13/2021
1/20/2022

Time Series

Constituent: Barium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

| | |
|-----------|-------|
| 1/21/2022 | |
| 1/24/2022 | |
| 1/25/2022 | |
| 1/26/2022 | |
| 9/13/2022 | |
| 9/14/2022 | |
| 9/15/2022 | |
| 9/16/2022 | |
| 9/19/2022 | |
| 9/20/2022 | |
| 2/1/2023 | |
| 2/3/2023 | |
| 2/6/2023 | |
| 2/7/2023 | |
| 9/11/2023 | |
| 9/12/2023 | |
| 9/13/2023 | |
| 9/14/2023 | 0.058 |

Time Series

Constituent: Beryllium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-100 | B-101D | B-102D | B-104D | B-106D | B-107D | B-108D | B-111D | B-120D |
|------------|-------------|-------------|------------|------------|-------------|-----------|---------|---------|---------|
| 10/6/2016 | | | | | | | | | |
| 1/30/2019 | | | | | | | | | |
| 9/11/2019 | | | | | | | | | |
| 10/21/2019 | | | | | | | | | |
| 8/13/2020 | | | | | | | | | |
| 8/17/2020 | 0.0004 (J) | | | | | | | | |
| 9/24/2020 | | | | | | | | | |
| 9/25/2020 | 0.00035 (J) | | | | | | | | |
| 9/28/2020 | | | | | | | | | |
| 12/9/2020 | | | | 0.0013 (J) | | <0.0005 | <0.0005 | <0.0005 | |
| 12/17/2020 | | | 0.0014 (J) | | 0.00012 (J) | | | | |
| 1/11/2021 | | | 0.0013 (J) | | | | | | |
| 1/12/2021 | | 6.6E-05 (J) | | 0.0015 (J) | | | | <0.0005 | |
| 3/3/2021 | | | | | | | | | |
| 3/4/2021 | | | 0.0012 | 0.0015 | 0.00013 (J) | 5E-05 (J) | <0.0005 | | |
| 3/5/2021 | | 4.7E-05 (J) | | | | | | <0.0005 | |
| 3/8/2021 | 0.00046 (J) | | | | | | | | |
| 3/12/2021 | | | | | | | | | |
| 4/15/2021 | | | | | | | | | 0.00085 |
| 9/9/2021 | | | | | | | | | |
| 9/10/2021 | | | 0.0011 | | | | | | |
| 9/13/2021 | 0.00053 | 6.7E-05 (J) | | | 0.00013 (J) | <0.0005 | | | |
| 9/14/2021 | | | | 0.0011 | | | <0.0005 | <0.0005 | 0.00087 |
| 1/20/2022 | | | | | | | | | 0.0011 |
| 1/21/2022 | 0.00053 | | | | | | | | |
| 1/24/2022 | | | | 0.0012 | | <0.0005 | <0.0005 | <0.0005 | |
| 1/25/2022 | | | | | 0.00011 (J) | | | | |
| 1/26/2022 | | 7.9E-05 (J) | | | | | | | |
| 1/27/2022 | | | 0.0011 | | | | | | |
| 6/6/2022 | | | | | | | | | |
| 9/8/2022 | 0.00058 | | | | | | | | |
| 9/13/2022 | | | | 0.0014 | | | | | |
| 9/14/2022 | | | | | | <0.0005 | | <0.0005 | |
| 9/15/2022 | | | 0.001 | | | | <0.0005 | | |
| 9/16/2022 | | 6.7E-05 (J) | | | 0.00011 (J) | | | | |
| 9/19/2022 | | | | | | | | | 0.0011 |
| 2/2/2023 | <0.0005 | | 0.00091 | | | | | | |
| 2/3/2023 | | 6.3E-05 (J) | | 0.0016 | | | | | 0.001 |
| 2/6/2023 | | | | | | <0.0005 | | | |
| 2/7/2023 | | | | | 8.4E-05 (J) | | <0.0005 | <0.0005 | |
| 9/6/2023 | 0.00054 | | | | | | | | |
| 9/7/2023 | | | | | | | | | |
| 9/8/2023 | | <0.0005 | | | | | | | |
| 9/11/2023 | | | 0.00074 | | 6.6E-05 (J) | | | | |
| 9/12/2023 | | | | | | <0.0005 | | | 0.00066 |
| 9/13/2023 | | | | 0.0016 | | | <0.0005 | <0.0005 | |

Time Series

Constituent: Beryllium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-122D | B-56 | B-62 |
|------------|-------------|------------|-------------|
| 10/6/2016 | | | 9E-05 (J) |
| 1/30/2019 | | | <0.0025 |
| 9/11/2019 | | | 0.00012 (J) |
| 10/21/2019 | | | 7.8E-05 (J) |
| 8/13/2020 | | | 0.00011 (J) |
| 8/17/2020 | | 0.0013 (J) | |
| 9/24/2020 | | | 0.00013 (J) |
| 9/25/2020 | | | |
| 9/28/2020 | | 0.0012 (J) | |
| 12/9/2020 | | | |
| 12/17/2020 | | | |
| 1/11/2021 | | | |
| 1/12/2021 | | | |
| 3/3/2021 | | 0.0011 | |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/8/2021 | | | |
| 3/12/2021 | | | <0.0025 |
| 4/15/2021 | | | |
| 9/9/2021 | | | 0.00014 (J) |
| 9/10/2021 | | | |
| 9/13/2021 | | 0.0012 | |
| 9/14/2021 | | | |
| 1/20/2022 | | | 0.00015 (J) |
| 1/21/2022 | | | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | | | |
| 1/27/2022 | | 0.0012 | |
| 6/6/2022 | 0.00024 (J) | | |
| 9/8/2022 | | | 0.00013 (J) |
| 9/13/2022 | | | |
| 9/14/2022 | | | |
| 9/15/2022 | | | |
| 9/16/2022 | | 0.0013 | |
| 9/19/2022 | | | |
| 2/2/2023 | | | 0.00012 (J) |
| 2/3/2023 | | | |
| 2/6/2023 | 0.00034 (J) | | |
| 2/7/2023 | | 0.0012 | |
| 9/6/2023 | | | |
| 9/7/2023 | 0.00049 (J) | | 0.00011 (J) |
| 9/8/2023 | | 0.0013 | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |
| 9/13/2023 | | | |

Time Series

Constituent: Beryllium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|------------|-------------|---------|-------------|------------|-------------|-------------|-------|--------|------------|
| 10/7/2016 | 0.0004 (J) | | | | | | | | |
| 11/22/2016 | | <0.0005 | | | | | | | |
| 3/28/2017 | | | | | | | | | |
| 5/11/2017 | | | | | | | | | |
| 5/15/2017 | | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 7/11/2017 | | | | | | | | | |
| 7/12/2017 | | | | | | | | | |
| 8/8/2017 | | | | | | | | | |
| 10/24/2017 | | | | | | | | | |
| 2/19/2018 | 0.00049 (J) | <0.0005 | | | | | | | |
| 2/27/2018 | | | | | | | | | |
| 3/8/2018 | | | | | | | | | |
| 7/12/2018 | | | | | | | | | |
| 11/6/2018 | | | | | | | | | |
| 11/7/2018 | | | | | | | | | |
| 1/28/2019 | <0.003 | | | | | | | | |
| 1/30/2019 | | <0.0005 | | | | | | | |
| 8/27/2019 | | | | | | | | | |
| 8/28/2019 | | | | | | | | | |
| 9/11/2019 | 0.00035 (J) | | | | | | | | |
| 9/12/2019 | | <0.0005 | | | | | | | |
| 9/18/2019 | | | 0.00011 (J) | | | | | | |
| 9/23/2019 | | | | 0.0015 (J) | | | | | |
| 10/15/2019 | | | | | | | | | |
| 10/16/2019 | | | | | | | | | |
| 10/21/2019 | | <0.0005 | | 0.0011 (J) | 0.00039 (J) | | | | |
| 10/22/2019 | 0.0003 (J) | | | | | | | | |
| 10/24/2019 | | | <0.0005 | | | | | | |
| 12/18/2019 | | | | | | | 0.022 | | |
| 12/19/2019 | | | | | | | | 0.0069 | |
| 2/17/2020 | | | | | | | | | <0.003 |
| 2/27/2020 | | | | | | | | | 0.0019 (J) |
| 3/2/2020 | | | | | | | | | |
| 3/9/2020 | | | | | | | | | |
| 8/11/2020 | | | | | | | | | |
| 8/13/2020 | | | 0.00014 (J) | | | | | | |
| 8/14/2020 | | | | | 0.0007 (J) | | | | |
| 8/17/2020 | | | | 0.0014 (J) | | 0.0014 (J) | | | |
| 8/19/2020 | | | | | | | | 0.015 | |
| 9/22/2020 | | | | | | | | | |
| 9/24/2020 | | | 5.3E-05 (J) | | | | | | |
| 9/25/2020 | | | | | 0.00028 (J) | 0.00063 (J) | | | |
| 9/28/2020 | | | | 0.0015 (J) | | | | 0.015 | |
| 3/1/2021 | | | | | | | | | |
| 3/4/2021 | | | 5.7E-05 (J) | | 0.00037 (J) | | | | |
| 3/5/2021 | | | | | | 0.005 | | | |
| 3/9/2021 | | | | | | | 0.017 | 0.017 | 0.0019 |
| 3/12/2021 | | | | | | | | | |
| 3/15/2021 | | | | | | | | | |
| 9/9/2021 | | | | | | | | | |
| 9/13/2021 | | | | | | 0.001 | | | |

Time Series

Constituent: Beryllium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|-----------|-------------|---------|-------------|--------|-------------|--------|-------|-------|--------|
| 9/14/2021 | 0.00042 (J) | <0.0005 | <0.0005 | 0.0017 | | | | | |
| 9/15/2021 | | | | | | | 0.014 | 0.015 | 0.0016 |
| 9/16/2021 | | | | | 0.00028 (J) | | | | |
| 1/18/2022 | | | | | | | | | |
| 1/20/2022 | 0.00034 (J) | | <0.0005 | | | | | | |
| 1/21/2022 | | | | | 0.00039 (J) | | | | |
| 1/25/2022 | | <0.0005 | | 0.0021 | | | | | |
| 1/26/2022 | | | | | | | 0.018 | 0.017 | 0.0017 |
| 1/27/2022 | | | | | | 0.0019 | | | |
| 1/28/2022 | | | | | | | | | |
| 9/7/2022 | | | | | | | | | |
| 9/8/2022 | | | | | | | | | |
| 9/12/2022 | | | | | | | 0.017 | 0.017 | |
| 9/13/2022 | | | 0.00013 (J) | | 0.00044 (J) | | | | 0.0017 |
| 9/14/2022 | 0.00053 | | | | | | | | |
| 9/16/2022 | | <0.0005 | | 0.002 | | 0.0013 | | | |
| 1/31/2023 | | | | | | | 0.017 | 0.016 | |
| 2/1/2023 | | | | | | | | | 0.0017 |
| 2/2/2023 | 0.00028 (J) | | | | | | | | |
| 2/3/2023 | | | | | 0.00038 (J) | | | | |
| 2/6/2023 | | | <0.0005 | | | | | | |
| 2/7/2023 | | <0.0005 | | 0.0018 | | 0.0016 | | | |
| 9/6/2023 | | | | | | | 0.013 | 0.014 | 0.0016 |
| 9/7/2023 | 0.0005 (J) | | | | | | | | |
| 9/11/2023 | | <0.0005 | | 0.0017 | | | | | |
| 9/12/2023 | | | <0.0005 | | 0.00038 (J) | 0.0014 | | | |

Time Series

Constituent: Beryllium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|------------|---------|--------------|---------------|
| 10/7/2016 | | | |
| 11/22/2016 | | | |
| 3/28/2017 | | <0.0005 | <0.003 |
| 5/11/2017 | | <0.0005 | |
| 5/15/2017 | | | <0.003 |
| 6/15/2017 | | <0.0005 | <0.003 |
| 7/11/2017 | | | <0.003 |
| 7/12/2017 | | <0.0005 | |
| 8/8/2017 | | | <0.003 |
| 10/24/2017 | | <0.0005 | <0.003 |
| 2/19/2018 | | | |
| 2/27/2018 | | | <0.003 |
| 3/8/2018 | | <0.0005 | |
| 7/12/2018 | | <0.0005 | |
| 11/6/2018 | | | 0.00012 (J) |
| 11/7/2018 | | <0.0005 | |
| 1/28/2019 | | | |
| 1/30/2019 | | | |
| 8/27/2019 | | | 7.9E-05 (J) |
| 8/28/2019 | | <0.0005 | |
| 9/11/2019 | | | |
| 9/12/2019 | | | |
| 9/18/2019 | | | |
| 9/23/2019 | | | |
| 10/15/2019 | | | <0.003 |
| 10/16/2019 | | <0.0005 | |
| 10/21/2019 | | | |
| 10/22/2019 | | | |
| 10/24/2019 | | | |
| 12/18/2019 | | | |
| 12/19/2019 | | | |
| 2/17/2020 | <0.0005 | | |
| 2/27/2020 | <0.0005 | | |
| 3/2/2020 | | | 9.6E-05 (J) |
| 3/9/2020 | | <0.0005 | |
| 8/11/2020 | | | 0.00013 (J) |
| 8/13/2020 | | <0.0005 | |
| 8/14/2020 | | | |
| 8/17/2020 | | | |
| 8/19/2020 | | | |
| 9/22/2020 | | <0.0005 | 6.8E-05 (J) |
| 9/24/2020 | | | |
| 9/25/2020 | | | |
| 9/28/2020 | | | |
| 3/1/2021 | | | 0.00012 (J) |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/9/2021 | | | |
| 3/12/2021 | | <0.0005 | |
| 3/15/2021 | <0.0005 | | |
| 9/9/2021 | | <0.0005 | 8.9E-05 (J) |
| 9/13/2021 | | | |

Time Series

Constituent: Beryllium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|-----------|-------------|--------------|---------------|
| 9/14/2021 | | | |
| 9/15/2021 | 0.00087 | | |
| 9/16/2021 | | | |
| 1/18/2022 | | | 9.2E-05 (J) |
| 1/20/2022 | | | |
| 1/21/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | 6.8E-05 (J) | | |
| 1/27/2022 | | | |
| 1/28/2022 | | <0.0005 | |
| 9/7/2022 | | | 8.4E-05 (J) |
| 9/8/2022 | | <0.0005 | |
| 9/12/2022 | | | |
| 9/13/2022 | 6.2E-05 (J) | | |
| 9/14/2022 | | | |
| 9/16/2022 | | | |
| 1/31/2023 | <0.0005 | | 9.4E-05 (J) |
| 2/1/2023 | | 0.00016 (J) | |
| 2/2/2023 | | | |
| 2/3/2023 | | | |
| 2/6/2023 | | | |
| 2/7/2023 | | | |
| 9/6/2023 | <0.0005 | | 0.00012 (J) |
| 9/7/2023 | | <0.0005 | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |

Time Series

Constituent: Beryllium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWA-71 (bg) | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 |
|------------|--------------|---------|-------------|-------------|-------------|---------|-------------|-------------|------------|
| 8/31/2016 | | 0.0046 | <0.003 | | | <0.0005 | | | |
| 9/1/2016 | | | | 0.0002 (J) | | | | | 0.0019 (J) |
| 9/2/2016 | | | | | | | | | |
| 9/6/2016 | | | | | <0.003 | | <0.0005 | | |
| 9/7/2016 | | | | | | | | 0.0006 (J) | |
| 12/6/2016 | | 0.0048 | <0.003 | | | <0.0005 | | | |
| 12/7/2016 | | | | 0.0002 (J) | <0.003 | | <0.0005 | | 0.0021 (J) |
| 12/8/2016 | | | | | | | | 0.0005 (J) | |
| 3/28/2017 | 9E-05 (J) | | | | | | | | |
| 3/29/2017 | | 0.0048 | <0.003 | 0.0002 (J) | | <0.0005 | | | 0.0017 (J) |
| 3/30/2017 | | | | | 7E-05 (J) | | <0.0005 | 0.0006 (J) | |
| 5/11/2017 | | | | | | | | | |
| 5/12/2017 | <0.003 | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 6/16/2017 | 0.0001 (J) | | | | | | | | |
| 7/11/2017 | <0.003 | | | | | | | | |
| 7/12/2017 | | 0.0046 | <0.003 | 0.0002 (J) | <0.003 | <0.0005 | <0.0005 | 0.0005 (J) | 0.0018 (J) |
| 10/24/2017 | <0.003 | 0.0048 | <0.003 | | | | | | |
| 10/25/2017 | | | | 0.0002 (J) | | <0.0005 | <0.0005 | 0.0005 (J) | 0.0019 (J) |
| 11/15/2017 | | | | | <0.003 | | | | |
| 2/27/2018 | <0.003 | 0.0106 | <0.003 | <0.0005 | | <0.0005 | | | |
| 2/28/2018 | | | | | <0.003 | | <0.0005 | <0.003 | <0.003 |
| 7/10/2018 | 0.0009 (J) | | | | | | | | |
| 7/11/2018 | | | | 0.0002 (J) | | <0.0005 | <0.0005 | 0.00058 (J) | 0.002 (J) |
| 11/6/2018 | 0.00013 (J) | 0.012 | <0.003 (J) | | | | | | |
| 11/7/2018 | | | | <0.003 (J) | <0.003 (J) | <0.0005 | <0.003 (J) | <0.003 | <0.003 (J) |
| 8/27/2019 | <0.003 | 0.0092 | 0.00014 (J) | 0.00028 (J) | | <0.0005 | | 0.00066 (J) | |
| 8/28/2019 | | | | | <0.003 | | <0.0005 | | 0.0018 (J) |
| 8/29/2019 | | | | | | | | | |
| 9/17/2019 | | | | 0.00049 (J) | | | | | |
| 10/15/2019 | 8.8E-05 (J) | 0.01 | 0.00012 (J) | 0.00016 (J) | | | | | |
| 10/16/2019 | | | | | <0.003 | <0.0005 | | | 0.0017 (J) |
| 10/17/2019 | | | | | | | <0.0005 | | |
| 10/18/2019 | | | | | | | | 0.00071 (J) | |
| 3/2/2020 | 0.0001 (J) | | 0.00016 (J) | 7.4E-05 (J) | | | | | |
| 3/3/2020 | | 0.0085 | | | <0.003 | <0.0005 | <0.0005 | | 0.0021 (J) |
| 3/4/2020 | | | | | | | | 0.00062 (J) | |
| 8/11/2020 | 0.00011 (J) | 0.0066 | 0.00011 (J) | 0.00024 (J) | | <0.0005 | | | 0.002 (J) |
| 8/12/2020 | | | | | 7.8E-05 (J) | | | | |
| 8/13/2020 | | | | | | | 0.00022 (J) | | |
| 8/14/2020 | | | | | | | | 0.00064 (J) | |
| 9/22/2020 | 6.9E-05 (J) | | 0.00015 (J) | 0.00017 (J) | | <0.0005 | | | 0.002 (J) |
| 9/23/2020 | | | | | 6.8E-05 (J) | | 5.8E-05 (J) | | |
| 9/24/2020 | | 0.0077 | | | | | | 0.0006 (J) | |
| 3/1/2021 | 0.00011 (J) | | | | | | | | |
| 3/2/2021 | | | 0.00014 (J) | | 7.3E-05 (J) | <0.0005 | <0.0005 | | 0.0019 |
| 3/3/2021 | | | | 0.00011 (J) | | | | 0.00056 | |
| 3/4/2021 | | 0.0086 | | | | | | | |
| 9/8/2021 | 9.1E-05 (J) | | | | | | | | |
| 9/9/2021 | | | 0.00013 (J) | 8.4E-05 (J) | 7E-05 (J) | <0.0005 | <0.0005 | | 0.0022 |
| 9/10/2021 | | 0.0074 | | | | | | | |
| 9/13/2021 | | | | | | | | 0.00052 | |

Time Series

Constituent: Beryllium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWA-71 (bg) | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 |
|-----------|--------------|---------|-------------|-------------|-------------|---------|---------|---------|---------|
| 1/18/2022 | 0.00012 (J) | | | | | | | | |
| 1/20/2022 | | | | | | | | | |
| 1/21/2022 | | | | | | | | | |
| 1/24/2022 | | | | | | | <0.0005 | 0.00059 | |
| 1/25/2022 | | | 0.00019 (J) | <0.0005 | 9.1E-05 (J) | <0.0005 | | | 0.0019 |
| 1/26/2022 | | 0.0091 | | | | | | | |
| 9/7/2022 | 7.5E-05 (J) | | | | | | | | |
| 9/13/2022 | | | | | | <0.0005 | <0.0005 | | |
| 9/14/2022 | | | | | | | | 0.00058 | 0.0018 |
| 9/15/2022 | | 0.0063 | 0.00018 (J) | 0.00019 (J) | 8E-05 (J) | | | | |
| 9/20/2022 | | | | | | | | | |
| 1/31/2023 | 0.00011 (J) | | | | | | | | |
| 2/1/2023 | | | | | 6.7E-05 (J) | <0.0005 | | | |
| 2/2/2023 | | 0.0066 | | | | | <0.0005 | | |
| 2/6/2023 | | | 0.00019 (J) | 8.2E-05 (J) | | | | 0.00051 | 0.0017 |
| 2/7/2023 | | | | | | | | | |
| 9/6/2023 | 0.00011 (J) | | | | | | | | |
| 9/8/2023 | | | 0.0002 (J) | | 8.7E-05 (J) | <0.0005 | <0.0005 | | 0.0015 |
| 9/11/2023 | | 0.0065 | | 7.7E-05 (J) | | | | | |
| 9/13/2023 | | | | | | | | 0.00057 | |

Time Series

Constituent: Beryllium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|------------|---------|------------|-------------|
| 8/31/2016 | | | |
| 9/1/2016 | | | |
| 9/2/2016 | | 0.0026 (J) | 0.0001 (J) |
| 9/6/2016 | | | |
| 9/7/2016 | | | |
| 12/6/2016 | | | |
| 12/7/2016 | | 0.0035 | |
| 12/8/2016 | | | 0.0001 (J) |
| 3/28/2017 | | | |
| 3/29/2017 | | 0.0026 (J) | |
| 3/30/2017 | <0.0005 | | 0.0002 (J) |
| 5/11/2017 | <0.0005 | | |
| 5/12/2017 | | | |
| 6/15/2017 | <0.0005 | | |
| 6/16/2017 | | | |
| 7/11/2017 | <0.0005 | | |
| 7/12/2017 | | 0.0025 (J) | 0.0001 (J) |
| 10/24/2017 | <0.0005 | | |
| 10/25/2017 | | 0.0027 (J) | 0.0002 (J) |
| 11/15/2017 | | | |
| 2/27/2018 | <0.0005 | | |
| 2/28/2018 | | <0.003 | <0.003 |
| 7/10/2018 | | | |
| 7/11/2018 | <0.0005 | 0.0026 (J) | 0.00016 (J) |
| 11/6/2018 | <0.0005 | | |
| 11/7/2018 | | <0.003 (J) | <0.003 (J) |
| 8/27/2019 | <0.0005 | | |
| 8/28/2019 | | | |
| 8/29/2019 | | 0.005 | 0.00018 (J) |
| 9/17/2019 | | | |
| 10/15/2019 | | | |
| 10/16/2019 | | | |
| 10/17/2019 | <0.0005 | 0.0041 | 0.00015 (J) |
| 10/18/2019 | | | |
| 3/2/2020 | | | |
| 3/3/2020 | <0.0005 | | 0.00019 (J) |
| 3/4/2020 | | 0.0089 | |
| 8/11/2020 | <0.0005 | | |
| 8/12/2020 | | | |
| 8/13/2020 | | 0.0063 | |
| 8/14/2020 | | | 0.0002 (J) |
| 9/22/2020 | | 0.0027 (J) | |
| 9/23/2020 | <0.0005 | | |
| 9/24/2020 | | | 0.00018 (J) |
| 3/1/2021 | | | |
| 3/2/2021 | <0.0005 | 0.0057 | |
| 3/3/2021 | | | 0.00017 (J) |
| 3/4/2021 | | | |
| 9/8/2021 | | | |
| 9/9/2021 | <0.0005 | | 0.00018 (J) |
| 9/10/2021 | | 0.0024 | |
| 9/13/2021 | | | |

Time Series

Constituent: Beryllium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|-----------|---------|---------|-------------|
| 1/18/2022 | | | |
| 1/20/2022 | <0.0005 | | 0.00019 (J) |
| 1/21/2022 | | 0.007 | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | | | |
| 9/7/2022 | | | |
| 9/13/2022 | | | |
| 9/14/2022 | | | |
| 9/15/2022 | | 0.0056 | 0.00018 (J) |
| 9/20/2022 | <0.0005 | | |
| 1/31/2023 | | | |
| 2/1/2023 | | | |
| 2/2/2023 | | | |
| 2/6/2023 | <0.0005 | | |
| 2/7/2023 | | 0.0073 | 0.00016 (J) |
| 9/6/2023 | | | |
| 9/8/2023 | | | |
| 9/11/2023 | | 0.0067 | 0.00016 (J) |
| 9/13/2023 | <0.0005 | | |

Time Series

Constituent: Beryllium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-22 | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 | DGWC-48 | DGWC-5 | DGWC-8 | DGWC-9 |
|------------|-------------|-------------|-------------|------------|---------|---------|--------|------------|--------|
| 8/30/2016 | | | | | | | | 0.0018 (J) | 0.0045 |
| 8/31/2016 | | | | | | | 0.0054 | | |
| 9/1/2016 | | | | | 0.0165 | 0.008 | | | |
| 9/2/2016 | 0.0002 (J) | | | | | | | | |
| 9/7/2016 | | | | 0.0021 (J) | | | | | |
| 12/6/2016 | | | | | | | 0.0064 | 0.0034 | 0.005 |
| 12/8/2016 | 0.0001 (J) | | | 0.0023 (J) | 0.0116 | 0.0086 | | | |
| 3/28/2017 | | | 0.0002 (J) | | | | 0.0049 | | 0.0052 |
| 3/29/2017 | 0.0002 (J) | | | | | | | 0.0031 | |
| 3/30/2017 | | 0.0004 (J) | | | | 0.0106 | | | |
| 3/31/2017 | | | | 0.0025 (J) | 0.0112 | | | | |
| 5/12/2017 | | 0.0004 (J) | 0.0002 (J) | | | | | | |
| 6/15/2017 | | 0.0004 (J) | 0.0001 (J) | | | | | | |
| 7/11/2017 | | | 0.0001 (J) | | | | 0.005 | 0.0022 (J) | 0.0048 |
| 7/12/2017 | | 0.0004 (J) | | | | | | | |
| 7/13/2017 | 0.0002 (J) | | | 0.0025 (J) | 0.0098 | 0.0106 | | | |
| 10/24/2017 | | | 0.0002 (J) | | | | | 0.0042 | 0.0051 |
| 10/25/2017 | 0.0002 (J) | | | 0.0026 (J) | | | 0.0069 | | |
| 10/26/2017 | | 0.0004 (J) | | | 0.0119 | 0.0078 | | | |
| 2/27/2018 | | | <0.003 | | | | 0.0086 | 0.0047 | 0.0057 |
| 2/28/2018 | <0.003 | | | <0.003 | | | | | |
| 3/1/2018 | | <0.003 | | | 0.0146 | | | | |
| 3/2/2018 | | | | | | 0.0096 | | | |
| 7/11/2018 | | | | 0.0029 (J) | | | | | 0.0058 |
| 7/12/2018 | 0.00018 (J) | 0.00035 (J) | | | 0.013 | 0.0086 | | | |
| 11/6/2018 | | | <0.003 (J) | | | | 0.01 | <0.003 (J) | 0.006 |
| 11/7/2018 | <0.003 (J) | | | 0.0031 | 0.014 | 0.0078 | | | |
| 11/8/2018 | | <0.003 (J) | | | | | | | |
| 8/27/2019 | | | 0.00024 (J) | | | | 0.01 | | 0.007 |
| 8/28/2019 | | | | 0.0023 (J) | | | | 0.0021 (J) | |
| 8/29/2019 | 0.00015 (J) | 0.00041 (J) | | | 0.011 | 0.0081 | | | |
| 10/15/2019 | | | 0.00022 (J) | | | | | | |
| 10/16/2019 | | | | | | | 0.0072 | 0.0019 (J) | |
| 10/17/2019 | | | | 0.0027 (J) | 0.0093 | | | | 0.0063 |
| 10/18/2019 | 0.00014 (J) | 0.00038 (J) | | | | 0.0099 | | | |
| 3/2/2020 | | | 0.00025 (J) | | | | 0.0098 | | |
| 3/3/2020 | 0.00017 (J) | | | | | | | 0.0018 (J) | 0.0048 |
| 3/4/2020 | | 0.00077 (J) | | 0.0029 (J) | 0.01 | 0.008 | | | |
| 8/11/2020 | | | | | | | | | 0.0062 |
| 8/12/2020 | | | 0.00024 (J) | | 0.0068 | | 0.0081 | 0.0018 (J) | |
| 8/13/2020 | | 0.00041 (J) | | 0.0026 (J) | | 0.0071 | | | |
| 8/14/2020 | 0.00016 (J) | | | | | | | | |
| 9/22/2020 | | | 0.00019 (J) | 0.0013 (J) | | | 0.0081 | | 0.0049 |
| 9/23/2020 | | | | | 0.0069 | 0.0072 | | 0.0015 (J) | |
| 9/24/2020 | 0.00017 (J) | 0.00045 (J) | | | | | | | |
| 3/1/2021 | | | 0.00027 (J) | | | | | | |
| 3/2/2021 | | | | | | | 0.0063 | 0.0012 | 0.005 |
| 3/3/2021 | 0.00013 (J) | 0.0005 | | 0.0023 | 0.0081 | 0.0068 | | | |
| 9/9/2021 | | 0.0005 (J) | | | | | | | |
| 9/10/2021 | 0.00014 (J) | | 0.00028 (J) | | 0.009 | 0.007 | 0.0075 | | 0.0049 |
| 9/13/2021 | | | | 0.0024 | | | | 0.0015 | |
| 1/20/2022 | 0.00014 (J) | 0.00046 (J) | | 0.002 | | | | | |

Time Series

Constituent: Beryllium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

8/30/2016
8/31/2016
9/1/2016
9/2/2016
9/7/2016
12/6/2016
12/8/2016
3/28/2017
3/29/2017
3/30/2017
3/31/2017
5/12/2017
6/15/2017
7/11/2017
7/12/2017
7/13/2017
10/24/2017
10/25/2017
10/26/2017
2/27/2018
2/28/2018
3/1/2018
3/2/2018
7/11/2018
7/12/2018
11/6/2018
11/7/2018
11/8/2018
8/27/2019
8/28/2019
8/29/2019
10/15/2019
10/16/2019
10/17/2019
10/18/2019
3/2/2020
3/3/2020
3/4/2020
8/11/2020
8/12/2020
8/13/2020
8/14/2020
9/22/2020
9/23/2020
9/24/2020
3/1/2021
3/2/2021
3/3/2021
9/9/2021
9/10/2021
9/13/2021
1/20/2022

Time Series

Constituent: Beryllium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

| | |
|-----------|-------------|
| 1/21/2022 | |
| 1/24/2022 | |
| 1/25/2022 | |
| 1/26/2022 | |
| 9/13/2022 | |
| 9/14/2022 | |
| 9/15/2022 | |
| 9/16/2022 | |
| 9/19/2022 | |
| 9/20/2022 | |
| 2/1/2023 | |
| 2/3/2023 | |
| 2/6/2023 | |
| 2/7/2023 | |
| 9/11/2023 | |
| 9/12/2023 | |
| 9/13/2023 | |
| 9/14/2023 | 0.00013 (J) |

Time Series

Constituent: Boron (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-100 | B-101D | B-102D | B-104D | B-106D | B-107D | B-108D | B-111D | B-120D |
|------------|-------|--------|--------|----------|--------|--------|--------|----------|--------|
| 10/6/2016 | | | | | | | | | |
| 1/30/2019 | | | | | | | | | |
| 9/11/2019 | | | | | | | | | |
| 10/21/2019 | | | | | | | | | |
| 9/24/2020 | | | | | | | | | |
| 9/25/2020 | 0.27 | | | | | | | | |
| 9/28/2020 | | | | | | | | | |
| 12/9/2020 | | | | 0.26 (J) | | 11.7 | 6.7 | 0.34 (J) | |
| 12/17/2020 | | | 2.4 | | 1.4 | | | | |
| 1/11/2021 | | | 2.7 | | | | | | |
| 1/12/2021 | | 1.7 | | 0.28 | | | | 0.26 | |
| 3/3/2021 | | | | | | | | | |
| 3/4/2021 | | | 2.5 | 0.26 | 1.4 | 12 | 6.4 | | |
| 3/5/2021 | | 1.9 | | | | | | 0.44 | |
| 3/8/2021 | 0.24 | | | | | | | | |
| 3/12/2021 | | | | | | | | | |
| 4/15/2021 | | | | | | | | | 1.9 |
| 9/9/2021 | | | | | | | | | |
| 9/10/2021 | | | 2.5 | | | | | | |
| 9/13/2021 | 0.24 | 1.6 | | | 1.3 | 10.7 | | | |
| 9/14/2021 | | | | 0.23 | | | 6.8 | 0.32 | 1.7 |
| 1/20/2022 | | | | | | | | | 1.9 |
| 1/21/2022 | 0.24 | | | | | | | | |
| 1/24/2022 | | | | 0.24 | | 12.3 | 6.8 | 0.49 | |
| 1/25/2022 | | | | | 1.2 | | | | |
| 1/26/2022 | | 1.4 | | | | | | | |
| 1/27/2022 | | | 2.7 | | | | | | |
| 6/6/2022 | | | | | | | | | |
| 9/8/2022 | 0.24 | | | | | | | | |
| 9/13/2022 | | | | 0.26 | | | | | |
| 9/14/2022 | | | | | | 11.2 | | 0.24 | |
| 9/15/2022 | | | 2.3 | | | | 7.1 | | |
| 9/16/2022 | | 1.4 | | | 1 | | | | |
| 9/19/2022 | | | | | | | | | 1.7 |
| 2/2/2023 | 1.6 | | 2.2 | | | | | | |
| 2/3/2023 | | 1.1 | | 0.26 | | | | | 1.5 |
| 2/6/2023 | | | | | | 10 | | | |
| 2/7/2023 | | | | | 0.95 | | 6.4 | 0.16 | |
| 9/6/2023 | 0.24 | | | | | | | | |
| 9/7/2023 | | | | | | | | | |
| 9/8/2023 | | 1.3 | | | | | | | |
| 9/11/2023 | | | 1.8 | | 0.81 | | | | |
| 9/12/2023 | | | | | | 11.3 | | | 1 |
| 9/13/2023 | | | | 0.26 | | | 6.4 | 0.23 | |

Time Series

Constituent: Boron (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-122D | B-56 | B-62 |
|------------|--------|------|-----------|
| 10/6/2016 | | | 0.053 (J) |
| 1/30/2019 | | | 0.14 |
| 9/11/2019 | | | 0.068 |
| 10/21/2019 | | | 0.058 |
| 9/24/2020 | | | 0.074 (J) |
| 9/25/2020 | | | |
| 9/28/2020 | | 1.4 | |
| 12/9/2020 | | | |
| 12/17/2020 | | | |
| 1/11/2021 | | | |
| 1/12/2021 | | | |
| 3/3/2021 | | 1.4 | |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/8/2021 | | | |
| 3/12/2021 | | | 0.092 (J) |
| 4/15/2021 | | | |
| 9/9/2021 | | | 0.068 |
| 9/10/2021 | | | |
| 9/13/2021 | | 1.5 | |
| 9/14/2021 | | | |
| 1/20/2022 | | | 0.077 |
| 1/21/2022 | | | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | | | |
| 1/27/2022 | | 1.6 | |
| 6/6/2022 | 0.2 | | |
| 9/8/2022 | | | 0.064 |
| 9/13/2022 | | | |
| 9/14/2022 | | | |
| 9/15/2022 | | | |
| 9/16/2022 | | 1.6 | |
| 9/19/2022 | | | |
| 2/2/2023 | | | 0.064 |
| 2/3/2023 | | | |
| 2/6/2023 | 0.26 | | |
| 2/7/2023 | | 1.5 | |
| 9/6/2023 | | | |
| 9/7/2023 | 0.26 | | 0.071 |
| 9/8/2023 | | 1.5 | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |
| 9/13/2023 | | | |

Time Series

Constituent: Boron (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|------------|------|------|------|------|------|------|------|------|------|
| 11/22/2016 | | 1.1 | | | | | | | |
| 3/28/2017 | | | | | | | | | |
| 5/11/2017 | | | | | | | | | |
| 5/15/2017 | | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 7/11/2017 | | | | | | | | | |
| 7/12/2017 | | | | | | | | | |
| 8/8/2017 | | | | | | | | | |
| 10/24/2017 | | | | | | | | | |
| 2/27/2018 | | | | | | | | | |
| 3/8/2018 | | | | | | | | | |
| 7/12/2018 | | | | | | | | | |
| 11/6/2018 | | | | | | | | | |
| 11/7/2018 | | | | | | | | | |
| 1/28/2019 | 0.44 | | | | | | | | |
| 1/30/2019 | | 2 | | | | | | | |
| 3/12/2019 | | | | | | | | | |
| 3/13/2019 | | | | | | | | | |
| 9/11/2019 | 0.26 | | | | | | | | |
| 9/12/2019 | | 2 | | | | | | | |
| 9/18/2019 | | | 0.3 | | | | | | |
| 9/23/2019 | | | | 1.4 | | | | | |
| 10/15/2019 | | | | | | | | | |
| 10/16/2019 | | | | | | | | | |
| 10/21/2019 | | 1.9 | | 1.2 | 0.28 | | | | |
| 10/22/2019 | 0.22 | | | | | | | | |
| 10/24/2019 | | | 0.31 | | | | | | |
| 11/22/2019 | | | | | | 3.6 | | | |
| 12/18/2019 | | | | | | | 3.9 | | |
| 12/19/2019 | | | | | | | | 3.3 | |
| 3/2/2020 | | | | | | | | | |
| 3/9/2020 | | | | | | | | | |
| 9/22/2020 | | | | | | | | | |
| 9/24/2020 | | | 0.27 | | | | | | |
| 9/25/2020 | | | | | 0.35 | 1.8 | | | |
| 9/28/2020 | | | | 1.1 | | | | 3 | |
| 3/1/2021 | | | | | | | | | |
| 3/4/2021 | | | 0.35 | | 0.33 | | | | |
| 3/5/2021 | | | | | | 3.5 | | | |
| 3/9/2021 | | | | | | | 2.9 | 3.4 | |
| 3/12/2021 | | | | | | | | | |
| 9/9/2021 | | | | | | | | | |
| 9/13/2021 | | | | | | 2 | | | |
| 9/14/2021 | 0.35 | 2.1 | 0.29 | 0.78 | | | | | |
| 9/15/2021 | | | | | | | 2.3 | 3.1 | 3.3 |
| 9/16/2021 | | | | | 0.3 | | | | |
| 1/18/2022 | | | | | | | | | |
| 1/20/2022 | 0.21 | | 0.28 | | | | | | |
| 1/21/2022 | | | | | 0.32 | | | | |
| 1/25/2022 | | 2.3 | | 0.7 | | | | | |
| 1/26/2022 | | | | | | | 2.7 | 3.6 | 3.7 |
| 1/27/2022 | | | | | | 2.7 | | | |

Time Series

Constituent: Boron (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|-----------|------|------|------|------|------|------|------|------|------|
| 1/28/2022 | | | | | | | | | |
| 9/7/2022 | | | | | | | | | |
| 9/8/2022 | | | | | | | | | |
| 9/12/2022 | | | | | | | 2.9 | 3.6 | |
| 9/13/2022 | | | 0.33 | | 0.33 | | | | 3.7 |
| 9/14/2022 | 0.38 | | | | | | | | |
| 9/16/2022 | | 2.2 | | 0.61 | | 2.1 | | | |
| 1/31/2023 | | | | | | | 2.6 | 3.3 | |
| 2/1/2023 | | | | | | | | | 3.7 |
| 2/2/2023 | 0.47 | | | | | | | | |
| 2/3/2023 | | | | | 0.31 | | | | |
| 2/6/2023 | | | 0.31 | | | | | | |
| 2/7/2023 | | 2.1 | | 0.53 | | 2.3 | | | |
| 9/6/2023 | | | | | | | 3.2 | 3 | 3.7 |
| 9/7/2023 | 0.34 | | | | | | | | |
| 9/11/2023 | | 2.1 | | 0.38 | | | | | |
| 9/12/2023 | | | 0.26 | | 0.29 | 1.9 | | | |

Time Series

Constituent: Boron (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|------------|------|--------------|---------------|
| 11/22/2016 | | | |
| 3/28/2017 | | 0.0612 | 0.0067 (J) |
| 5/11/2017 | | 0.0805 | |
| 5/15/2017 | | | 0.0073 (J) |
| 6/15/2017 | | 0.0725 | <0.04 |
| 7/11/2017 | | | <0.04 |
| 7/12/2017 | | 0.0735 | |
| 8/8/2017 | | | <0.04 |
| 10/24/2017 | | 0.077 | 0.0082 (J) |
| 2/27/2018 | | | 0.0062 (J) |
| 3/8/2018 | | 0.13 (J) | |
| 7/12/2018 | | 0.076 | |
| 11/6/2018 | | | <0.04 (J) |
| 11/7/2018 | | 0.073 | |
| 1/28/2019 | | | |
| 1/30/2019 | | | |
| 3/12/2019 | | | 0.0073 (J) |
| 3/13/2019 | | 0.08 | |
| 9/11/2019 | | | |
| 9/12/2019 | | | |
| 9/18/2019 | | | |
| 9/23/2019 | | | |
| 10/15/2019 | | | <0.04 |
| 10/16/2019 | | 0.059 | |
| 10/21/2019 | | | |
| 10/22/2019 | | | |
| 10/24/2019 | | | |
| 11/22/2019 | | | |
| 12/18/2019 | | | |
| 12/19/2019 | | | |
| 3/2/2020 | | | 0.0055 (J) |
| 3/9/2020 | | 0.08 (J) | |
| 9/22/2020 | | 0.056 (J) | <0.04 |
| 9/24/2020 | | | |
| 9/25/2020 | | | |
| 9/28/2020 | | | |
| 3/1/2021 | | | <0.04 |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/9/2021 | | | |
| 3/12/2021 | | 0.064 | |
| 9/9/2021 | | 0.065 | <0.04 |
| 9/13/2021 | | | |
| 9/14/2021 | | | |
| 9/15/2021 | 2.6 | | |
| 9/16/2021 | | | |
| 1/18/2022 | | | 0.024 (J) |
| 1/20/2022 | | | |
| 1/21/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | 0.12 | | |
| 1/27/2022 | | | |

Time Series

Constituent: Boron (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|-----------|-------|--------------|---------------|
| 1/28/2022 | | 0.062 | |
| 9/7/2022 | | | <0.04 |
| 9/8/2022 | | 0.054 | |
| 9/12/2022 | | | |
| 9/13/2022 | 0.62 | | |
| 9/14/2022 | | | |
| 9/16/2022 | | | |
| 1/31/2023 | 0.083 | | 0.011 (J) |
| 2/1/2023 | | 0.051 | |
| 2/2/2023 | | | |
| 2/3/2023 | | | |
| 2/6/2023 | | | |
| 2/7/2023 | | | |
| 9/6/2023 | 0.3 | | 0.012 (J) |
| 9/7/2023 | | 0.052 | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |

Time Series

Constituent: Boron (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWA-71 (bg) | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 |
|------------|--------------|---------|---------|---------|---------|------------|---------|---------|---------|
| 8/31/2016 | | 3.5 | 0.914 | | | 0.0419 (J) | | | |
| 9/1/2016 | | | | 7.64 | | | | | 3.08 |
| 9/2/2016 | | | | | | | | | |
| 9/6/2016 | | | | | 1 | | 1.25 | | |
| 9/7/2016 | | | | | | | | 0.683 | |
| 12/6/2016 | | 3.3 | 1.15 | | | 0.0804 | | | |
| 12/7/2016 | | | | 8.07 | 0.9 | | 1.56 | | 3.34 |
| 12/8/2016 | | | | | | | | 0.688 | |
| 3/28/2017 | 0.0097 (J) | | | | | | | | |
| 3/29/2017 | | 4.3 | 1.07 | 8.46 | | 0.103 | | | 3.96 |
| 3/30/2017 | | | | | 0.898 | | 1.5 | 0.743 | |
| 5/11/2017 | | | | | | | | | |
| 5/12/2017 | 0.0082 (J) | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 6/16/2017 | 0.0085 (J) | | | | | | | | |
| 7/11/2017 | 0.0077 (J) | | | | | | | | |
| 7/12/2017 | | 3.38 | 1.14 | 7.55 | 0.996 | 0.044 | 1.49 | 0.62 | 2.82 |
| 10/24/2017 | 0.0083 (J) | 3.45 | 1.18 | | | | | | |
| 10/25/2017 | | | | 9.97 | | 0.0565 | 1.47 | 0.739 | 3.19 |
| 11/15/2017 | | | | | 0.795 | | | | |
| 2/27/2018 | 0.0069 (J) | 3.23 | 1.17 | 8.03 | | 0.0539 | | | |
| 2/28/2018 | | | | | 0.106 | | 1.58 | 0.627 | 2.91 |
| 7/11/2018 | | | | 10.2 | | 0.057 | 1.4 | 0.79 | 3.7 |
| 11/6/2018 | <0.04 (J) | 2.1 | 1.2 | | | | | | |
| 11/7/2018 | | | | 7.7 | 0.76 | 0.055 | 0.8 | 1.6 | 2.6 |
| 3/12/2019 | 0.0068 (J) | 0.98 | 1.2 | 4.8 | | | | | |
| 3/13/2019 | | | | | 0.62 | 0.047 | | 0.76 | 2.6 |
| 3/14/2019 | | | | | | | 1.6 | | |
| 9/17/2019 | | | | 6.9 | | | | | |
| 10/15/2019 | 0.0054 (J) | 1.6 | 1.2 | 5.9 | | | | | |
| 10/16/2019 | | | | | 0.65 | 0.052 | | | 2.2 |
| 10/17/2019 | | | | | | | 1.5 | | |
| 10/18/2019 | | | | | | | | 0.82 | |
| 3/2/2020 | 0.01 (J) | | 1.6 | 3.3 | | | | | |
| 3/3/2020 | | 1.5 | | | 0.61 | 0.15 | 1.7 | | 3.1 |
| 3/4/2020 | | | | | | | | 0.85 | |
| 9/22/2020 | <0.04 | | 1.3 | 4.2 | | 0.086 (J) | | | 2.6 |
| 9/23/2020 | | | | | 0.57 | | 1.6 | | |
| 9/24/2020 | | 0.45 | | | | | | 0.88 | |
| 3/1/2021 | 0.0054 (J) | | | | | | | | |
| 3/2/2021 | | | 1.3 | | 0.58 | 0.089 | 1.4 | | 2.3 |
| 3/3/2021 | | | | 3.6 | | | | 0.71 | |
| 3/4/2021 | | 0.65 | | | | | | | |
| 9/8/2021 | <0.04 | | | | | | | | |
| 9/9/2021 | | | 1.5 | 2 | 0.62 | 0.08 | 1.6 | | 2.7 |
| 9/10/2021 | | 0.24 | | | | | | | |
| 9/13/2021 | | | | | | | | 0.78 | |
| 1/18/2022 | 0.015 (J) | | | | | | | | |
| 1/20/2022 | | | | | | | | | |
| 1/21/2022 | | | | | | | | | |
| 1/24/2022 | | | | | | | 1.4 | 0.9 | |
| 1/25/2022 | | | 1.7 | 0.7 | 0.69 | 0.097 | | | 2.5 |

Time Series

Constituent: Boron (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWA-71 (bg) | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 |
|-----------|--------------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1/26/2022 | | 0.4 | | | | | | | |
| 9/7/2022 | <0.04 | | | | | | | | |
| 9/13/2022 | | | | | | 0.091 | 1.5 | | |
| 9/14/2022 | | | | | | | | 0.87 | 2.4 |
| 9/15/2022 | | 0.42 | 1.7 | 3.3 | 0.69 | | | | |
| 9/20/2022 | | | | | | | | | |
| 1/31/2023 | 0.0097 (J) | | | | | | | | |
| 2/1/2023 | | | | | 0.54 | 0.16 | | | |
| 2/2/2023 | | 0.34 | | | | | 1.3 | | |
| 2/6/2023 | | | 1.6 | 0.51 | | | | 0.83 | 2.2 |
| 2/7/2023 | | | | | | | | | |
| 9/6/2023 | 0.015 (J) | | | | | | | | |
| 9/8/2023 | | | 1.7 | | 0.55 | 0.11 | 1.4 | | 2.2 |
| 9/11/2023 | | 0.28 | | 0.46 | | | | | |
| 9/13/2023 | | | | | | | | 1 | |

Time Series

Constituent: Boron (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|------------|--------|---------|---------|
| 8/31/2016 | | | |
| 9/1/2016 | | | |
| 9/2/2016 | | 6.77 | 4.81 |
| 9/6/2016 | | | |
| 9/7/2016 | | | |
| 12/6/2016 | | | |
| 12/7/2016 | | 6.04 | |
| 12/8/2016 | | | 3.57 |
| 3/28/2017 | | | |
| 3/29/2017 | | 8.23 | |
| 3/30/2017 | 1.56 | | 5.68 |
| 5/11/2017 | 1.65 | | |
| 5/12/2017 | | | |
| 6/15/2017 | 1.44 | | |
| 6/16/2017 | | | |
| 7/11/2017 | 1.39 | | |
| 7/12/2017 | | 6.81 | 5.2 |
| 10/24/2017 | 1.18 | | |
| 10/25/2017 | | 8.94 | 7.92 |
| 11/15/2017 | | | |
| 2/27/2018 | 1.12 | | |
| 2/28/2018 | | 6.26 | 5.89 |
| 7/11/2018 | 0.82 | 5.7 | 8.3 |
| 11/6/2018 | 0.9 | | |
| 11/7/2018 | | 5 | 4.9 |
| 3/12/2019 | 0.72 | | |
| 3/13/2019 | | 5.6 | 6.2 |
| 3/14/2019 | | | |
| 9/17/2019 | | | |
| 10/15/2019 | | | |
| 10/16/2019 | | | |
| 10/17/2019 | 0.73 | 5 | 7 |
| 10/18/2019 | | | |
| 3/2/2020 | | | |
| 3/3/2020 | 0.68 | | 6.8 |
| 3/4/2020 | | 3.6 | |
| 9/22/2020 | | 4.9 | |
| 9/23/2020 | 0.57 | | |
| 9/24/2020 | | | 6.1 |
| 3/1/2021 | | | |
| 3/2/2021 | 0.52 | 3.4 | |
| 3/3/2021 | | | 5.3 |
| 3/4/2021 | | | |
| 9/8/2021 | | | |
| 9/9/2021 | 0.51 | | 5.8 |
| 9/10/2021 | | 4.8 | |
| 9/13/2021 | | | |
| 1/18/2022 | | | |
| 1/20/2022 | 0.5 | | 6.9 |
| 1/21/2022 | | 3.6 | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |

Time Series

Constituent: Boron (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|-----------|--------|---------|---------|
| 1/26/2022 | | | |
| 9/7/2022 | | | |
| 9/13/2022 | | | |
| 9/14/2022 | | | |
| 9/15/2022 | | 4.2 | 6.7 |
| 9/20/2022 | 0.42 | | |
| 1/31/2023 | | | |
| 2/1/2023 | | | |
| 2/2/2023 | | | |
| 2/6/2023 | 0.38 | | |
| 2/7/2023 | | 3 | 5.6 |
| 9/6/2023 | | | |
| 9/8/2023 | | | |
| 9/11/2023 | | 2.5 | 7.1 |
| 9/13/2023 | 0.38 | | |

Time Series

Constituent: Boron (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-22 | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 | DGWC-48 | DGWC-5 | DGWC-8 | DGWC-9 |
|------------|---------|---------|--------|---------|---------|---------|--------|--------|--------|
| 8/30/2016 | | | | | | | | 2.63 | 1.72 |
| 8/31/2016 | | | | | | | 7.5 | | |
| 9/1/2016 | | | | | 0.345 | 0.955 | | | |
| 9/2/2016 | 3.99 | | | | | | | | |
| 9/7/2016 | | | | 0.924 | | | | | |
| 12/6/2016 | | | | | | | 5.64 | 2.72 | 1.92 |
| 12/8/2016 | 3.1 | | | 0.957 | 0.352 | 0.919 | | | |
| 3/28/2017 | | | 4.01 | | | | 6.16 | | 2.01 |
| 3/29/2017 | 4.85 | | | | | | | 3.04 | |
| 3/30/2017 | | 4.68 | | | | 0.925 | | | |
| 3/31/2017 | | | | 0.989 | 0.312 | | | | |
| 5/12/2017 | | 4.03 | 3.58 | | | | | | |
| 6/15/2017 | | 4.11 | 3.58 | | | | | | |
| 7/11/2017 | | | 3.85 | | | | 4.61 | 2.55 | 1.78 |
| 7/12/2017 | | 3.74 | | | | | | | |
| 7/13/2017 | 3.85 | | | 1.03 | 0.28 | 0.972 | | | |
| 10/24/2017 | | | 3.82 | | | | | 2.29 | 1.72 |
| 10/25/2017 | 3.9 | | | 0.982 | | | 4 | | |
| 10/26/2017 | | 4.07 | | | 0.269 | 0.746 | | | |
| 2/27/2018 | | | 4.06 | | | | 4.29 | 2.07 | 1.68 |
| 2/28/2018 | 5.14 | | | 0.918 | | | | | |
| 3/1/2018 | | 4.37 | | | 0.296 | | | | |
| 3/2/2018 | | | | | | 0.878 | | | |
| 7/11/2018 | | | | 0.83 | | | | | 1.4 |
| 7/12/2018 | 3.6 | 4 | | | 0.26 | 0.82 | | | |
| 11/6/2018 | | | 4.1 | | | | 4.2 | 1.7 | 1.4 |
| 11/7/2018 | 3.3 | | | 0.89 | 0.3 | 0.74 | | | |
| 11/8/2018 | | 4.7 | | | | | | | |
| 3/12/2019 | | | 4.6 | | | | 4.3 | 1.5 | 1.2 |
| 3/14/2019 | 4.1 | 4.7 | | 0.89 | 0.26 | 0.72 | | | |
| 10/15/2019 | | | 5 | | | | | | |
| 10/16/2019 | | | | | | | 4.3 | 1.2 | |
| 10/17/2019 | | | | 0.94 | 0.25 | | | | 1.2 |
| 10/18/2019 | 4.2 | 4.5 | | | | 0.74 | | | |
| 3/2/2020 | | | 5.9 | | | | 5.5 | | |
| 3/3/2020 | 4.6 | | | | | | | 1.5 | 1.1 |
| 3/4/2020 | | 4.8 | | 1 | 0.24 | 0.77 | | | |
| 9/22/2020 | | | 4.3 | 0.88 | | | 4.6 | | 0.78 |
| 9/23/2020 | | | | | 0.21 | 0.65 | | 1 | |
| 9/24/2020 | 4.1 | 4.6 | | | | | | | |
| 3/1/2021 | | | 4.7 | | | | | | |
| 3/2/2021 | | | | | | | 4.3 | 0.96 | 0.77 |
| 3/3/2021 | 3.9 | 4 | | 0.87 | 0.17 | 0.57 | | | |
| 9/9/2021 | | 4.7 | | | | | | | |
| 9/10/2021 | 4.5 | | 5 | | 0.16 | 0.55 | 4.7 | | 0.54 |
| 9/13/2021 | | | | 0.95 | | | | 0.86 | |
| 1/20/2022 | 4.2 | 4.5 | | 0.83 | | | | | |
| 1/21/2022 | | | | | 0.17 | | | | |
| 1/24/2022 | | | 5.1 | | | 0.61 | 4.4 | | |
| 1/25/2022 | | | | | | | | 0.98 | |
| 1/26/2022 | | | | | | | | | 0.69 |
| 9/13/2022 | | | | 1.1 | 0.18 | 0.61 | | | |

Time Series

Constituent: Boron (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

8/30/2016
8/31/2016
9/1/2016
9/2/2016
9/7/2016
12/6/2016
12/8/2016
3/28/2017
3/29/2017
3/30/2017
3/31/2017
5/12/2017
6/15/2017
7/11/2017
7/12/2017
7/13/2017
10/24/2017
10/25/2017
10/26/2017
2/27/2018
2/28/2018
3/1/2018
3/2/2018
7/11/2018
7/12/2018
11/6/2018
11/7/2018
11/8/2018
3/12/2019
3/14/2019
10/15/2019
10/16/2019
10/17/2019
10/18/2019
3/2/2020
3/3/2020
3/4/2020
9/22/2020
9/23/2020
9/24/2020
3/1/2021
3/2/2021
3/3/2021
9/9/2021
9/10/2021
9/13/2021
1/20/2022
1/21/2022
1/24/2022
1/25/2022
1/26/2022
9/13/2022

Time Series

Constituent: Boron (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

| | |
|-----------|-----|
| 9/14/2022 | |
| 9/15/2022 | |
| 9/16/2022 | |
| 9/19/2022 | |
| 9/20/2022 | |
| 2/1/2023 | |
| 2/3/2023 | |
| 2/6/2023 | |
| 2/7/2023 | |
| 3/21/2023 | 1.1 |
| 4/10/2023 | 1 |
| 9/11/2023 | |
| 9/12/2023 | |
| 9/13/2023 | |
| 9/14/2023 | 1.1 |

Time Series

Constituent: Cadmium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-100 | B-101D | B-102D | B-104D | B-106D | B-107D | B-108D | B-111D | B-120D |
|------------|-------------|-------------|-------------|---------|-------------|---------|---------|---------|---------|
| 1/30/2019 | | | | | | | | | |
| 9/11/2019 | | | | | | | | | |
| 10/21/2019 | | | | | | | | | |
| 8/13/2020 | | | | | | | | | |
| 8/17/2020 | 0.00059 (J) | | | | | | | | |
| 9/24/2020 | | | | | | | | | |
| 9/25/2020 | 0.00027 (J) | | | | | | | | |
| 9/28/2020 | | | | | | | | | |
| 12/9/2020 | | | | <0.0005 | | <0.0005 | <0.0005 | <0.0005 | |
| 12/17/2020 | | | 0.00067 (J) | | 0.0002 (J) | | | | |
| 1/11/2021 | | | 0.0008 (J) | | | | | | |
| 1/12/2021 | | <0.0005 | | <0.0005 | | | | <0.0005 | |
| 3/3/2021 | | | | | | | | | |
| 3/4/2021 | | | 0.00081 | <0.0005 | 0.00021 (J) | <0.0005 | <0.0005 | | |
| 3/5/2021 | | <0.0005 | | | | | | <0.0005 | |
| 3/8/2021 | 0.00027 (J) | | | | | | | | |
| 3/12/2021 | | | | | | | | | |
| 4/15/2021 | | | | | | | | | 0.001 |
| 9/9/2021 | | | | | | | | | |
| 9/10/2021 | | | 0.00083 | | | | | | |
| 9/13/2021 | 0.00029 (J) | <0.0005 | | | 0.00024 (J) | <0.0005 | | | |
| 9/14/2021 | | | | <0.0005 | | | <0.0005 | <0.0005 | 0.0011 |
| 1/20/2022 | | | | | | | | | 0.00098 |
| 1/21/2022 | 0.00059 | | | | | | | | |
| 1/24/2022 | | | | <0.0005 | | <0.0005 | <0.0005 | <0.0005 | |
| 1/25/2022 | | | | | 0.00012 (J) | | | | |
| 1/26/2022 | | 0.00011 (J) | | | | | | | |
| 1/27/2022 | | | 0.00091 | | | | | | |
| 6/6/2022 | | | | | | | | | |
| 9/8/2022 | 0.00027 (J) | | | | | | | | |
| 9/13/2022 | | | | <0.0005 | | | | | |
| 9/14/2022 | | | | | | <0.0005 | | <0.0005 | |
| 9/15/2022 | | | 0.00091 | | | | <0.0005 | | |
| 9/16/2022 | | <0.0005 | | | <0.0005 | | | | |
| 9/19/2022 | | | | | | | | | 0.0012 |
| 2/2/2023 | <0.0005 | | 0.00087 | | | | | | |
| 2/3/2023 | | <0.0005 | | <0.0005 | | | | | 0.0011 |
| 2/6/2023 | | | | | | <0.0005 | | | |
| 2/7/2023 | | | | | <0.0005 | | <0.0005 | <0.0005 | |
| 9/6/2023 | 0.00035 (J) | | | | | | | | |
| 9/7/2023 | | | | | | | | | |
| 9/8/2023 | | <0.0005 | | | | | | | |
| 9/11/2023 | | | 0.00072 | | <0.0005 | | | | |
| 9/12/2023 | | | | | | <0.0005 | | | 0.001 |
| 9/13/2023 | | | | <0.0005 | | | <0.0005 | <0.0005 | |

Time Series

Constituent: Cadmium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-122D | B-56 | B-62 |
|------------|---------|-------------|---------|
| 1/30/2019 | | | <0.0005 |
| 9/11/2019 | | | <0.0005 |
| 10/21/2019 | | | <0.0005 |
| 8/13/2020 | | | <0.0005 |
| 8/17/2020 | | 0.00029 (J) | |
| 9/24/2020 | | | <0.0005 |
| 9/25/2020 | | | |
| 9/28/2020 | | 0.00024 (J) | |
| 12/9/2020 | | | |
| 12/17/2020 | | | |
| 1/11/2021 | | | |
| 1/12/2021 | | | |
| 3/3/2021 | | 0.00026 (J) | |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/8/2021 | | | |
| 3/12/2021 | | | <0.0005 |
| 4/15/2021 | | | |
| 9/9/2021 | | | <0.0005 |
| 9/10/2021 | | | |
| 9/13/2021 | | 0.00028 (J) | |
| 9/14/2021 | | | |
| 1/20/2022 | | | <0.0005 |
| 1/21/2022 | | | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | | | |
| 1/27/2022 | | 0.00025 (J) | |
| 6/6/2022 | <0.0005 | | |
| 9/8/2022 | | | <0.0005 |
| 9/13/2022 | | | |
| 9/14/2022 | | | |
| 9/15/2022 | | | |
| 9/16/2022 | | 0.0003 (J) | |
| 9/19/2022 | | | |
| 2/2/2023 | | | <0.0005 |
| 2/3/2023 | | | |
| 2/6/2023 | <0.0005 | | |
| 2/7/2023 | | 0.00036 (J) | |
| 9/6/2023 | | | |
| 9/7/2023 | <0.0005 | | <0.0005 |
| 9/8/2023 | | 0.00034 (J) | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |
| 9/13/2023 | | | |

Time Series

Constituent: Cadmium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|------------|-------------|---------|---------|-------------|-------------|-------------|---------|-------------|---------|
| 3/28/2017 | | | | | | | | | |
| 5/11/2017 | | | | | | | | | |
| 5/15/2017 | | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 7/11/2017 | | | | | | | | | |
| 7/12/2017 | | | | | | | | | |
| 8/8/2017 | | | | | | | | | |
| 10/24/2017 | | | | | | | | | |
| 2/27/2018 | | | | | | | | | |
| 3/8/2018 | | | | | | | | | |
| 7/12/2018 | | | | | | | | | |
| 11/6/2018 | | | | | | | | | |
| 11/7/2018 | | | | | | | | | |
| 1/28/2019 | <0.0005 | | | | | | | | |
| 1/30/2019 | | <0.0005 | | | | | | | |
| 8/27/2019 | | | | | | | | | |
| 8/28/2019 | | | | | | | | | |
| 9/11/2019 | <0.0005 | | | | | | | | |
| 9/12/2019 | | <0.0005 | | | | | | | |
| 9/18/2019 | | | <0.0005 | | | | | | |
| 9/23/2019 | | | | 0.00044 (J) | | | | | |
| 10/15/2019 | | | | | | | | | |
| 10/16/2019 | | | | | | | | | |
| 10/21/2019 | | <0.0005 | | 0.00035 (J) | 0.00041 (J) | | | | |
| 10/22/2019 | 0.00014 (J) | | | | | | | | |
| 10/24/2019 | | | <0.0005 | | | | | | |
| 3/2/2020 | | | | | | | | | |
| 3/9/2020 | | | | | | | | | |
| 8/11/2020 | | | | | | | | | |
| 8/13/2020 | | | <0.0005 | | | | | | |
| 8/14/2020 | | | | | 0.00037 (J) | | | | |
| 8/17/2020 | | | | 0.00058 (J) | | 0.0018 (J) | | | |
| 8/19/2020 | | | | | | | | 0.00077 (J) | |
| 9/22/2020 | | | | | | | | | |
| 9/24/2020 | | | <0.0005 | | | | | | |
| 9/25/2020 | | | | | 0.00026 (J) | 0.00022 (J) | | | |
| 9/28/2020 | | | | 0.00066 (J) | | | | 0.00074 (J) | |
| 3/1/2021 | | | | | | | | | |
| 3/4/2021 | | | <0.0005 | | 0.00032 (J) | | | | |
| 3/5/2021 | | | | | | 0.0065 | | | |
| 3/9/2021 | | | | | | | | 0.00075 (J) | |
| 3/12/2021 | | | | | | | | | |
| 9/9/2021 | | | | | | | | | |
| 9/13/2021 | | | | | | 0.0013 | | | |
| 9/14/2021 | 0.00025 (J) | <0.0005 | <0.0005 | 0.0007 | | | | | |
| 9/15/2021 | | | | | | | 0.00096 | 0.00088 | 0.00056 |
| 9/16/2021 | | | | | 0.0003 (J) | | | | |
| 1/18/2022 | | | | | | | | | |
| 1/20/2022 | <0.0005 | | <0.0005 | | | | | | |
| 1/21/2022 | | | | | 0.0003 (J) | | | | |
| 1/25/2022 | | <0.0005 | | 0.00072 | | | | | |
| 1/26/2022 | | | | | | | 0.001 | 0.00079 | 0.00055 |

Time Series

Constituent: Cadmium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|-----------|-------------|-------------|---------|---------|-------------|--------|--------|---------|---------|
| 1/27/2022 | | | | | | 0.0036 | | | |
| 1/28/2022 | | | | | | | | | |
| 9/7/2022 | | | | | | | | | |
| 9/8/2022 | | | | | | | | | |
| 9/12/2022 | | | | | | | 0.0014 | 0.00084 | |
| 9/13/2022 | | | <0.0005 | | 0.00031 (J) | | | | 0.00055 |
| 9/14/2022 | 0.00018 (J) | | | | | | | | |
| 9/16/2022 | | <0.0005 | | 0.00073 | | 0.0019 | | | |
| 1/31/2023 | | | | | | | 0.0015 | 0.00089 | |
| 2/1/2023 | | | | | | | | | 0.00063 |
| 2/2/2023 | <0.0005 | | | | | | | | |
| 2/3/2023 | | | | | 0.0003 (J) | | | | |
| 2/6/2023 | | | <0.0005 | | | | | | |
| 2/7/2023 | | <0.0005 | | 0.00081 | | 0.0033 | | | |
| 9/6/2023 | | | | | | | 0.0008 | 0.001 | 0.00059 |
| 9/7/2023 | 0.00028 (J) | | | | | | | | |
| 9/11/2023 | | 0.00018 (J) | | 0.00058 | | | | | |
| 9/12/2023 | | | <0.0005 | | 0.00027 (J) | 0.0026 | | | |

Time Series

Constituent: Cadmium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|------------|------------|--------------|---------------|
| 3/28/2017 | | <0.0005 | <0.0005 |
| 5/11/2017 | | 8E-05 (J) | |
| 5/15/2017 | | | <0.0005 |
| 6/15/2017 | | <0.0005 | <0.0005 |
| 7/11/2017 | | | <0.0005 |
| 7/12/2017 | | <0.0005 | |
| 8/8/2017 | | | <0.0005 |
| 10/24/2017 | | <0.0005 | <0.0005 |
| 2/27/2018 | | | <0.0005 |
| 3/8/2018 | | <0.0005 | |
| 7/12/2018 | | 0.00013 (J) | |
| 11/6/2018 | | | <0.0005 |
| 11/7/2018 | | <0.0005 | |
| 1/28/2019 | | | |
| 1/30/2019 | | | |
| 8/27/2019 | | | <0.0005 |
| 8/28/2019 | | <0.0005 | |
| 9/11/2019 | | | |
| 9/12/2019 | | | |
| 9/18/2019 | | | |
| 9/23/2019 | | | |
| 10/15/2019 | | | <0.0005 |
| 10/16/2019 | | <0.0005 | |
| 10/21/2019 | | | |
| 10/22/2019 | | | |
| 10/24/2019 | | | |
| 3/2/2020 | | | 0.00041 (J) |
| 3/9/2020 | | <0.0005 | |
| 8/11/2020 | | | <0.0005 |
| 8/13/2020 | | <0.0005 | |
| 8/14/2020 | | | |
| 8/17/2020 | | | |
| 8/19/2020 | | | |
| 9/22/2020 | | <0.0005 | <0.0005 |
| 9/24/2020 | | | |
| 9/25/2020 | | | |
| 9/28/2020 | | | |
| 3/1/2021 | | | <0.0005 |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/9/2021 | | | |
| 3/12/2021 | | <0.0005 | |
| 9/9/2021 | | <0.0005 | <0.0005 |
| 9/13/2021 | | | |
| 9/14/2021 | | | |
| 9/15/2021 | 0.0003 (J) | | |
| 9/16/2021 | | | |
| 1/18/2022 | | | <0.0005 |
| 1/20/2022 | | | |
| 1/21/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | <0.0005 | | |

Time Series

Constituent: Cadmium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|-----------|-------------|--------------|---------------|
| 1/27/2022 | | | |
| 1/28/2022 | | <0.0005 | |
| 9/7/2022 | | | <0.0005 |
| 9/8/2022 | | <0.0005 | |
| 9/12/2022 | | | |
| 9/13/2022 | 0.00031 (J) | | |
| 9/14/2022 | | | |
| 9/16/2022 | | | |
| 1/31/2023 | <0.0005 | | <0.0005 |
| 2/1/2023 | | 0.00019 (J) | |
| 2/2/2023 | | | |
| 2/3/2023 | | | |
| 2/6/2023 | | | |
| 2/7/2023 | | | |
| 9/6/2023 | 0.00015 (J) | | <0.0005 |
| 9/7/2023 | | <0.0005 | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |

Time Series

Constituent: Cadmium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWA-71 (bg) | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 |
|------------|--------------|-------------|-------------|-------------|------------|---------|-------------|-------------|-------------|
| 8/31/2016 | | 0.0012 | <0.0005 | | | <0.0005 | | | |
| 9/1/2016 | | | | 0.0004 (J) | | | | | 0.0004 (J) |
| 9/2/2016 | | | | | | | | | |
| 9/6/2016 | | | | | <0.0005 | | <0.0005 | | |
| 9/7/2016 | | | | | | | | 0.0003 (J) | |
| 12/6/2016 | | 0.0013 | <0.0005 | | | <0.0005 | | | |
| 12/7/2016 | | | | 0.0003 (J) | 0.0002 (J) | | 9E-05 (J) | | 0.0004 (J) |
| 12/8/2016 | | | | | | | | 0.0003 (J) | |
| 3/28/2017 | <0.0005 | | | | | | | | |
| 3/29/2017 | | 0.0013 | <0.0005 | 0.0003 (J) | | <0.0005 | | | 0.0004 (J) |
| 3/30/2017 | | | | | 8E-05 (J) | | 9E-05 (J) | 0.0003 (J) | |
| 5/11/2017 | | | | | | | | | |
| 5/12/2017 | <0.0005 | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 6/16/2017 | <0.0005 | | | | | | | | |
| 7/11/2017 | <0.0005 | | | | | | | | |
| 7/12/2017 | | 0.0013 | <0.0005 | 0.0004 (J) | <0.0005 | <0.0005 | <0.0005 | 0.0002 (J) | 0.0004 (J) |
| 10/24/2017 | <0.0005 | 0.0014 | <0.0005 | | | | | | |
| 10/25/2017 | | | | 0.0004 (J) | | <0.0005 | <0.0005 | 0.0002 (J) | 0.0004 (J) |
| 11/15/2017 | | | | | <0.0005 | | | | |
| 2/27/2018 | <0.0005 | 0.001 | <0.0005 | <0.0005 | | <0.0005 | | | |
| 2/28/2018 | | | | | <0.0005 | | <0.0005 | <0.001 | <0.001 |
| 7/11/2018 | | | | 0.00033 (J) | | <0.0005 | <0.0005 | 0.00029 (J) | 0.00039 (J) |
| 11/6/2018 | <0.0005 | 0.0012 | <0.0005 | | | | | | |
| 11/7/2018 | | | | <0.001 (J) | <0.0005 | <0.0005 | <0.001 (J) | <0.001 | <0.001 (J) |
| 8/27/2019 | <0.0005 | 0.00077 (J) | 0.00012 (J) | 0.00037 (J) | | <0.0005 | | 0.00033 (J) | |
| 8/28/2019 | | | | | | <0.0005 | <0.0005 | | 0.00033 (J) |
| 8/29/2019 | | | | | | | | | |
| 9/17/2019 | | | | 0.00035 (J) | | | | | |
| 10/15/2019 | <0.0005 | 0.00095 (J) | <0.0005 | 0.00025 (J) | | | | | |
| 10/16/2019 | | | | | <0.0005 | <0.0005 | | | 0.00034 (J) |
| 10/17/2019 | | | | | | | <0.0005 | | |
| 10/18/2019 | | | | | | | | 0.00029 (J) | |
| 3/2/2020 | <0.0005 | | <0.0005 | <0.0005 | | | | | |
| 3/3/2020 | | 0.00095 (J) | | | <0.0005 | <0.0005 | 0.00012 (J) | | 0.00037 (J) |
| 3/4/2020 | | | | | | | | 0.00028 (J) | |
| 8/11/2020 | <0.0005 | 0.00071 (J) | <0.0005 | 0.00038 (J) | | <0.0005 | | | 0.0003 (J) |
| 8/12/2020 | | | | | <0.0005 | | | | |
| 8/13/2020 | | | | | | | 0.00013 (J) | | |
| 8/14/2020 | | | | | | | | 0.00029 (J) | |
| 9/22/2020 | <0.0005 | | 0.00016 (J) | 0.00017 (J) | | <0.0005 | | | 0.00036 (J) |
| 9/23/2020 | | | | | <0.0005 | | <0.0005 | | |
| 9/24/2020 | | 0.00055 (J) | | | | | | 0.00024 (J) | |
| 3/1/2021 | <0.0005 | | | | | | | | |
| 3/2/2021 | | | 0.00013 (J) | | <0.0005 | <0.0005 | <0.0005 | | 0.00035 (J) |
| 3/3/2021 | | | | 0.00016 (J) | | | | 0.00023 (J) | |
| 3/4/2021 | | 0.00088 | | | | | | | |
| 9/8/2021 | <0.0005 | | | | | | | | |
| 9/9/2021 | | | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | | 0.00037 (J) |
| 9/10/2021 | | 0.00061 | | | | | | | |
| 9/13/2021 | | | | | | | | 0.00023 (J) | |
| 1/18/2022 | <0.0005 | | | | | | | | |

Time Series

Constituent: Cadmium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWA-71 (bg) | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 |
|-----------|--------------|-------------|-------------|-------------|---------|---------|---------|-------------|-------------|
| 1/20/2022 | | | | | | | | | |
| 1/21/2022 | | | | | | | | | |
| 1/24/2022 | | | | | | | <0.0005 | 0.00027 (J) | |
| 1/25/2022 | | | 0.00016 (J) | <0.0005 | <0.0005 | <0.0005 | | | 0.00041 (J) |
| 1/26/2022 | | 0.0007 | | | | | | | |
| 9/7/2022 | <0.0005 | | | | | | | | |
| 9/13/2022 | | | | | | <0.0005 | <0.0005 | | |
| 9/14/2022 | | | | | | | | 0.00024 (J) | 0.00032 (J) |
| 9/15/2022 | | 0.00047 (J) | <0.0005 | 0.00017 (J) | <0.0005 | | | | |
| 9/20/2022 | | | | | | | | | |
| 1/31/2023 | <0.0005 | | | | | | | | |
| 2/1/2023 | | | | | <0.0005 | <0.0005 | | | |
| 2/2/2023 | | 0.00059 | | | | | <0.0005 | | |
| 2/6/2023 | | | 0.00015 (J) | <0.0005 | | | | 0.00028 (J) | 0.00029 (J) |
| 2/7/2023 | | | | | | | | | |
| 9/6/2023 | <0.0005 | | | | | | | | |
| 9/8/2023 | | | 0.00014 (J) | | <0.0005 | <0.0005 | <0.0005 | | 0.00034 (J) |
| 9/11/2023 | | 0.0006 | | <0.0005 | | | | | |
| 9/13/2023 | | | | | | | | 0.00019 (J) | |

Time Series

Constituent: Cadmium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|------------|-------------|------------|-------------|
| 8/31/2016 | | | |
| 9/1/2016 | | | |
| 9/2/2016 | | 0.0023 | 0.0006 (J) |
| 9/6/2016 | | | |
| 9/7/2016 | | | |
| 12/6/2016 | | | |
| 12/7/2016 | | 0.0023 | |
| 12/8/2016 | | | 0.0006 (J) |
| 3/28/2017 | | | |
| 3/29/2017 | | 0.0021 | |
| 3/30/2017 | 0.0005 (J) | | 0.0008 (J) |
| 5/11/2017 | 0.0004 (J) | | |
| 5/12/2017 | | | |
| 6/15/2017 | 0.0003 (J) | | |
| 6/16/2017 | | | |
| 7/11/2017 | 0.0003 (J) | | |
| 7/12/2017 | | 0.0021 | 0.0006 (J) |
| 10/24/2017 | 0.0003 (J) | | |
| 10/25/2017 | | 0.002 | 0.0005 (J) |
| 11/15/2017 | | | |
| 2/27/2018 | <0.0005 | | |
| 2/28/2018 | | 0.0018 | <0.0005 |
| 7/11/2018 | 0.00018 (J) | 0.0018 | 0.00054 (J) |
| 11/6/2018 | <0.001 (J) | | |
| 11/7/2018 | | 0.0018 | <0.001 (J) |
| 8/27/2019 | 0.00012 (J) | | |
| 8/28/2019 | | | |
| 8/29/2019 | | 0.002 (J) | 0.00087 (J) |
| 9/17/2019 | | | |
| 10/15/2019 | | | |
| 10/16/2019 | | | |
| 10/17/2019 | 0.00013 (J) | 0.0017 (J) | 0.0006 (J) |
| 10/18/2019 | | | |
| 3/2/2020 | | | |
| 3/3/2020 | 0.00014 (J) | | 0.00063 (J) |
| 3/4/2020 | | 0.0026 | |
| 8/11/2020 | <0.0005 | | |
| 8/12/2020 | | | |
| 8/13/2020 | | 0.0021 (J) | |
| 8/14/2020 | | | 0.00054 (J) |
| 9/22/2020 | | 0.0014 (J) | |
| 9/23/2020 | 0.00013 (J) | | |
| 9/24/2020 | | | 0.00073 (J) |
| 3/1/2021 | | | |
| 3/2/2021 | <0.0005 | 0.0025 | |
| 3/3/2021 | | | 0.00044 (J) |
| 3/4/2021 | | | |
| 9/8/2021 | | | |
| 9/9/2021 | <0.0005 | | 0.00012 (J) |
| 9/10/2021 | | 0.0012 | |
| 9/13/2021 | | | |
| 1/18/2022 | | | |

Time Series

Constituent: Cadmium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|-----------|---------|---------|-------------|
| 1/20/2022 | <0.0005 | | <0.0005 |
| 1/21/2022 | | 0.0028 | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | | | |
| 9/7/2022 | | | |
| 9/13/2022 | | | |
| 9/14/2022 | | | |
| 9/15/2022 | | 0.0021 | 0.00029 (J) |
| 9/20/2022 | <0.0005 | | |
| 1/31/2023 | | | |
| 2/1/2023 | | | |
| 2/2/2023 | | | |
| 2/6/2023 | <0.0005 | | |
| 2/7/2023 | | 0.0027 | 0.00059 |
| 9/6/2023 | | | |
| 9/8/2023 | | | |
| 9/11/2023 | | 0.0038 | 0.00054 |
| 9/13/2023 | <0.0005 | | |

Time Series

Constituent: Cadmium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-22 | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 | DGWC-48 | DGWC-5 | DGWC-8 | DGWC-9 |
|------------|-------------|-------------|-------------|-------------|------------|---------|-------------|------------|-------------|
| 8/30/2016 | | | | | | | | 0.0019 | 0.0004 (J) |
| 8/31/2016 | | | | | | | 0.0002 (J) | | |
| 9/1/2016 | | | | | 0.0017 | 0.0013 | | | |
| 9/2/2016 | 0.0003 (J) | | | | | | | | |
| 9/7/2016 | | | | 0.0007 (J) | | | | | |
| 12/6/2016 | | | | | | | 0.0004 (J) | 0.0025 | 0.0005 (J) |
| 12/8/2016 | 0.0004 (J) | | | 0.0003 (J) | 0.0002 (J) | 0.0042 | | | |
| 3/28/2017 | | | 0.0006 (J) | | | | 0.0002 (J) | | 0.0005 (J) |
| 3/29/2017 | 0.0004 (J) | | | | | | | 0.0024 | |
| 3/30/2017 | | 0.0002 (J) | | | | 0.0089 | | | |
| 3/31/2017 | | | | 0.0009 (J) | 0.002 | | | | |
| 5/12/2017 | | 0.0003 (J) | 0.0006 (J) | | | | | | |
| 6/15/2017 | | 0.0002 (J) | 0.0005 (J) | | | | | | |
| 7/11/2017 | | | 0.0006 (J) | | | | 0.0003 (J) | 0.0021 | 0.0005 (J) |
| 7/12/2017 | | 0.0002 (J) | | | | | | | |
| 7/13/2017 | 0.0005 (J) | | | 0.0008 (J) | 0.0017 | 0.0033 | | | |
| 10/24/2017 | | | 0.0007 (J) | | | | | 0.0029 | 0.0006 (J) |
| 10/25/2017 | 0.0007 (J) | | | 0.0005 (J) | | | 0.0006 (J) | | |
| 10/26/2017 | | 0.0003 (J) | | | 0.0015 | 0.0032 | | | |
| 2/27/2018 | | | <0.001 | | | | <0.001 | 0.0029 | <0.001 |
| 2/28/2018 | <0.001 | | | <0.001 | | | | | |
| 3/1/2018 | | <0.0005 | | | 0.0025 | | | | |
| 3/2/2018 | | | | | | 0.0049 | | | |
| 7/11/2018 | | | | 0.0024 | | | | | 0.00067 (J) |
| 7/12/2018 | 0.00091 (J) | 0.00028 (J) | | | 0.0021 | 0.0032 | | | |
| 11/6/2018 | | | <0.001 (J) | | | | <0.001 (J) | 0.0027 | <0.001 (J) |
| 11/7/2018 | <0.001 (J) | | | <0.001 (J) | 0.0016 | 0.0031 | | | |
| 11/8/2018 | | <0.001 (J) | | | | | | | |
| 8/27/2019 | | | 0.00072 (J) | | | | 0.00082 (J) | | 0.00071 (J) |
| 8/28/2019 | | | | 0.0015 (J) | | | | 0.0022 (J) | |
| 8/29/2019 | 0.00053 (J) | 0.00022 (J) | | | 0.0021 (J) | 0.003 | | | |
| 10/15/2019 | | | 0.00077 (J) | | | | | | |
| 10/16/2019 | | | | | | | 0.00069 (J) | 0.0022 (J) | |
| 10/17/2019 | | | | 0.00058 (J) | 0.0033 | | | | 0.00064 (J) |
| 10/18/2019 | 0.00056 (J) | 0.00022 (J) | | | | 0.0028 | | | |
| 3/2/2020 | | | 0.00088 (J) | | | | 0.00089 (J) | | |
| 3/3/2020 | 0.00061 (J) | | | | | | | 0.002 (J) | 0.00059 (J) |
| 3/4/2020 | | 0.00024 (J) | | 0.00037 (J) | 0.0017 (J) | 0.0036 | | | |
| 8/11/2020 | | | | | | | | | 0.00059 (J) |
| 8/12/2020 | | | 0.0008 (J) | | 0.001 (J) | | 0.00079 (J) | 0.0021 (J) | |
| 8/13/2020 | | 0.00027 (J) | | 0.0013 (J) | | 0.0028 | | | |
| 8/14/2020 | 0.00057 (J) | | | | | | | | |
| 9/22/2020 | | | 0.00065 (J) | 0.0007 (J) | | | 0.00072 (J) | | 0.00059 (J) |
| 9/23/2020 | | | | | 0.0013 (J) | 0.0025 | | 0.0018 (J) | |
| 9/24/2020 | 0.00058 (J) | 0.00018 (J) | | | | | | | |
| 3/1/2021 | | | 0.00085 | | | | | | |
| 3/2/2021 | | | | | | | 0.00075 | 0.0017 | 0.00057 |
| 3/3/2021 | 0.0005 | 0.00015 (J) | | 0.00038 (J) | 0.0016 | 0.0033 | | | |
| 9/9/2021 | | 0.00019 (J) | | | | | | | |
| 9/10/2021 | 0.00061 | | 0.0009 | | 0.0014 | 0.0028 | 0.00093 | | 0.00053 |
| 9/13/2021 | | | | 0.00042 (J) | | | | 0.002 | |
| 1/20/2022 | 0.00052 | 0.00012 (J) | | 0.00038 (J) | | | | | |

Time Series

Constituent: Cadmium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-22 | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 | DGWC-48 | DGWC-5 | DGWC-8 | DGWC-9 |
|-----------|-------------|-------------|---------|---------|---------|---------|---------|---------|---------|
| 1/21/2022 | | | | | 0.0019 | | | | |
| 1/24/2022 | | | 0.00098 | | | 0.0029 | 0.00094 | | |
| 1/25/2022 | | | | | | | | 0.0016 | |
| 1/26/2022 | | | | | | | | | 0.00059 |
| 9/13/2022 | | | | 0.00069 | 0.0011 | 0.0026 | | | |
| 9/14/2022 | | | | | | | 0.00087 | | |
| 9/15/2022 | | | | | | | | 0.0011 | |
| 9/16/2022 | 0.00065 | | | | | | | | |
| 9/19/2022 | | | 0.00091 | | | | | | 0.00076 |
| 9/20/2022 | | 0.00017 (J) | | | | | | | |
| 2/1/2023 | | | | 0.00075 | | | | | |
| 2/3/2023 | | | 0.001 | | 0.0013 | 0.0024 | | | 0.00053 |
| 2/6/2023 | 0.00045 (J) | 0.00021 (J) | | | | | | | |
| 2/7/2023 | | | | | | | 0.0012 | 0.00087 | |
| 9/11/2023 | 0.0006 | <0.0005 | | | | | | | |
| 9/12/2023 | | | | | 0.00083 | | | 0.0015 | |
| 9/13/2023 | | | 0.00099 | 0.00068 | | 0.0026 | 0.0013 | | |
| 9/14/2023 | | | | | | | | | |

Time Series

Constituent: Cadmium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

8/30/2016
8/31/2016
9/1/2016
9/2/2016
9/7/2016
12/6/2016
12/8/2016
3/28/2017
3/29/2017
3/30/2017
3/31/2017
5/12/2017
6/15/2017
7/11/2017
7/12/2017
7/13/2017
10/24/2017
10/25/2017
10/26/2017
2/27/2018
2/28/2018
3/1/2018
3/2/2018
7/11/2018
7/12/2018
11/6/2018
11/7/2018
11/8/2018
8/27/2019
8/28/2019
8/29/2019
10/15/2019
10/16/2019
10/17/2019
10/18/2019
3/2/2020
3/3/2020
3/4/2020
8/11/2020
8/12/2020
8/13/2020
8/14/2020
9/22/2020
9/23/2020
9/24/2020
3/1/2021
3/2/2021
3/3/2021
9/9/2021
9/10/2021
9/13/2021
1/20/2022

Time Series

Constituent: Cadmium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

| | |
|-----------|---------|
| 1/21/2022 | |
| 1/24/2022 | |
| 1/25/2022 | |
| 1/26/2022 | |
| 9/13/2022 | |
| 9/14/2022 | |
| 9/15/2022 | |
| 9/16/2022 | |
| 9/19/2022 | |
| 9/20/2022 | |
| 2/1/2023 | |
| 2/3/2023 | |
| 2/6/2023 | |
| 2/7/2023 | |
| 9/11/2023 | |
| 9/12/2023 | |
| 9/13/2023 | |
| 9/14/2023 | <0.0005 |

Time Series

Constituent: Calcium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-100 | B-101D | B-102D | B-104D | B-106D | B-107D | B-108D | B-111D | B-120D |
|------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1/30/2019 | | | | | | | | | |
| 10/21/2019 | | | | | | | | | |
| 9/24/2020 | | | | | | | | | |
| 9/25/2020 | 44.7 | | | | | | | | |
| 9/28/2020 | | | | | | | | | |
| 12/9/2020 | | | | 154 | | 85.4 | 90.5 | 105 | |
| 12/17/2020 | | | 71.5 | | 43.2 | | | | |
| 1/11/2021 | | | 73 | | | | | | |
| 1/12/2021 | | 56.3 | | 156 | | | | 103 | |
| 3/3/2021 | | | | | | | | | |
| 3/4/2021 | | | 79.7 | 150 | 42.1 | 83.9 | 86.6 | | |
| 3/5/2021 | | 68.9 | | | | | | 110 | |
| 3/8/2021 | 47.7 | | | | | | | | |
| 3/12/2021 | | | | | | | | | |
| 4/15/2021 | | | | | | | | | 171 |
| 9/9/2021 | | | | | | | | | |
| 9/10/2021 | | | 84.7 | | | | | | |
| 9/13/2021 | 51.5 | 53.6 | | | 42.1 | 83.6 | | | |
| 9/14/2021 | | | | 151 | | | 83.3 | 98.4 | 162 |
| 1/20/2022 | | | | | | | | | 158 |
| 1/21/2022 | 49.9 | | | | | | | | |
| 1/24/2022 | | | | 163 | | 89.9 | 88.2 | 107 | |
| 1/25/2022 | | | | | 40 | | | | |
| 1/26/2022 | | 49.7 | | | | | | | |
| 1/27/2022 | | | 86.9 | | | | | | |
| 6/6/2022 | | | | | | | | | |
| 9/8/2022 | 46 | | | | | | | | |
| 9/13/2022 | | | | 153 | | | | | |
| 9/14/2022 | | | | | | 82.6 | | 90.7 | |
| 9/15/2022 | | | 70.3 | | | | 85.1 | | |
| 9/16/2022 | | 57 | | | 35.3 | | | | |
| 9/19/2022 | | | | | | | | | 142 |
| 2/2/2023 | 46.9 | | 68 | | | | | | |
| 2/3/2023 | | 41.8 | | 142 | | | | | 121 |
| 2/6/2023 | | | | | | 76 | | | |
| 2/7/2023 | | | | | 30.7 | | 83.1 | 91.5 | |
| 9/6/2023 | 49.9 | | | | | | | | |
| 9/7/2023 | | | | | | | | | |
| 9/8/2023 | | 96.6 | | | | | | | |
| 9/11/2023 | | | 71.9 | | 35.3 | | | | |
| 9/12/2023 | | | | | | 80.8 | | | 110 |
| 9/13/2023 | | | | 152 | | | 83.9 | 93.4 | |

Time Series

Constituent: Calcium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-122D | B-56 | B-62 |
|------------|--------|------|------|
| 1/30/2019 | | | 51.4 |
| 10/21/2019 | | | 31.2 |
| 9/24/2020 | | | 28.8 |
| 9/25/2020 | | | |
| 9/28/2020 | | 15.1 | |
| 12/9/2020 | | | |
| 12/17/2020 | | | |
| 1/11/2021 | | | |
| 1/12/2021 | | | |
| 3/3/2021 | | 18.5 | |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/8/2021 | | | |
| 3/12/2021 | | | 28.8 |
| 4/15/2021 | | | |
| 9/9/2021 | | | 29.2 |
| 9/10/2021 | | | |
| 9/13/2021 | | 15.2 | |
| 9/14/2021 | | | |
| 1/20/2022 | | | 36.3 |
| 1/21/2022 | | | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | | | |
| 1/27/2022 | | 19.8 | |
| 6/6/2022 | 48.3 | | |
| 9/8/2022 | | | 31.4 |
| 9/13/2022 | | | |
| 9/14/2022 | | | |
| 9/15/2022 | | | |
| 9/16/2022 | | 18.4 | |
| 9/19/2022 | | | |
| 2/2/2023 | | | 32.4 |
| 2/3/2023 | | | |
| 2/6/2023 | 47.3 | | |
| 2/7/2023 | | 20.1 | |
| 9/6/2023 | | | |
| 9/7/2023 | 52.3 | | 35.1 |
| 9/8/2023 | | 19.8 | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |
| 9/13/2023 | | | |

Time Series

Constituent: Calcium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|------------|------|------|------|------|------|------|------|------|------|
| 3/28/2017 | | | | | | | | | |
| 5/11/2017 | | | | | | | | | |
| 5/15/2017 | | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 7/11/2017 | | | | | | | | | |
| 7/12/2017 | | | | | | | | | |
| 8/8/2017 | | | | | | | | | |
| 10/24/2017 | | | | | | | | | |
| 2/27/2018 | | | | | | | | | |
| 3/8/2018 | | | | | | | | | |
| 7/12/2018 | | | | | | | | | |
| 11/6/2018 | | | | | | | | | |
| 11/7/2018 | | | | | | | | | |
| 1/28/2019 | <25 | | | | | | | | |
| 1/30/2019 | | 62.4 | | | | | | | |
| 3/12/2019 | | | | | | | | | |
| 3/13/2019 | | | | | | | | | |
| 10/15/2019 | | | | | | | | | |
| 10/16/2019 | | | | | | | | | |
| 10/21/2019 | | 85.5 | | 27 | 35.1 | | | | |
| 10/22/2019 | 20.7 | | | | | | | | |
| 10/24/2019 | | | 15.6 | | | | | | |
| 11/22/2019 | | | | | | 156 | | | |
| 12/18/2019 | | | | | | | 139 | | |
| 12/19/2019 | | | | | | | | 168 | |
| 2/17/2020 | | | | | | | | | 190 |
| 3/2/2020 | | | | | | | | | |
| 3/9/2020 | | | | | | | | | |
| 9/22/2020 | | | | | | | | | |
| 9/24/2020 | | | 17.9 | | | | | | |
| 9/25/2020 | | | | | 39.8 | 79.8 | | | |
| 9/28/2020 | | | | 26.5 | | | | 110 | |
| 3/1/2021 | | | | | | | | | |
| 3/4/2021 | | | 14.8 | | 39.1 | | | | |
| 3/5/2021 | | | | | | 128 | | | |
| 3/9/2021 | | | | | | | | 127 | |
| 3/12/2021 | | | | | | | | | |
| 9/9/2021 | | | | | | | | | |
| 9/13/2021 | | | | | | 80.5 | | | |
| 9/14/2021 | 22.7 | 60.9 | 17 | 33.4 | | | | | |
| 9/15/2021 | | | | | | | 110 | 129 | 178 |
| 9/16/2021 | | | | | 39.4 | | | | |
| 1/18/2022 | | | | | | | | | |
| 1/20/2022 | 22.9 | | 18.6 | | | | | | |
| 1/21/2022 | | | | | 40.8 | | | | |
| 1/25/2022 | | 54.9 | | 36.4 | | | | | |
| 1/26/2022 | | | | | | | 96 | 141 | 198 |
| 1/27/2022 | | | | | | 105 | | | |
| 1/28/2022 | | | | | | | | | |
| 9/7/2022 | | | | | | | | | |
| 9/8/2022 | | | | | | | | | |
| 9/12/2022 | | | | | | | 104 | 133 | |

Time Series

Constituent: Calcium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|-----------|------|------|------|------|------|------|------|------|------|
| 9/13/2022 | | | 15.7 | | 36.2 | | | | 201 |
| 9/14/2022 | 26.3 | | | | | | | | |
| 9/16/2022 | | 63.9 | | 34.3 | | 97.6 | | | |
| 1/31/2023 | | | | | | | 95 | 123 | |
| 2/1/2023 | | | | | | | | | 192 |
| 2/2/2023 | 21.2 | | | | | | | | |
| 2/3/2023 | | | | | 31.4 | | | | |
| 2/6/2023 | | | 14.8 | | | | | | |
| 2/7/2023 | | 45.3 | | 37 | | 92.4 | | | |
| 9/6/2023 | | | | | | | 158 | 148 | 220 |
| 9/7/2023 | 23.7 | | | | | | | | |
| 9/11/2023 | | 46.7 | | 52.3 | | | | | |
| 9/12/2023 | | | 19.2 | | 32.4 | 102 | | | |

Time Series

Constituent: Calcium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|------------|------|--------------|---------------|
| 3/28/2017 | | 30.8 | 5.14 |
| 5/11/2017 | | 35.8 | |
| 5/15/2017 | | | 6.5 |
| 6/15/2017 | | 36 | 5.38 |
| 7/11/2017 | | | 5.96 |
| 7/12/2017 | | 40.3 | |
| 8/8/2017 | | | 5.2 |
| 10/24/2017 | | 30.3 | 4.93 |
| 2/27/2018 | | | <25 |
| 3/8/2018 | | 39.8 | |
| 7/12/2018 | | 34.7 | |
| 11/6/2018 | | | 5.5 |
| 11/7/2018 | | 28.6 | |
| 1/28/2019 | | | |
| 1/30/2019 | | | |
| 3/12/2019 | | | 5.1 |
| 3/13/2019 | | 26.7 | |
| 10/15/2019 | | | 5.1 |
| 10/16/2019 | | 17.7 | |
| 10/21/2019 | | | |
| 10/22/2019 | | | |
| 10/24/2019 | | | |
| 11/22/2019 | | | |
| 12/18/2019 | | | |
| 12/19/2019 | | | |
| 2/17/2020 | 85.9 | | |
| 3/2/2020 | | | 5.3 |
| 3/9/2020 | | 23.7 | |
| 9/22/2020 | | 15.5 | 5 |
| 9/24/2020 | | | |
| 9/25/2020 | | | |
| 9/28/2020 | | | |
| 3/1/2021 | | | 4.1 |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/9/2021 | | | |
| 3/12/2021 | | 18.4 | |
| 9/9/2021 | | 18.3 | 5.3 |
| 9/13/2021 | | | |
| 9/14/2021 | | | |
| 9/15/2021 | 105 | | |
| 9/16/2021 | | | |
| 1/18/2022 | | | 6.1 |
| 1/20/2022 | | | |
| 1/21/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | 31.9 | | |
| 1/27/2022 | | | |
| 1/28/2022 | | 19.5 | |
| 9/7/2022 | | | 5.9 |
| 9/8/2022 | | 17.2 | |
| 9/12/2022 | | | |

Time Series

Constituent: Calcium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|-----------|------|--------------|---------------|
| 9/13/2022 | 63.3 | | |
| 9/14/2022 | | | |
| 9/16/2022 | | | |
| 1/31/2023 | 40.6 | | 6.2 |
| 2/1/2023 | | 14.1 | |
| 2/2/2023 | | | |
| 2/3/2023 | | | |
| 2/6/2023 | | | |
| 2/7/2023 | | | |
| 9/6/2023 | 43.2 | | 6.6 |
| 9/7/2023 | | 16.3 | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |

Time Series

Constituent: Calcium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWA-71 (bg) | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 |
|------------|--------------|---------|---------|---------|---------|---------|---------|----------|---------|
| 8/31/2016 | | 81.7 | 44.2 | | | 9.95 | | | |
| 9/1/2016 | | | | 80.6 | | | | | 65.6 |
| 9/2/2016 | | | | | | | | | |
| 9/6/2016 | | | | | 44 | | 33.6 | | |
| 9/7/2016 | | | | | | | | 8.61 | |
| 12/6/2016 | | 74.2 | 48.3 | | | 10.4 | | | |
| 12/7/2016 | | | | 82.1 | 39.8 | | 34.7 | | 68.3 |
| 12/8/2016 | | | | | | | | 7.92 | |
| 3/28/2017 | 8.31 | | | | | | | | |
| 3/29/2017 | | 79.5 | 50.5 | 88.3 | | 14.4 | | | 68 |
| 3/30/2017 | | | | | 46.3 | | 36.9 | 9.56 | |
| 5/11/2017 | | | | | | | | | |
| 5/12/2017 | 8.04 | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 6/16/2017 | 7.66 | | | | | | | | |
| 7/11/2017 | 7.71 | | | | | | | | |
| 7/12/2017 | | 86.3 | 50.8 | 87 | 47.8 | 10.5 | 38.4 | 10.4 | 70 |
| 10/24/2017 | 6.86 | 81.5 | 55 | | | | | | |
| 10/25/2017 | | | | 92.1 | | 9.67 | 36.2 | 10.9 | 77 |
| 11/15/2017 | | | | | 49.3 | | | | |
| 2/27/2018 | <25 | 96.2 | 51.4 | 85.6 | | <25 | | | |
| 2/28/2018 | | | | | <25 | | 35 | <25 | 72 |
| 7/11/2018 | | | | 93.6 | | 9.9 | 37.5 | 13 (J) | 82.7 |
| 11/6/2018 | 5.7 | 94.8 | 62.6 | | | | | | |
| 11/7/2018 | | | | 73.3 | 44.8 | 9.7 | 11.4 | 37 | 81.7 |
| 3/12/2019 | 5.5 | 83.5 | 61.4 | 62.1 | | | | | |
| 3/13/2019 | | | | | 42.1 | 9.7 | | 11.9 (J) | 76.9 |
| 3/14/2019 | | | | | | | 34.7 | | |
| 10/15/2019 | 5.1 | 79.1 | 61.2 | 61.4 | | | | | |
| 10/16/2019 | | | | | 43.8 | 9.4 | | | 85.7 |
| 10/17/2019 | | | | | | | 37 | | |
| 10/18/2019 | | | | | | | | 12.9 | |
| 3/2/2020 | 5.8 | | 65.8 | 46.5 | | | | | |
| 3/3/2020 | | 63.6 | | | 49.3 | 14 | 37.8 | | 86.8 |
| 3/4/2020 | | | | | | | | 15.8 | |
| 9/22/2020 | 5.4 | | 72.7 | 55.4 | | 11.6 | | | 103 |
| 9/23/2020 | | | | | 39 | | 35.6 | | |
| 9/24/2020 | | 53.1 | | | | | | 12.7 | |
| 3/1/2021 | 5.9 | | | | | | | | |
| 3/2/2021 | | | 65.3 | | 40.5 | 11.4 | 36 | | 93.2 |
| 3/3/2021 | | | | 50.1 | | | | 14.3 | |
| 3/4/2021 | | 75.8 | | | | | | | |
| 9/8/2021 | 6.1 | | | | | | | | |
| 9/9/2021 | | | 66.8 | 29.2 | 38.2 | 11.1 | 34.4 | | 93.6 |
| 9/10/2021 | | 82.4 | | | | | | | |
| 9/13/2021 | | | | | | | | 15.8 | |
| 1/18/2022 | 6.6 | | | | | | | | |
| 1/20/2022 | | | | | | | | | |
| 1/21/2022 | | | | | | | | | |
| 1/24/2022 | | | | | | | 33.2 | 15.6 | |
| 1/25/2022 | | | 70.2 | 28.5 | 43.2 | 12.4 | | | 101 |
| 1/26/2022 | | 76.8 | | | | | | | |

Time Series

Constituent: Calcium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|------------|--------|---------|---------|
| 8/31/2016 | | | |
| 9/1/2016 | | | |
| 9/2/2016 | | 96.3 | 70.2 |
| 9/6/2016 | | | |
| 9/7/2016 | | | |
| 12/6/2016 | | | |
| 12/7/2016 | | 91.9 | |
| 12/8/2016 | | | 70.1 |
| 3/28/2017 | | | |
| 3/29/2017 | | 95.7 | |
| 3/30/2017 | 103 | | 72.5 |
| 5/11/2017 | 102 | | |
| 5/12/2017 | | | |
| 6/15/2017 | 96.2 | | |
| 6/16/2017 | | | |
| 7/11/2017 | 98.4 | | |
| 7/12/2017 | | 100 | 80.4 |
| 10/24/2017 | 86 | | |
| 10/25/2017 | | 97.3 | 75.6 |
| 11/15/2017 | | | |
| 2/27/2018 | 66.7 | | |
| 2/28/2018 | | 86.3 | 73.2 |
| 7/11/2018 | 55 | 92.4 | 82.3 |
| 11/6/2018 | 54.5 | | |
| 11/7/2018 | | 85.9 | 78.5 |
| 3/12/2019 | 52.2 | | |
| 3/13/2019 | | 86.4 | 79.9 |
| 3/14/2019 | | | |
| 10/15/2019 | | | |
| 10/16/2019 | | | |
| 10/17/2019 | 47.2 | 86.9 | 79.8 |
| 10/18/2019 | | | |
| 3/2/2020 | | | |
| 3/3/2020 | 48.4 | | 87.4 |
| 3/4/2020 | | 103 | |
| 9/22/2020 | | 79.2 | |
| 9/23/2020 | 44.4 | | |
| 9/24/2020 | | | 80 |
| 3/1/2021 | | | |
| 3/2/2021 | 44 | 74.7 | |
| 3/3/2021 | | | 82.1 |
| 3/4/2021 | | | |
| 9/8/2021 | | | |
| 9/9/2021 | 42 | | 75.3 |
| 9/10/2021 | | 69.8 | |
| 9/13/2021 | | | |
| 1/18/2022 | | | |
| 1/20/2022 | 44.6 | | 83.7 |
| 1/21/2022 | | 104 | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | | | |

Time Series

Constituent: Calcium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|-----------|--------|---------|---------|
| 9/7/2022 | | | |
| 9/13/2022 | | | |
| 9/14/2022 | | | |
| 9/15/2022 | | 70.1 | 82.2 |
| 9/20/2022 | 37.8 | | |
| 1/31/2023 | | | |
| 2/1/2023 | | | |
| 2/2/2023 | | | |
| 2/6/2023 | 35.3 | | |
| 2/7/2023 | | 110 | 84.8 |
| 9/6/2023 | | | |
| 9/8/2023 | | | |
| 9/11/2023 | | 114 | 88.4 |
| 9/13/2023 | 33.6 | | |

Time Series

Constituent: Calcium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-22 | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 | DGWC-48 | DGWC-5 | DGWC-8 | DGWC-9 |
|------------|---------|---------|--------|---------|---------|---------|--------|--------|--------|
| 8/30/2016 | | | | | | | | 82.7 | 64.9 |
| 8/31/2016 | | | | | | | 82.6 | | |
| 9/1/2016 | | | | | 69.3 | 95.1 | | | |
| 9/2/2016 | 61.6 | | | | | | | | |
| 9/7/2016 | | | | 43.6 | | | | | |
| 12/6/2016 | | | | | | | 73.9 | 76.8 | 59.3 |
| 12/8/2016 | 60.1 | | | 45.8 | 71.1 | 105 | | | |
| 3/28/2017 | | | 229 | | | | 89.1 | | 71.6 |
| 3/29/2017 | 64.7 | | | | | | | 90.5 | |
| 3/30/2017 | | 68.1 | | | | 98.6 | | | |
| 3/31/2017 | | | | 48.3 | 62.6 | | | | |
| 5/12/2017 | | 71.1 | 233 | | | | | | |
| 6/15/2017 | | 65.9 | 224 | | | | | | |
| 7/11/2017 | | | 249 | | | | 84.6 | 91.1 | 73.7 |
| 7/12/2017 | | 70 | | | | | | | |
| 7/13/2017 | 67.2 | | | 52.3 | 52.5 | 102 | | | |
| 10/24/2017 | | | 232 | | | | | 78.1 | 92.5 |
| 10/25/2017 | 66.8 | | | 50.9 | | | 95.6 | | |
| 10/26/2017 | | 67.2 | | | 46.7 | 94 | | | |
| 2/27/2018 | | | 245 | | | | 108 | 64.2 | 73.1 |
| 2/28/2018 | 62.3 | | | 45.1 | | | | | |
| 3/1/2018 | | 66.5 | | | 44.2 | | | | |
| 3/2/2018 | | | | | | 86.6 | | | |
| 7/11/2018 | | | | 47.8 | | | | | 88.5 |
| 7/12/2018 | 71 | 72 | | | 41.6 | 89.1 | | | |
| 11/6/2018 | | | 284 | | | | 124 | 57 | 81.1 |
| 11/7/2018 | 60.9 | | | 45.5 | 38.6 | 88 | | | |
| 11/8/2018 | | 73.5 | | | | | | | |
| 3/12/2019 | | | 295 | | | | 110 | 54.3 | 78.1 |
| 3/14/2019 | 64.8 | 73.2 | | 43.5 | 36.6 | 74.6 | | | |
| 10/15/2019 | | | 276 | | | | | | |
| 10/16/2019 | | | | | | | 109 | 47.3 | |
| 10/17/2019 | | | | 44.1 | 36.2 | | | | 75.6 |
| 10/18/2019 | 61.7 | 67.7 | | | | 72.7 | | | |
| 3/2/2020 | | | 320 | | | | 116 | | |
| 3/3/2020 | 68.7 | | | | | | | 46 | 59.5 |
| 3/4/2020 | | 69.8 | | 48.8 | 36 | 79.7 | | | |
| 9/22/2020 | | | 263 | 43.8 | | | 99.2 | | 54.7 |
| 9/23/2020 | | | | | 22.3 | 72.2 | | 39.3 | |
| 9/24/2020 | 62.6 | 73.7 | | | | | | | |
| 3/1/2021 | | | 322 | | | | | | |
| 3/2/2021 | | | | | | | 114 | 35.6 | 48.8 |
| 3/3/2021 | 62.3 | 68.1 | | 38.8 | 25.5 | 66 | | | |
| 9/9/2021 | | 76.4 | | | | | | | |
| 9/10/2021 | 62.3 | | 285 | | 24.4 | 68.7 | 123 | | 47.7 |
| 9/13/2021 | | | | 38.9 | | | | 36 | |
| 1/20/2022 | 67.3 | 82.7 | | 38.1 | | | | | |
| 1/21/2022 | | | | | 31 | | | | |
| 1/24/2022 | | | 299 | | | 61.2 | 112 | | |
| 1/25/2022 | | | | | | | | 36.8 | |
| 1/26/2022 | | | | | | | | | 48.4 |
| 9/13/2022 | | | | 34.2 | 24.8 | 65.3 | | | |

Time Series

Constituent: Calcium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

8/30/2016
8/31/2016
9/1/2016
9/2/2016
9/7/2016
12/6/2016
12/8/2016
3/28/2017
3/29/2017
3/30/2017
3/31/2017
5/12/2017
6/15/2017
7/11/2017
7/12/2017
7/13/2017
10/24/2017
10/25/2017
10/26/2017
2/27/2018
2/28/2018
3/1/2018
3/2/2018
7/11/2018
7/12/2018
11/6/2018
11/7/2018
11/8/2018
3/12/2019
3/14/2019
10/15/2019
10/16/2019
10/17/2019
10/18/2019
3/2/2020
3/3/2020
3/4/2020
9/22/2020
9/23/2020
9/24/2020
3/1/2021
3/2/2021
3/3/2021
9/9/2021
9/10/2021
9/13/2021
1/20/2022
1/21/2022
1/24/2022
1/25/2022
1/26/2022
9/13/2022

Time Series

Constituent: Calcium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

| | |
|-----------|-----|
| 9/14/2022 | |
| 9/15/2022 | |
| 9/16/2022 | |
| 9/19/2022 | |
| 9/20/2022 | |
| 2/1/2023 | |
| 2/3/2023 | |
| 2/6/2023 | |
| 2/7/2023 | |
| 3/21/2023 | 123 |
| 4/10/2023 | 139 |
| 9/11/2023 | |
| 9/12/2023 | |
| 9/13/2023 | |
| 9/14/2023 | 140 |

Time Series

Constituent: Chloride (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-100 | B-101D | B-102D | B-104D | B-106D | B-107D | B-108D | B-111D | B-120D |
|------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1/30/2019 | | | | | | | | | |
| 10/21/2019 | | | | | | | | | |
| 9/24/2020 | | | | | | | | | |
| 9/25/2020 | 13.2 | | | | | | | | |
| 9/28/2020 | | | | | | | | | |
| 12/9/2020 | | | | 7.7 | | 12.5 | 29.1 | 12.8 | |
| 12/17/2020 | | | 10.3 | | 8 | | | | |
| 1/11/2021 | | | 9.8 | | | | | | |
| 1/12/2021 | | 20.6 | | 7.5 | | | | 15.7 | |
| 3/3/2021 | | | | | | | | | |
| 3/4/2021 | | | 10.4 | 7.9 | 7.8 | 13 | 29.4 | | |
| 3/5/2021 | | 9 | | | | | | 39.2 | |
| 3/8/2021 | 12.9 | | | | | | | | |
| 3/12/2021 | | | | | | | | | |
| 4/15/2021 | | | | | | | | | 6.2 |
| 9/9/2021 | | | | | | | | | |
| 9/10/2021 | | | 10.2 | | | | | | |
| 9/13/2021 | 11.1 | 8.7 | | | 7 | 11.7 | | | |
| 9/14/2021 | | | | 7.9 | | | 28.8 | 27.3 | 6.1 |
| 1/20/2022 | | | | | | | | | 6 |
| 1/21/2022 | 11.3 | | | | | | | | |
| 1/24/2022 | | | | 7.8 | | 12.8 | 32.9 | 30.6 | |
| 1/25/2022 | | | | | 7.4 | | | | |
| 1/26/2022 | | 9 | | | | | | | |
| 1/27/2022 | | | 10.4 | | | | | | |
| 6/6/2022 | | | | | | | | | |
| 9/8/2022 | 10.2 | | | | | | | | |
| 9/13/2022 | | | | 8 | | | | | |
| 9/14/2022 | | | | | | 12.9 | | 10.3 | |
| 9/15/2022 | | | 9.9 | | | | 27.6 | | |
| 9/16/2022 | | 8.7 | | | 6.6 | | | | |
| 9/19/2022 | | | | | | | | | 5.8 |
| 2/2/2023 | 11.7 | | 10.8 | | | | | | |
| 2/3/2023 | | 9.1 | | 7.8 | | | | | 6.1 |
| 2/6/2023 | | | | | | 13.6 | | | |
| 2/7/2023 | | | | | 6.8 | | 27.6 | 9.9 | |
| 9/6/2023 | 10 | | | | | | | | |
| 9/7/2023 | | | | | | | | | |
| 9/8/2023 | | 9.5 | | | | | | | |
| 9/11/2023 | | | 10.4 | | 7.8 | | | | |
| 9/12/2023 | | | | | | 14.1 | | | 6 |
| 9/13/2023 | | | | 7.7 | | | 29.9 | 10.2 | |

Time Series

Constituent: Chloride (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-122D | B-56 | B-62 |
|------------|--------|------|------|
| 1/30/2019 | | | 7.1 |
| 10/21/2019 | | | 6.5 |
| 9/24/2020 | | | 5.7 |
| 9/25/2020 | | | |
| 9/28/2020 | | 8.7 | |
| 12/9/2020 | | | |
| 12/17/2020 | | | |
| 1/11/2021 | | | |
| 1/12/2021 | | | |
| 3/3/2021 | | 8.3 | |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/8/2021 | | | |
| 3/12/2021 | | | 5.9 |
| 4/15/2021 | | | |
| 9/9/2021 | | | 5.8 |
| 9/10/2021 | | | |
| 9/13/2021 | | 7.1 | |
| 9/14/2021 | | | |
| 1/20/2022 | | | 5.6 |
| 1/21/2022 | | | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | | | |
| 1/27/2022 | | 7.6 | |
| 6/6/2022 | 18.4 | | |
| 9/8/2022 | | | 5.3 |
| 9/13/2022 | | | |
| 9/14/2022 | | | |
| 9/15/2022 | | | |
| 9/16/2022 | | 6.9 | |
| 9/19/2022 | | | |
| 2/2/2023 | | | 5.8 |
| 2/3/2023 | | | |
| 2/6/2023 | 15.4 | | |
| 2/7/2023 | | 6.9 | |
| 9/6/2023 | | | |
| 9/7/2023 | 12.6 | | 5.4 |
| 9/8/2023 | | 6.8 | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |
| 9/13/2023 | | | |

Time Series

Constituent: Chloride (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|-----------|------|------|------|------|------|------|------|------|------|
| 9/12/2022 | | | | | | | 10.2 | 15 | |
| 9/13/2022 | | | 2.4 | | 2.5 | | | | 19.5 |
| 9/14/2022 | 6.5 | | | | | | | | |
| 9/16/2022 | | 8.4 | | 9.4 | | 8.7 | | | |
| 1/31/2023 | | | | | | | 11.4 | 15.7 | |
| 2/1/2023 | | | | | | | | | 19.4 |
| 2/2/2023 | 7 | | | | | | | | |
| 2/3/2023 | | | | | 2.5 | | | | |
| 2/6/2023 | | | 3.5 | | | | | | |
| 2/7/2023 | | 8.7 | | 12.1 | | 8.4 | | | |
| 9/6/2023 | | | | | | | 13.6 | 16.8 | 17.2 |
| 9/7/2023 | 6.8 | | | | | | | | |
| 9/11/2023 | | 9 | | 11.9 | | | | | |
| 9/12/2023 | | | 4 | | 2.4 | 9.1 | | | |

Time Series

Constituent: Chloride (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|------------|------|--------------|---------------|
| 3/28/2017 | | 3.7 | 3.8 |
| 5/11/2017 | | 2.3 | |
| 5/15/2017 | | | 2.2 |
| 6/15/2017 | | 2.6 | 2 |
| 7/11/2017 | | | 2.1 |
| 7/12/2017 | | 2.3 | |
| 8/8/2017 | | | 2.2 |
| 10/24/2017 | | 2.7 | 2.4 |
| 11/15/2017 | | 2.2 | |
| 2/27/2018 | | | 2.5 |
| 3/8/2018 | | 2.4 | |
| 7/12/2018 | | 2.2 | |
| 11/6/2018 | | | 2.3 |
| 11/7/2018 | | 2.3 | |
| 1/28/2019 | | | |
| 1/30/2019 | | | |
| 3/12/2019 | | | 2.5 |
| 3/13/2019 | | 3.6 | |
| 10/15/2019 | | | 2.2 |
| 10/16/2019 | | 2 | |
| 10/21/2019 | | | |
| 10/22/2019 | | | |
| 10/24/2019 | | | |
| 11/22/2019 | | | |
| 12/18/2019 | | | |
| 12/19/2019 | | | |
| 2/17/2020 | 96.8 | | |
| 3/2/2020 | | | 1.9 |
| 3/9/2020 | | 1.8 | |
| 9/22/2020 | | 1.6 | 1.9 |
| 9/24/2020 | | | |
| 9/25/2020 | | | |
| 9/28/2020 | | | |
| 3/1/2021 | | | 1.9 |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/9/2021 | | | |
| 3/12/2021 | | 2 | |
| 9/9/2021 | | 1.8 | 1.9 |
| 9/13/2021 | | | |
| 9/14/2021 | | | |
| 9/15/2021 | 29.9 | | |
| 9/16/2021 | | | |
| 1/18/2022 | | | 1.9 |
| 1/20/2022 | | | |
| 1/21/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | 4.9 | | |
| 1/27/2022 | | | |
| 1/28/2022 | | 1.8 | |
| 9/7/2022 | | | 2.1 |
| 9/8/2022 | | 1.6 | |

Time Series

Constituent: Chloride (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|-----------|------|--------------|---------------|
| 9/12/2022 | | | |
| 9/13/2022 | 4.9 | | |
| 9/14/2022 | | | |
| 9/16/2022 | | | |
| 1/31/2023 | 2.8 | | 2.2 |
| 2/1/2023 | | 1.9 | |
| 2/2/2023 | | | |
| 2/3/2023 | | | |
| 2/6/2023 | | | |
| 2/7/2023 | | | |
| 9/6/2023 | 3.2 | | 2.2 |
| 9/7/2023 | | 1.7 | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |

Time Series

Constituent: Chloride (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWA-71 (bg) | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 |
|------------|--------------|---------|---------|---------|---------|---------|---------|---------|---------|
| 8/31/2016 | | 11 | 11 | | | 3.1 | | | |
| 9/1/2016 | | | | 13 | | | | | 41 |
| 9/2/2016 | | | | | | | | | |
| 9/6/2016 | | | | | 16 | | 19 | | |
| 9/7/2016 | | | | | | | | 17 | |
| 12/6/2016 | | 10 | 11 | | | 3.1 | | | |
| 12/7/2016 | | | | 20 (O) | 14 | | 20 | | 41 |
| 12/8/2016 | | | | | | | | 19 | |
| 3/28/2017 | 3.6 | | | | | | | | |
| 3/29/2017 | | 11 | 12 | 13 | | 3.8 | | | 42 |
| 3/30/2017 | | | | | 16 | | 21 | 20 | |
| 5/11/2017 | | | | | | | | | |
| 5/12/2017 | 3.8 | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 6/16/2017 | 3.4 | | | | | | | | |
| 7/11/2017 | 3.1 | | | | | | | | |
| 7/12/2017 | | 11 | 11 | 12 | 14 | 2.9 | 21 | 18 | 41 |
| 10/24/2017 | 3.2 | 11 | 12 | | | | | | |
| 10/25/2017 | | | | 13 | | 3.5 | 21 | 19 | 41 |
| 11/15/2017 | 3.1 | 12 | | | 16 | | | | |
| 2/27/2018 | 3.2 | 10.8 | 12.7 | 11.7 | | 3.4 | | | |
| 2/28/2018 | | | | | 2.7 | | 20.1 | 17 | 36.4 |
| 7/11/2018 | | | | 11.3 | | 3.2 | 21.4 | 19.5 | 38.2 |
| 11/6/2018 | 2.6 | 12.3 | 15.2 | | | | | | |
| 11/7/2018 | | | | 11.8 | 16.7 | 3.1 | 22.4 | 21.4 | 38.8 |
| 3/12/2019 | 3.3 | 12.1 | 14.5 | 12.1 | | | | | |
| 3/13/2019 | | | | | 12.4 | 3.4 | | 19.9 | 40.1 |
| 3/14/2019 | | | | | | | 24 | | |
| 10/15/2019 | 3.3 | 9.4 | 15.6 | 11.6 | | | | | |
| 10/16/2019 | | | | | 17.4 | 3.5 | | | 33.2 |
| 10/17/2019 | | | | | | | 22 | | |
| 10/18/2019 | | | | | | | | 22 | |
| 3/2/2020 | 3 | | 15 | 8.9 | | | | | |
| 3/3/2020 | | 8.4 | | | 9.4 | 4.1 | 22.7 | | 30.9 |
| 3/4/2020 | | | | | | | | 19.6 | |
| 9/22/2020 | 5.2 | | 16 | 10.8 | | 3.2 | | | 27.6 |
| 9/23/2020 | | | | | 12.6 | | 22.4 | | |
| 9/24/2020 | | 5.9 | | | | | | 22.7 | |
| 3/1/2021 | 3.9 | | | | | | | | |
| 3/2/2021 | | | 14.4 | | 13.1 | 3.5 | 22.8 | | 27 |
| 3/3/2021 | | | | 10.3 | | | | 20.9 | |
| 3/4/2021 | | 7.2 | | | | | | | |
| 9/8/2021 | 5.9 | | | | | | | | |
| 9/9/2021 | | | 13.6 | 8.5 | 12.9 | 3.3 | 21.9 | | 25.4 |
| 9/10/2021 | | 8.2 | | | | | | | |
| 9/13/2021 | | | | | | | | 18.2 | |
| 1/18/2022 | 5.9 | | | | | | | | |
| 1/20/2022 | | | | | | | | | |
| 1/21/2022 | | | | | | | | | |
| 1/24/2022 | | | | | | | 21.5 | 19.2 | |
| 1/25/2022 | | | 14.1 | 8.1 | 14.3 | 3.7 | | | 23.7 |
| 1/26/2022 | | 9 | | | | | | | |

Time Series

Constituent: Chloride (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|------------|--------|---------|---------|
| 8/31/2016 | | | |
| 9/1/2016 | | | |
| 9/2/2016 | | 15 | 25 |
| 9/6/2016 | | | |
| 9/7/2016 | | | |
| 12/6/2016 | | | |
| 12/7/2016 | | 16 | |
| 12/8/2016 | | | 24 |
| 3/28/2017 | | | |
| 3/29/2017 | | 17 | |
| 3/30/2017 | 4.8 | | 24 |
| 5/11/2017 | 4.4 | | |
| 5/12/2017 | | | |
| 6/15/2017 | 4.8 | | |
| 6/16/2017 | | | |
| 7/11/2017 | 4.6 | | |
| 7/12/2017 | | 18 | 23 |
| 10/24/2017 | 4.4 | | |
| 10/25/2017 | | 20 | 23 |
| 11/15/2017 | | | |
| 2/27/2018 | 4.1 | | |
| 2/28/2018 | | 18.6 | 19.9 |
| 7/11/2018 | 3.3 | 20.4 | 20.9 |
| 11/6/2018 | 3.7 | | |
| 11/7/2018 | | 21.5 | 20.5 |
| 3/12/2019 | 3.1 | | |
| 3/13/2019 | | 24.8 | 21.3 |
| 3/14/2019 | | | |
| 10/15/2019 | | | |
| 10/16/2019 | | | |
| 10/17/2019 | 2.8 | 24.9 | 20.1 |
| 10/18/2019 | | | |
| 3/2/2020 | | | |
| 3/3/2020 | 2.3 | | 19.7 |
| 3/4/2020 | | 27.8 | |
| 9/22/2020 | | 25.8 | |
| 9/23/2020 | 2.1 | | |
| 9/24/2020 | | | 20 |
| 3/1/2021 | | | |
| 3/2/2021 | 2.1 | 28 | |
| 3/3/2021 | | | 19.7 |
| 3/4/2021 | | | |
| 9/8/2021 | | | |
| 9/9/2021 | 2.1 | | 20.2 |
| 9/10/2021 | | 26.2 | |
| 9/13/2021 | | | |
| 1/18/2022 | | | |
| 1/20/2022 | 2 | | 18.6 |
| 1/21/2022 | | 27 | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | | | |

Time Series

Constituent: Chloride (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|-----------|--------|---------|---------|
| 9/7/2022 | | | |
| 9/13/2022 | | | |
| 9/14/2022 | | | |
| 9/15/2022 | | 26.2 | 17.6 |
| 9/20/2022 | 2 | | |
| 1/31/2023 | | | |
| 2/1/2023 | | | |
| 2/2/2023 | | | |
| 2/6/2023 | 2.1 | | |
| 2/7/2023 | | 27.9 | 18.6 |
| 9/6/2023 | | | |
| 9/8/2023 | | | |
| 9/11/2023 | | 26.9 | 17.8 |
| 9/13/2023 | 1.9 | | |

Time Series

Constituent: Chloride (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

8/30/2016
8/31/2016
9/1/2016
9/2/2016
9/7/2016
12/6/2016
12/8/2016
3/28/2017
3/29/2017
3/30/2017
3/31/2017
5/12/2017
6/15/2017
7/11/2017
7/12/2017
7/13/2017
10/24/2017
10/25/2017
10/26/2017
11/15/2017
2/27/2018
2/28/2018
3/1/2018
3/2/2018
7/11/2018
7/12/2018
11/6/2018
11/7/2018
11/8/2018
3/12/2019
3/14/2019
10/15/2019
10/16/2019
10/17/2019
10/18/2019
3/2/2020
3/3/2020
3/4/2020
9/22/2020
9/23/2020
9/24/2020
3/1/2021
3/2/2021
3/3/2021
9/9/2021
9/10/2021
9/13/2021
1/20/2022
1/21/2022
1/24/2022
1/25/2022
1/26/2022

Time Series

Constituent: Chloride (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

| | |
|-----------|-----|
| 9/13/2022 | |
| 9/14/2022 | |
| 9/15/2022 | |
| 9/16/2022 | |
| 9/19/2022 | |
| 9/20/2022 | |
| 2/1/2023 | |
| 2/3/2023 | |
| 2/6/2023 | |
| 2/7/2023 | |
| 3/21/2023 | 7.2 |
| 4/10/2023 | 7.4 |
| 9/11/2023 | |
| 9/12/2023 | |
| 9/13/2023 | |
| 9/14/2023 | 5.9 |

Time Series

Constituent: Chromium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-100 | B-101D | B-102D | B-104D | B-106D | B-107D | B-108D | B-111D | B-120D |
|------------|-------------|------------|--------|------------|------------|--------|--------|--------|--------|
| 1/30/2019 | | | | | | | | | |
| 9/11/2019 | | | | | | | | | |
| 10/21/2019 | | | | | | | | | |
| 8/13/2020 | | | | | | | | | |
| 8/17/2020 | <0.005 | | | | | | | | |
| 9/24/2020 | | | | | | | | | |
| 9/25/2020 | 0.00094 (J) | | | | | | | | |
| 9/28/2020 | | | | | | | | | |
| 12/9/2020 | | | | 0.0011 (J) | | <0.005 | <0.005 | <0.005 | |
| 12/17/2020 | | | <0.005 | | <0.005 | | | | |
| 1/11/2021 | | | <0.005 | | | | | | |
| 1/12/2021 | | <0.005 | | <0.005 | | | | <0.005 | |
| 3/3/2021 | | | | | | | | | |
| 3/4/2021 | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | | |
| 3/5/2021 | | <0.005 | | | | | | <0.005 | |
| 3/8/2021 | 0.00057 (J) | | | | | | | | |
| 3/12/2021 | | | | | | | | | |
| 4/15/2021 | | | | | | | | | <0.005 |
| 9/9/2021 | | | | | | | | | |
| 9/10/2021 | | | <0.005 | | | | | | |
| 9/13/2021 | <0.005 | 0.0014 (J) | | | <0.005 | <0.005 | | | |
| 9/14/2021 | | | | <0.005 | | | <0.005 | <0.005 | <0.005 |
| 1/20/2022 | | | | | | | | | <0.005 |
| 1/21/2022 | <0.005 | | | | | | | | |
| 1/24/2022 | | | | <0.005 | | <0.005 | <0.005 | <0.005 | |
| 1/25/2022 | | | | | <0.005 | | | | |
| 1/26/2022 | | <0.005 | | | | | | | |
| 1/27/2022 | | | <0.005 | | | | | | |
| 6/6/2022 | | | | | | | | | |
| 9/8/2022 | <0.005 | | | | | | | | |
| 9/13/2022 | | | | <0.005 | | | | | |
| 9/14/2022 | | | | | | <0.005 | | <0.005 | |
| 9/15/2022 | | | <0.005 | | | | <0.005 | | |
| 9/16/2022 | | <0.005 | | | <0.005 | | | | |
| 9/19/2022 | | | | | | | | | <0.005 |
| 2/2/2023 | <0.005 | | <0.005 | | | | | | |
| 2/3/2023 | | <0.005 | | <0.005 | | | | | <0.005 |
| 2/6/2023 | | | | | | <0.005 | | | |
| 2/7/2023 | | | | | 0.0013 (J) | | <0.005 | <0.005 | |
| 9/6/2023 | <0.005 | | | | | | | | |
| 9/7/2023 | | | | | | | | | |
| 9/8/2023 | | <0.005 | | | | | | | |
| 9/11/2023 | | | <0.005 | | <0.005 | | | | |
| 9/12/2023 | | | | | | <0.005 | | | <0.005 |
| 9/13/2023 | | | | <0.005 | | | <0.005 | <0.005 | |

Time Series

Constituent: Chromium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-122D | B-56 | B-62 |
|------------|--------|-------------|-------------|
| 1/30/2019 | | | <0.005 |
| 9/11/2019 | | | <0.005 |
| 10/21/2019 | | | 0.00098 (J) |
| 8/13/2020 | | | <0.005 |
| 8/17/2020 | | 0.0014 (J) | |
| 9/24/2020 | | | <0.005 |
| 9/25/2020 | | | |
| 9/28/2020 | | <0.005 | |
| 12/9/2020 | | | |
| 12/17/2020 | | | |
| 1/11/2021 | | | |
| 1/12/2021 | | | |
| 3/3/2021 | | 0.00059 (J) | |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/8/2021 | | | |
| 3/12/2021 | | | <0.005 |
| 4/15/2021 | | | |
| 9/9/2021 | | | <0.005 |
| 9/10/2021 | | | |
| 9/13/2021 | | <0.005 | |
| 9/14/2021 | | | |
| 1/20/2022 | | | <0.005 |
| 1/21/2022 | | | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | | | |
| 1/27/2022 | | 0.0014 (J) | |
| 6/6/2022 | <0.005 | | |
| 9/8/2022 | | | <0.005 |
| 9/13/2022 | | | |
| 9/14/2022 | | | |
| 9/15/2022 | | | |
| 9/16/2022 | | <0.005 | |
| 9/19/2022 | | | |
| 2/2/2023 | | | <0.005 |
| 2/3/2023 | | | |
| 2/6/2023 | <0.005 | | |
| 2/7/2023 | | <0.005 | |
| 9/6/2023 | | | |
| 9/7/2023 | <0.005 | | <0.005 |
| 9/8/2023 | | <0.005 | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |
| 9/13/2023 | | | |

Time Series

Constituent: Chromium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|------------|-------------|--------|-------------|------------|------------|-------------|--------|-------------|--------|
| 3/28/2017 | | | | | | | | | |
| 5/11/2017 | | | | | | | | | |
| 5/15/2017 | | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 7/11/2017 | | | | | | | | | |
| 7/12/2017 | | | | | | | | | |
| 8/8/2017 | | | | | | | | | |
| 10/24/2017 | | | | | | | | | |
| 2/27/2018 | | | | | | | | | |
| 3/8/2018 | | | | | | | | | |
| 7/12/2018 | | | | | | | | | |
| 11/6/2018 | | | | | | | | | |
| 11/7/2018 | | | | | | | | | |
| 1/28/2019 | <0.005 | | | | | | | | |
| 1/30/2019 | | <0.005 | | | | | | | |
| 8/27/2019 | | | | | | | | | |
| 8/28/2019 | | | | | | | | | |
| 9/11/2019 | <0.005 | | | | | | | | |
| 9/12/2019 | | <0.005 | | | | | | | |
| 9/18/2019 | | | 0.00068 (J) | | | | | | |
| 9/23/2019 | | | | 0.0011 (J) | | | | | |
| 10/15/2019 | | | | | | | | | |
| 10/16/2019 | | | | | | | | | |
| 10/21/2019 | | <0.005 | | <0.005 | 0.0017 (J) | | | | |
| 10/22/2019 | 0.00064 (J) | | | | | | | | |
| 10/24/2019 | | | <0.005 | | | | | | |
| 3/2/2020 | | | | | | | | | |
| 3/9/2020 | | | | | | | | | |
| 8/11/2020 | | | | | | | | | |
| 8/13/2020 | | | 0.0021 (J) | | | | | | |
| 8/14/2020 | | | | | 0.005 (J) | | | | |
| 8/17/2020 | | | | <0.005 | | 0.0014 (J) | | | |
| 8/19/2020 | | | | | | | | 0.00057 (J) | |
| 9/22/2020 | | | | | | | | | |
| 9/24/2020 | | | 0.0007 (J) | | | | | | |
| 9/25/2020 | | | | | 0.0051 (J) | 0.00085 (J) | | | |
| 9/28/2020 | | | | <0.005 | | | | 0.00066 (J) | |
| 3/1/2021 | | | | | | | | | |
| 3/4/2021 | | | 0.00098 (J) | | 0.0049 (J) | | | | |
| 3/5/2021 | | | | | | 0.0017 (J) | | | |
| 3/9/2021 | | | | | | | | <0.005 | |
| 3/12/2021 | | | | | | | | | |
| 9/9/2021 | | | | | | | | | |
| 9/13/2021 | | | | | | <0.005 | | | |
| 9/14/2021 | <0.005 | <0.005 | <0.005 | <0.005 | | | | | |
| 9/15/2021 | | | | | | | <0.005 | <0.005 | <0.005 |
| 9/16/2021 | | | | | 0.003 (J) | | | | |
| 1/18/2022 | | | | | | | | | |
| 1/20/2022 | <0.005 | | <0.005 | | | | | | |
| 1/21/2022 | | | | | 0.0034 (J) | | | | |
| 1/25/2022 | | <0.005 | | <0.005 | | | | | |
| 1/26/2022 | | | | | | | <0.005 | 0.0011 (J) | <0.005 |

Time Series

Constituent: Chromium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|-----------|------------|--------|--------|------------|------------|--------|--------|--------|--------|
| 1/27/2022 | | | | | | <0.005 | | | |
| 1/28/2022 | | | | | | | | | |
| 9/7/2022 | | | | | | | | | |
| 9/8/2022 | | | | | | | | | |
| 9/12/2022 | | | | | | | <0.005 | <0.005 | |
| 9/13/2022 | | | <0.005 | | 0.0022 (J) | | | | <0.005 |
| 9/14/2022 | <0.005 | | | | | | | | |
| 9/16/2022 | | <0.005 | | <0.005 | | <0.005 | | | |
| 1/31/2023 | | | | | | | <0.005 | <0.005 | |
| 2/1/2023 | | | | | | | | | <0.005 |
| 2/2/2023 | <0.005 | | | | | | | | |
| 2/3/2023 | | | | | 0.0026 (J) | | | | |
| 2/6/2023 | | | <0.005 | | | | | | |
| 2/7/2023 | | <0.005 | | 0.0013 (J) | | <0.005 | | | |
| 9/6/2023 | | | | | | | <0.005 | <0.005 | <0.005 |
| 9/7/2023 | 0.0013 (J) | | | | | | | | |
| 9/11/2023 | | <0.005 | | <0.005 | | | | | |
| 9/12/2023 | | | <0.005 | | 0.0022 (J) | <0.005 | | | |

Time Series

Constituent: Chromium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|------------|------------|--------------|---------------|
| 3/28/2017 | | <0.005 | 0.0008 (J) |
| 5/11/2017 | | <0.005 | |
| 5/15/2017 | | | 0.0006 (J) |
| 6/15/2017 | | <0.005 | 0.0006 (J) |
| 7/11/2017 | | | 0.0005 (J) |
| 7/12/2017 | | <0.005 | |
| 8/8/2017 | | | 0.0005 (J) |
| 10/24/2017 | | <0.005 | 0.0005 (J) |
| 2/27/2018 | | | <0.005 |
| 3/8/2018 | | <0.005 | |
| 7/12/2018 | | <0.005 | |
| 11/6/2018 | | | <0.005 |
| 11/7/2018 | | <0.005 | |
| 1/28/2019 | | | |
| 1/30/2019 | | | |
| 8/27/2019 | | | 0.00071 (J) |
| 8/28/2019 | | <0.005 | |
| 9/11/2019 | | | |
| 9/12/2019 | | | |
| 9/18/2019 | | | |
| 9/23/2019 | | | |
| 10/15/2019 | | | 0.034 (O) |
| 10/16/2019 | | <0.005 | |
| 10/21/2019 | | | |
| 10/22/2019 | | | |
| 10/24/2019 | | | |
| 3/2/2020 | | | 0.0013 (J) |
| 3/9/2020 | | <0.005 | |
| 8/11/2020 | | | 0.0016 (J) |
| 8/13/2020 | | <0.005 | |
| 8/14/2020 | | | |
| 8/17/2020 | | | |
| 8/19/2020 | | | |
| 9/22/2020 | | <0.005 | 0.00089 (J) |
| 9/24/2020 | | | |
| 9/25/2020 | | | |
| 9/28/2020 | | | |
| 3/1/2021 | | | <0.005 |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/9/2021 | | | |
| 3/12/2021 | | <0.005 | |
| 9/9/2021 | | <0.005 | <0.005 |
| 9/13/2021 | | | |
| 9/14/2021 | | | |
| 9/15/2021 | <0.005 | | |
| 9/16/2021 | | | |
| 1/18/2022 | | | <0.005 |
| 1/20/2022 | | | |
| 1/21/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | 0.0013 (J) | | |

Time Series

Constituent: Chromium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|-----------|------------|--------------|---------------|
| 1/27/2022 | | | |
| 1/28/2022 | | <0.005 | |
| 9/7/2022 | | | <0.005 |
| 9/8/2022 | | <0.005 | |
| 9/12/2022 | | | |
| 9/13/2022 | <0.005 | | |
| 9/14/2022 | | | |
| 9/16/2022 | | | |
| 1/31/2023 | 0.0014 (J) | | <0.005 |
| 2/1/2023 | | <0.005 | |
| 2/2/2023 | | | |
| 2/3/2023 | | | |
| 2/6/2023 | | | |
| 2/7/2023 | | | |
| 9/6/2023 | <0.005 | | <0.005 |
| 9/7/2023 | | <0.005 | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |

Time Series

Constituent: Chromium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWA-71 (bg) | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 |
|------------|--------------|-------------|-------------|-------------|-------------|---------|-------------|------------|------------|
| 8/31/2016 | | <0.005 | <0.005 | | | <0.005 | | | |
| 9/1/2016 | | | | <0.005 | | | | | 0.0031 (J) |
| 9/2/2016 | | | | | | | | | |
| 9/6/2016 | | | | | <0.005 | | <0.005 | | |
| 9/7/2016 | | | | | | | | 0.0026 (J) | |
| 12/6/2016 | | <0.005 | <0.005 | | | <0.005 | | | |
| 12/7/2016 | | | | <0.005 | <0.005 | | <0.005 | | <0.01 |
| 12/8/2016 | | | | | | | | 0.0025 (J) | |
| 3/28/2017 | 0.0023 (J) | | | | | | | | |
| 3/29/2017 | | 0.0008 (J) | <0.005 | <0.005 | | <0.005 | | | 0.0025 (J) |
| 3/30/2017 | | | | | 0.0009 (J) | | 0.0005 (J) | 0.0026 (J) | |
| 5/11/2017 | | | | | | | | | |
| 5/12/2017 | 0.0004 (J) | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 6/16/2017 | 0.0005 (J) | | | | | | | | |
| 7/11/2017 | <0.005 | | | | | | | | |
| 7/12/2017 | | 0.0006 (J) | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0022 (J) | 0.0023 (J) |
| 10/24/2017 | <0.005 | 0.0007 (J) | <0.005 | | | | | | |
| 10/25/2017 | | | | <0.005 | | <0.005 | <0.005 | 0.0024 (J) | 0.0024 (J) |
| 11/15/2017 | | | | | <0.005 | | | | |
| 2/27/2018 | <0.005 | <0.005 | <0.005 | <0.005 | | <0.005 | | | |
| 2/28/2018 | | | | | <0.005 | | <0.005 | <0.01 | <0.01 |
| 7/11/2018 | | | | <0.005 | | <0.005 | <0.005 | 0.0024 (J) | 0.0022 (J) |
| 11/6/2018 | <0.005 | <0.005 | <0.005 | | | | | | |
| 11/7/2018 | | | | <0.005 | <0.005 | <0.005 | <0.01 (J) | <0.01 | <0.01 (J) |
| 8/27/2019 | 0.0018 (J) | 0.00083 (J) | 0.0006 (J) | <0.005 | | <0.005 | | 0.0031 (J) | |
| 8/28/2019 | | | | | <0.005 | | <0.005 | | 0.0028 (J) |
| 8/29/2019 | | | | <0.005 | | | | | |
| 9/17/2019 | | | | <0.005 | | | | | |
| 10/15/2019 | 0.0025 (J) | 0.00078 (J) | <0.005 | <0.005 | | | | | |
| 10/16/2019 | | | | | <0.005 | <0.005 | | | 0.0024 (J) |
| 10/17/2019 | | | | | | | 0.00058 (J) | | |
| 10/18/2019 | | | | | | | | 0.0027 (J) | |
| 3/2/2020 | 0.00045 (J) | | 0.0006 (J) | <0.005 | | | | | |
| 3/3/2020 | | 0.00092 (J) | | | 0.00066 (J) | <0.005 | 0.00046 (J) | | 0.0028 (J) |
| 3/4/2020 | | | | | | | | 0.0035 (J) | |
| 8/11/2020 | 0.0006 (J) | 0.00097 (J) | 0.00061 (J) | 0.00094 (J) | | <0.005 | | | 0.0024 (J) |
| 8/12/2020 | | | | | 0.00074 (J) | | | | |
| 8/13/2020 | | | | | | | 0.0048 (J) | | |
| 8/14/2020 | | | | | | | | 0.0033 (J) | |
| 9/22/2020 | <0.005 | | 0.00058 (J) | <0.005 | | <0.005 | | | 0.003 (J) |
| 9/23/2020 | | | | | 0.00059 (J) | | <0.005 | | |
| 9/24/2020 | | 0.001 (J) | | | | | | 0.0029 (J) | |
| 3/1/2021 | <0.005 | | | | | | | | |
| 3/2/2021 | | | <0.005 | | <0.005 | <0.005 | <0.005 | | 0.0024 (J) |
| 3/3/2021 | | | | 0.00099 (J) | | | | 0.0028 (J) | |
| 3/4/2021 | | 0.0009 (J) | | | | | | | |
| 9/8/2021 | <0.005 | | | | | | | | |
| 9/9/2021 | | | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | | 0.003 (J) |
| 9/10/2021 | | <0.005 | | | | | | | |
| 9/13/2021 | | | | | | | | 0.0027 (J) | |
| 1/18/2022 | <0.005 | | | | | | | | |

Time Series

Constituent: Chromium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWA-71 (bg) | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 |
|-----------|--------------|------------|---------|---------|---------|---------|---------|------------|------------|
| 1/20/2022 | | | | | | | | | |
| 1/21/2022 | | | | | | | | | |
| 1/24/2022 | | | | | | | <0.005 | 0.0029 (J) | |
| 1/25/2022 | | | <0.005 | <0.005 | <0.005 | <0.005 | | | 0.0029 (J) |
| 1/26/2022 | | 0.0011 (J) | | | | | | | |
| 9/7/2022 | <0.005 | | | | | | | | |
| 9/13/2022 | | | | | | <0.005 | <0.005 | | |
| 9/14/2022 | | | | | | | | 0.0023 (J) | 0.0024 (J) |
| 9/15/2022 | | <0.005 | <0.005 | <0.005 | <0.005 | | | | |
| 9/20/2022 | | | | | | | | | |
| 1/31/2023 | <0.005 | | | | | | | | |
| 2/1/2023 | | | | | <0.005 | <0.005 | | | |
| 2/2/2023 | | 0.0013 (J) | | | | | <0.005 | | |
| 2/6/2023 | | | <0.005 | <0.005 | | | | 0.0026 (J) | 0.0022 (J) |
| 2/7/2023 | | | | | | | | | |
| 9/6/2023 | <0.005 | | | | | | | | |
| 9/8/2023 | | | <0.005 | | <0.005 | <0.005 | <0.005 | | 0.0021 (J) |
| 9/11/2023 | | 0.0016 (J) | | <0.005 | | | | | |
| 9/13/2023 | | | | | | | | 0.0027 (J) | |

Time Series

Constituent: Chromium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|------------|-------------|------------|-------------|
| 8/31/2016 | | | |
| 9/1/2016 | | | |
| 9/2/2016 | | 0.0017 (J) | <0.005 |
| 9/6/2016 | | | |
| 9/7/2016 | | | |
| 12/6/2016 | | | |
| 12/7/2016 | | <0.005 | |
| 12/8/2016 | | | <0.005 |
| 3/28/2017 | | | |
| 3/29/2017 | | 0.0016 (J) | |
| 3/30/2017 | 0.0005 (J) | | 0.0005 (J) |
| 5/11/2017 | 0.0005 (J) | | |
| 5/12/2017 | | | |
| 6/15/2017 | <0.005 | | |
| 6/16/2017 | | | |
| 7/11/2017 | <0.005 | | |
| 7/12/2017 | | <0.005 | 0.0006 (J) |
| 10/24/2017 | <0.005 | | |
| 10/25/2017 | | 0.0015 (J) | <0.005 |
| 11/15/2017 | | | |
| 2/27/2018 | <0.005 | | |
| 2/28/2018 | | <0.005 | <0.005 |
| 7/11/2018 | <0.005 | <0.005 | <0.005 |
| 11/6/2018 | <0.005 | | |
| 11/7/2018 | | <0.01 (J) | <0.005 |
| 8/27/2019 | 0.0004 (J) | | |
| 8/28/2019 | | | |
| 8/29/2019 | | 0.0017 (J) | 0.00041 (J) |
| 9/17/2019 | | | |
| 10/15/2019 | | | |
| 10/16/2019 | | | |
| 10/17/2019 | 0.00046 (J) | 0.0015 (J) | <0.005 |
| 10/18/2019 | | | |
| 3/2/2020 | | | |
| 3/3/2020 | <0.005 | | 0.00048 (J) |
| 3/4/2020 | | 0.0032 (J) | |
| 8/11/2020 | 0.00067 (J) | | |
| 8/12/2020 | | | |
| 8/13/2020 | | 0.0023 (J) | |
| 8/14/2020 | | | <0.005 |
| 9/22/2020 | | 0.0013 (J) | |
| 9/23/2020 | <0.005 | | |
| 9/24/2020 | | | 0.00096 (J) |
| 3/1/2021 | | | |
| 3/2/2021 | 0.00064 (J) | 0.0022 (J) | |
| 3/3/2021 | | | 0.002 (J) |
| 3/4/2021 | | | |
| 9/8/2021 | | | |
| 9/9/2021 | <0.005 | | <0.005 |
| 9/10/2021 | | <0.005 | |
| 9/13/2021 | | | |
| 1/18/2022 | | | |

Time Series

Constituent: Chromium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|-----------|--------|------------|---------|
| 1/20/2022 | <0.005 | | <0.005 |
| 1/21/2022 | | 0.0021 (J) | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | | | |
| 9/7/2022 | | | |
| 9/13/2022 | | | |
| 9/14/2022 | | | |
| 9/15/2022 | | 0.0014 (J) | <0.005 |
| 9/20/2022 | <0.005 | | |
| 1/31/2023 | | | |
| 2/1/2023 | | | |
| 2/2/2023 | | | |
| 2/6/2023 | <0.005 | | |
| 2/7/2023 | | 0.0023 (J) | <0.005 |
| 9/6/2023 | | | |
| 9/8/2023 | | | |
| 9/11/2023 | | 0.0026 (J) | <0.005 |
| 9/13/2023 | <0.005 | | |

Time Series

Constituent: Chromium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-22 | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 | DGWC-48 | DGWC-5 | DGWC-8 | DGWC-9 |
|------------|------------|-------------|------------|-------------|------------|------------|-------------|-------------|-------------|
| 8/30/2016 | | | | | | | | <0.005 | <0.005 |
| 8/31/2016 | | | | | | | <0.005 | | |
| 9/1/2016 | | | | | <0.005 | <0.005 | | | |
| 9/2/2016 | 0.0012 (J) | | | | | | | | |
| 9/7/2016 | | | | <0.005 | | | | | |
| 12/6/2016 | | | | | | | <0.005 | <0.005 | <0.005 |
| 12/8/2016 | <0.005 | | | <0.005 | <0.005 | <0.005 | | | |
| 3/28/2017 | | | 0.0005 (J) | | | | <0.005 | | 0.001 (J) |
| 3/29/2017 | <0.005 | | | | | | | 0.0004 (J) | |
| 3/30/2017 | | 0.0012 (J) | | | | <0.005 | | | |
| 3/31/2017 | | | | 0.001 (J) | 0.0007 (J) | | | | |
| 5/12/2017 | | 0.0004 (J) | <0.005 | | | | | | |
| 6/15/2017 | | 0.0005 (J) | <0.005 | | | | | | |
| 7/11/2017 | | | <0.005 | | | | <0.005 | <0.005 | <0.005 |
| 7/12/2017 | | 0.0007 (J) | | | | | | | |
| 7/13/2017 | <0.005 | | | 0.0008 (J) | <0.005 | 0.0007 (J) | | | |
| 10/24/2017 | | | <0.005 | | | | | <0.005 | <0.005 |
| 10/25/2017 | <0.005 | | | 0.0005 (J) | | | <0.005 | | |
| 10/26/2017 | | 0.0007 (J) | | | <0.005 | <0.005 | | | |
| 2/27/2018 | | | <0.005 | | | | <0.005 | <0.005 | <0.005 |
| 2/28/2018 | <0.005 | | | <0.005 | | | | | |
| 3/1/2018 | | <0.005 | | | <0.005 | | | | |
| 3/2/2018 | | | | | | <0.005 | | | |
| 7/11/2018 | | | | <0.005 | | | | | <0.005 |
| 7/12/2018 | <0.005 | <0.005 | | | <0.005 | <0.005 | | | |
| 11/6/2018 | | | <0.005 | | | | <0.005 | <0.005 | <0.005 |
| 11/7/2018 | <0.005 | | | <0.005 | <0.005 | <0.005 | | | |
| 11/8/2018 | | <0.005 | | | | | | | |
| 8/27/2019 | | | <0.005 | | | | <0.005 | | 0.00048 (J) |
| 8/28/2019 | | | | <0.005 | | | | <0.005 | |
| 8/29/2019 | <0.005 | <0.005 | | | <0.005 | <0.005 | | | |
| 10/15/2019 | | | <0.005 | | | | | | |
| 10/16/2019 | | | | | | | <0.005 | 0.0013 (J) | |
| 10/17/2019 | | | | 0.00041 (J) | <0.005 | | | | 0.00051 (J) |
| 10/18/2019 | <0.005 | 0.00041 (J) | | | | <0.005 | | | |
| 3/2/2020 | | | <0.005 | | | | 0.00045 (J) | | |
| 3/3/2020 | <0.005 | | | | | | | 0.00061 (J) | 0.0057 (J) |
| 3/4/2020 | | 0.00081 (J) | | 0.00042 (J) | <0.005 | 0.0004 (J) | | | |
| 8/11/2020 | | | | | | | | | 0.00061 (J) |
| 8/12/2020 | | | <0.005 | | <0.005 | | <0.005 | 0.0028 (J) | |
| 8/13/2020 | | 0.00085 (J) | | 0.0021 (J) | | <0.005 | | | |
| 8/14/2020 | <0.005 | | | | | | | | |
| 9/22/2020 | | | <0.005 | 0.001 (J) | | | <0.005 | | <0.005 |
| 9/23/2020 | | | | | <0.005 | <0.005 | | 0.00086 (J) | |
| 9/24/2020 | <0.005 | 0.00084 (J) | | | | | | | |
| 3/1/2021 | | | <0.005 | | | | | | |
| 3/2/2021 | | | | | | | <0.005 | 0.0015 (J) | 0.00059 (J) |
| 3/3/2021 | <0.005 | 0.0014 (J) | | <0.005 | <0.005 | <0.005 | | | |
| 9/9/2021 | | <0.005 | | | | | | | |
| 9/10/2021 | <0.005 | | <0.005 | | <0.005 | <0.005 | <0.005 | | <0.005 |
| 9/13/2021 | | | | <0.005 | | | | <0.005 | |
| 1/20/2022 | <0.005 | <0.005 | | <0.005 | | | | | |

Time Series

Constituent: Chromium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-22 | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 | DGWC-48 | DGWC-5 | DGWC-8 | DGWC-9 |
|-----------|---------|---------|--------|---------|---------|---------|--------|--------|------------|
| 1/21/2022 | | | | | <0.005 | | | | |
| 1/24/2022 | | | <0.005 | | | <0.005 | <0.005 | | |
| 1/25/2022 | | | | | | | | <0.005 | |
| 1/26/2022 | | | | | | | | | 0.0029 (J) |
| 9/13/2022 | | | | <0.005 | <0.005 | <0.005 | | | |
| 9/14/2022 | | | | | | | <0.005 | | |
| 9/15/2022 | | | | | | | | <0.005 | |
| 9/16/2022 | <0.005 | | | | | | | | |
| 9/19/2022 | | | <0.005 | | | | | | <0.005 |
| 9/20/2022 | | <0.005 | | | | | | | |
| 2/1/2023 | | | | <0.005 | | | | | |
| 2/3/2023 | | | <0.005 | | <0.005 | <0.005 | | | 0.0013 (J) |
| 2/6/2023 | <0.005 | <0.005 | | | | | | | |
| 2/7/2023 | | | | | | | <0.005 | <0.005 | |
| 9/11/2023 | <0.005 | <0.005 | | | | | | | |
| 9/12/2023 | | | | | <0.005 | | | <0.005 | |
| 9/13/2023 | | | <0.005 | <0.005 | | <0.005 | <0.005 | | |
| 9/14/2023 | | | | | | | | | |

Time Series

Constituent: Chromium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

8/30/2016
8/31/2016
9/1/2016
9/2/2016
9/7/2016
12/6/2016
12/8/2016
3/28/2017
3/29/2017
3/30/2017
3/31/2017
5/12/2017
6/15/2017
7/11/2017
7/12/2017
7/13/2017
10/24/2017
10/25/2017
10/26/2017
2/27/2018
2/28/2018
3/1/2018
3/2/2018
7/11/2018
7/12/2018
11/6/2018
11/7/2018
11/8/2018
8/27/2019
8/28/2019
8/29/2019
10/15/2019
10/16/2019
10/17/2019
10/18/2019
3/2/2020
3/3/2020
3/4/2020
8/11/2020
8/12/2020
8/13/2020
8/14/2020
9/22/2020
9/23/2020
9/24/2020
3/1/2021
3/2/2021
3/3/2021
9/9/2021
9/10/2021
9/13/2021
1/20/2022

Time Series

Constituent: Chromium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

| | |
|-----------|--------|
| 1/21/2022 | |
| 1/24/2022 | |
| 1/25/2022 | |
| 1/26/2022 | |
| 9/13/2022 | |
| 9/14/2022 | |
| 9/15/2022 | |
| 9/16/2022 | |
| 9/19/2022 | |
| 9/20/2022 | |
| 2/1/2023 | |
| 2/3/2023 | |
| 2/6/2023 | |
| 2/7/2023 | |
| 9/11/2023 | |
| 9/12/2023 | |
| 9/13/2023 | |
| 9/14/2023 | <0.005 |

Time Series

Constituent: Cobalt (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-100 | B-101D | B-102D | B-104D | B-106D | B-107D | B-108D | B-111D | B-120D |
|------------|--------|------------|--------|--------|-------------|-------------|-------------|-------------|------------|
| 1/30/2019 | | | | | | | | | |
| 9/11/2019 | | | | | | | | | |
| 10/21/2019 | | | | | | | | | |
| 7/23/2020 | 0.086 | | | | | | | | |
| 8/3/2020 | 0.087 | | | | | | | | |
| 8/13/2020 | | | | | | | | | |
| 8/17/2020 | 0.077 | | | | | | | | |
| 9/24/2020 | | | | | | | | | |
| 9/25/2020 | 0.034 | | | | | | | | |
| 9/28/2020 | | | | | | | | | |
| 12/9/2020 | | | | 0.17 | | 0.0017 (J) | 0.0048 (J) | 0.00076 (J) | |
| 12/17/2020 | | | 0.014 | | 0.00087 (J) | | | | |
| 1/11/2021 | | | 0.015 | | | | | | |
| 1/12/2021 | | 0.0034 (J) | | 0.19 | | | | 0.0007 (J) | |
| 3/3/2021 | | | | | | | | | |
| 3/4/2021 | | | 0.014 | 0.19 | 0.0007 (J) | 0.0012 (J) | 0.0017 (J) | | |
| 3/5/2021 | | 0.0023 (J) | | | | | | 0.00052 (J) | |
| 3/8/2021 | 0.029 | | | | | | | | |
| 3/12/2021 | | | | | | | | | |
| 4/15/2021 | | | | | | | | | 0.017 |
| 9/9/2021 | | | | | | | | | |
| 9/10/2021 | | | 0.013 | | | | | | |
| 9/13/2021 | 0.035 | 0.003 (J) | | | 0.00056 (J) | 0.00083 (J) | | | |
| 9/14/2021 | | | | 0.1 | | | 0.0017 (J) | <0.005 | 0.0055 |
| 1/20/2022 | | | | | | | | | 0.0045 (J) |
| 1/21/2022 | 0.034 | | | | | | | | |
| 1/24/2022 | | | | 0.1 | | 0.00088 (J) | 0.00061 (J) | 0.00041 (J) | |
| 1/25/2022 | | | | | <0.005 | | | | |
| 1/26/2022 | | 0.0028 (J) | | | | | | | |
| 1/27/2022 | | | 0.014 | | | | | | |
| 6/6/2022 | | | | | | | | | |
| 9/8/2022 | 0.028 | | | | | | | | |
| 9/9/2022 | | | | | | | | | |
| 9/13/2022 | | | | 0.14 | | | | | |
| 9/14/2022 | | | | | | 0.00061 (J) | | <0.005 | |
| 9/15/2022 | | | 0.012 | | | | 0.001 (J) | | |
| 9/16/2022 | | 0.0035 (J) | | | <0.005 | | | | |
| 9/19/2022 | | | | | | | | | 0.0027 (J) |
| 2/2/2023 | <0.005 | | 0.011 | | | | | | |
| 2/3/2023 | | 0.0022 (J) | | 0.17 | | | | | 0.0025 (J) |
| 2/6/2023 | | | | | | 0.0007 (J) | | | |
| 2/7/2023 | | | | | <0.005 | | 0.001 (J) | 0.0004 (J) | |
| 9/6/2023 | 0.031 | | | | | | | | |
| 9/7/2023 | | | | | | | | | |
| 9/8/2023 | | 0.0032 (J) | | | | | | | |
| 9/11/2023 | | | 0.01 | | <0.005 | | | | |
| 9/12/2023 | | | | | | 0.001 (J) | | | 0.0022 (J) |
| 9/13/2023 | | | | 0.18 | | | 0.00045 (J) | <0.005 | |

Time Series

Constituent: Cobalt (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-122D | B-56 | B-62 |
|------------|--------|-------|-------------|
| 1/30/2019 | | | <0.005 |
| 9/11/2019 | | | 0.0003 (J) |
| 10/21/2019 | | | 0.00031 (J) |
| 7/23/2020 | | | |
| 8/3/2020 | | | |
| 8/13/2020 | | | <0.005 |
| 8/17/2020 | | 0.042 | |
| 9/24/2020 | | | <0.005 |
| 9/25/2020 | | | |
| 9/28/2020 | | 0.042 | |
| 12/9/2020 | | | |
| 12/17/2020 | | | |
| 1/11/2021 | | | |
| 1/12/2021 | | | |
| 3/3/2021 | | 0.05 | |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/8/2021 | | | |
| 3/12/2021 | | | <0.005 |
| 4/15/2021 | | | |
| 9/9/2021 | | | <0.005 |
| 9/10/2021 | | | |
| 9/13/2021 | | 0.047 | |
| 9/14/2021 | | | |
| 1/20/2022 | | | <0.005 |
| 1/21/2022 | | | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | | | |
| 1/27/2022 | | 0.052 | |
| 6/6/2022 | 0.006 | | |
| 9/8/2022 | | | <0.005 |
| 9/9/2022 | | | <0.005 |
| 9/13/2022 | | | |
| 9/14/2022 | | | |
| 9/15/2022 | | | |
| 9/16/2022 | | 0.051 | |
| 9/19/2022 | | | |
| 2/2/2023 | | | <0.005 |
| 2/3/2023 | | | |
| 2/6/2023 | 0.007 | | |
| 2/7/2023 | | 0.059 | |
| 9/6/2023 | | | |
| 9/7/2023 | 0.011 | | <0.005 |
| 9/8/2023 | | 0.057 | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |
| 9/13/2023 | | | |

Time Series

Constituent: Cobalt (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|------------|-------|--------|------------|------------|--------|------------|-------|-----------|------|
| 3/28/2017 | | | | | | | | | |
| 5/11/2017 | | | | | | | | | |
| 5/15/2017 | | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 7/11/2017 | | | | | | | | | |
| 7/12/2017 | | | | | | | | | |
| 8/8/2017 | | | | | | | | | |
| 10/24/2017 | | | | | | | | | |
| 2/27/2018 | | | | | | | | | |
| 3/8/2018 | | | | | | | | | |
| 7/12/2018 | | | | | | | | | |
| 11/6/2018 | | | | | | | | | |
| 11/7/2018 | | | | | | | | | |
| 1/28/2019 | 0.053 | | | | | | | | |
| 1/30/2019 | | <0.01 | | | | | | | |
| 8/27/2019 | | | | | | | | | |
| 8/28/2019 | | | | | | | | | |
| 9/11/2019 | 0.043 | | | | | | | | |
| 9/12/2019 | | 0.006 | | | | | | | |
| 9/18/2019 | | | 0.0031 (J) | | | | | | |
| 9/23/2019 | | | | 0.0038 (J) | | | | | |
| 10/15/2019 | | | | | | | | | |
| 10/16/2019 | | | | | | | | | |
| 10/21/2019 | | 0.0074 | | 0.0089 | 0.018 | | | | |
| 10/22/2019 | 0.046 | | | | | | | | |
| 10/24/2019 | | | 0.0021 (J) | | | | | | |
| 11/22/2019 | | | | | | 0.018 (J) | | | |
| 12/19/2019 | | | | | | | | 0.066 | |
| 2/17/2020 | | | | | | | | | |
| 3/2/2020 | | | | | | | | | |
| 3/9/2020 | | | | | | | | | |
| 8/11/2020 | | | | | | | | | |
| 8/13/2020 | | | 0.0011 (J) | | | | | | |
| 8/14/2020 | | | | | 0.021 | | | | |
| 8/17/2020 | | | | 0.0028 (J) | | 0.0031 (J) | | | |
| 8/19/2020 | | | | | | | | 0.068 | |
| 9/22/2020 | | | | | | | | | |
| 9/24/2020 | | | 0.0004 (J) | | | | | | |
| 9/25/2020 | | | | | 0.0073 | 0.0015 (J) | | | |
| 9/28/2020 | | | | 0.0053 | | | | 0.064 | |
| 3/1/2021 | | | | | | | | | |
| 3/4/2021 | | | 0.0017 (J) | | 0.0099 | | | | |
| 3/5/2021 | | | | | | 0.022 | | | |
| 3/9/2021 | | | | | | | | 0.061 | |
| 3/12/2021 | 0.046 | 0.01 | | 0.0021 (J) | | | | | |
| 3/15/2021 | | | | | | | | | |
| 9/9/2021 | | | | | | | | | |
| 9/13/2021 | | | | | | 0.0018 (J) | | | |
| 9/14/2021 | 0.037 | 0.012 | <0.005 | 0.0015 (J) | | | | | |
| 9/15/2021 | | | | | | 0.063 | 0.062 | 0.003 (J) | |
| 9/16/2021 | | | | | 0.011 | | | | |
| 1/18/2022 | | | | | | | | | |

Time Series

Constituent: Cobalt (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|-----------|------------|-----------|------------|--------------|-------|--------------|-------|-------|------------|
| 1/20/2022 | 0.039 | | <0.005 | | | | | | |
| 1/21/2022 | | | | | 0.011 | | | | |
| 1/25/2022 | | 0.013 | | 0.0039 (J) | | | | | |
| 1/26/2022 | | | | | | | 0.071 | 0.064 | 0.003 (J) |
| 1/27/2022 | | | | | | 0.0038 (J) | | | |
| 1/28/2022 | | | | | | | | | |
| 9/7/2022 | | | | | | | | | |
| 9/8/2022 | | | | | | | | | |
| 9/12/2022 | | | | | | | 0.073 | 0.057 | |
| 9/13/2022 | | | <0.005 (D) | | 0.012 | | | | 0.0029 (J) |
| 9/14/2022 | 0.0465 (D) | | | | | | | | |
| 9/16/2022 | | 0.012 (D) | | 0.00175 (JD) | | 0.00135 (JD) | | | |
| 1/31/2023 | | | | | | | 0.08 | 0.067 | |
| 2/1/2023 | | | | | | | | | 0.0033 (J) |
| 2/2/2023 | 0.027 | | | | | | | | |
| 2/3/2023 | | | | | 0.012 | | | | |
| 2/6/2023 | | | <0.005 | | | | | | |
| 2/7/2023 | | 0.015 | | 0.0028 (J) | | 0.0031 (J) | | | |
| 9/6/2023 | | | | | | | 0.034 | 0.041 | 0.0029 (J) |
| 9/7/2023 | 0.047 | | | | | | | | |
| 9/11/2023 | | 0.02 | | 0.0024 (J) | | | | | |
| 9/12/2023 | | | <0.005 | | 0.015 | 0.0022 (J) | | | |

Time Series

Constituent: Cobalt (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|------------|------------|--------------|---------------|
| 3/28/2017 | | 0.025 | 0.0034 (J) |
| 5/11/2017 | | 0.0281 | |
| 5/15/2017 | | | 0.0024 (J) |
| 6/15/2017 | | 0.0322 | 0.0014 (J) |
| 7/11/2017 | | | 0.0007 (J) |
| 7/12/2017 | | 0.0247 | |
| 8/8/2017 | | | 0.0007 (J) |
| 10/24/2017 | | 0.0267 | <0.005 |
| 2/27/2018 | | | <0.005 |
| 3/8/2018 | | 0.027 | |
| 7/12/2018 | | 0.024 | |
| 11/6/2018 | | | <0.005 |
| 11/7/2018 | | 0.018 | |
| 1/28/2019 | | | |
| 1/30/2019 | | | |
| 8/27/2019 | | | <0.005 |
| 8/28/2019 | | 0.013 | |
| 9/11/2019 | | | |
| 9/12/2019 | | | |
| 9/18/2019 | | | |
| 9/23/2019 | | | |
| 10/15/2019 | | | 0.00064 (J) |
| 10/16/2019 | | 0.009 | |
| 10/21/2019 | | | |
| 10/22/2019 | | | |
| 10/24/2019 | | | |
| 11/22/2019 | | | |
| 12/19/2019 | | | |
| 2/17/2020 | <0.005 | | |
| 3/2/2020 | | | 0.00037 (J) |
| 3/9/2020 | | 0.016 | |
| 8/11/2020 | | | 0.0012 (J) |
| 8/13/2020 | | 0.0051 | |
| 8/14/2020 | | | |
| 8/17/2020 | | | |
| 8/19/2020 | | | |
| 9/22/2020 | | 0.011 | <0.005 |
| 9/24/2020 | | | |
| 9/25/2020 | | | |
| 9/28/2020 | | | |
| 3/1/2021 | | | <0.005 |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/9/2021 | | | |
| 3/12/2021 | | 0.0078 | |
| 3/15/2021 | <0.005 | | |
| 9/9/2021 | | 0.0064 | <0.005 |
| 9/13/2021 | | | |
| 9/14/2021 | | | |
| 9/15/2021 | 0.0048 (J) | | |
| 9/16/2021 | | | |
| 1/18/2022 | | | <0.005 |

Time Series

Constituent: Cobalt (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|-----------|-------------|--------------|---------------|
| 1/20/2022 | | | |
| 1/21/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | <0.005 | | |
| 1/27/2022 | | | |
| 1/28/2022 | | 0.014 | |
| 9/7/2022 | | | <0.005 |
| 9/8/2022 | | 0.012 | |
| 9/12/2022 | | | |
| 9/13/2022 | 0.00063 (J) | | |
| 9/14/2022 | | | |
| 9/16/2022 | | | |
| 1/31/2023 | <0.005 | | <0.005 |
| 2/1/2023 | | 0.008 | |
| 2/2/2023 | | | |
| 2/3/2023 | | | |
| 2/6/2023 | | | |
| 2/7/2023 | | | |
| 9/6/2023 | <0.005 | | <0.005 |
| 9/7/2023 | | 0.0086 | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |

Time Series

Constituent: Cobalt (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWA-71 (bg) | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 |
|------------|--------------|---------|-------------|------------|-------------|---------|------------|-----------|---------|
| 8/31/2016 | | 0.193 | <0.01 | | | <0.005 | | | |
| 9/1/2016 | | | | 0.0021 (J) | | | | | 0.0553 |
| 9/2/2016 | | | | | | | | | |
| 9/6/2016 | | | | | <0.005 | | 0.0042 (J) | | |
| 9/7/2016 | | | | | | | | 0.0247 | |
| 12/6/2016 | | 0.2 | 0.0006 (J) | | | <0.005 | | | |
| 12/7/2016 | | | | 0.0026 (J) | <0.005 | | 0.0028 (J) | | 0.0561 |
| 12/8/2016 | | | | | | | | 0.029 | |
| 3/28/2017 | 0.0033 (J) | | | | | | | | |
| 3/29/2017 | | 0.184 | <0.01 | 0.0026 (J) | | <0.005 | | | 0.0534 |
| 3/30/2017 | | | | | 0.0005 (J) | | 0.0024 (J) | 0.0283 | |
| 5/11/2017 | | | | | | | | | |
| 5/12/2017 | 0.0016 (J) | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 6/16/2017 | 0.0011 (J) | | | | | | | | |
| 7/11/2017 | 0.0008 (J) | | | | | | | | |
| 7/12/2017 | | 0.177 | <0.01 | 0.0033 (J) | 0.0004 (J) | <0.005 | 0.002 (J) | 0.023 | 0.0489 |
| 10/24/2017 | 0.0004 (J) | 0.175 | <0.01 | | | | | | |
| 10/25/2017 | | | | 0.0021 (J) | | <0.005 | 0.0019 (J) | 0.0259 | 0.0514 |
| 11/15/2017 | | | | | <0.005 | | | | |
| 2/27/2018 | <0.005 | 0.2 | <0.01 | <0.01 | | <0.005 | | | |
| 2/28/2018 | | | | | <0.005 | | <0.01 | 0.02 | 0.0511 |
| 7/11/2018 | | | | 0.002 (J) | | <0.005 | 0.0018 (J) | 0.025 | 0.051 |
| 11/6/2018 | <0.005 | 0.2 | <0.01 | | | | | | |
| 11/7/2018 | | | | <0.01 (J) | <0.005 | <0.005 | 0.025 | <0.01 (J) | 0.048 |
| 8/27/2019 | <0.005 | 0.13 | 0.00076 (J) | 0.0021 (J) | | <0.005 | | 0.031 | |
| 8/28/2019 | | | | | <0.005 | | 0.0015 (J) | | 0.048 |
| 8/29/2019 | | | | | | | | | |
| 9/17/2019 | | | | 0.0079 | | | | | |
| 10/15/2019 | <0.005 | 0.17 | 0.0006 (J) | 0.0058 | | | | | |
| 10/16/2019 | | | | | <0.005 | <0.005 | | | 0.046 |
| 10/17/2019 | | | | | | | 0.0018 (J) | | |
| 10/18/2019 | | | | | | | | 0.023 | |
| 3/2/2020 | <0.005 | | 0.00078 (J) | 0.029 | | | | | |
| 3/3/2020 | | 0.18 | | | <0.005 | <0.005 | 0.0018 (J) | | 0.054 |
| 3/4/2020 | | | | | | | | 0.023 | |
| 8/11/2020 | <0.005 | 0.11 | 0.00055 (J) | 0.006 | | <0.005 | | | 0.049 |
| 8/12/2020 | | | | | <0.005 | | | | |
| 8/13/2020 | | | | | | | 0.0024 (J) | | |
| 8/14/2020 | | | | | | | | 0.026 | |
| 9/22/2020 | <0.005 | | 0.00098 (J) | 0.013 | | <0.005 | | | 0.051 |
| 9/23/2020 | | | | | 0.00038 (J) | | 0.0018 (J) | | |
| 9/24/2020 | | 0.086 | | | | | | 0.028 | |
| 3/1/2021 | <0.005 | | | | | | | | |
| 3/2/2021 | | | 0.00065 (J) | | <0.005 | <0.005 | 0.0013 (J) | | 0.051 |
| 3/3/2021 | | | | 0.01 | | | | 0.016 | |
| 3/4/2021 | | 0.071 | | | | | | | |
| 9/8/2021 | <0.005 | | | | | | | | |
| 9/9/2021 | | | 0.00081 (J) | 0.034 | <0.005 | <0.005 | 0.0016 (J) | | 0.055 |
| 9/10/2021 | | 0.076 | | | | | | | |
| 9/13/2021 | | | | | | | | 0.019 | |
| 1/18/2022 | <0.005 | | | | | | | | |

Time Series

Constituent: Cobalt (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWA-71 (bg) | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 |
|-----------|--------------|---------|------------|---------|---------|---------|------------|---------|---------|
| 1/20/2022 | | | | | | | | | |
| 1/21/2022 | | | | | | | | | |
| 1/24/2022 | | | | | | | 0.0015 (J) | 0.019 | |
| 1/25/2022 | | | 0.0015 (J) | 0.018 | <0.005 | <0.005 | | | 0.054 |
| 1/26/2022 | | 0.099 | | | | | | | |
| 9/7/2022 | <0.005 | | | | | | | | |
| 9/13/2022 | | | | | | <0.005 | 0.0016 (J) | | |
| 9/14/2022 | | | | | | | | 0.016 | 0.052 |
| 9/15/2022 | | 0.055 | 0.001 (J) | 0.025 | <0.005 | | | | |
| 9/20/2022 | | | | | | | | | |
| 1/31/2023 | <0.005 | | | | | | | | |
| 2/1/2023 | | | | | <0.005 | <0.005 | | | |
| 2/2/2023 | | 0.11 | | | | | 0.0017 (J) | | |
| 2/6/2023 | | | 0.0013 (J) | 0.016 | | | | 0.017 | 0.055 |
| 2/7/2023 | | | | | | | | | |
| 9/6/2023 | <0.005 | | | | | | | | |
| 9/8/2023 | | | 0.0011 (J) | | <0.005 | <0.005 | 0.0018 (J) | | 0.051 |
| 9/11/2023 | | 0.11 | | 0.017 | | | | | |
| 9/13/2023 | | | | | | | | 0.02 | |

Time Series

Constituent: Cobalt (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|------------|------------|---------|------------|
| 8/31/2016 | | | |
| 9/1/2016 | | | |
| 9/2/2016 | | 0.497 | 0.0085 (J) |
| 9/6/2016 | | | |
| 9/7/2016 | | | |
| 12/6/2016 | | | |
| 12/7/2016 | | 0.614 | |
| 12/8/2016 | | | 0.0095 (J) |
| 3/28/2017 | | | |
| 3/29/2017 | | 0.443 | |
| 3/30/2017 | 0.0255 | | 0.0076 (J) |
| 5/11/2017 | 0.0284 | | |
| 5/12/2017 | | | |
| 6/15/2017 | 0.0238 | | |
| 6/16/2017 | | | |
| 7/11/2017 | 0.0238 | | |
| 7/12/2017 | | 0.538 | 0.0092 (J) |
| 10/24/2017 | 0.0292 | | |
| 10/25/2017 | | 0.432 | 0.0092 (J) |
| 11/15/2017 | | | |
| 2/27/2018 | 0.042 | | |
| 2/28/2018 | | 0.459 | <0.01 |
| 7/11/2018 | 0.02 | 0.47 | 0.0097 (J) |
| 11/6/2018 | 0.024 | | |
| 11/7/2018 | | 0.42 | <0.01 (J) |
| 8/27/2019 | 0.0088 | | |
| 8/28/2019 | | | |
| 8/29/2019 | | 0.66 | 0.01 |
| 9/17/2019 | | | |
| 10/15/2019 | | | |
| 10/16/2019 | | | |
| 10/17/2019 | 0.0084 | 0.57 | 0.01 |
| 10/18/2019 | | | |
| 3/2/2020 | | | |
| 3/3/2020 | 0.0073 | | 0.01 |
| 3/4/2020 | | 0.84 | |
| 8/11/2020 | 0.0064 | | |
| 8/12/2020 | | | |
| 8/13/2020 | | 0.73 | |
| 8/14/2020 | | | 0.0098 |
| 9/22/2020 | | 0.47 | |
| 9/23/2020 | 0.0062 | | |
| 9/24/2020 | | | 0.01 |
| 3/1/2021 | | | |
| 3/2/2021 | 0.0055 | 0.77 | |
| 3/3/2021 | | | 0.0087 |
| 3/4/2021 | | | |
| 9/8/2021 | | | |
| 9/9/2021 | 0.0048 (J) | | 0.0096 |
| 9/10/2021 | | 0.45 | |
| 9/13/2021 | | | |
| 1/18/2022 | | | |

Time Series

Constituent: Cobalt (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|-----------|------------|---------|---------|
| 1/20/2022 | 0.004 (J) | | 0.0076 |
| 1/21/2022 | | 0.95 | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | | | |
| 9/7/2022 | | | |
| 9/13/2022 | | | |
| 9/14/2022 | | | |
| 9/15/2022 | | 0.75 | 0.0081 |
| 9/20/2022 | 0.0028 (J) | | |
| 1/31/2023 | | | |
| 2/1/2023 | | | |
| 2/2/2023 | | | |
| 2/6/2023 | 0.0024 (J) | | |
| 2/7/2023 | | 1 | 0.0088 |
| 9/6/2023 | | | |
| 9/8/2023 | | | |
| 9/11/2023 | | 1.4 | 0.0097 |
| 9/13/2023 | 0.0024 (J) | | |

Time Series

Constituent: Cobalt (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-22 | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 | DGWC-48 | DGWC-5 | DGWC-8 | DGWC-9 |
|------------|------------|-------------|------------|---------|---------|---------|------------|--------|--------|
| 8/30/2016 | | | | | | | | 0.0568 | 0.0896 |
| 8/31/2016 | | | | | | | 0.055 | | |
| 9/1/2016 | | | | | 0.536 | 0.539 | | | |
| 9/2/2016 | 0.0102 | | | | | | | | |
| 9/7/2016 | | | | 0.0695 | | | | | |
| 12/6/2016 | | | | | | | 0.0432 | 0.0873 | 0.122 |
| 12/8/2016 | 0.0079 (J) | | | 0.0652 | 0.381 | 0.575 | | | |
| 3/28/2017 | | | 0.0018 (J) | | | | 0.04 | | 0.124 |
| 3/29/2017 | 0.0097 (J) | | | | | | | 0.0902 | |
| 3/30/2017 | | <0.005 | | | | 0.573 | | | |
| 3/31/2017 | | | | 0.0524 | 0.354 | | | | |
| 5/12/2017 | | <0.005 | 0.0015 (J) | | | | | | |
| 6/15/2017 | | 0.0003 (J) | 0.0015 (J) | | | | | | |
| 7/11/2017 | | | 0.0015 (J) | | | | 0.0351 (J) | 0.0601 | 0.136 |
| 7/12/2017 | | <0.005 | | | | | | | |
| 7/13/2017 | 0.0106 | | | 0.0481 | 0.396 | 0.531 | | | |
| 10/24/2017 | | | 0.0017 (J) | | | | | 0.123 | 0.151 |
| 10/25/2017 | 0.0094 (J) | | | 0.0435 | | | 0.0209 | | |
| 10/26/2017 | | <0.005 | | | 0.383 | 0.482 | | | |
| 2/27/2018 | | | <0.01 | | | | 0.024 | 0.126 | 0.163 |
| 2/28/2018 | <0.01 | | | 0.0167 | | | | | |
| 3/1/2018 | | <0.005 | | | 0.401 | | | | |
| 3/2/2018 | | | | | | 0.49 | | | |
| 7/11/2018 | | | | 0.019 | | | | | 0.18 |
| 7/12/2018 | 0.011 | <0.005 | | | 0.36 | 0.46 | | | |
| 11/6/2018 | | | <0.01 (J) | | | | 0.019 | 0.077 | 0.2 |
| 11/7/2018 | <0.01 (J) | | | 0.02 | 0.35 | 0.48 | | | |
| 11/8/2018 | | <0.01 (J) | | | | | | | |
| 8/27/2019 | | | 0.0018 (J) | | | | 0.02 | | 0.24 |
| 8/28/2019 | | | | 0.029 | | | | 0.051 | |
| 8/29/2019 | 0.0094 | 0.00036 (J) | | | 0.28 | 0.42 | | | |
| 10/15/2019 | | | 0.0018 (J) | | | | | | |
| 10/16/2019 | | | | | | | 0.022 | 0.054 | |
| 10/17/2019 | | | | 0.03 | 0.26 | | | | 0.21 |
| 10/18/2019 | 0.0084 | <0.005 | | | | 0.41 | | | |
| 3/2/2020 | | | 0.0021 (J) | | | | 0.028 | | |
| 3/3/2020 | 0.0098 | | | | | | | 0.044 | 0.2 |
| 3/4/2020 | | 0.00043 (J) | | 0.014 | 0.28 | 0.42 | | | |
| 8/11/2020 | | | | | | | | | 0.22 |
| 8/12/2020 | | | 0.0018 (J) | | 0.21 | | 0.021 | 0.053 | |
| 8/13/2020 | | 0.00048 (J) | | 0.025 | | 0.35 | | | |
| 8/14/2020 | 0.0087 | | | | | | | | |
| 9/22/2020 | | | 0.0014 (J) | 0.014 | | | 0.02 | | 0.16 |
| 9/23/2020 | | | | | 0.17 | 0.37 | | 0.04 | |
| 9/24/2020 | 0.01 | <0.005 | | | | | | | |
| 3/1/2021 | | | 0.002 (J) | | | | | | |
| 3/2/2021 | | | | | | | 0.021 | 0.033 | 0.18 |
| 3/3/2021 | 0.0078 | 0.00039 (J) | | 0.0087 | 0.2 | 0.36 | | | |
| 9/9/2021 | | 0.00049 (J) | | | | | | | |
| 9/10/2021 | 0.0076 | | 0.0019 (J) | | 0.23 | 0.36 | 0.022 | | 0.21 |
| 9/13/2021 | | | | 0.008 | | | | 0.028 | |
| 1/20/2022 | 0.0075 | 0.00058 (J) | | 0.0056 | | | | | |

Time Series

Constituent: Cobalt (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

8/30/2016
8/31/2016
9/1/2016
9/2/2016
9/7/2016
12/6/2016
12/8/2016
3/28/2017
3/29/2017
3/30/2017
3/31/2017
5/12/2017
6/15/2017
7/11/2017
7/12/2017
7/13/2017
10/24/2017
10/25/2017
10/26/2017
2/27/2018
2/28/2018
3/1/2018
3/2/2018
7/11/2018
7/12/2018
11/6/2018
11/7/2018
11/8/2018
8/27/2019
8/28/2019
8/29/2019
10/15/2019
10/16/2019
10/17/2019
10/18/2019
3/2/2020
3/3/2020
3/4/2020
8/11/2020
8/12/2020
8/13/2020
8/14/2020
9/22/2020
9/23/2020
9/24/2020
3/1/2021
3/2/2021
3/3/2021
9/9/2021
9/10/2021
9/13/2021
1/20/2022

Time Series

Constituent: Cobalt (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

| | |
|-----------|--------|
| 1/21/2022 | |
| 1/24/2022 | |
| 1/25/2022 | |
| 1/26/2022 | |
| 9/13/2022 | |
| 9/14/2022 | |
| 9/15/2022 | |
| 9/16/2022 | |
| 9/19/2022 | |
| 9/20/2022 | |
| 2/1/2023 | |
| 2/3/2023 | |
| 2/6/2023 | |
| 2/7/2023 | |
| 9/11/2023 | |
| 9/12/2023 | |
| 9/13/2023 | |
| 9/14/2023 | 0.0052 |

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-100 | B-101D | B-102D | B-104D | B-106D | B-107D | B-108D | B-111D | B-120D |
|------------|-----------|-----------|-----------|--------|-----------|-----------|-----------|--------|----------|
| 1/30/2019 | | | | | | | | | |
| 10/21/2019 | | | | | | | | | |
| 8/13/2020 | | | | | | | | | |
| 8/17/2020 | 1.4 (U) | | | | | | | | |
| 9/24/2020 | | | | | | | | | |
| 9/25/2020 | 0.799 (U) | | | | | | | | |
| 9/28/2020 | | | | | | | | | |
| 12/9/2020 | | | | 15.2 | | 1.49 | 1.31 (U) | 12.3 | |
| 12/17/2020 | | | 1.22 (U) | | 0.952 (U) | | | | |
| 1/11/2021 | | | 0.635 (U) | | | | | | |
| 1/12/2021 | | 1.91 | | 17 | | | | 9.63 | |
| 3/3/2021 | | | | | | | | | |
| 3/4/2021 | | | 0.789 (U) | 14.5 | 0.681 (U) | 2.14 | 2.02 | | |
| 3/5/2021 | | 2.17 | | | | | | 9.05 | |
| 3/8/2021 | 0.168 (U) | | | | | | | | |
| 3/12/2021 | | | | | | | | | |
| 4/15/2021 | | | | | | | | | 2.31 |
| 9/9/2021 | | | | | | | | | |
| 9/10/2021 | | | 1.74 | | | | | | |
| 9/13/2021 | 0.774 (U) | 1.8 | | | 0.625 (U) | 0.813 (U) | | | |
| 9/14/2021 | | | | 9.6 | | | 0.917 (U) | 4.39 | 3.68 |
| 1/20/2022 | | | | | | | | | 1.21 (U) |
| 1/21/2022 | 0.769 (U) | | | | | | | | |
| 1/24/2022 | | | | 11.9 | | 1.14 (U) | 0.812 (U) | 5.68 | |
| 1/25/2022 | | | | | 0.454 (U) | | | | |
| 1/26/2022 | | 1.21 | | | | | | | |
| 1/27/2022 | | | 0.628 (U) | | | | | | |
| 9/8/2022 | 0.643 (U) | | | | | | | | |
| 9/9/2022 | | | | | | | | | |
| 9/13/2022 | | | | 9.12 | | | | | |
| 9/14/2022 | | | | | | 0.737 (U) | | 6.23 | |
| 9/15/2022 | | | 0.61 (U) | | | | 1.36 | | |
| 9/16/2022 | | 1.64 | | | 0.655 (U) | | | | |
| 9/19/2022 | | | | | | | | | 2.22 |
| 2/2/2023 | 0.981 | | 0.676 (U) | | | | | | |
| 2/3/2023 | | 0.426 (U) | | 14.8 | | | | | 1.81 |
| 2/6/2023 | | | | | | 0.459 (U) | | | |
| 2/7/2023 | | | | | 0.642 (U) | | 0.975 | 6.24 | |
| 9/6/2023 | 0.326 (U) | | | | | | | | |
| 9/7/2023 | | | | | | | | | |
| 9/8/2023 | | 1.57 | | | | | | | |
| 9/11/2023 | | | 1.25 | | 0.61 (U) | | | | |
| 9/12/2023 | | | | | | 0.907 (U) | | | 1.74 |
| 9/13/2023 | | | | 13.9 | | | 1.12 | 8.6 | |

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-122D | B-56 | B-62 |
|------------|--------|-----------|----------|
| 1/30/2019 | | | 1.97 (U) |
| 10/21/2019 | | | 1.82 |
| 8/13/2020 | | | 1.63 |
| 8/17/2020 | | 1.15 (U) | |
| 9/24/2020 | | | 1.28 (U) |
| 9/25/2020 | | | |
| 9/28/2020 | | 1.39 | |
| 12/9/2020 | | | |
| 12/17/2020 | | | |
| 1/11/2021 | | | |
| 1/12/2021 | | | |
| 3/3/2021 | | 1.01 (U) | |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/8/2021 | | | |
| 3/12/2021 | | | 1.18 (U) |
| 4/15/2021 | | | |
| 9/9/2021 | | | 1.7 |
| 9/10/2021 | | | |
| 9/13/2021 | | 0.854 (U) | |
| 9/14/2021 | | | |
| 1/20/2022 | | | 1.71 |
| 1/21/2022 | | | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | | | |
| 1/27/2022 | | 0.831 (U) | |
| 9/8/2022 | | | |
| 9/9/2022 | | | 1.96 |
| 9/13/2022 | | | |
| 9/14/2022 | | | |
| 9/15/2022 | | | |
| 9/16/2022 | | 0.752 (U) | |
| 9/19/2022 | | | |
| 2/2/2023 | | | 1.6 |
| 2/3/2023 | | | |
| 2/6/2023 | 8.22 | | |
| 2/7/2023 | | 1.01 (U) | |
| 9/6/2023 | | | |
| 9/7/2023 | 14.9 | | 2.24 |
| 9/8/2023 | | 0.859 (U) | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |
| 9/13/2023 | | | |

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|-----------|-----------|-----------|-----------|-----------|------------|------|------|------|----------|
| 9/8/2022 | | | | | | | | | |
| 9/12/2022 | | | | | | | 2.34 | 1.09 | |
| 9/13/2022 | | | 1.11 | | 0.893 (U) | | | | 1.11 |
| 9/14/2022 | 1.61 | | | | | | | | |
| 9/16/2022 | | 0.832 (U) | | 0.694 (U) | | 1.25 | | | |
| 1/31/2023 | | | | | | | 2.04 | 1.68 | |
| 2/1/2023 | | | | | | | | | 1.33 |
| 2/2/2023 | 1.01 | | | | | | | | |
| 2/3/2023 | | | | | 0.279 (U) | | | | |
| 2/6/2023 | | | 0.747 (U) | | | | | | |
| 2/7/2023 | | 0.764 (U) | | 0.776 (U) | | 1.77 | | | |
| 9/6/2023 | | | | | | | 1.41 | 1.05 | 1.06 (U) |
| 9/7/2023 | 0.988 (U) | | | | | | | | |
| 9/11/2023 | | 0.736 (U) | | 0.212 (U) | | | | | |
| 9/12/2023 | | | 1.16 | | 0.0781 (U) | 1.16 | | | |

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|------------|----------|--------------|---------------|
| 3/28/2017 | | 6.36 | 0.866 (U) |
| 5/11/2017 | | 3.45 | |
| 5/15/2017 | | | 0.288 (U) |
| 6/15/2017 | | 4.58 | 1.01 (U) |
| 7/11/2017 | | | 0.254 (U) |
| 7/12/2017 | | 4.37 | |
| 8/8/2017 | | | 1.48 |
| 10/24/2017 | | 4.46 | 0.472 (U) |
| 2/27/2018 | | | 1.22 |
| 3/8/2018 | | 2.14 | |
| 7/10/2018 | | | 0.362 (U) |
| 7/12/2018 | | 4.65 | |
| 11/6/2018 | | | 0.859 (U) |
| 11/7/2018 | | 3.05 | |
| 1/28/2019 | | | |
| 1/30/2019 | | | |
| 8/27/2019 | | | 1.97 |
| 8/28/2019 | | 2.68 | |
| 10/15/2019 | | | 0.319 (U) |
| 10/16/2019 | | 1.89 | |
| 10/21/2019 | | | |
| 10/22/2019 | | | |
| 10/24/2019 | | | |
| 3/2/2020 | | | 0.419 (U) |
| 3/9/2020 | | 3.51 | |
| 8/11/2020 | | | 0.812 (U) |
| 8/13/2020 | | 1.04 | |
| 8/14/2020 | | | |
| 8/17/2020 | | | |
| 8/19/2020 | | | |
| 9/22/2020 | | 2.27 | 0.45 (U) |
| 9/24/2020 | | | |
| 9/25/2020 | | | |
| 9/28/2020 | | | |
| 3/1/2021 | | | 0.552 (U) |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/9/2021 | | | |
| 3/12/2021 | | 1.63 | |
| 9/9/2021 | | 2.72 | 0.779 (U) |
| 9/13/2021 | | | |
| 9/14/2021 | | | |
| 9/15/2021 | 2.2 | | |
| 9/16/2021 | | | |
| 1/18/2022 | | | 1.26 |
| 1/20/2022 | | | |
| 1/21/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | 0.52 (U) | | |
| 1/27/2022 | | | |
| 1/28/2022 | | 2.1 | |
| 9/7/2022 | | | 0.504 (U) |

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|-----------|-----------|--------------|---------------|
| 9/8/2022 | | 1.69 | |
| 9/12/2022 | | | |
| 9/13/2022 | 2.03 | | |
| 9/14/2022 | | | |
| 9/16/2022 | | | |
| 1/31/2023 | 0.873 (U) | | 0.416 (U) |
| 2/1/2023 | | 1.92 | |
| 2/2/2023 | | | |
| 2/3/2023 | | | |
| 2/6/2023 | | | |
| 2/7/2023 | | | |
| 9/6/2023 | 1.22 | | 0.651 (U) |
| 9/7/2023 | | 2.16 | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|------------|-----------|-----------|-----------|
| 8/31/2016 | | | |
| 9/1/2016 | | | |
| 9/2/2016 | | 1.48 | 0.908 (U) |
| 9/6/2016 | | | |
| 9/7/2016 | | | |
| 12/6/2016 | | | |
| 12/7/2016 | | 1.26 (U) | |
| 12/8/2016 | | | 1.03 (U) |
| 3/28/2017 | | | |
| 3/29/2017 | | 0.373 (U) | |
| 3/30/2017 | 0.737 (U) | | 0.884 (U) |
| 5/11/2017 | 0.892 (U) | | |
| 5/12/2017 | | | |
| 6/15/2017 | 0.979 (U) | | |
| 6/16/2017 | | | |
| 7/11/2017 | 0.871 (U) | | |
| 7/12/2017 | | 0.91 (U) | 1.22 |
| 10/24/2017 | 1.19 | | |
| 10/25/2017 | | 0.853 (U) | 1.07 (U) |
| 11/15/2017 | | | |
| 2/27/2018 | 0.863 (U) | | |
| 2/28/2018 | | 0.727 (U) | 1.45 |
| 7/10/2018 | | | |
| 7/11/2018 | 0.663 (U) | 1.3 | 1.59 |
| 11/6/2018 | 0.664 | | |
| 11/7/2018 | | 0.746 (U) | 1.16 |
| 8/27/2019 | 1.6 | | |
| 8/28/2019 | | | |
| 8/29/2019 | | 0.996 (U) | 0.582 (U) |
| 10/15/2019 | | | |
| 10/16/2019 | | | |
| 10/17/2019 | 1.74 | 2 | 0.427 (U) |
| 10/18/2019 | | | |
| 3/2/2020 | | | |
| 3/3/2020 | 1.23 | | 0.567 (U) |
| 3/4/2020 | | 1.67 | |
| 8/11/2020 | 1.37 | | |
| 8/12/2020 | | | |
| 8/13/2020 | | 1.77 | |
| 8/14/2020 | | | 0.602 (U) |
| 9/22/2020 | | 1.61 (U) | |
| 9/23/2020 | 1.96 (U) | | |
| 9/24/2020 | | | 0.396 (U) |
| 3/1/2021 | | | |
| 3/2/2021 | 1.54 (U) | 1.76 | |
| 3/3/2021 | | | 0.248 (U) |
| 3/4/2021 | | | |
| 9/8/2021 | | | |
| 9/9/2021 | 1.22 (U) | | 0.702 (U) |
| 9/10/2021 | | 0.689 (U) | |
| 9/13/2021 | | | |
| 1/18/2022 | | | |

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|-----------|-----------|-----------|-----------|
| 1/20/2022 | 0.722 (U) | | 0.337 (U) |
| 1/21/2022 | | 0.826 (U) | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | | | |
| 9/7/2022 | | | |
| 9/13/2022 | | | |
| 9/14/2022 | | | |
| 9/15/2022 | | 1.38 | 0.771 (U) |
| 9/20/2022 | 0.45 (U) | | |
| 1/31/2023 | | | |
| 2/1/2023 | | | |
| 2/2/2023 | | | |
| 2/6/2023 | 0.5 (U) | | |
| 2/7/2023 | | 1.92 | 0.582 (U) |
| 9/6/2023 | | | |
| 9/8/2023 | | | |
| 9/11/2023 | | 1.45 | 0.429 (U) |
| 9/13/2023 | 0.864 (U) | | |

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-22 | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 | DGWC-48 | DGWC-5 | DGWC-8 | DGWC-9 |
|------------|-----------|-----------|-----------|-----------|----------|----------|-----------|-----------|-----------|
| 8/30/2016 | | | | | | | | 0.919 (U) | 1.33 |
| 8/31/2016 | | | | | | | 2.49 | | |
| 9/1/2016 | | | | | 4.47 | 2.37 | | | |
| 9/2/2016 | 1.54 | | | | | | | | |
| 9/7/2016 | | | | 0.876 (U) | | | | | |
| 12/6/2016 | | | | | | | 0.348 (U) | 0.407 (U) | 0.828 (U) |
| 12/8/2016 | 0.505 (U) | | | 0.955 | 2.88 | 2.87 | | | |
| 3/28/2017 | | | 1.36 | | | | 0.693 (U) | | 1.06 |
| 3/29/2017 | 0.715 (U) | | | | | | | 0.28 (U) | |
| 3/30/2017 | | 0.297 (U) | | | | 1.71 | | | |
| 3/31/2017 | | | | 0.102 (U) | 1.14 | | | | |
| 5/12/2017 | | 0.693 (U) | 1.15 | | | | | | |
| 6/15/2017 | | 0.435 (U) | 0.765 (U) | | | | | | |
| 7/11/2017 | | | 1.13 | | | | 1.38 | 0.209 (U) | 0.62 (U) |
| 7/12/2017 | | 0.703 (U) | | | | | | | |
| 7/13/2017 | 1.14 | | | 1.08 (U) | 2.37 | 1.78 | | | |
| 10/24/2017 | | | 1.24 | | | | | 0.615 (U) | 1.21 |
| 10/25/2017 | 1.6 | | | 1.46 | | | 2.06 | | |
| 10/26/2017 | | 0.984 (U) | | | 2.88 | 3.74 | | | |
| 2/27/2018 | | | 1.82 | | | | 1.97 | 1.05 (U) | 1.79 |
| 2/28/2018 | 0.918 (U) | | | 0.882 (U) | | | | | |
| 3/1/2018 | | 0.743 (U) | | | 2.21 | | | | |
| 3/2/2018 | | | | | | 2.26 | | | |
| 7/10/2018 | | | 1.37 | | | | 1.03 (U) | 0.363 (U) | |
| 7/11/2018 | | | | 0.924 (U) | | | | | 1.81 |
| 7/12/2018 | 0.981 (U) | 0.918 (U) | | | 1.73 | 1.81 | | | |
| 11/6/2018 | | | 1.2 | | | | 1.13 | 0.577 (U) | 1.13 |
| 11/7/2018 | 0.832 (U) | | | 0.654 (U) | 1.72 | 1.94 | | | |
| 11/8/2018 | | 1.47 | | | | | | | |
| 8/27/2019 | | | 1.79 | | | | 1.81 | | 1.55 |
| 8/28/2019 | | | | 0.883 (U) | | | | 0.815 (U) | |
| 8/29/2019 | 1.87 | 2.21 | | | 3.05 | 2.37 | | | |
| 10/15/2019 | | | 2.11 (U) | | | | | | |
| 10/16/2019 | | | | | | | 1.63 | 0.999 (U) | |
| 10/17/2019 | | | | 1.38 | 2.58 | | | | 0.702 (U) |
| 10/18/2019 | 1.1 (U) | 1.32 | | | | 1.42 | | | |
| 3/2/2020 | | | 1.99 | | | | 2.28 | | |
| 3/3/2020 | 0.517 (U) | | | | | | | 0.481 (U) | 1.37 |
| 3/4/2020 | | 1.39 | | 0.722 (U) | 1.68 | 1.31 | | | |
| 8/11/2020 | | | | | | | | | 0.819 (U) |
| 8/12/2020 | | | 1.95 | | 2.56 | | 1.13 | 0.721 (U) | |
| 8/13/2020 | | 1.48 (U) | | 1.23 (U) | | 1.74 | | | |
| 8/14/2020 | 1.83 | | | | | | | | |
| 9/22/2020 | | | 1.43 (U) | 1.03 (U) | | | 1.4 (U) | | 1.15 (U) |
| 9/23/2020 | | | | | 2.3 (U) | 1.51 (U) | | 0.8 (U) | |
| 9/24/2020 | 1.02 (U) | 1.49 | | | | | | | |
| 3/1/2021 | | | 1.05 (U) | | | | | | |
| 3/2/2021 | | | | | | | 0.971 (U) | 0.751 (U) | 1.29 (U) |
| 3/3/2021 | 0.547 (U) | 1.05 (U) | | 0.92 (U) | 1.27 (U) | 1.41 | | | |
| 9/9/2021 | | 1.81 | | | | | | | |
| 9/10/2021 | 0.616 (U) | | 1.46 | | 2.32 | 2.21 | 1.15 | | 1.28 |
| 9/13/2021 | | | | 1.15 (U) | | | | 0.916 (U) | |

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

8/30/2016
8/31/2016
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7/10/2018
7/11/2018
7/12/2018
11/6/2018
11/7/2018
11/8/2018
8/27/2019
8/28/2019
8/29/2019
10/15/2019
10/16/2019
10/17/2019
10/18/2019
3/2/2020
3/3/2020
3/4/2020
8/11/2020
8/12/2020
8/13/2020
8/14/2020
9/22/2020
9/23/2020
9/24/2020
3/1/2021
3/2/2021
3/3/2021
9/9/2021
9/10/2021
9/13/2021

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

1/20/2022
1/21/2022
1/24/2022
1/25/2022
1/26/2022
9/13/2022
9/14/2022
9/15/2022
9/16/2022
9/19/2022
9/20/2022
2/1/2023
2/3/2023
2/6/2023
2/7/2023
9/11/2023
9/12/2023
9/13/2023
9/14/2023

2.41

Time Series

Constituent: Fluoride (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-100 | B-101D | B-102D | B-104D | B-106D | B-107D | B-108D | B-111D | B-120D |
|------------|-----------|-----------|-----------|--------|-----------|-----------|-----------|--------|-----------|
| 1/30/2019 | | | | | | | | | |
| 10/21/2019 | | | | | | | | | |
| 8/13/2020 | | | | | | | | | |
| 8/17/2020 | <0.1 | | | | | | | | |
| 9/24/2020 | | | | | | | | | |
| 9/25/2020 | <0.1 | | | | | | | | |
| 9/28/2020 | | | | | | | | | |
| 12/9/2020 | | | | 0.33 | | <0.1 | <0.1 | 0.33 | |
| 12/17/2020 | | | 0.079 (J) | | 0.052 (J) | | | | |
| 1/11/2021 | | | 0.077 (J) | | | | | | |
| 1/12/2021 | | 0.052 (J) | | 0.36 | | | | 0.32 | |
| 3/3/2021 | | | | | | | | | |
| 3/4/2021 | | | 0.11 | 0.43 | 0.055 (J) | <0.1 | <0.1 | | |
| 3/5/2021 | | 0.053 (J) | | | | | | 0.51 | |
| 3/8/2021 | <0.1 | | | | | | | | |
| 3/12/2021 | | | | | | | | | |
| 4/15/2021 | | | | | | | | | <0.1 |
| 9/9/2021 | | | | | | | | | |
| 9/10/2021 | | | 0.083 (J) | | | | | | |
| 9/13/2021 | <0.1 | 0.051 (J) | | | 0.052 (J) | <0.1 | | | |
| 9/14/2021 | | | | 0.5 | | | <0.1 | 0.57 | <0.1 |
| 1/20/2022 | | | | | | | | | <0.1 |
| 1/21/2022 | <0.1 | | | | | | | | |
| 1/24/2022 | | | | 0.28 | | <0.1 | <0.1 | 0.38 | |
| 1/25/2022 | | | | | <0.1 | | | | |
| 1/26/2022 | | <0.1 | | | | | | | |
| 1/27/2022 | | | 0.062 (J) | | | | | | |
| 6/6/2022 | | | | | | | | | |
| 9/8/2022 | 0.072 (J) | | | | | | | | |
| 9/13/2022 | | | | 0.35 | | | | | |
| 9/14/2022 | | | | | | 0.053 (J) | | 0.38 | |
| 9/15/2022 | | | 0.11 | | | | 0.061 (J) | | |
| 9/16/2022 | | 0.099 (J) | | | 0.08 (J) | | | | |
| 9/19/2022 | | | | | | | | | 0.057 (J) |
| 2/2/2023 | 0.052 (J) | | 0.091 (J) | | | | | | |
| 2/3/2023 | | 0.11 | | 0.36 | | | | | 0.052 (J) |
| 2/6/2023 | | | | | | <0.1 | | | |
| 2/7/2023 | | | | | 0.067 (J) | | <0.1 | 0.36 | |
| 9/6/2023 | <0.1 | | | | | | | | |
| 9/7/2023 | | | | | | | | | |
| 9/8/2023 | | <0.1 | | | | | | | |
| 9/11/2023 | | | 0.1 | | 0.067 (J) | | | | |
| 9/12/2023 | | | | | | <0.1 | | | <0.1 |
| 9/13/2023 | | | | 0.3 | | | <0.1 | 0.36 | |

Time Series

Constituent: Fluoride (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-122D | B-56 | B-62 |
|------------|--------|-----------|-----------|
| 1/30/2019 | | | 0.43 |
| 10/21/2019 | | | 0.23 (J) |
| 8/13/2020 | | | 0.11 |
| 8/17/2020 | | 0.19 | |
| 9/24/2020 | | | 0.093 (J) |
| 9/25/2020 | | | |
| 9/28/2020 | | 0.098 (J) | |
| 12/9/2020 | | | |
| 12/17/2020 | | | |
| 1/11/2021 | | | |
| 1/12/2021 | | | |
| 3/3/2021 | | 0.34 | |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/8/2021 | | | |
| 3/12/2021 | | | 0.11 |
| 4/15/2021 | | | |
| 9/9/2021 | | | 0.14 |
| 9/10/2021 | | | |
| 9/13/2021 | | 0.2 | |
| 9/14/2021 | | | |
| 1/20/2022 | | | 0.099 (J) |
| 1/21/2022 | | | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | | | |
| 1/27/2022 | | 0.21 | |
| 6/6/2022 | 0.2 | | |
| 9/8/2022 | | | 0.13 |
| 9/13/2022 | | | |
| 9/14/2022 | | | |
| 9/15/2022 | | | |
| 9/16/2022 | | 0.22 | |
| 9/19/2022 | | | |
| 2/2/2023 | | | 0.16 |
| 2/3/2023 | | | |
| 2/6/2023 | 0.21 | | |
| 2/7/2023 | | 0.19 | |
| 9/6/2023 | | | |
| 9/7/2023 | 0.22 | | 0.13 |
| 9/8/2023 | | 0.24 | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |
| 9/13/2023 | | | |

Time Series

Constituent: Fluoride (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|------------|---------|---------|-----------|-----------|-----------|------|------|------|-----------|
| 3/28/2017 | | | | | | | | | |
| 5/11/2017 | | | | | | | | | |
| 5/15/2017 | | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 7/11/2017 | | | | | | | | | |
| 7/12/2017 | | | | | | | | | |
| 8/8/2017 | | | | | | | | | |
| 10/24/2017 | | | | | | | | | |
| 11/15/2017 | | | | | | | | | |
| 2/27/2018 | | | | | | | | | |
| 3/8/2018 | | | | | | | | | |
| 7/12/2018 | | | | | | | | | |
| 11/6/2018 | | | | | | | | | |
| 11/7/2018 | | | | | | | | | |
| 1/28/2019 | 0.45 | | | | | | | | |
| 1/30/2019 | | 0.51 | | | | | | | |
| 3/12/2019 | | | | | | | | | |
| 3/13/2019 | | | | | | | | | |
| 8/27/2019 | | | | | | | | | |
| 8/28/2019 | | | | | | | | | |
| 10/15/2019 | | | | | | | | | |
| 10/16/2019 | | | | | | | | | |
| 10/21/2019 | | 0.3 (J) | | 0.2 (J) | 0.13 (J) | | | | |
| 10/22/2019 | 0.2 (J) | | | | | | | | |
| 10/24/2019 | | | 0.096 (J) | | | | | | |
| 3/2/2020 | | | | | | | | | |
| 3/9/2020 | | | | | | | | | |
| 8/11/2020 | | | | | | | | | |
| 8/13/2020 | | | <0.1 | | | | | | |
| 8/14/2020 | | | | | 0.05 (J) | | | | |
| 8/17/2020 | | | | <0.1 | | <0.1 | | | |
| 8/19/2020 | | | | | | | | 0.32 | |
| 9/22/2020 | | | | | | | | | |
| 9/24/2020 | | | <0.1 | | | | | | |
| 9/25/2020 | | | | | <0.1 | <0.1 | | | |
| 9/28/2020 | | | | <0.1 | | | | 0.3 | |
| 3/1/2021 | | | | | | | | | |
| 3/4/2021 | | | <0.1 | | 0.071 (J) | | | | |
| 3/5/2021 | | | | | | <0.1 | | | |
| 3/9/2021 | | | | | | | | 0.34 | |
| 3/12/2021 | | | | | | | | | |
| 9/9/2021 | | | | | | | | | |
| 9/13/2021 | | | | | | <0.1 | | | |
| 9/14/2021 | 0.16 | 0.22 | 0.078 (J) | 0.052 (J) | | | | | |
| 9/15/2021 | | | | | | | 0.18 | 0.34 | 0.085 (J) |
| 9/16/2021 | | | | | 0.066 (J) | | | | |
| 1/18/2022 | | | | | | | | | |
| 1/20/2022 | 0.12 | | <0.1 | | | | | | |
| 1/21/2022 | | | | | <0.1 | | | | |
| 1/25/2022 | | 0.12 | | <0.1 | | | | | |
| 1/26/2022 | | | | | | | 0.3 | 0.41 | 0.088 (J) |
| 1/27/2022 | | | | | | <0.1 | | | |

Time Series

Constituent: Fluoride (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|-----------|------|------|-----------|-----------|-----------|-----------|------|------|-----------|
| 1/28/2022 | | | | | | | | | |
| 9/7/2022 | | | | | | | | | |
| 9/8/2022 | | | | | | | | | |
| 9/12/2022 | | | | | | | 0.24 | 0.4 | |
| 9/13/2022 | | | 0.08 (J) | | 0.081 (J) | | | | 0.14 |
| 9/14/2022 | 0.14 | | | | | | | | |
| 9/16/2022 | | 0.18 | | 0.079 (J) | | 0.054 (J) | | | |
| 1/31/2023 | | | | | | | 0.2 | 0.4 | |
| 2/1/2023 | | | | | | | | | 0.11 |
| 2/2/2023 | 0.13 | | | | | | | | |
| 2/3/2023 | | | | | 0.12 | | | | |
| 2/6/2023 | | | 0.069 (J) | | | | | | |
| 2/7/2023 | | 0.12 | | 0.086 (J) | | <0.1 | | | |
| 9/6/2023 | | | | | | | 0.26 | 0.26 | 0.085 (J) |
| 9/7/2023 | 0.12 | | | | | | | | |
| 9/11/2023 | | 0.12 | | 0.11 | | | | | |
| 9/12/2023 | | | 0.069 (J) | | 0.087 (J) | <0.1 | | | |

Time Series

Constituent: Fluoride (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|------------|-----------|--------------|---------------|
| 3/28/2017 | | 0.12 (J) | 1.2 (O) |
| 5/11/2017 | | 0.07 (J) | |
| 5/15/2017 | | | 0.005 (J) |
| 6/15/2017 | | 0.19 (J) | 0.02 (J) |
| 7/11/2017 | | | 0.06 (J) |
| 7/12/2017 | | 0.1 (J) | |
| 8/8/2017 | | | 0.04 (J) |
| 10/24/2017 | | 0.06 (J) | <0.1 |
| 11/15/2017 | | 0.05 (J) | |
| 2/27/2018 | | | <0.1 |
| 3/8/2018 | | <0.3 | |
| 7/12/2018 | | 0.071 (J) | |
| 11/6/2018 | | | <0.1 |
| 11/7/2018 | | <0.3 | |
| 1/28/2019 | | | |
| 1/30/2019 | | | |
| 3/12/2019 | | | 0.039 (J) |
| 3/13/2019 | | 0.13 (J) | |
| 8/27/2019 | | | <0.1 |
| 8/28/2019 | | 0.42 | |
| 10/15/2019 | | | <0.1 |
| 10/16/2019 | | 0.11 (J) | |
| 10/21/2019 | | | |
| 10/22/2019 | | | |
| 10/24/2019 | | | |
| 3/2/2020 | | | <0.1 |
| 3/9/2020 | | 0.1 (J) | |
| 8/11/2020 | | | <0.1 |
| 8/13/2020 | | 0.062 (J) | |
| 8/14/2020 | | | |
| 8/17/2020 | | | |
| 8/19/2020 | | | |
| 9/22/2020 | | 0.099 (J) | <0.1 |
| 9/24/2020 | | | |
| 9/25/2020 | | | |
| 9/28/2020 | | | |
| 3/1/2021 | | | <0.1 |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/9/2021 | | | |
| 3/12/2021 | | 0.076 (J) | |
| 9/9/2021 | | 0.099 (J) | <0.1 |
| 9/13/2021 | | | |
| 9/14/2021 | | | |
| 9/15/2021 | 0.098 (J) | | |
| 9/16/2021 | | | |
| 1/18/2022 | | | <0.1 |
| 1/20/2022 | | | |
| 1/21/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | 0.13 | | |
| 1/27/2022 | | | |

Time Series

Constituent: Fluoride (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|-----------|------|--------------|---------------|
| 1/28/2022 | | 0.08 (J) | |
| 9/7/2022 | | | 0.061 (J) |
| 9/8/2022 | | 0.11 | |
| 9/12/2022 | | | |
| 9/13/2022 | 0.18 | | |
| 9/14/2022 | | | |
| 9/16/2022 | | | |
| 1/31/2023 | 0.19 | | 0.053 (J) |
| 2/1/2023 | | 0.1 | |
| 2/2/2023 | | | |
| 2/3/2023 | | | |
| 2/6/2023 | | | |
| 2/7/2023 | | | |
| 9/6/2023 | 0.1 | | <0.1 |
| 9/7/2023 | | 0.082 (J) | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |

Time Series

Constituent: Fluoride (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWA-71 (bg) | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 |
|------------|--------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 8/31/2016 | | 1 | 0.06 (J) | | | 0.06 (J) | | | |
| 9/1/2016 | | | | 0.02 (J) | | | | | 0.75 |
| 9/2/2016 | | | | | | | | | |
| 9/6/2016 | | | | | 0.17 (J) | | 0.11 (J) | | |
| 9/7/2016 | | | | | | | | 0.32 | |
| 12/6/2016 | | 1.3 | 0.06 (J) | | | 0.1 (J) | | | |
| 12/7/2016 | | | | 0.16 (J) | 0.3 | | 0.11 (J) | | 0.37 |
| 12/8/2016 | | | | | | | | 0.31 | |
| 3/28/2017 | 0.06 (J) | | | | | | | | |
| 3/29/2017 | | 1.5 | 0.04 (J) | 0.1 (J) | | 0.02 (J) | | | 0.35 |
| 3/30/2017 | | | | | 0.12 (J) | | <0.1 | 0.1 (J) | |
| 5/11/2017 | | | | | | | | | |
| 5/12/2017 | <0.1 | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 6/16/2017 | 0.008 (J) | | | | | | | | |
| 7/11/2017 | 0.007 (J) | | | | | | | | |
| 7/12/2017 | | 1.7 | 0.03 (J) | 0.2 (J) | 0.13 (J) | <0.1 | 0.07 (J) | 0.27 (J) | 0.34 |
| 10/24/2017 | <0.1 | 2.1 | <0.1 | | | | | | |
| 10/25/2017 | | | | 0.6 | | <0.1 | 0.26 (J) | 0.49 | 0.9 |
| 11/15/2017 | <0.1 | 1.4 | | | 0.44 | | | | |
| 2/27/2018 | <0.1 | 2.3 | <0.1 | 0.34 | | <0.1 | | | |
| 2/28/2018 | | | | | 0.18 | | <0.1 | 0.54 | 1.2 |
| 7/11/2018 | | | | <0.1 | | <0.1 | <0.1 | 0.15 (J) | 0.37 |
| 11/6/2018 | <0.1 | 2 | <0.1 | | | | | | |
| 11/7/2018 | | | | <0.3 (J) | <0.3 (J) | <0.1 | <0.1 | <0.3 (J) | <0.3 (J) |
| 3/12/2019 | <0.1 | 1.7 | 0.052 (J) | 0.065 (J) | | | | | |
| 3/13/2019 | | | | | 0.13 (J) | 0.042 (J) | | 0.084 (J) | 0.22 (J) |
| 3/14/2019 | | | | | | | 0.057 (J) | | |
| 8/27/2019 | <0.1 | 1.4 | <0.1 | <0.1 | | <0.1 | | 0.24 (J) | |
| 8/28/2019 | | | | | 0.091 (J) | | <0.1 | | 0.2 |
| 8/29/2019 | | | | | | | | | |
| 10/15/2019 | <0.1 | 1.4 | <0.1 | <0.1 | | | | | |
| 10/16/2019 | | | | | 0.14 (J) | 0.052 (J) | | | 0.23 (J) |
| 10/17/2019 | | | | | | | 0.079 (J) | | |
| 10/18/2019 | | | | | | | | 0.086 (J) | |
| 3/2/2020 | <0.1 | | 0.064 (J) | 0.071 (J) | | | | | |
| 3/3/2020 | | 1.5 | | | 0.078 (J) | <0.1 | <0.1 | | 0.056 (J) |
| 3/4/2020 | | | | | | | | <0.1 | |
| 8/11/2020 | <0.1 | 1.4 | <0.1 | <0.1 | | <0.1 | | | 0.2 |
| 8/12/2020 | | | | | 0.051 (J) | | | | |
| 8/13/2020 | | | | | | | <0.1 | | |
| 8/14/2020 | | | | | | | | 0.069 (J) | |
| 9/22/2020 | <0.1 | | <0.1 | <0.1 | | <0.1 | | | 0.084 (J) |
| 9/23/2020 | | | | | 0.058 (J) | | <0.1 | | |
| 9/24/2020 | | 0.97 | | | | | | 0.056 (J) | |
| 3/1/2021 | <0.1 | | | | | | | | |
| 3/2/2021 | | | <0.1 | | 0.084 (J) | <0.1 | <0.1 | | 0.19 |
| 3/3/2021 | | | | 0.085 (J) | | | | 0.085 (J) | |
| 3/4/2021 | | 1.8 | | | | | | | |
| 9/8/2021 | <0.1 | | | | | | | | |
| 9/9/2021 | | | <0.1 | 0.099 (J) | 0.083 (J) | <0.1 | <0.1 | | 0.18 |
| 9/10/2021 | | 2.2 | | | | | | | |

Time Series

Constituent: Fluoride (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWA-71 (bg) | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 |
|-----------|--------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|---------|
| 9/13/2021 | | | | | | | | 0.063 (J) | |
| 1/18/2022 | <0.1 | | | | | | | | |
| 1/20/2022 | | | | | | | | | |
| 1/21/2022 | | | | | | | | | |
| 1/24/2022 | | | | | | | <0.1 | <0.1 | |
| 1/25/2022 | | | <0.1 | 0.093 (J) | 0.063 (J) | <0.1 | | | 0.16 |
| 1/26/2022 | | 1.8 | | | | | | | |
| 9/7/2022 | 0.056 (J) | | | | | | | | |
| 9/13/2022 | | | | | | 0.059 (J) | 0.065 (J) | | |
| 9/14/2022 | | | | | | | | 0.1 | 0.18 |
| 9/15/2022 | | 0.84 | 0.064 (J) | 0.078 (J) | 0.095 (J) | | | | |
| 9/20/2022 | | | | | | | | | |
| 1/31/2023 | 0.05 (J) | | | | | | | | |
| 2/1/2023 | | | | | 0.09 (J) | 0.067 (J) | | | |
| 2/2/2023 | | 1.1 | | | | | 0.065 (J) | | |
| 2/6/2023 | | | <0.1 | 0.1 | | | | 0.096 (J) | 0.22 |
| 2/7/2023 | | | | | | | | | |
| 9/6/2023 | <0.1 | | | | | | | | |
| 9/8/2023 | | | <0.1 | | 0.055 (J) | <0.1 | <0.1 | | 0.17 |
| 9/11/2023 | | 1.3 | | 0.13 | | | | | |
| 9/13/2023 | | | | | | | | 0.1 | |

Time Series

Constituent: Fluoride (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|------------|-----------|----------|-----------|
| 8/31/2016 | | | |
| 9/1/2016 | | | |
| 9/2/2016 | | 0.66 | 0.07 (J) |
| 9/6/2016 | | | |
| 9/7/2016 | | | |
| 12/6/2016 | | | |
| 12/7/2016 | | 0.66 | |
| 12/8/2016 | | | 0.14 (J) |
| 3/28/2017 | | | |
| 3/29/2017 | | 0.34 | |
| 3/30/2017 | 0.06 (J) | | <0.1 |
| 5/11/2017 | 0.06 (J) | | |
| 5/12/2017 | | | |
| 6/15/2017 | 0.07 (J) | | |
| 6/16/2017 | | | |
| 7/11/2017 | 0.04 (J) | | |
| 7/12/2017 | | 0.41 | 0.04 (J) |
| 10/24/2017 | 0.43 | | |
| 10/25/2017 | | 0.68 | 0.34 |
| 11/15/2017 | | | |
| 2/27/2018 | 0.28 | | |
| 2/28/2018 | | 0.76 | <0.1 |
| 7/11/2018 | 0.6 | 1.3 | <0.1 |
| 11/6/2018 | <0.1 | | |
| 11/7/2018 | | <0.3 (J) | <0.1 |
| 3/12/2019 | 0.052 (J) | | |
| 3/13/2019 | | 0.45 | 0.043 (J) |
| 3/14/2019 | | | |
| 8/27/2019 | <0.1 | | |
| 8/28/2019 | | | |
| 8/29/2019 | | 0.78 | 0.079 (J) |
| 10/15/2019 | | | |
| 10/16/2019 | | | |
| 10/17/2019 | 0.042 (J) | 0.26 (J) | <0.1 |
| 10/18/2019 | | | |
| 3/2/2020 | | | |
| 3/3/2020 | <0.1 | | <0.1 |
| 3/4/2020 | | 1.5 | |
| 8/11/2020 | <0.1 | | |
| 8/12/2020 | | | |
| 8/13/2020 | | 0.9 | |
| 8/14/2020 | | | <0.1 |
| 9/22/2020 | | 0.15 | |
| 9/23/2020 | <0.1 | | |
| 9/24/2020 | | | <0.1 |
| 3/1/2021 | | | |
| 3/2/2021 | <0.1 | 1.4 | |
| 3/3/2021 | | | <0.1 |
| 3/4/2021 | | | |
| 9/8/2021 | | | |
| 9/9/2021 | 0.053 (J) | | <0.1 |
| 9/10/2021 | | 0.25 | |

Time Series

Constituent: Fluoride (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|-----------|-----------|---------|-----------|
| 9/13/2021 | | | |
| 1/18/2022 | | | |
| 1/20/2022 | <0.1 | | <0.1 |
| 1/21/2022 | | 1.3 | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | | | |
| 9/7/2022 | | | |
| 9/13/2022 | | | |
| 9/14/2022 | | | |
| 9/15/2022 | | 0.69 | 0.087 (J) |
| 9/20/2022 | 0.076 (J) | | |
| 1/31/2023 | | | |
| 2/1/2023 | | | |
| 2/2/2023 | | | |
| 2/6/2023 | 0.072 (J) | | |
| 2/7/2023 | | 1.1 | 0.059 (J) |
| 9/6/2023 | | | |
| 9/8/2023 | | | |
| 9/11/2023 | | 1.5 | 0.054 (J) |
| 9/13/2023 | 0.083 (J) | | |

Time Series

Constituent: Fluoride (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-22 | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 | DGWC-48 | DGWC-5 | DGWC-8 | DGWC-9 |
|------------|-----------|-----------|-----------|----------|---------|---------|----------|-----------|--------|
| 8/30/2016 | | | | | | | | 0.39 | 0.78 |
| 8/31/2016 | | | | | | | 1 | | |
| 9/1/2016 | | | | | 1.8 | 1.5 | | | |
| 9/2/2016 | 0.3 | | | | | | | | |
| 9/7/2016 | | | | 0.02 (J) | | | | | |
| 12/6/2016 | | | | | | | 0.76 | 0.47 | 1.1 |
| 12/8/2016 | 0.12 (J) | | | 0.06 (J) | 1.1 | 1.6 | | | |
| 3/28/2017 | | | 0.17 (J) | | | | 1.2 | | 1.1 |
| 3/29/2017 | 0.11 (J) | | | | | | | 0.51 | |
| 3/30/2017 | | 0.12 (J) | | | | 0.86 | | | |
| 3/31/2017 | | | | <0.1 | 0.88 | | | | |
| 5/12/2017 | | 0.36 | <0.1 | | | | | | |
| 6/15/2017 | | 0.21 (J) | 0.02 (J) | | | | | | |
| 7/11/2017 | | | 0.02 (J) | | | | 0.7 | 0.2 (J) | 1.1 |
| 7/12/2017 | | 0.22 (J) | | | | | | | |
| 7/13/2017 | 0.09 (J) | | | <0.1 | 0.84 | 1.1 | | | |
| 10/24/2017 | | | <0.1 | | | | | 0.82 | 1.7 |
| 10/25/2017 | 0.25 (J) | | | <0.1 | | | 1.4 | | |
| 10/26/2017 | | 0.66 | | | 1 | 1.7 | | | |
| 11/15/2017 | | | 0.79 | | | | | | |
| 2/27/2018 | | | <0.1 | | | | 1.3 | 0.59 | 1.2 |
| 2/28/2018 | <0.1 | | | <0.1 | | | | | |
| 3/1/2018 | | 0.18 | | | 1.4 | | | | |
| 3/2/2018 | | | | | | 1.1 | | | |
| 7/11/2018 | | | | <0.1 | | | | | 1.3 |
| 7/12/2018 | 0.13 (J) | 0.25 (J) | | | 0.96 | 0.65 | | | |
| 11/6/2018 | | | <0.1 | | | | <0.3 (J) | 0.35 | 1.1 |
| 11/7/2018 | <0.1 | | | <0.1 | 0.74 | 0.63 | | | |
| 11/8/2018 | | <0.3 (J) | | | | | | | |
| 3/12/2019 | | | 0.082 (J) | | | | 0.31 | 0.35 | 0.97 |
| 3/14/2019 | 0.042 (J) | 0.092 (J) | | <0.1 | 1.6 | 1.4 | | | |
| 8/27/2019 | | | <0.1 | | | | 0.32 | | 0.68 |
| 8/28/2019 | | | | <0.1 | | | | 0.098 (J) | |
| 8/29/2019 | 0.054 (J) | 0.095 (J) | | | 0.52 | 0.78 | | | |
| 10/15/2019 | | | <0.1 | | | | | | |
| 10/16/2019 | | | | | | | 0.32 | 0.14 (J) | |
| 10/17/2019 | | | | <0.1 | 0.46 | | | | 1.2 |
| 10/18/2019 | <0.1 | 0.079 (J) | | | | 0.46 | | | |
| 3/2/2020 | | | <0.1 | | | | 0.33 | | |
| 3/3/2020 | <0.1 | | | | | | | <0.1 | 1.4 |
| 3/4/2020 | | 0.075 (J) | | <0.1 | 0.74 | 0.7 | | | |
| 8/11/2020 | | | | | | | | | 1.3 |
| 8/12/2020 | | | <0.1 | | 0.22 | | 0.13 | 0.056 (J) | |
| 8/13/2020 | | 0.1 | | <0.1 | | 0.47 | | | |
| 8/14/2020 | <0.1 | | | | | | | | |
| 9/22/2020 | | | <0.1 | <0.1 | | | 0.12 | | 0.99 |
| 9/23/2020 | | | | | 0.11 | 0.32 | | <0.1 | |
| 9/24/2020 | <0.1 | 0.075 (J) | | | | | | | |
| 3/1/2021 | | | <0.1 | | | | | | |
| 3/2/2021 | | | | | | | 0.15 | 0.059 (J) | 0.93 |
| 3/3/2021 | <0.1 | 0.063 (J) | | <0.1 | 0.71 | 0.67 | | | |
| 9/9/2021 | | 0.084 (J) | | | | | | | |

Time Series

Constituent: Fluoride (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-22 | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 | DGWC-48 | DGWC-5 | DGWC-8 | DGWC-9 |
|-----------|-----------|-----------|-----------|---------|---------|---------|--------|-----------|--------|
| 9/10/2021 | <0.1 | | <0.1 | | 0.22 | 0.47 | 0.16 | | 2 |
| 9/13/2021 | | | | <0.1 | | | | 0.069 (J) | |
| 1/20/2022 | <0.1 | <0.1 | | <0.1 | | | | | |
| 1/21/2022 | | | | | 0.64 | | | | |
| 1/24/2022 | | | <0.1 | | | 0.59 | 0.19 | | |
| 1/25/2022 | | | | | | | | <0.1 | |
| 1/26/2022 | | | | | | | | | 1.2 |
| 9/13/2022 | | | | <0.1 | 0.47 | 0.43 | | | |
| 9/14/2022 | | | | | | | 0.27 | | |
| 9/15/2022 | | | | | | | | 0.077 (J) | |
| 9/16/2022 | 0.068 (J) | | | | | | | | |
| 9/19/2022 | | | 0.061 (J) | | | | | | 0.8 |
| 9/20/2022 | | 0.11 | | | | | | | |
| 2/1/2023 | | | | <0.1 | | | | | |
| 2/3/2023 | | | 0.096 (J) | | 0.45 | 0.48 | | | 0.9 |
| 2/6/2023 | 0.057 (J) | 0.076 (J) | | | | | | | |
| 2/7/2023 | | | | | | | 0.22 | 0.13 | |
| 3/21/2023 | | | | | | | | | |
| 4/10/2023 | | | | | | | | | |
| 9/11/2023 | 0.054 (J) | 0.1 | | | | | | | |
| 9/12/2023 | | | | | 0.51 | | | 0.091 (J) | |
| 9/13/2023 | | | <0.1 | <0.1 | | 0.51 | 0.14 | | |
| 9/14/2023 | | | | | | | | | |

Time Series

Constituent: Fluoride (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

8/30/2016
8/31/2016
9/1/2016
9/2/2016
9/7/2016
12/6/2016
12/8/2016
3/28/2017
3/29/2017
3/30/2017
3/31/2017
5/12/2017
6/15/2017
7/11/2017
7/12/2017
7/13/2017
10/24/2017
10/25/2017
10/26/2017
11/15/2017
2/27/2018
2/28/2018
3/1/2018
3/2/2018
7/11/2018
7/12/2018
11/6/2018
11/7/2018
11/8/2018
3/12/2019
3/14/2019
8/27/2019
8/28/2019
8/29/2019
10/15/2019
10/16/2019
10/17/2019
10/18/2019
3/2/2020
3/3/2020
3/4/2020
8/11/2020
8/12/2020
8/13/2020
8/14/2020
9/22/2020
9/23/2020
9/24/2020
3/1/2021
3/2/2021
3/3/2021
9/9/2021

Time Series

Constituent: Fluoride (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

| | |
|-----------|-----------|
| 9/10/2021 | |
| 9/13/2021 | |
| 1/20/2022 | |
| 1/21/2022 | |
| 1/24/2022 | |
| 1/25/2022 | |
| 1/26/2022 | |
| 9/13/2022 | |
| 9/14/2022 | |
| 9/15/2022 | |
| 9/16/2022 | |
| 9/19/2022 | |
| 9/20/2022 | |
| 2/1/2023 | |
| 2/3/2023 | |
| 2/6/2023 | |
| 2/7/2023 | |
| 3/21/2023 | 0.099 (J) |
| 4/10/2023 | 0.13 |
| 9/11/2023 | |
| 9/12/2023 | |
| 9/13/2023 | |
| 9/14/2023 | <0.1 |

Time Series

Constituent: Lead (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-100 | B-101D | B-102D | B-104D | B-106D | B-107D | B-108D | B-111D | B-120D |
|------------|-------------|-------------|-------------|-------------|--------|-------------|--------|-------------|-------------|
| 1/30/2019 | | | | | | | | | |
| 9/11/2019 | | | | | | | | | |
| 10/21/2019 | | | | | | | | | |
| 8/13/2020 | | | | | | | | | |
| 8/17/2020 | 8.8E-05 (J) | | | | | | | | |
| 9/24/2020 | | | | | | | | | |
| 9/25/2020 | 0.00021 (J) | | | | | | | | |
| 9/28/2020 | | | | | | | | | |
| 12/9/2020 | | | | 5.1E-05 (J) | | 4.4E-05 (J) | <0.001 | 5.8E-05 (J) | |
| 12/17/2020 | | | 3.7E-05 (J) | | <0.001 | | | | |
| 1/11/2021 | | | 5E-05 (J) | | | | | | |
| 1/12/2021 | | <0.001 | | <0.001 | | | | 5.1E-05 (J) | |
| 3/3/2021 | | | | | | | | | |
| 3/4/2021 | | | 5.9E-05 (J) | <0.001 | <0.001 | <0.001 | <0.001 | | |
| 3/5/2021 | | 6.5E-05 (J) | | | | | | <0.001 | |
| 3/8/2021 | 0.00018 (J) | | | | | | | | |
| 3/12/2021 | | | | | | | | | |
| 4/15/2021 | | | | | | | | | 0.00019 (J) |
| 9/9/2021 | | | | | | | | | |
| 9/10/2021 | | | <0.001 | | | | | | |
| 9/13/2021 | <0.001 | <0.001 | | | <0.001 | <0.001 | | | |
| 9/14/2021 | | | | <0.001 | | | <0.001 | <0.001 | <0.001 |
| 1/20/2022 | | | | | | | | | <0.001 |
| 1/21/2022 | <0.001 | | | | | | | | |
| 1/24/2022 | | | | <0.001 | | <0.001 | <0.001 | <0.001 | |
| 1/25/2022 | | | | | <0.001 | | | | |
| 1/26/2022 | | <0.001 | | | | | | | |
| 1/27/2022 | | | <0.001 | | | | | | |
| 6/6/2022 | | | | | | | | | |
| 9/8/2022 | <0.001 | | | | | | | | |
| 9/13/2022 | | | | <0.001 | | | | | |
| 9/14/2022 | | | | | | <0.001 | | <0.001 | |
| 9/15/2022 | | | <0.001 | | | | <0.001 | | |
| 9/16/2022 | | <0.001 | | | <0.001 | | | | |
| 9/19/2022 | | | | | | | | | <0.001 |
| 2/2/2023 | <0.001 | | <0.001 | | | | | | |
| 2/3/2023 | | <0.001 | | <0.001 | | | | | <0.001 |
| 2/6/2023 | | | | | | <0.001 | | | |
| 2/7/2023 | | | | | <0.001 | | <0.001 | <0.001 | |
| 9/6/2023 | <0.001 | | | | | | | | |
| 9/7/2023 | | | | | | | | | |
| 9/8/2023 | | <0.001 | | | | | | | |
| 9/11/2023 | | | <0.001 | | <0.001 | | | | |
| 9/12/2023 | | | | | | <0.001 | | | <0.001 |
| 9/13/2023 | | | | <0.001 | | | 0.0025 | <0.001 | |

Time Series

Constituent: Lead (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-122D | B-56 | B-62 |
|------------|--------|-------------|--------|
| 1/30/2019 | | | <0.001 |
| 9/11/2019 | | | <0.001 |
| 10/21/2019 | | | <0.001 |
| 8/13/2020 | | | <0.001 |
| 8/17/2020 | | 0.00022 (J) | |
| 9/24/2020 | | | <0.001 |
| 9/25/2020 | | | |
| 9/28/2020 | | 9.1E-05 (J) | |
| 12/9/2020 | | | |
| 12/17/2020 | | | |
| 1/11/2021 | | | |
| 1/12/2021 | | | |
| 3/3/2021 | | 0.0001 (J) | |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/8/2021 | | | |
| 3/12/2021 | | | <0.001 |
| 4/15/2021 | | | |
| 9/9/2021 | | | <0.001 |
| 9/10/2021 | | | |
| 9/13/2021 | | <0.001 | |
| 9/14/2021 | | | |
| 1/20/2022 | | | <0.001 |
| 1/21/2022 | | | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | | | |
| 1/27/2022 | | <0.001 | |
| 6/6/2022 | <0.001 | | |
| 9/8/2022 | | | <0.001 |
| 9/13/2022 | | | |
| 9/14/2022 | | | |
| 9/15/2022 | | | |
| 9/16/2022 | | <0.001 | |
| 9/19/2022 | | | |
| 2/2/2023 | | | <0.001 |
| 2/3/2023 | | | |
| 2/6/2023 | <0.001 | | |
| 2/7/2023 | | <0.001 | |
| 9/6/2023 | | | |
| 9/7/2023 | <0.001 | | <0.001 |
| 9/8/2023 | | <0.001 | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |
| 9/13/2023 | | | |

Time Series

Constituent: Lead (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|------------|-------------|--------|-------------|-------------|-------------|-------------|--------|-------------|--------|
| 3/28/2017 | | | | | | | | | |
| 5/11/2017 | | | | | | | | | |
| 5/15/2017 | | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 7/11/2017 | | | | | | | | | |
| 7/12/2017 | | | | | | | | | |
| 8/8/2017 | | | | | | | | | |
| 10/24/2017 | | | | | | | | | |
| 2/27/2018 | | | | | | | | | |
| 3/8/2018 | | | | | | | | | |
| 7/12/2018 | | | | | | | | | |
| 11/6/2018 | | | | | | | | | |
| 11/7/2018 | | | | | | | | | |
| 1/28/2019 | <0.001 | | | | | | | | |
| 1/30/2019 | | <0.001 | | | | | | | |
| 8/27/2019 | | | | | | | | | |
| 8/28/2019 | | | | | | | | | |
| 9/11/2019 | 4.7E-05 (J) | | | | | | | | |
| 9/12/2019 | | <0.001 | | | | | | | |
| 9/18/2019 | | | 0.00032 (J) | | | | | | |
| 9/23/2019 | | | | 0.00016 (J) | | | | | |
| 10/15/2019 | | | | | | | | | |
| 10/16/2019 | | | | | | | | | |
| 10/21/2019 | | <0.001 | | <0.001 | 0.00012 (J) | | | | |
| 10/22/2019 | 7.3E-05 (J) | | | | | | | | |
| 10/24/2019 | | | <0.001 | | | | | | |
| 3/2/2020 | | | | | | | | | |
| 3/9/2020 | | | | | | | | | |
| 8/11/2020 | | | | | | | | | |
| 8/13/2020 | | | 0.0016 (J) | | | | | | |
| 8/14/2020 | | | | | 0.00092 (J) | | | | |
| 8/17/2020 | | | | 5.9E-05 (J) | | 0.00081 (J) | | | |
| 8/19/2020 | | | | | | | | 0.00012 (J) | |
| 9/22/2020 | | | | | | | | | |
| 9/24/2020 | | | 0.00021 (J) | | | | | | |
| 9/25/2020 | | | | | 6.5E-05 (J) | 0.00035 (J) | | | |
| 9/28/2020 | | | | 0.00011 (J) | | | | 0.00012 (J) | |
| 3/1/2021 | | | | | | | | | |
| 3/4/2021 | | | 0.00029 (J) | | 0.00017 (J) | | | | |
| 3/5/2021 | | | | | | 0.012 | | | |
| 3/9/2021 | | | | | | | | <0.001 | |
| 3/12/2021 | | | | | | | | | |
| 9/9/2021 | | | | | | | | | |
| 9/13/2021 | | | | | | <0.001 | | | |
| 9/14/2021 | <0.001 | <0.001 | <0.001 | <0.001 | | | | | |
| 9/15/2021 | | | | | | | <0.001 | <0.001 | <0.001 |
| 9/16/2021 | | | | | <0.001 | | | | |
| 1/18/2022 | | | | | | | | | |
| 1/20/2022 | <0.001 | | <0.001 | | | | | | |
| 1/21/2022 | | | | | <0.001 | | | | |
| 1/25/2022 | | <0.001 | | <0.001 | | | | | |
| 1/26/2022 | | | | | | | <0.001 | <0.001 | <0.001 |

Time Series

Constituent: Lead (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|-----------|--------|--------|--------|--------|--------|------------|--------|--------|--------|
| 1/27/2022 | | | | | | 0.0022 | | | |
| 1/28/2022 | | | | | | | | | |
| 9/7/2022 | | | | | | | | | |
| 9/8/2022 | | | | | | | | | |
| 9/12/2022 | | | | | | | <0.001 | <0.001 | |
| 9/13/2022 | | | <0.001 | | <0.001 | | | | <0.001 |
| 9/14/2022 | <0.001 | | | | | | | | |
| 9/16/2022 | | <0.001 | | <0.001 | | <0.001 | | | |
| 1/31/2023 | | | | | | | <0.001 | <0.001 | |
| 2/1/2023 | | | | | | | | | <0.001 |
| 2/2/2023 | <0.001 | | | | | | | | |
| 2/3/2023 | | | | | <0.001 | | | | |
| 2/6/2023 | | | <0.001 | | | | | | |
| 2/7/2023 | | <0.001 | | <0.001 | | <0.001 | | | |
| 9/6/2023 | | | | | | | <0.001 | <0.001 | <0.001 |
| 9/7/2023 | <0.001 | | | | | | | | |
| 9/11/2023 | | <0.001 | | <0.001 | | | | | |
| 9/12/2023 | | | <0.001 | | <0.001 | 0.0009 (J) | | | |

Time Series

Constituent: Lead (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|------------|--------|--------------|---------------|
| 3/28/2017 | | <0.001 | 9E-05 (J) |
| 5/11/2017 | | <0.001 | |
| 5/15/2017 | | | 0.0001 (J) |
| 6/15/2017 | | <0.001 | 0.0002 (J) |
| 7/11/2017 | | | <0.001 |
| 7/12/2017 | | <0.001 | |
| 8/8/2017 | | | 7E-05 (J) |
| 10/24/2017 | | <0.001 | <0.001 |
| 2/27/2018 | | | <0.001 |
| 3/8/2018 | | <0.001 | |
| 7/12/2018 | | <0.001 | |
| 11/6/2018 | | | <0.001 |
| 11/7/2018 | | <0.001 | |
| 1/28/2019 | | | |
| 1/30/2019 | | | |
| 8/27/2019 | | | 7.8E-05 (J) |
| 8/28/2019 | | <0.001 | |
| 9/11/2019 | | | |
| 9/12/2019 | | | |
| 9/18/2019 | | | |
| 9/23/2019 | | | |
| 10/15/2019 | | | <0.001 |
| 10/16/2019 | | <0.001 | |
| 10/21/2019 | | | |
| 10/22/2019 | | | |
| 10/24/2019 | | | |
| 3/2/2020 | | | 7.4E-05 (J) |
| 3/9/2020 | | <0.001 | |
| 8/11/2020 | | | 0.0003 (J) |
| 8/13/2020 | | <0.001 | |
| 8/14/2020 | | | |
| 8/17/2020 | | | |
| 8/19/2020 | | | |
| 9/22/2020 | | <0.001 | 7.8E-05 (J) |
| 9/24/2020 | | | |
| 9/25/2020 | | | |
| 9/28/2020 | | | |
| 3/1/2021 | | | <0.001 |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/9/2021 | | | |
| 3/12/2021 | | <0.001 | |
| 9/9/2021 | | <0.001 | <0.001 |
| 9/13/2021 | | | |
| 9/14/2021 | | | |
| 9/15/2021 | <0.001 | | |
| 9/16/2021 | | | |
| 1/18/2022 | | | <0.001 |
| 1/20/2022 | | | |
| 1/21/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | <0.001 | | |

Time Series

Constituent: Lead (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|-----------|--------|--------------|---------------|
| 1/27/2022 | | | |
| 1/28/2022 | | <0.001 | |
| 9/7/2022 | | | <0.001 |
| 9/8/2022 | | <0.001 | |
| 9/12/2022 | | | |
| 9/13/2022 | <0.001 | | |
| 9/14/2022 | | | |
| 9/16/2022 | | | |
| 1/31/2023 | <0.001 | | <0.001 |
| 2/1/2023 | | <0.001 | |
| 2/2/2023 | | | |
| 2/3/2023 | | | |
| 2/6/2023 | | | |
| 2/7/2023 | | | |
| 9/6/2023 | <0.001 | | <0.001 |
| 9/7/2023 | | <0.001 | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |

Time Series

Constituent: Lead (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWA-71 (bg) | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 |
|------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 8/31/2016 | | <0.01 | <0.001 | | | <0.001 | | | |
| 9/1/2016 | | | | <0.001 | | | | | <0.001 |
| 9/2/2016 | | | | | | | | | |
| 9/6/2016 | | | | | <0.001 | | <0.001 | | |
| 9/7/2016 | | | | | | | | <0.001 | |
| 12/6/2016 | | <0.01 | <0.001 | | | <0.001 | | | |
| 12/7/2016 | | | | <0.001 | <0.001 | | 0.0002 (J) | | <0.001 |
| 12/8/2016 | | | | | | | | <0.001 | |
| 3/28/2017 | <0.001 | | | | | | | | |
| 3/29/2017 | | <0.01 | <0.001 | <0.001 | | <0.001 | | | <0.001 |
| 3/30/2017 | | | | | 0.0002 (J) | | 0.0001 (J) | 0.0001 (J) | |
| 5/11/2017 | | | | | | | | | |
| 5/12/2017 | 8E-05 (J) | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 6/16/2017 | <0.001 | | | | | | | | |
| 7/11/2017 | <0.001 | | | | | | | | |
| 7/12/2017 | | <0.01 | <0.001 | <0.001 | <0.001 | <0.001 | 0.0001 (J) | <0.001 | <0.001 |
| 10/24/2017 | <0.001 | <0.01 | <0.001 | | | | | | |
| 10/25/2017 | | | | <0.001 | | <0.001 | <0.001 | <0.001 | <0.001 |
| 11/15/2017 | | | | | <0.001 | | | | |
| 2/27/2018 | <0.001 | <0.01 | <0.001 | <0.001 | | <0.001 | | | |
| 2/28/2018 | | | | | <0.001 | | <0.001 | <0.001 | <0.001 |
| 7/11/2018 | | | | <0.001 | | <0.001 | <0.001 | <0.001 | <0.001 |
| 11/6/2018 | <0.001 | <0.01 | <0.001 | | | | | | |
| 11/7/2018 | | | | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| 8/27/2019 | <0.001 | 0.00024 (J) | 0.00012 (J) | 0.0001 (J) | | <0.001 | | 9E-05 (J) | |
| 8/28/2019 | | | | | <0.001 | | 5.9E-05 (J) | | 0.00026 (J) |
| 8/29/2019 | | | | | | | | | |
| 9/17/2019 | | | | <0.001 | | | | | |
| 10/15/2019 | <0.001 | 0.00014 (J) | 7.6E-05 (J) | <0.001 | | | | | |
| 10/16/2019 | | | | | <0.001 | <0.001 | | | <0.001 |
| 10/17/2019 | | | | | | | <0.001 | | |
| 10/18/2019 | | | | | | | | 7.4E-05 (J) | |
| 3/2/2020 | <0.001 | | 0.00015 (J) | <0.001 | | | | | |
| 3/3/2020 | | 0.00011 (J) | | | <0.001 | <0.001 | <0.001 | | 7E-05 (J) |
| 3/4/2020 | | | | | | | | 0.00013 (J) | |
| 8/11/2020 | <0.001 | 7E-05 (J) | 5.3E-05 (J) | <0.001 | | 9.6E-05 (J) | | | 5.3E-05 (J) |
| 8/12/2020 | | | | | <0.001 | | | | |
| 8/13/2020 | | | | | | | 0.0012 (J) | | |
| 8/14/2020 | | | | | | | | 0.00017 (J) | |
| 9/22/2020 | <0.001 | | 0.0001 (J) | 0.00011 (J) | | 4.4E-05 (J) | | | 0.00016 (J) |
| 9/23/2020 | | | | | 9.8E-05 (J) | | 8.2E-05 (J) | | |
| 9/24/2020 | | 0.00013 (J) | | | | | | 7.9E-05 (J) | |
| 3/1/2021 | <0.001 | | | | | | | | |
| 3/2/2021 | | | <0.001 | | <0.001 | 8.3E-05 (J) | <0.001 | | 4.5E-05 (J) |
| 3/3/2021 | | | | <0.001 | | | | 0.00015 (J) | |
| 3/4/2021 | | 9.2E-05 (J) | | | | | | | |
| 9/8/2021 | <0.001 | | | | | | | | |
| 9/9/2021 | | | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | | <0.001 |
| 9/10/2021 | | <0.01 | | | | | | | |
| 9/13/2021 | | | | | | | | <0.001 | |
| 1/18/2022 | <0.001 | | | | | | | | |

Time Series

Constituent: Lead (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWA-71 (bg) | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 |
|-----------|--------------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1/20/2022 | | | | | | | | | |
| 1/21/2022 | | | | | | | | | |
| 1/24/2022 | | | | | | | <0.001 | <0.001 | |
| 1/25/2022 | | | <0.001 | <0.001 | <0.001 | <0.001 | | | <0.001 |
| 1/26/2022 | | <0.01 | | | | | | | |
| 9/7/2022 | <0.001 | | | | | | | | |
| 9/13/2022 | | | | | | <0.001 | <0.001 | | |
| 9/14/2022 | | | | | | | | <0.001 | <0.001 |
| 9/15/2022 | | <0.01 | <0.001 | <0.001 | <0.001 | | | | |
| 9/20/2022 | | | | | | | | | |
| 1/31/2023 | <0.001 | | | | | | | | |
| 2/1/2023 | | | | | <0.001 | <0.001 | | | |
| 2/2/2023 | | <0.01 | | | | | <0.001 | | |
| 2/6/2023 | | | <0.001 | <0.001 | | | | <0.001 | <0.001 |
| 2/7/2023 | | | | | | | | | |
| 9/6/2023 | <0.001 | | | | | | | | |
| 9/8/2023 | | | <0.001 | | <0.001 | <0.001 | <0.001 | | <0.001 |
| 9/11/2023 | | <0.01 | | <0.001 | | | | | |
| 9/13/2023 | | | | | | | | <0.001 | |

Time Series

Constituent: Lead (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|------------|-------------|-------------|-------------|
| 8/31/2016 | | | |
| 9/1/2016 | | | |
| 9/2/2016 | | <0.1 | 0.0002 (J) |
| 9/6/2016 | | | |
| 9/7/2016 | | | |
| 12/6/2016 | | | |
| 12/7/2016 | | <0.1 | |
| 12/8/2016 | | | <0.001 |
| 3/28/2017 | | | |
| 3/29/2017 | | <0.1 | |
| 3/30/2017 | 0.0001 (J) | | 0.0004 (J) |
| 5/11/2017 | 9E-05 (J) | | |
| 5/12/2017 | | | |
| 6/15/2017 | 0.0001 (J) | | |
| 6/16/2017 | | | |
| 7/11/2017 | <0.001 | | |
| 7/12/2017 | | <0.1 | 0.0001 (J) |
| 10/24/2017 | <0.001 | | |
| 10/25/2017 | | <0.1 | <0.001 |
| 11/15/2017 | | | |
| 2/27/2018 | <0.001 | | |
| 2/28/2018 | | <0.1 | <0.001 |
| 7/11/2018 | <0.001 | <0.1 | <0.001 |
| 11/6/2018 | <0.001 | | |
| 11/7/2018 | | <0.1 | <0.001 |
| 8/27/2019 | 6E-05 (J) | | |
| 8/28/2019 | | | |
| 8/29/2019 | | 0.00015 (J) | 0.00023 (J) |
| 9/17/2019 | | | |
| 10/15/2019 | | | |
| 10/16/2019 | | | |
| 10/17/2019 | 8.6E-05 (J) | 9.7E-05 (J) | 4.6E-05 (J) |
| 10/18/2019 | | | |
| 3/2/2020 | | | |
| 3/3/2020 | <0.001 | | 0.00015 (J) |
| 3/4/2020 | | 0.00068 (J) | |
| 8/11/2020 | 6.4E-05 (J) | | |
| 8/12/2020 | | | |
| 8/13/2020 | | 0.00044 (J) | |
| 8/14/2020 | | | <0.001 |
| 9/22/2020 | | 0.00013 (J) | |
| 9/23/2020 | 9.4E-05 (J) | | |
| 9/24/2020 | | | 0.00014 (J) |
| 3/1/2021 | | | |
| 3/2/2021 | 0.00014 (J) | 0.00047 (J) | |
| 3/3/2021 | | | <0.001 |
| 3/4/2021 | | | |
| 9/8/2021 | | | |
| 9/9/2021 | <0.001 | | <0.001 |
| 9/10/2021 | | <0.1 | |
| 9/13/2021 | | | |
| 1/18/2022 | | | |

Time Series

Constituent: Lead (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|-----------|--------|---------|---------|
| 1/20/2022 | <0.001 | | <0.001 |
| 1/21/2022 | | <0.1 | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | | | |
| 9/7/2022 | | | |
| 9/13/2022 | | | |
| 9/14/2022 | | | |
| 9/15/2022 | | <0.1 | <0.001 |
| 9/20/2022 | <0.001 | | |
| 1/31/2023 | | | |
| 2/1/2023 | | | |
| 2/2/2023 | | | |
| 2/6/2023 | <0.001 | | |
| 2/7/2023 | | <0.1 | <0.001 |
| 9/6/2023 | | | |
| 9/8/2023 | | | |
| 9/11/2023 | | <0.1 | <0.001 |
| 9/13/2023 | <0.001 | | |

Time Series

Constituent: Lead (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-22 | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 | DGWC-48 | DGWC-5 | DGWC-8 | DGWC-9 |
|------------|---------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 8/30/2016 | | | | | | | | <0.001 | <0.005 |
| 8/31/2016 | | | | | | | 0.0002 (J) | | |
| 9/1/2016 | | | | | 0.0005 (J) | 0.0008 (J) | | | |
| 9/2/2016 | <0.001 | | | | | | | | |
| 9/7/2016 | | | | 0.0002 (J) | | | | | |
| 12/6/2016 | | | | | | | 0.0004 (J) | <0.001 | <0.005 |
| 12/8/2016 | <0.001 | | | 0.0002 (J) | <0.001 | 0.0019 (J) | | | |
| 3/28/2017 | | | 0.0002 (J) | | | | <0.001 | | <0.005 |
| 3/29/2017 | <0.001 | | | | | | | 0.0001 (J) | |
| 3/30/2017 | | <0.001 | | | | 0.0035 (J) | | | |
| 3/31/2017 | | | | 0.0004 (J) | 0.0009 (J) | | | | |
| 5/12/2017 | | <0.001 | <0.001 | | | | | | |
| 6/15/2017 | | <0.001 | <0.001 | | | | | | |
| 7/11/2017 | | | <0.001 | | | | <0.001 | <0.001 | <0.005 |
| 7/12/2017 | | <0.001 | | | | | | | |
| 7/13/2017 | <0.001 | | | 0.0004 (J) | 0.0007 (J) | 0.002 (J) | | | |
| 10/24/2017 | | | <0.001 | | | | | <0.001 | <0.005 |
| 10/25/2017 | <0.001 | | | 0.0002 (J) | | | 0.0024 (J) | | |
| 10/26/2017 | | <0.001 | | | 0.0009 (J) | 0.0022 (J) | | | |
| 2/27/2018 | | | <0.001 | | | | <0.001 | <0.001 | <0.005 |
| 2/28/2018 | <0.001 | | | <0.001 | | | | | |
| 3/1/2018 | | <0.001 | | | <0.001 | | | | |
| 3/2/2018 | | | | | | <0.001 | | | |
| 7/11/2018 | | | | 0.00052 (J) | | | | | <0.005 |
| 7/12/2018 | <0.001 | <0.001 | | | 0.001 (J) | 0.0014 (J) | | | |
| 11/6/2018 | | | <0.001 | | | | <0.001 | <0.001 | <0.005 |
| 11/7/2018 | <0.001 | | | <0.005 (J) | <0.005 (J) | <0.005 (J) | | | |
| 11/8/2018 | | <0.001 | | | | | | | |
| 8/27/2019 | | | 4.9E-05 (J) | | | | 5.1E-05 (J) | | <0.005 |
| 8/28/2019 | | | | 0.00036 (J) | | | | 8.2E-05 (J) | |
| 8/29/2019 | <0.001 | 6.6E-05 (J) | | | 0.0006 (J) | 0.001 (J) | | | |
| 10/15/2019 | | | 0.0001 (J) | | | | | | |
| 10/16/2019 | | | | | | | 8.5E-05 (J) | 0.00029 (J) | |
| 10/17/2019 | | | | 0.00026 (J) | 0.0011 (J) | | | | <0.005 |
| 10/18/2019 | <0.001 | <0.001 | | | | 0.00095 (J) | | | |
| 3/2/2020 | | | <0.001 | | | | 5.1E-05 (J) | | |
| 3/3/2020 | <0.001 | | | | | | | 0.00023 (J) | 0.00017 (J) |
| 3/4/2020 | | <0.001 | | 0.0001 (J) | 0.00088 (J) | 0.0012 (J) | | | |
| 8/11/2020 | | | | | | | | | <0.005 |
| 8/12/2020 | | | <0.001 | | 0.0004 (J) | | 6.3E-05 (J) | 0.0007 (J) | |
| 8/13/2020 | | <0.001 | | 0.0016 (J) | | 0.00092 (J) | | | |
| 8/14/2020 | <0.001 | | | | | | | | |
| 9/22/2020 | | | <0.001 | 0.00074 (J) | | | 4.8E-05 (J) | | 0.00015 (J) |
| 9/23/2020 | | | | | 0.00053 (J) | 0.001 (J) | | 0.00011 (J) | |
| 9/24/2020 | <0.001 | <0.001 | | | | | | | |
| 3/1/2021 | | | 0.00012 (J) | | | | | | |
| 3/2/2021 | | | | | | | 8E-05 (J) | 0.00027 (J) | 0.00028 (J) |
| 3/3/2021 | <0.001 | <0.001 | | 0.00024 (J) | 0.0007 (J) | 0.0011 | | | |
| 9/9/2021 | | <0.001 | | | | | | | |
| 9/10/2021 | <0.001 | | <0.001 | | <0.001 | 0.00099 (J) | <0.001 | | <0.005 |
| 9/13/2021 | | | | <0.001 | | | | <0.001 | |
| 1/20/2022 | <0.001 | <0.001 | | <0.001 | | | | | |

Time Series

Constituent: Lead (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-22 | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 | DGWC-48 | DGWC-5 | DGWC-8 | DGWC-9 |
|-----------|---------|---------|--------|-------------|-------------|-------------|--------|--------|--------|
| 1/21/2022 | | | | | <0.001 | | | | |
| 1/24/2022 | | | <0.001 | | | 0.0011 | <0.001 | | |
| 1/25/2022 | | | | | | | | <0.001 | |
| 1/26/2022 | | | | | | | | | <0.005 |
| 9/13/2022 | | | | <0.001 | <0.001 | 0.00093 (J) | | | |
| 9/14/2022 | | | | | | | <0.001 | | |
| 9/15/2022 | | | | | | | | <0.001 | |
| 9/16/2022 | <0.001 | | | | | | | | |
| 9/19/2022 | | | <0.001 | | | | | | <0.005 |
| 9/20/2022 | | <0.001 | | | | | | | |
| 2/1/2023 | | | | <0.001 | | | | | |
| 2/3/2023 | | | <0.001 | | <0.001 | <0.001 | | | <0.005 |
| 2/6/2023 | <0.001 | <0.001 | | | | | | | |
| 2/7/2023 | | | | | | | <0.001 | <0.001 | |
| 9/11/2023 | <0.001 | <0.001 | | | | | | | |
| 9/12/2023 | | | | | 0.00024 (J) | | | <0.001 | |
| 9/13/2023 | | | <0.001 | 0.00018 (J) | | 0.00082 (J) | <0.001 | | |
| 9/14/2023 | | | | | | | | | |

Time Series

Constituent: Lead (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

8/30/2016
8/31/2016
9/1/2016
9/2/2016
9/7/2016
12/6/2016
12/8/2016
3/28/2017
3/29/2017
3/30/2017
3/31/2017
5/12/2017
6/15/2017
7/11/2017
7/12/2017
7/13/2017
10/24/2017
10/25/2017
10/26/2017
2/27/2018
2/28/2018
3/1/2018
3/2/2018
7/11/2018
7/12/2018
11/6/2018
11/7/2018
11/8/2018
8/27/2019
8/28/2019
8/29/2019
10/15/2019
10/16/2019
10/17/2019
10/18/2019
3/2/2020
3/3/2020
3/4/2020
8/11/2020
8/12/2020
8/13/2020
8/14/2020
9/22/2020
9/23/2020
9/24/2020
3/1/2021
3/2/2021
3/3/2021
9/9/2021
9/10/2021
9/13/2021
1/20/2022

Time Series

Constituent: Lead (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

| | |
|-----------|-------------|
| 1/21/2022 | |
| 1/24/2022 | |
| 1/25/2022 | |
| 1/26/2022 | |
| 9/13/2022 | |
| 9/14/2022 | |
| 9/15/2022 | |
| 9/16/2022 | |
| 9/19/2022 | |
| 9/20/2022 | |
| 2/1/2023 | |
| 2/3/2023 | |
| 2/6/2023 | |
| 2/7/2023 | |
| 9/11/2023 | |
| 9/12/2023 | |
| 9/13/2023 | |
| 9/14/2023 | 0.00015 (J) |

Time Series

Constituent: Lithium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-100 | B-101D | B-102D | B-104D | B-106D | B-107D | B-108D | B-111D | B-120D |
|------------|------------|------------|------------|-----------|------------|-----------|-----------|-----------|--------|
| 1/30/2019 | | | | | | | | | |
| 9/11/2019 | | | | | | | | | |
| 10/21/2019 | | | | | | | | | |
| 8/13/2020 | | | | | | | | | |
| 8/17/2020 | 0.0013 (J) | | | | | | | | |
| 9/24/2020 | | | | | | | | | |
| 9/25/2020 | 0.0027 (J) | | | | | | | | |
| 9/28/2020 | | | | | | | | | |
| 12/9/2020 | | | | 0.039 (J) | | 0.017 (J) | 0.016 (J) | 0.021 (J) | |
| 12/17/2020 | | | 0.012 (J) | | 0.0048 (J) | | | | |
| 1/11/2021 | | | 0.015 (J) | | | | | | |
| 1/12/2021 | | 0.012 (J) | | 0.039 | | | | 0.021 (J) | |
| 3/3/2021 | | | | | | | | | |
| 3/4/2021 | | | 0.014 (J) | 0.038 | 0.0054 (J) | 0.015 (J) | 0.014 (J) | | |
| 3/5/2021 | | 0.015 (J) | | | | | | 0.028 (J) | |
| 3/8/2021 | 0.0024 (J) | | | | | | | | |
| 3/12/2021 | | | | | | | | | |
| 4/15/2021 | | | | | | | | | 0.088 |
| 9/9/2021 | | | | | | | | | |
| 9/10/2021 | | | 0.012 (J) | | | | | | |
| 9/13/2021 | 0.0022 (J) | 0.011 (J) | | | 0.0056 (J) | 0.014 (J) | | | |
| 9/14/2021 | | | | 0.036 | | | 0.015 (J) | 0.029 (J) | 0.077 |
| 1/20/2022 | | | | | | | | | 0.079 |
| 1/21/2022 | 0.0021 (J) | | | | | | | | |
| 1/24/2022 | | | | 0.036 | | 0.015 (J) | 0.014 (J) | 0.026 (J) | |
| 1/25/2022 | | | | | 0.0055 (J) | | | | |
| 1/26/2022 | | 0.0098 (J) | | | | | | | |
| 1/27/2022 | | | 0.013 (J) | | | | | | |
| 6/6/2022 | | | | | | | | | |
| 9/8/2022 | 0.0023 (J) | | | | | | | | |
| 9/13/2022 | | | | 0.04 | | | | | |
| 9/14/2022 | | | | | | 0.015 (J) | | 0.02 (J) | |
| 9/15/2022 | | | 0.013 (J) | | | | 0.016 (J) | | |
| 9/16/2022 | | 0.011 (J) | | | 0.0054 (J) | | | | |
| 9/19/2022 | | | | | | | | | 0.076 |
| 2/2/2023 | <0.03 | | 0.011 (J) | | | | | | |
| 2/3/2023 | | 0.008 (J) | | 0.037 | | | | | 0.068 |
| 2/6/2023 | | | | | | 0.014 (J) | | | |
| 2/7/2023 | | | | | 0.0053 (J) | | 0.014 (J) | 0.018 (J) | |
| 9/6/2023 | 0.0023 (J) | | | | | | | | |
| 9/7/2023 | | | | | | | | | |
| 9/8/2023 | | 0.015 (J) | | | | | | | |
| 9/11/2023 | | | 0.0091 (J) | | 0.0045 (J) | | | | |
| 9/12/2023 | | | | | | 0.012 (J) | | | 0.044 |
| 9/13/2023 | | | | 0.04 | | | 0.014 (J) | 0.019 (J) | |

Time Series

Constituent: Lithium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-122D | B-56 | B-62 |
|------------|-----------|------------|------------|
| 1/30/2019 | | | <0.05 |
| 9/11/2019 | | | 0.0078 (J) |
| 10/21/2019 | | | 0.0078 (J) |
| 8/13/2020 | | | 0.0087 (J) |
| 8/17/2020 | | 0.0056 (J) | |
| 9/24/2020 | | | 0.0084 (J) |
| 9/25/2020 | | | |
| 9/28/2020 | | 0.005 (J) | |
| 12/9/2020 | | | |
| 12/17/2020 | | | |
| 1/11/2021 | | | |
| 1/12/2021 | | | |
| 3/3/2021 | | 0.0051 (J) | |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/8/2021 | | | |
| 3/12/2021 | | | 0.0087 (J) |
| 4/15/2021 | | | |
| 9/9/2021 | | | 0.0094 (J) |
| 9/10/2021 | | | |
| 9/13/2021 | | 0.0055 (J) | |
| 9/14/2021 | | | |
| 1/20/2022 | | | 0.0092 (J) |
| 1/21/2022 | | | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | | | |
| 1/27/2022 | | 0.0061 (J) | |
| 6/6/2022 | 0.013 (J) | | |
| 9/8/2022 | | | 0.0085 (J) |
| 9/13/2022 | | | |
| 9/14/2022 | | | |
| 9/15/2022 | | | |
| 9/16/2022 | | 0.0057 (J) | |
| 9/19/2022 | | | |
| 2/2/2023 | | | 0.0082 (J) |
| 2/3/2023 | | | |
| 2/6/2023 | 0.014 (J) | | |
| 2/7/2023 | | 0.0054 (J) | |
| 9/6/2023 | | | |
| 9/7/2023 | 0.013 (J) | | 0.0092 (J) |
| 9/8/2023 | | 0.0055 (J) | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |
| 9/13/2023 | | | |

Time Series

Constituent: Lithium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|------------|------------|-------------|-------------|-------------|------------|------------|-----------|-----------|------------|
| 3/28/2017 | | | | | | | | | |
| 5/11/2017 | | | | | | | | | |
| 5/15/2017 | | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 7/11/2017 | | | | | | | | | |
| 7/12/2017 | | | | | | | | | |
| 8/8/2017 | | | | | | | | | |
| 10/24/2017 | | | | | | | | | |
| 2/27/2018 | | | | | | | | | |
| 3/8/2018 | | | | | | | | | |
| 7/12/2018 | | | | | | | | | |
| 11/6/2018 | | | | | | | | | |
| 11/7/2018 | | | | | | | | | |
| 1/28/2019 | <0.05 | | | | | | | | |
| 1/30/2019 | | <0.03 | | | | | | | |
| 8/27/2019 | | | | | | | | | |
| 8/28/2019 | | | | | | | | | |
| 9/11/2019 | 0.0064 (J) | | | | | | | | |
| 9/12/2019 | | <0.03 | | | | | | | |
| 9/18/2019 | | | 0.0047 (J) | | | | | | |
| 9/23/2019 | | | | 0.0039 (J) | | | | | |
| 10/15/2019 | | | | | | | | | |
| 10/16/2019 | | | | | | | | | |
| 10/21/2019 | | <0.03 | | 0.0036 (J) | 0.003 (J) | | | | |
| 10/22/2019 | 0.0062 (J) | | | | | | | | |
| 10/24/2019 | | | 0.0036 (J) | | | | | | |
| 3/2/2020 | | | | | | | | | |
| 3/9/2020 | | | | | | | | | |
| 8/11/2020 | | | | | | | | | |
| 8/13/2020 | | | 0.0018 (J) | | | | | | |
| 8/14/2020 | | | | | 0.0045 (J) | | | | |
| 8/17/2020 | | | | 0.0016 (J) | | 0.006 (J) | | | |
| 8/19/2020 | | | | | | | | 0.011 (J) | |
| 9/22/2020 | | | | | | | | | |
| 9/24/2020 | | | 0.00095 (J) | | | | | | |
| 9/25/2020 | | | | | 0.0018 (J) | 0.0016 (J) | | | |
| 9/28/2020 | | | | 0.001 (J) | | | | 0.011 (J) | |
| 3/1/2021 | | | | | | | | | |
| 3/4/2021 | | | 0.0011 (J) | | 0.0024 (J) | | | | |
| 3/5/2021 | | | | | | 0.029 (J) | | | |
| 3/9/2021 | | | | | | | | 0.012 (J) | |
| 3/12/2021 | 0.0066 (J) | | | | | | | | |
| 9/9/2021 | | | | | | | | | |
| 9/13/2021 | | | | | | 0.0017 (J) | | | |
| 9/14/2021 | 0.0064 (J) | <0.03 | <0.03 | 0.001 (J) | | | | | |
| 9/15/2021 | | | | | | | 0.012 (J) | 0.011 (J) | 0.0042 (J) |
| 9/16/2021 | | | | | 0.0021 (J) | | | | |
| 1/18/2022 | | | | | | | | | |
| 1/20/2022 | 0.0062 (J) | | <0.03 | | | | | | |
| 1/21/2022 | | | | | 0.0022 (J) | | | | |
| 1/25/2022 | | 0.00073 (J) | | 0.00082 (J) | | | | | |
| 1/26/2022 | | | | | | | 0.015 (J) | 0.013 (J) | 0.0047 (J) |

Time Series

Constituent: Lithium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|-----------|-------------|-------|-------------|-------------|------------|------------|------------|-----------|------------|
| 1/27/2022 | | | | | | 0.0066 (J) | | | |
| 1/28/2022 | | | | | | | | | |
| 9/7/2022 | | | | | | | | | |
| 9/8/2022 | | | | | | | | | |
| 9/12/2022 | | | | | | | 0.015 (J) | 0.013 (J) | |
| 9/13/2022 | | | 0.0021 (JD) | | 0.0027 (J) | | | | 0.0052 (J) |
| 9/14/2022 | 0.0072 (JD) | | | | | | | | |
| 9/16/2022 | | <0.03 | | 0.00078 (J) | | 0.0021 (J) | | | |
| 1/31/2023 | | | | | | | 0.014 (J) | 0.011 (J) | |
| 2/1/2023 | | | | | | | | | 0.0048 (J) |
| 2/2/2023 | 0.0045 (J) | | | | | | | | |
| 2/3/2023 | | | | | 0.0025 (J) | | | | |
| 2/6/2023 | | | <0.03 | | | | | | |
| 2/7/2023 | | <0.03 | | 0.00073 (J) | | 0.0071 (J) | | | |
| 9/6/2023 | | | | | | | 0.0095 (J) | 0.013 (J) | 0.0045 (J) |
| 9/7/2023 | 0.0069 (J) | | | | | | | | |
| 9/11/2023 | | <0.03 | | <0.03 | | | | | |
| 9/12/2023 | | | <0.03 | | 0.0021 (J) | 0.004 (J) | | | |

Time Series

Constituent: Lithium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|------------|------------|--------------|---------------|
| 3/28/2017 | | 0.0108 (J) | 0.0054 (J) |
| 5/11/2017 | | 0.0087 (J) | |
| 5/15/2017 | | | 0.002 (J) |
| 6/15/2017 | | 0.0088 (J) | <0.03 |
| 7/11/2017 | | | <0.03 |
| 7/12/2017 | | 0.0075 (J) | |
| 8/8/2017 | | | <0.03 |
| 10/24/2017 | | 0.0103 (J) | <0.03 |
| 2/27/2018 | | | <0.03 |
| 3/8/2018 | | 0.011 (J) | |
| 7/12/2018 | | 0.0084 (J) | |
| 11/6/2018 | | | <0.03 |
| 11/7/2018 | | <0.05 | |
| 1/28/2019 | | | |
| 1/30/2019 | | | |
| 8/27/2019 | | | <0.03 |
| 8/28/2019 | | 0.0092 (J) | |
| 9/11/2019 | | | |
| 9/12/2019 | | | |
| 9/18/2019 | | | |
| 9/23/2019 | | | |
| 10/15/2019 | | | <0.03 |
| 10/16/2019 | | 0.0094 (J) | |
| 10/21/2019 | | | |
| 10/22/2019 | | | |
| 10/24/2019 | | | |
| 3/2/2020 | | | <0.03 |
| 3/9/2020 | | 0.0077 (J) | |
| 8/11/2020 | | | 0.0019 (J) |
| 8/13/2020 | | 0.0085 (J) | |
| 8/14/2020 | | | |
| 8/17/2020 | | | |
| 8/19/2020 | | | |
| 9/22/2020 | | 0.0089 (J) | <0.03 |
| 9/24/2020 | | | |
| 9/25/2020 | | | |
| 9/28/2020 | | | |
| 3/1/2021 | | | <0.03 |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/9/2021 | | | |
| 3/12/2021 | | 0.0083 (J) | |
| 9/9/2021 | | 0.0091 (J) | <0.03 |
| 9/13/2021 | | | |
| 9/14/2021 | | | |
| 9/15/2021 | 0.0012 (J) | | |
| 9/16/2021 | | | |
| 1/18/2022 | | | <0.03 |
| 1/20/2022 | | | |
| 1/21/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | 0.0013 (J) | | |

Time Series

Constituent: Lithium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|-----------|-------------|--------------|---------------|
| 1/27/2022 | | | |
| 1/28/2022 | | 0.0091 (J) | |
| 9/7/2022 | | | <0.03 |
| 9/8/2022 | | 0.0083 (J) | |
| 9/12/2022 | | | |
| 9/13/2022 | 0.0011 (J) | | |
| 9/14/2022 | | | |
| 9/16/2022 | | | |
| 1/31/2023 | 0.00089 (J) | | <0.03 |
| 2/1/2023 | | 0.0088 (J) | |
| 2/2/2023 | | | |
| 2/3/2023 | | | |
| 2/6/2023 | | | |
| 2/7/2023 | | | |
| 9/6/2023 | 0.00097 (J) | | <0.03 |
| 9/7/2023 | | 0.0085 (J) | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |

Time Series

Constituent: Lithium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWA-71 (bg) | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 |
|------------|--------------|------------|------------|-------------|------------|------------|------------|-------------|------------|
| 8/31/2016 | | 0.0022 (J) | 0.0022 (J) | | | 0.0031 (J) | | | |
| 9/1/2016 | | | | <0.03 | | | | | 0.0034 (J) |
| 9/2/2016 | | | | | | | | | |
| 9/6/2016 | | | | | 0.0029 (J) | | 0.0064 (J) | | |
| 9/7/2016 | | | | | | | | <0.03 | |
| 12/6/2016 | | <0.05 | 0.0027 (J) | | | 0.0042 (J) | | | |
| 12/7/2016 | | | | <0.03 | 0.003 (J) | | 0.0066 (J) | | 0.0034 (J) |
| 12/8/2016 | | | | | | | | <0.03 | |
| 3/28/2017 | 0.0025 (J) | | | | | | | | |
| 3/29/2017 | | 0.002 (J) | 0.0021 (J) | <0.03 | | 0.0041 (J) | | | 0.0031 (J) |
| 3/30/2017 | | | | | 0.0035 (J) | | 0.0061 (J) | <0.03 | |
| 5/11/2017 | | | | | | | | | |
| 5/12/2017 | 0.0016 (J) | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 6/16/2017 | 0.0016 (J) | | | | | | | | |
| 7/11/2017 | <0.05 | | | | | | | | |
| 7/12/2017 | | 0.0019 (J) | 0.0022 (J) | <0.03 | 0.0028 (J) | 0.0036 (J) | 0.006 (J) | <0.03 | 0.0032 (J) |
| 10/24/2017 | <0.05 | 0.0022 (J) | 0.0024 (J) | | | | | | |
| 10/25/2017 | | | | <0.03 | | 0.0032 (J) | 0.0061 (J) | <0.03 | 0.0031 (J) |
| 11/15/2017 | | | | | 0.0028 (J) | | | | |
| 2/27/2018 | 0.0013 (J) | 0.0037 (J) | 0.0022 (J) | 0.00097 (J) | | 0.0035 (J) | | | |
| 2/28/2018 | | | | | <0.05 | | 0.0062 (J) | <0.03 | 0.0031 (J) |
| 7/11/2018 | | | | <0.03 | | 0.0034 (J) | 0.0058 (J) | <0.03 | 0.0034 (J) |
| 11/6/2018 | <0.05 | <0.05 | <0.05 | | | | | | |
| 11/7/2018 | | | | <0.03 | <0.05 | <0.05 | <0.05 (O) | <0.03 | <0.05 |
| 8/27/2019 | 0.0014 (J) | 0.0053 (J) | 0.0023 (J) | 0.0011 (J) | | 0.0038 (J) | | 0.00089 (J) | |
| 8/28/2019 | | | | | 0.0033 (J) | | 0.0063 (J) | | 0.0032 (J) |
| 8/29/2019 | | | | | | | | | |
| 9/17/2019 | | | | 0.0011 (J) | | | | | |
| 10/15/2019 | 0.0012 (J) | 0.0051 (J) | 0.0019 (J) | 0.00091 (J) | | | | | |
| 10/16/2019 | | | | | 0.0029 (J) | 0.0032 (J) | | | 0.0026 (J) |
| 10/17/2019 | | | | | | | 0.0064 (J) | | |
| 10/18/2019 | | | | | | | | 0.00096 (J) | |
| 3/2/2020 | 0.0011 (J) | | 0.0023 (J) | <0.03 | | | | | |
| 3/3/2020 | | 0.0049 (J) | | | 0.0035 (J) | 0.008 (J) | 0.0059 (J) | | 0.0034 (J) |
| 3/4/2020 | | | | | | | | 0.0011 (J) | |
| 8/11/2020 | 0.0015 (J) | 0.0033 (J) | 0.0028 (J) | 0.0011 (J) | | 0.0035 (J) | | | 0.0031 (J) |
| 8/12/2020 | | | | | 0.0034 (J) | | | | |
| 8/13/2020 | | | | | | | 0.0089 (J) | | |
| 8/14/2020 | | | | | | | | 0.0015 (J) | |
| 9/22/2020 | 0.0012 (J) | | 0.0019 (J) | <0.03 | | 0.0038 (J) | | | 0.0034 (J) |
| 9/23/2020 | | | | | 0.0033 (J) | | 0.006 (J) | | |
| 9/24/2020 | | 0.0049 (J) | | | | | | 0.00096 (J) | |
| 3/1/2021 | 0.0012 (J) | | | | | | | | |
| 3/2/2021 | | | 0.0017 (J) | | 0.0033 (J) | 0.004 (J) | 0.0051 (J) | | 0.003 (J) |
| 3/3/2021 | | | | <0.03 | | | | 0.0011 (J) | |
| 3/4/2021 | | 0.0042 (J) | | | | | | | |
| 9/8/2021 | 0.0013 (J) | | | | | | | | |
| 9/9/2021 | | | 0.0029 (J) | <0.03 | 0.0036 (J) | 0.0044 (J) | 0.0057 (J) | | 0.0035 (J) |
| 9/10/2021 | | 0.0051 (J) | | | | | | | |
| 9/13/2021 | | | | | | | | <0.03 | |
| 1/18/2022 | 0.0013 (J) | | | | | | | | |

Time Series

Constituent: Lithium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWA-71 (bg) | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 |
|-----------|--------------|------------|------------|-------------|------------|------------|------------|---------|------------|
| 1/20/2022 | | | | | | | | | |
| 1/21/2022 | | | | | | | | | |
| 1/24/2022 | | | | | | | 0.0051 (J) | <0.03 | |
| 1/25/2022 | | | 0.0021 (J) | <0.03 | 0.0037 (J) | 0.0043 (J) | | | 0.0031 (J) |
| 1/26/2022 | | 0.0059 (J) | | | | | | | |
| 9/7/2022 | 0.0012 (J) | | | | | | | | |
| 9/13/2022 | | | | | | 0.0043 (J) | 0.0057 (J) | | |
| 9/14/2022 | | | | | | | | <0.03 | 0.0032 (J) |
| 9/15/2022 | | 0.0053 (J) | 0.0024 (J) | 0.00088 (J) | 0.004 (J) | | | | |
| 9/20/2022 | | | | | | | | | |
| 1/31/2023 | 0.0014 (J) | | | | | | | | |
| 2/1/2023 | | | | | 0.0031 (J) | 0.018 (J) | | | |
| 2/2/2023 | | 0.0049 (J) | | | | | 0.005 (J) | | |
| 2/6/2023 | | | 0.0018 (J) | <0.03 | | | | <0.03 | 0.0026 (J) |
| 2/7/2023 | | | | | | | | | |
| 9/6/2023 | 0.0013 (J) | | | | | | | | |
| 9/8/2023 | | | 0.0017 (J) | | 0.0031 (J) | 0.0041 (J) | 0.0051 (J) | | 0.0024 (J) |
| 9/11/2023 | | 0.0043 (J) | | <0.03 | | | | | |
| 9/13/2023 | | | | | | | | <0.03 | |

Time Series

Constituent: Lithium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|------------|-----------|------------|------------|
| 8/31/2016 | | | |
| 9/1/2016 | | | |
| 9/2/2016 | | 0.0021 (J) | 0.0057 (J) |
| 9/6/2016 | | | |
| 9/7/2016 | | | |
| 12/6/2016 | | | |
| 12/7/2016 | | 0.005 (J) | |
| 12/8/2016 | | | 0.0054 (J) |
| 3/28/2017 | | | |
| 3/29/2017 | | 0.0021 (J) | |
| 3/30/2017 | 0.0807 | | 0.0065 (J) |
| 5/11/2017 | 0.085 | | |
| 5/12/2017 | | | |
| 6/15/2017 | 0.0781 | | |
| 6/16/2017 | | | |
| 7/11/2017 | 0.0731 | | |
| 7/12/2017 | | 0.0019 (J) | 0.0057 (J) |
| 10/24/2017 | 0.0995 | | |
| 10/25/2017 | | 0.0022 (J) | 0.006 (J) |
| 11/15/2017 | | | |
| 2/27/2018 | 0.0875 | | |
| 2/28/2018 | | 0.0019 (J) | 0.0061 (J) |
| 7/11/2018 | 0.033 (J) | 0.0022 (J) | 0.0057 (J) |
| 11/6/2018 | <0.05 | | |
| 11/7/2018 | | <0.05 | <0.05 |
| 8/27/2019 | 0.032 | | |
| 8/28/2019 | | | |
| 8/29/2019 | | 0.0093 (J) | 0.0061 (J) |
| 9/17/2019 | | | |
| 10/15/2019 | | | |
| 10/16/2019 | | | |
| 10/17/2019 | 0.029 (J) | 0.0075 (J) | 0.0063 (J) |
| 10/18/2019 | | | |
| 3/2/2020 | | | |
| 3/3/2020 | 0.026 (J) | | 0.0065 (J) |
| 3/4/2020 | | 0.019 (J) | |
| 8/11/2020 | 0.028 (J) | | |
| 8/12/2020 | | | |
| 8/13/2020 | | 0.012 (J) | |
| 8/14/2020 | | | 0.0058 (J) |
| 9/22/2020 | | 0.0026 (J) | |
| 9/23/2020 | 0.022 (J) | | |
| 9/24/2020 | | | 0.0062 (J) |
| 3/1/2021 | | | |
| 3/2/2021 | 0.023 (J) | 0.011 (J) | |
| 3/3/2021 | | | 0.0054 (J) |
| 3/4/2021 | | | |
| 9/8/2021 | | | |
| 9/9/2021 | 0.024 (J) | | 0.006 (J) |
| 9/10/2021 | | 0.0023 (J) | |
| 9/13/2021 | | | |
| 1/18/2022 | | | |

Time Series

Constituent: Lithium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|-----------|-----------|------------|------------|
| 1/20/2022 | 0.024 (J) | | 0.0058 (J) |
| 1/21/2022 | | 0.012 (J) | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | | | |
| 9/7/2022 | | | |
| 9/13/2022 | | | |
| 9/14/2022 | | | |
| 9/15/2022 | | 0.0096 (J) | 0.0069 (J) |
| 9/20/2022 | 0.021 (J) | | |
| 1/31/2023 | | | |
| 2/1/2023 | | | |
| 2/2/2023 | | | |
| 2/6/2023 | 0.017 (J) | | |
| 2/7/2023 | | 0.013 (J) | 0.0056 (J) |
| 9/6/2023 | | | |
| 9/8/2023 | | | |
| 9/11/2023 | | 0.011 (J) | 0.0055 (J) |
| 9/13/2023 | 0.017 (J) | | |

Time Series

Constituent: Lithium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-22 | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 | DGWC-48 | DGWC-5 | DGWC-8 | DGWC-9 |
|------------|------------|------------|------------|------------|---------|---------|------------|------------|------------|
| 8/30/2016 | | | | | | | | 0.005 (J) | 0.0212 (J) |
| 8/31/2016 | | | | | | | 0.0026 (J) | | |
| 9/1/2016 | | | | | 0.0854 | 0.125 | | | |
| 9/2/2016 | 0.0046 (J) | | | | | | | | |
| 9/7/2016 | | | | 0.012 (J) | | | | | |
| 12/6/2016 | | | | | | | 0.0046 (J) | 0.0066 (J) | 0.0242 (J) |
| 12/8/2016 | 0.0047 (J) | | | 0.0118 (J) | 0.0667 | 0.122 | | | |
| 3/28/2017 | | | 0.0031 (J) | | | | 0.0028 (J) | | 0.0249 (J) |
| 3/29/2017 | 0.0043 (J) | | | | | | | 0.0059 (J) | |
| 3/30/2017 | | 0.0162 (J) | | | | 0.144 | | | |
| 3/31/2017 | | | | 0.0119 (J) | 0.0767 | | | | |
| 5/12/2017 | | 0.0036 (J) | 0.0027 (J) | | | | | | |
| 6/15/2017 | | 0.0063 (J) | 0.0025 (J) | | | | | | |
| 7/11/2017 | | | 0.0022 (J) | | | | 0.0031 (J) | 0.0045 (J) | 0.022 (J) |
| 7/12/2017 | | 0.0068 (J) | | | | | | | |
| 7/13/2017 | 0.0044 (J) | | | 0.0116 (J) | 0.0743 | 0.143 | | | |
| 10/24/2017 | | | 0.0024 (J) | | | | | 0.0072 (J) | 0.0281 (J) |
| 10/25/2017 | 0.0042 (J) | | | 0.0122 (J) | | | 0.0055 (J) | | |
| 10/26/2017 | | 0.0049 (J) | | | 0.071 | 0.115 | | | |
| 2/27/2018 | | | 0.0027 (J) | | | | 0.0066 (J) | 0.0075 (J) | 0.031 (J) |
| 2/28/2018 | 0.0043 (J) | | | 0.0122 (J) | | | | | |
| 3/1/2018 | | 0.0759 | | | 0.0772 | | | | |
| 3/2/2018 | | | | | | 0.129 | | | |
| 7/11/2018 | | | | 0.01 (J) | | | | | 0.028 (J) |
| 7/12/2018 | 0.0036 (J) | 0.0047 (J) | | | 0.073 | 0.12 | | | |
| 11/6/2018 | | | <0.05 | | | | <0.05 | <0.05 | <0.05 |
| 11/7/2018 | <0.05 | | | <0.05 | 0.082 | 0.12 | | | |
| 11/8/2018 | | <0.05 | | | | | | | |
| 8/27/2019 | | | 0.0033 (J) | | | | 0.008 (J) | | 0.031 |
| 8/28/2019 | | | | 0.01 (J) | | | | 0.0048 (J) | |
| 8/29/2019 | 0.0035 (J) | 0.0017 (J) | | | 0.056 | 0.11 | | | |
| 10/15/2019 | | | 0.0029 (J) | | | | | | |
| 10/16/2019 | | | | | | | 0.006 (J) | 0.0045 (J) | |
| 10/17/2019 | | | | 0.011 (J) | 0.066 | | | | 0.029 (J) |
| 10/18/2019 | 0.0041 (J) | 0.0039 (J) | | | | 0.11 | | | |
| 3/2/2020 | | | 0.0035 (J) | | | | 0.0079 (J) | | |
| 3/3/2020 | 0.0046 (J) | | | | | | | 0.0052 (J) | 0.028 (J) |
| 3/4/2020 | | 0.004 (J) | | 0.0091 (J) | 0.063 | 0.12 | | | |
| 8/11/2020 | | | | | | | | | 0.032 |
| 8/12/2020 | | | 0.0031 (J) | | 0.054 | | 0.0067 (J) | 0.0058 (J) | |
| 8/13/2020 | | 0.0052 (J) | | 0.011 (J) | | 0.098 | | | |
| 8/14/2020 | 0.0039 (J) | | | | | | | | |
| 9/22/2020 | | | 0.0026 (J) | 0.0099 (J) | | | 0.0065 (J) | | 0.025 (J) |
| 9/23/2020 | | | | | 0.046 | 0.1 | | 0.0045 (J) | |
| 9/24/2020 | 0.0037 (J) | 0.0045 (J) | | | | | | | |
| 3/1/2021 | | | 0.0035 (J) | | | | | | |
| 3/2/2021 | | | | | | | 0.0064 (J) | 0.0046 (J) | 0.028 (J) |
| 3/3/2021 | 0.0038 (J) | 0.014 (J) | | 0.0079 (J) | 0.049 | 0.096 | | | |
| 9/9/2021 | | 0.0081 (J) | | | | | | | |
| 9/10/2021 | 0.0039 (J) | | 0.0035 (J) | | 0.053 | 0.095 | 0.0071 (J) | | 0.027 (J) |
| 9/13/2021 | | | | 0.015 (J) | | | | 0.0034 (J) | |
| 1/20/2022 | 0.0032 (J) | 0.0029 (J) | | 0.0069 (J) | | | | | |

Time Series

Constituent: Lithium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

8/30/2016
8/31/2016
9/1/2016
9/2/2016
9/7/2016
12/6/2016
12/8/2016
3/28/2017
3/29/2017
3/30/2017
3/31/2017
5/12/2017
6/15/2017
7/11/2017
7/12/2017
7/13/2017
10/24/2017
10/25/2017
10/26/2017
2/27/2018
2/28/2018
3/1/2018
3/2/2018
7/11/2018
7/12/2018
11/6/2018
11/7/2018
11/8/2018
8/27/2019
8/28/2019
8/29/2019
10/15/2019
10/16/2019
10/17/2019
10/18/2019
3/2/2020
3/3/2020
3/4/2020
8/11/2020
8/12/2020
8/13/2020
8/14/2020
9/22/2020
9/23/2020
9/24/2020
3/1/2021
3/2/2021
3/3/2021
9/9/2021
9/10/2021
9/13/2021
1/20/2022

Time Series

Constituent: Lithium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

| | |
|-----------|-------|
| 1/21/2022 | |
| 1/24/2022 | |
| 1/25/2022 | |
| 1/26/2022 | |
| 9/13/2022 | |
| 9/14/2022 | |
| 9/15/2022 | |
| 9/16/2022 | |
| 9/19/2022 | |
| 9/20/2022 | |
| 2/1/2023 | |
| 2/3/2023 | |
| 2/6/2023 | |
| 2/7/2023 | |
| 3/16/2023 | 0.074 |
| 3/21/2023 | 0.078 |
| 4/10/2023 | 0.034 |
| 9/11/2023 | |
| 9/12/2023 | |
| 9/13/2023 | |
| 9/14/2023 | 0.031 |

Time Series

Constituent: Mercury (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-100 | B-101D | B-102D | B-104D | B-106D | B-107D | B-108D | B-111D | B-120D |
|------------|-------------|-------------|---------|-------------|---------|-------------|-------------|-------------|---------|
| 1/30/2019 | | | | | | | | | |
| 9/11/2019 | | | | | | | | | |
| 10/21/2019 | | | | | | | | | |
| 8/13/2020 | | | | | | | | | |
| 8/17/2020 | 0.00011 (J) | | | | | | | | |
| 9/24/2020 | | | | | | | | | |
| 9/25/2020 | <0.0002 | | | | | | | | |
| 9/28/2020 | | | | | | | | | |
| 12/9/2020 | | | | 7.9E-05 (J) | | 0.00016 (J) | 0.00014 (J) | 9.4E-05 (J) | |
| 12/17/2020 | | | <0.0002 | | <0.0002 | | | | |
| 1/11/2021 | | | <0.0002 | | | | | | |
| 1/12/2021 | | <0.0002 | | <0.0002 | | | | <0.0002 | |
| 3/3/2021 | | | | | | | | | |
| 3/4/2021 | | | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | | |
| 3/5/2021 | | 0.00014 (J) | | | | | | <0.0002 | |
| 3/12/2021 | | | | | | | | | |
| 4/15/2021 | | | | | | | | | <0.0002 |
| 9/9/2021 | | | | | | | | | |
| 9/10/2021 | | | <0.0002 | | | | | | |
| 9/13/2021 | <0.0002 | <0.0002 | | | <0.0002 | <0.0002 | | | |
| 9/14/2021 | | | | <0.0002 | | | <0.0002 | <0.0002 | <0.0002 |
| 1/20/2022 | | | | | | | | | <0.0002 |
| 1/21/2022 | <0.0002 | | | | | | | | |
| 1/24/2022 | | | | <0.0002 | | <0.0002 | <0.0002 | <0.0002 | |
| 1/25/2022 | | | | | <0.0002 | | | | |
| 1/26/2022 | | <0.0002 | | | | | | | |
| 1/27/2022 | | | <0.0002 | | | | | | |
| 6/6/2022 | | | | | | | | | |
| 9/8/2022 | <0.0002 | | | | | | | | |
| 9/13/2022 | | | | <0.0002 | | | | | |
| 9/14/2022 | | | | | | <0.0002 | | <0.0002 | |
| 9/15/2022 | | | <0.0002 | | | | <0.0002 | | |
| 9/16/2022 | | <0.0002 | | | <0.0002 | | | | |
| 9/19/2022 | | | | | | | | | <0.0002 |
| 2/2/2023 | <0.0002 | | <0.0002 | | | | | | |
| 2/3/2023 | | 0.00029 | | <0.0002 | | | | | <0.0002 |
| 2/6/2023 | | | | | | <0.0002 | | | |
| 2/7/2023 | | | | | <0.0002 | | <0.0002 | <0.0002 | |
| 9/6/2023 | <0.0002 | | | | | | | | |
| 9/7/2023 | | | | | | | | | |
| 9/8/2023 | | <0.0002 | | | | | | | |
| 9/11/2023 | | | <0.0002 | | <0.0002 | | | | |
| 9/12/2023 | | | | | | <0.0002 | | | <0.0002 |
| 9/13/2023 | | | | <0.0002 | | | <0.0002 | <0.0002 | |

Time Series

Constituent: Mercury (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-122D | B-56 | B-62 |
|------------|---------|-------------|---------|
| 1/30/2019 | | | <0.0002 |
| 9/11/2019 | | | <0.0002 |
| 10/21/2019 | | | <0.0002 |
| 8/13/2020 | | | <0.0002 |
| 8/17/2020 | | 0.00016 (J) | |
| 9/24/2020 | | | <0.0002 |
| 9/25/2020 | | | |
| 9/28/2020 | | <0.0002 | |
| 12/9/2020 | | | |
| 12/17/2020 | | | |
| 1/11/2021 | | | |
| 1/12/2021 | | | |
| 3/3/2021 | | <0.0002 | |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/12/2021 | | | <0.0002 |
| 4/15/2021 | | | |
| 9/9/2021 | | | <0.0002 |
| 9/10/2021 | | | |
| 9/13/2021 | | <0.0002 | |
| 9/14/2021 | | | |
| 1/20/2022 | | | <0.0002 |
| 1/21/2022 | | | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | | | |
| 1/27/2022 | | <0.0002 | |
| 6/6/2022 | <0.0002 | | |
| 9/8/2022 | | | <0.0002 |
| 9/13/2022 | | | |
| 9/14/2022 | | | |
| 9/15/2022 | | | |
| 9/16/2022 | | <0.0002 | |
| 9/19/2022 | | | |
| 2/2/2023 | | | <0.0002 |
| 2/3/2023 | | | |
| 2/6/2023 | <0.0002 | | |
| 2/7/2023 | | 0.00034 | |
| 9/6/2023 | | | |
| 9/7/2023 | <0.0002 | | <0.0002 |
| 9/8/2023 | | <0.0002 | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |
| 9/13/2023 | | | |

Time Series

Constituent: Mercury (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|------------|---------|---------|---------|-------------|---------|-------------|-------------|-------------|---------|
| 3/28/2017 | | | | | | | | | |
| 5/11/2017 | | | | | | | | | |
| 5/15/2017 | | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 7/11/2017 | | | | | | | | | |
| 7/12/2017 | | | | | | | | | |
| 8/8/2017 | | | | | | | | | |
| 10/24/2017 | | | | | | | | | |
| 2/27/2018 | | | | | | | | | |
| 3/8/2018 | | | | | | | | | |
| 7/12/2018 | | | | | | | | | |
| 11/6/2018 | | | | | | | | | |
| 11/7/2018 | | | | | | | | | |
| 1/28/2019 | <0.0002 | | | | | | | | |
| 1/30/2019 | | <0.0002 | | | | | | | |
| 8/27/2019 | | | | | | | | | |
| 8/28/2019 | | | | | | | | | |
| 9/11/2019 | <0.0002 | | | | | | | | |
| 9/12/2019 | | <0.0002 | | | | | | | |
| 9/18/2019 | | | <0.0002 | | | | | | |
| 9/23/2019 | | | | <0.0002 | | | | | |
| 10/15/2019 | | | | | | | | | |
| 10/16/2019 | | | | | | | | | |
| 10/21/2019 | | <0.0002 | | <0.0002 | <0.0002 | | | | |
| 10/22/2019 | <0.0002 | | | | | | | | |
| 10/24/2019 | | | <0.0002 | | | | | | |
| 3/2/2020 | | | | | | | | | |
| 3/9/2020 | | | | | | | | | |
| 8/11/2020 | | | | | | | | | |
| 8/13/2020 | | | <0.0002 | | | | | | |
| 8/14/2020 | | | | | <0.0002 | | | | |
| 8/17/2020 | | | | 0.00011 (J) | | 0.00011 (J) | | | |
| 8/19/2020 | | | | | | | | 0.00026 | |
| 9/22/2020 | | | | | | | | | |
| 9/24/2020 | | | <0.0002 | | | | | | |
| 9/25/2020 | | | | | <0.0002 | <0.0002 | | | |
| 9/28/2020 | | | | <0.0002 | | | | 0.00024 (J) | |
| 3/1/2021 | | | | | | | | | |
| 3/4/2021 | | | <0.0002 | | <0.0002 | | | | |
| 3/5/2021 | | | | | | 0.0001 (J) | | | |
| 3/9/2021 | | | | | | | | 0.00015 (J) | |
| 3/12/2021 | | | | | | | | | |
| 9/9/2021 | | | | | | | | | |
| 9/13/2021 | | | | | | <0.0002 | | | |
| 9/14/2021 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | | | | | |
| 9/15/2021 | | | | | | | 0.00017 (J) | 9.8E-05 (J) | <0.0002 |
| 9/16/2021 | | | | | <0.0002 | | | | |
| 1/18/2022 | | | | | | | | | |
| 1/20/2022 | <0.0002 | | <0.0002 | | | | | | |
| 1/21/2022 | | | | | <0.0002 | | | | |
| 1/25/2022 | | <0.0002 | | <0.0002 | | | | | |
| 1/26/2022 | | | | | | | <0.0002 | <0.0002 | <0.0002 |

Time Series

Constituent: Mercury (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|-----------|---------|---------|---------|---------|---------|---------|-------------|-------------|---------|
| 1/27/2022 | | | | | | <0.0002 | | | |
| 1/28/2022 | | | | | | | | | |
| 9/7/2022 | | | | | | | | | |
| 9/8/2022 | | | | | | | | | |
| 9/12/2022 | | | | | | | 0.00015 (J) | 0.00016 (J) | |
| 9/13/2022 | | | <0.0002 | | <0.0002 | | | | <0.0002 |
| 9/14/2022 | <0.0002 | | | | | | | | |
| 9/16/2022 | | <0.0002 | | <0.0002 | | <0.0002 | | | |
| 1/31/2023 | | | | | | | 0.00017 (J) | <0.0002 | |
| 2/1/2023 | | | | | | | | | <0.0002 |
| 2/2/2023 | <0.0002 | | | | | | | | |
| 2/3/2023 | | | | | <0.0002 | | | | |
| 2/6/2023 | | | <0.0002 | | | | | | |
| 2/7/2023 | | 0.00029 | | <0.0002 | | <0.0002 | | | |
| 9/6/2023 | | | | | | | <0.0002 | <0.0002 | <0.0002 |
| 9/7/2023 | <0.0002 | | | | | | | | |
| 9/11/2023 | | <0.0002 | | <0.0002 | | | | | |
| 9/12/2023 | | | <0.0002 | | <0.0002 | <0.0002 | | | |

Time Series

Constituent: Mercury (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|------------|---------|--------------|---------------|
| 3/28/2017 | | <0.0002 | <0.0002 |
| 5/11/2017 | | <0.0002 | |
| 5/15/2017 | | | <0.0002 |
| 6/15/2017 | | 8E-05 (J) | 7E-05 (J) |
| 7/11/2017 | | | <0.0002 |
| 7/12/2017 | | <0.0002 | |
| 8/8/2017 | | | <0.0002 |
| 10/24/2017 | | <0.0002 | <0.0002 |
| 2/27/2018 | | | <0.0002 |
| 3/8/2018 | | <0.0002 | |
| 7/12/2018 | | <0.0002 | |
| 11/6/2018 | | | <0.0002 |
| 11/7/2018 | | <0.0002 | |
| 1/28/2019 | | | |
| 1/30/2019 | | | |
| 8/27/2019 | | | <0.0002 |
| 8/28/2019 | | <0.0002 | |
| 9/11/2019 | | | |
| 9/12/2019 | | | |
| 9/18/2019 | | | |
| 9/23/2019 | | | |
| 10/15/2019 | | | <0.0002 |
| 10/16/2019 | | <0.0002 | |
| 10/21/2019 | | | |
| 10/22/2019 | | | |
| 10/24/2019 | | | |
| 3/2/2020 | | | <0.0002 |
| 3/9/2020 | | <0.0002 | |
| 8/11/2020 | | | <0.0002 |
| 8/13/2020 | | <0.0002 | |
| 8/14/2020 | | | |
| 8/17/2020 | | | |
| 8/19/2020 | | | |
| 9/22/2020 | | <0.0002 | <0.0002 |
| 9/24/2020 | | | |
| 9/25/2020 | | | |
| 9/28/2020 | | | |
| 3/1/2021 | | | <0.0002 |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/9/2021 | | | |
| 3/12/2021 | | <0.0002 | |
| 9/9/2021 | | <0.0002 | <0.0002 |
| 9/13/2021 | | | |
| 9/14/2021 | | | |
| 9/15/2021 | <0.0002 | | |
| 9/16/2021 | | | |
| 1/18/2022 | | | <0.0002 |
| 1/20/2022 | | | |
| 1/21/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | <0.0002 | | |

Time Series

Constituent: Mercury (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|-----------|---------|--------------|---------------|
| 1/27/2022 | | | |
| 1/28/2022 | | <0.0002 | |
| 9/7/2022 | | | <0.0002 |
| 9/8/2022 | | <0.0002 | |
| 9/12/2022 | | | |
| 9/13/2022 | <0.0002 | | |
| 9/14/2022 | | | |
| 9/16/2022 | | | |
| 1/31/2023 | <0.0002 | | <0.0002 |
| 2/1/2023 | | <0.0002 | |
| 2/2/2023 | | | |
| 2/3/2023 | | | |
| 2/6/2023 | | | |
| 2/7/2023 | | | |
| 9/6/2023 | <0.0002 | | <0.0002 |
| 9/7/2023 | | <0.0002 | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |

Time Series

Constituent: Mercury (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWA-71 (bg) | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 |
|------------|--------------|-------------|-----------|-------------|-----------|-----------|-----------|-------------|-----------|
| 8/31/2016 | | 7E-05 (J) | 5E-05 (J) | | | 5E-05 (J) | | | |
| 9/1/2016 | | | | 9E-05 (J) | | | | | 4E-05 (J) |
| 9/2/2016 | | | | | | | | | |
| 9/6/2016 | | | | | <0.0002 | | <0.0002 | | |
| 9/7/2016 | | | | | | | | 6E-05 (J) | |
| 12/6/2016 | | 9E-05 (J) | 8E-05 (J) | | | 8E-05 (J) | | | |
| 12/7/2016 | | | | <0.0002 | 9E-05 (J) | | <0.0002 | | 5E-05 (J) |
| 12/8/2016 | | | | | | | | <0.0002 | |
| 3/28/2017 | <0.0002 | | | | | | | | |
| 3/29/2017 | | 8E-05 (J) | 6E-05 (J) | 0.00014 (J) | | 6E-05 (J) | | | 9E-05 (J) |
| 3/30/2017 | | | | | 7E-05 (J) | | 6E-05 (J) | 0.00012 (J) | |
| 5/11/2017 | | | | | | | | | |
| 5/12/2017 | 6E-05 (J) | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 6/16/2017 | 7E-05 (J) | | | | | | | | |
| 7/11/2017 | <0.0002 | | | | | | | | |
| 7/12/2017 | | <0.0002 | <0.0002 | 8E-05 (J) | <0.0002 | <0.0002 | <0.0002 | 5E-05 (J) | <0.0002 |
| 10/24/2017 | <0.0002 | <0.0002 | <0.0002 | | | | | | |
| 10/25/2017 | | | | 6E-05 (J) | | <0.0002 | <0.0002 | 5E-05 (J) | <0.0002 |
| 11/15/2017 | | | | | <0.0002 | | | | |
| 2/27/2018 | <0.0002 | <0.0002 | <0.0002 | 6E-05 (J) | | <0.0002 | | | |
| 2/28/2018 | | | | | <0.0002 | | <0.0002 | <0.0002 | <0.0002 |
| 7/11/2018 | | | | 3.6E-05 (J) | | <0.0002 | <0.0002 | <0.0002 | <0.0002 |
| 11/6/2018 | <0.0002 | <0.0002 | <0.0002 | | | | | | |
| 11/7/2018 | | | | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 |
| 8/27/2019 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | | <0.0002 | | 0.00016 (J) | |
| 8/28/2019 | | | | | <0.0002 | | <0.0002 | | <0.0002 |
| 8/29/2019 | | | | | | | | | |
| 9/17/2019 | | | | <0.0002 | | | | | |
| 10/15/2019 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | | | | | |
| 10/16/2019 | | | | | <0.0002 | <0.0002 | | | <0.0002 |
| 10/17/2019 | | | | | | | <0.0002 | | |
| 10/18/2019 | | | | | | | | <0.0002 | |
| 3/2/2020 | <0.0002 | | <0.0002 | <0.0002 | | | | | |
| 3/3/2020 | | <0.0002 | | | <0.0002 | <0.0002 | <0.0002 | | <0.0002 |
| 3/4/2020 | | | | | | | | <0.0002 | |
| 8/11/2020 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | | <0.0002 | | | <0.0002 |
| 8/12/2020 | | | | | <0.0002 | | | | |
| 8/13/2020 | | | | | | | <0.0002 | | |
| 8/14/2020 | | | | | | | | 9.8E-05 (J) | |
| 9/22/2020 | <0.0002 | | <0.0002 | <0.0002 | | <0.0002 | | | <0.0002 |
| 9/23/2020 | | | | | <0.0002 | | <0.0002 | | |
| 9/24/2020 | | 8.1E-05 (J) | | | | | | 8.2E-05 (J) | |
| 3/1/2021 | 9E-05 (J) | | | | | | | | |
| 3/2/2021 | | | <0.0002 | | <0.0002 | <0.0002 | <0.0002 | | <0.0002 |
| 3/3/2021 | | | | <0.0002 | | | | <0.0002 | |
| 3/4/2021 | | <0.0002 | | | | | | | |
| 9/8/2021 | 9.6E-05 (J) | | | | | | | | |
| 9/9/2021 | | | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | | <0.0002 |
| 9/10/2021 | | <0.0002 | | | | | | | |
| 9/13/2021 | | | | | | | | 8.6E-05 (J) | |
| 1/18/2022 | 0.00015 (J) | | | | | | | | |

Time Series

Constituent: Mercury (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWA-71 (bg) | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 |
|-----------|--------------|---------|---------|---------|---------|---------|---------|-------------|-------------|
| 1/20/2022 | | | | | | | | | |
| 1/21/2022 | | | | | | | | | |
| 1/24/2022 | | | | | | | <0.0002 | <0.0002 | |
| 1/25/2022 | | | <0.0002 | <0.0002 | <0.0002 | <0.0002 | | | <0.0002 |
| 1/26/2022 | | <0.0002 | | | | | | | |
| 9/7/2022 | 0.00013 (J) | | | | | | | | |
| 9/13/2022 | | | | | | <0.0002 | <0.0002 | | |
| 9/14/2022 | | | | | | | | <0.0002 | <0.0002 |
| 9/15/2022 | | <0.0002 | <0.0002 | <0.0002 | <0.0002 | | | | |
| 9/20/2022 | | | | | | | | | |
| 1/31/2023 | <0.0002 | | | | | | | | |
| 2/1/2023 | | | | | <0.0002 | <0.0002 | | | |
| 2/2/2023 | | <0.0002 | | | | | <0.0002 | | |
| 2/6/2023 | | | <0.0002 | <0.0002 | | | | 0.00014 (J) | 0.00013 (J) |
| 2/7/2023 | | | | | | | | | |
| 9/6/2023 | <0.0002 | | | | | | | | |
| 9/8/2023 | | | 0.00048 | | <0.0002 | <0.0002 | <0.0002 | | <0.0002 |
| 9/11/2023 | | 0.0021 | | <0.0002 | | | | | |
| 9/13/2023 | | | | | | | | <0.0002 | |

Time Series

Constituent: Mercury (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|------------|-------------|-----------|-------------|
| 8/31/2016 | | | |
| 9/1/2016 | | | |
| 9/2/2016 | | <0.0002 | 6E-05 (J) |
| 9/6/2016 | | | |
| 9/7/2016 | | | |
| 12/6/2016 | | | |
| 12/7/2016 | | 8E-05 (J) | |
| 12/8/2016 | | | <0.0002 |
| 3/28/2017 | | | |
| 3/29/2017 | | 8E-05 (J) | |
| 3/30/2017 | 7E-05 (J) | | 8E-05 (J) |
| 5/11/2017 | 8.3E-05 (J) | | |
| 5/12/2017 | | | |
| 6/15/2017 | 8E-05 (J) | | |
| 6/16/2017 | | | |
| 7/11/2017 | <0.0002 | | |
| 7/12/2017 | | <0.0002 | 6E-05 (J) |
| 10/24/2017 | <0.0002 | | |
| 10/25/2017 | | <0.0002 | 5E-05 (J) |
| 11/15/2017 | | | |
| 2/27/2018 | <0.0002 | | |
| 2/28/2018 | | <0.0002 | <0.0002 |
| 7/11/2018 | <0.0002 | <0.0002 | <0.0002 |
| 11/6/2018 | 0.00064 | | |
| 11/7/2018 | | <0.0002 | <0.0002 |
| 8/27/2019 | <0.0002 | | |
| 8/28/2019 | | | |
| 8/29/2019 | | <0.0002 | <0.0002 |
| 9/17/2019 | | | |
| 10/15/2019 | | | |
| 10/16/2019 | | | |
| 10/17/2019 | <0.0002 | <0.0002 | <0.0002 |
| 10/18/2019 | | | |
| 3/2/2020 | | | |
| 3/3/2020 | <0.0002 | | <0.0002 |
| 3/4/2020 | | <0.0002 | |
| 8/11/2020 | <0.0002 | | |
| 8/12/2020 | | | |
| 8/13/2020 | | <0.0002 | |
| 8/14/2020 | | | <0.0002 |
| 9/22/2020 | | <0.0002 | |
| 9/23/2020 | <0.0002 | | |
| 9/24/2020 | | | 0.00012 (J) |
| 3/1/2021 | | | |
| 3/2/2021 | <0.0002 | 9E-05 (J) | |
| 3/3/2021 | | | <0.0002 |
| 3/4/2021 | | | |
| 9/8/2021 | | | |
| 9/9/2021 | <0.0002 | | <0.0002 |
| 9/10/2021 | | <0.0002 | |
| 9/13/2021 | | | |
| 1/18/2022 | | | |

Time Series

Constituent: Mercury (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|-----------|---------|---------|---------|
| 1/20/2022 | <0.0002 | | <0.0002 |
| 1/21/2022 | | <0.0002 | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | | | |
| 9/7/2022 | | | |
| 9/13/2022 | | | |
| 9/14/2022 | | | |
| 9/15/2022 | | <0.0002 | <0.0002 |
| 9/20/2022 | <0.0002 | | |
| 1/31/2023 | | | |
| 2/1/2023 | | | |
| 2/2/2023 | | | |
| 2/6/2023 | <0.0002 | | |
| 2/7/2023 | | <0.0002 | <0.0002 |
| 9/6/2023 | | | |
| 9/8/2023 | | | |
| 9/11/2023 | | <0.0002 | <0.0002 |
| 9/13/2023 | <0.0002 | | |

Time Series

Constituent: Mercury (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-22 | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 | DGWC-48 | DGWC-5 | DGWC-8 | DGWC-9 |
|------------|-------------|-------------|-------------|-----------|---------|-----------|-------------|-------------|-------------|
| 8/30/2016 | | | | | | | | 9E-05 (J) | <0.0002 |
| 8/31/2016 | | | | | | | 0.00015 (J) | | |
| 9/1/2016 | | | | | <0.0002 | <0.0002 | | | |
| 9/2/2016 | 5E-05 (J) | | | | | | | | |
| 9/7/2016 | | | | <0.0002 | | | | | |
| 12/6/2016 | | | | | | | 0.00012 (J) | 0.0001 (J) | 5E-05 (J) |
| 12/8/2016 | <0.0002 | | | <0.0002 | <0.0002 | <0.0002 | | | |
| 3/28/2017 | | | <0.0002 | | | | 0.00017 (J) | | <0.0002 |
| 3/29/2017 | 0.0001 (J) | | | | | | | 0.00012 (J) | |
| 3/30/2017 | | 0.0002 (J) | | | | 6E-05 (J) | | | |
| 3/31/2017 | | | | 4E-05 (J) | <0.0002 | | | | |
| 5/12/2017 | | 0.00015 (J) | 8.2E-05 (J) | | | | | | |
| 6/15/2017 | | 0.00019 (J) | 8E-05 (J) | | | | | | |
| 7/11/2017 | | | <0.0002 | | | | 0.0002 (J) | 6E-05 (J) | <0.0002 |
| 7/12/2017 | | 0.00012 (J) | | | | | | | |
| 7/13/2017 | <0.0002 | | | <0.0002 | <0.0002 | <0.0002 | | | |
| 10/24/2017 | | | <0.0002 | | | | | <0.0002 | <0.0002 |
| 10/25/2017 | <0.0002 | | | <0.0002 | | | 9E-05 (J) | | |
| 10/26/2017 | | 0.00012 (J) | | | <0.0002 | <0.0002 | | | |
| 2/27/2018 | | | <0.0002 | | | | 9E-05 (J) | 4.2E-05 (J) | 4.2E-05 (J) |
| 2/28/2018 | <0.0002 | | | <0.0002 | | | | | |
| 3/1/2018 | | <0.0002 | | | <0.0002 | | | | |
| 3/2/2018 | | | | | | <0.0002 | | | |
| 7/11/2018 | | | | <0.0002 | | | | | <0.0002 |
| 7/12/2018 | 5.5E-05 (J) | 0.00016 (J) | | | <0.0002 | <0.0002 | | | |
| 11/6/2018 | | | 0.00059 | | | | 0.00055 | <0.0002 | <0.0002 |
| 11/7/2018 | <0.0002 | | | <0.0002 | <0.0002 | <0.0002 | | | |
| 11/8/2018 | | <0.0002 | | | | | | | |
| 8/27/2019 | | | <0.0002 | | | | 0.00016 (J) | | 0.00021 (J) |
| 8/28/2019 | | | | <0.0002 | | | | <0.0002 | |
| 8/29/2019 | <0.0002 | <0.0002 | | | <0.0002 | <0.0002 | | | |
| 10/15/2019 | | | <0.0002 | | | | | | |
| 10/16/2019 | | | | | | | <0.0002 | <0.0002 | |
| 10/17/2019 | | | | <0.0002 | <0.0002 | | | | 0.00042 (J) |
| 10/18/2019 | <0.0002 | <0.0002 | | | | <0.0002 | | | |
| 3/2/2020 | | | <0.0002 | | | | <0.0002 | | |
| 3/3/2020 | <0.0002 | | | | | | | <0.0002 | <0.0002 |
| 3/4/2020 | | 0.00026 | | <0.0002 | <0.0002 | <0.0002 | | | |
| 8/11/2020 | | | | | | | | | 0.00026 |
| 8/12/2020 | | | <0.0002 | | <0.0002 | | 0.00017 (J) | 7.9E-05 (J) | |
| 8/13/2020 | | 0.00014 (J) | | <0.0002 | | <0.0002 | | | |
| 8/14/2020 | <0.0002 | | | | | | | | |
| 9/22/2020 | | | <0.0002 | <0.0002 | | | 0.0002 (J) | | 0.00013 (J) |
| 9/23/2020 | | | | | <0.0002 | <0.0002 | | <0.0002 | |
| 9/24/2020 | <0.0002 | 0.0002 (J) | | | | | | | |
| 3/1/2021 | | | <0.0002 | | | | | | |
| 3/2/2021 | | | | | | | 9.4E-05 (J) | <0.0002 | 0.00017 (J) |
| 3/3/2021 | <0.0002 | 0.00033 | | <0.0002 | <0.0002 | <0.0002 | | | |
| 9/9/2021 | | 0.00011 (J) | | | | | | | |
| 9/10/2021 | 0.00011 (J) | | 0.00013 (J) | | <0.0002 | <0.0002 | 0.0003 | | 0.00014 (J) |
| 9/13/2021 | | | | <0.0002 | | | | <0.0002 | |
| 1/20/2022 | <0.0002 | <0.0002 | | <0.0002 | | | | | |

Time Series

Constituent: Mercury (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-22 | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 | DGWC-48 | DGWC-5 | DGWC-8 | DGWC-9 |
|-----------|-------------|---------|---------|---------|---------|---------|---------|-------------|-------------|
| 1/21/2022 | | | | | <0.0002 | | | | |
| 1/24/2022 | | | 0.00022 | | | <0.0002 | 0.00028 | | |
| 1/25/2022 | | | | | | | | <0.0002 | |
| 1/26/2022 | | | | | | | | | 0.00014 (J) |
| 9/13/2022 | | | | <0.0002 | <0.0002 | <0.0002 | | | |
| 9/14/2022 | | | | | | | 0.00022 | | |
| 9/15/2022 | | | | | | | | <0.0002 | |
| 9/16/2022 | <0.0002 | | | | | | | | |
| 9/19/2022 | | | <0.0002 | | | | | | 0.0002 |
| 9/20/2022 | | <0.0002 | | | | | | | |
| 2/1/2023 | | | | <0.0002 | | | | | |
| 2/3/2023 | | | <0.0002 | | <0.0002 | <0.0002 | | | 0.00017 (J) |
| 2/6/2023 | 0.00014 (J) | <0.0002 | | | | | | | |
| 2/7/2023 | | | | | | | 0.00026 | <0.0002 | |
| 9/11/2023 | <0.0002 | <0.0002 | | | | | | | |
| 9/12/2023 | | | | | <0.0002 | | | 0.00013 (J) | |
| 9/13/2023 | | | <0.0002 | <0.0002 | | <0.0002 | 0.00028 | | |
| 9/14/2023 | | | | | | | | | |

Time Series

Constituent: Mercury (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

8/30/2016
8/31/2016
9/1/2016
9/2/2016
9/7/2016
12/6/2016
12/8/2016
3/28/2017
3/29/2017
3/30/2017
3/31/2017
5/12/2017
6/15/2017
7/11/2017
7/12/2017
7/13/2017
10/24/2017
10/25/2017
10/26/2017
2/27/2018
2/28/2018
3/1/2018
3/2/2018
7/11/2018
7/12/2018
11/6/2018
11/7/2018
11/8/2018
8/27/2019
8/28/2019
8/29/2019
10/15/2019
10/16/2019
10/17/2019
10/18/2019
3/2/2020
3/3/2020
3/4/2020
8/11/2020
8/12/2020
8/13/2020
8/14/2020
9/22/2020
9/23/2020
9/24/2020
3/1/2021
3/2/2021
3/3/2021
9/9/2021
9/10/2021
9/13/2021
1/20/2022

Time Series

Constituent: Mercury (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

| | |
|-----------|---------|
| 1/21/2022 | |
| 1/24/2022 | |
| 1/25/2022 | |
| 1/26/2022 | |
| 9/13/2022 | |
| 9/14/2022 | |
| 9/15/2022 | |
| 9/16/2022 | |
| 9/19/2022 | |
| 9/20/2022 | |
| 2/1/2023 | |
| 2/3/2023 | |
| 2/6/2023 | |
| 2/7/2023 | |
| 9/11/2023 | |
| 9/12/2023 | |
| 9/13/2023 | |
| 9/14/2023 | <0.0002 |

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-100 | B-101D | B-102D | B-104D | B-106D | B-107D | B-108D | B-111D | B-120D |
|------------|-------|------------|------------|-------------|--------|--------|-------------|------------|-------------|
| 1/30/2019 | | | | | | | | | |
| 9/11/2019 | | | | | | | | | |
| 10/21/2019 | | | | | | | | | |
| 8/13/2020 | | | | | | | | | |
| 8/17/2020 | <0.01 | | | | | | | | |
| 9/24/2020 | | | | | | | | | |
| 9/25/2020 | <0.01 | | | | | | | | |
| 9/28/2020 | | | | | | | | | |
| 12/9/2020 | | | | 0.0012 (J) | | <0.01 | <0.01 | 0.0055 (J) | |
| 12/17/2020 | | | <0.01 | | <0.01 | | | | |
| 1/11/2021 | | | <0.01 | | | | | | |
| 1/12/2021 | | 0.0022 (J) | | <0.01 | | | | 0.0054 (J) | |
| 3/3/2021 | | | | | | | | | |
| 3/4/2021 | | | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | | |
| 3/5/2021 | | <0.01 | | | | | | 0.0067 (J) | |
| 3/8/2021 | <0.01 | | | | | | | | |
| 3/12/2021 | | | | | | | | | |
| 4/15/2021 | | | | | | | | | 0.00089 (J) |
| 9/9/2021 | | | | | | | | | |
| 9/10/2021 | | | <0.01 | | | | | | |
| 9/13/2021 | <0.01 | <0.01 | | | <0.01 | <0.01 | | | |
| 9/14/2021 | | | | <0.01 | | | <0.01 | 0.013 | <0.01 |
| 1/20/2022 | | | | | | | | | <0.01 |
| 1/21/2022 | <0.01 | | | | | | | | |
| 1/24/2022 | | | | 0.00083 (J) | | <0.01 | <0.01 | 0.0052 (J) | |
| 1/25/2022 | | | | | <0.01 | | | | |
| 1/26/2022 | | <0.01 | | | | | | | |
| 1/27/2022 | | | <0.01 | | | | | | |
| 6/6/2022 | | | | | | | | | |
| 9/8/2022 | <0.01 | | | | | | | | |
| 9/13/2022 | | | | <0.01 | | | | | |
| 9/14/2022 | | | | | | <0.01 | | 0.0069 (J) | |
| 9/15/2022 | | | 0.0015 (J) | | | | <0.01 | | |
| 9/16/2022 | | <0.01 | | | <0.01 | | | | |
| 9/19/2022 | | | | | | | | | <0.01 |
| 2/2/2023 | 0.19 | | <0.01 | | | | | | |
| 2/3/2023 | | <0.01 | | <0.01 | | | | | <0.01 |
| 2/6/2023 | | | | | | <0.01 | | | |
| 2/7/2023 | | | | | <0.01 | | <0.01 | 0.0077 (J) | |
| 9/6/2023 | <0.01 | | | | | | | | |
| 9/7/2023 | | | | | | | | | |
| 9/8/2023 | | <0.01 | | | | | | | |
| 9/11/2023 | | | <0.01 | | <0.01 | | | | |
| 9/12/2023 | | | | | | <0.01 | | | <0.01 |
| 9/13/2023 | | | | 0.00092 (J) | | | 0.00078 (J) | 0.0071 (J) | |

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-122D | B-56 | B-62 |
|------------|------------|-------|-------|
| 1/30/2019 | | | <0.01 |
| 9/11/2019 | | | <0.01 |
| 10/21/2019 | | | <0.01 |
| 8/13/2020 | | | <0.01 |
| 8/17/2020 | | <0.01 | |
| 9/24/2020 | | | <0.01 |
| 9/25/2020 | | | |
| 9/28/2020 | | <0.01 | |
| 12/9/2020 | | | |
| 12/17/2020 | | | |
| 1/11/2021 | | | |
| 1/12/2021 | | | |
| 3/3/2021 | | <0.01 | |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/8/2021 | | | |
| 3/12/2021 | | | <0.01 |
| 4/15/2021 | | | |
| 9/9/2021 | | | <0.01 |
| 9/10/2021 | | | |
| 9/13/2021 | | <0.01 | |
| 9/14/2021 | | | |
| 1/20/2022 | | | <0.01 |
| 1/21/2022 | | | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | | | |
| 1/27/2022 | | <0.01 | |
| 6/6/2022 | <0.01 | | |
| 9/8/2022 | | | <0.01 |
| 9/13/2022 | | | |
| 9/14/2022 | | | |
| 9/15/2022 | | | |
| 9/16/2022 | | <0.01 | |
| 9/19/2022 | | | |
| 2/2/2023 | | | <0.01 |
| 2/3/2023 | | | |
| 2/6/2023 | 0.0011 (J) | | |
| 2/7/2023 | | <0.01 | |
| 9/6/2023 | | | |
| 9/7/2023 | 0.001 (J) | | <0.01 |
| 9/8/2023 | | <0.01 | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |
| 9/13/2023 | | | |

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|------------|-------|------------|-------|-------|-------|------------|-------|-------|-------|
| 3/28/2017 | | | | | | | | | |
| 5/11/2017 | | | | | | | | | |
| 5/15/2017 | | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 7/11/2017 | | | | | | | | | |
| 7/12/2017 | | | | | | | | | |
| 8/8/2017 | | | | | | | | | |
| 10/24/2017 | | | | | | | | | |
| 2/27/2018 | | | | | | | | | |
| 3/8/2018 | | | | | | | | | |
| 7/12/2018 | | | | | | | | | |
| 11/6/2018 | | | | | | | | | |
| 11/7/2018 | | | | | | | | | |
| 1/28/2019 | <0.01 | | | | | | | | |
| 1/30/2019 | | <0.01 | | | | | | | |
| 8/27/2019 | | | | | | | | | |
| 8/28/2019 | | | | | | | | | |
| 9/11/2019 | <0.01 | | | | | | | | |
| 9/12/2019 | | 0.0018 (J) | | | | | | | |
| 9/18/2019 | | | <0.01 | | | | | | |
| 9/23/2019 | | | | <0.01 | | | | | |
| 10/15/2019 | | | | | | | | | |
| 10/16/2019 | | | | | | | | | |
| 10/21/2019 | | 0.0015 (J) | | <0.01 | <0.01 | | | | |
| 10/22/2019 | <0.01 | | | | | | | | |
| 10/24/2019 | | | <0.01 | | | | | | |
| 3/2/2020 | | | | | | | | | |
| 3/9/2020 | | | | | | | | | |
| 8/11/2020 | | | | | | | | | |
| 8/13/2020 | | | <0.01 | | | | | | |
| 8/14/2020 | | | | | <0.01 | | | | |
| 8/17/2020 | | | | <0.01 | | 0.0012 (J) | | | |
| 8/19/2020 | | | | | | | | <0.01 | |
| 9/22/2020 | | | | | | | | | |
| 9/24/2020 | | | <0.01 | | | | | | |
| 9/25/2020 | | | | | <0.01 | 0.0012 (J) | | | |
| 9/28/2020 | | | | <0.01 | | | | <0.01 | |
| 3/1/2021 | | | | | | | | | |
| 3/4/2021 | | | <0.01 | | <0.01 | | | | |
| 3/5/2021 | | | | | | <0.01 | | | |
| 3/9/2021 | | | | | | | | <0.01 | |
| 3/12/2021 | | | | | | | | | |
| 9/9/2021 | | | | | | | | | |
| 9/13/2021 | | | | | | <0.01 | | | |
| 9/14/2021 | <0.01 | <0.01 | <0.01 | <0.01 | | | | | |
| 9/15/2021 | | | | | | | <0.01 | <0.01 | <0.01 |
| 9/16/2021 | | | | | <0.01 | | | | |
| 1/18/2022 | | | | | | | | | |
| 1/20/2022 | <0.01 | | <0.01 | | | | | | |
| 1/21/2022 | | | | | <0.01 | | | | |
| 1/25/2022 | | <0.01 | | <0.01 | | | | | |
| 1/26/2022 | | | | | | | <0.01 | <0.01 | <0.01 |

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|-----------|-------|-------|-------|-------------|-------|-------|-------|-------|-------|
| 1/27/2022 | | | | | | <0.01 | | | |
| 1/28/2022 | | | | | | | | | |
| 9/7/2022 | | | | | | | | | |
| 9/8/2022 | | | | | | | | | |
| 9/12/2022 | | | | | | | <0.01 | <0.01 | |
| 9/13/2022 | | | <0.01 | | <0.01 | | | | <0.01 |
| 9/14/2022 | <0.01 | | | | | | | | |
| 9/16/2022 | | <0.01 | | <0.01 | | <0.01 | | | |
| 1/31/2023 | | | | | | | <0.01 | <0.01 | |
| 2/1/2023 | | | | | | | | | <0.01 |
| 2/2/2023 | <0.01 | | | | | | | | |
| 2/3/2023 | | | | | <0.01 | | | | |
| 2/6/2023 | | | <0.01 | | | | | | |
| 2/7/2023 | | <0.01 | | <0.01 | | <0.01 | | | |
| 9/6/2023 | | | | | | | <0.01 | <0.01 | <0.01 |
| 9/7/2023 | <0.01 | | | | | | | | |
| 9/11/2023 | | <0.01 | | 0.00081 (J) | | | | | |
| 9/12/2023 | | | <0.01 | | <0.01 | <0.01 | | | |

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|------------|------------|--------------|---------------|
| 3/28/2017 | | 0.0242 | <0.01 |
| 5/11/2017 | | 0.0375 | |
| 5/15/2017 | | | <0.01 |
| 6/15/2017 | | 0.0409 | <0.01 |
| 7/11/2017 | | | <0.01 |
| 7/12/2017 | | 0.0321 | |
| 8/8/2017 | | | <0.01 |
| 10/24/2017 | | 0.0227 | <0.01 |
| 2/27/2018 | | | <0.01 |
| 3/8/2018 | | 0.035 | |
| 7/12/2018 | | 0.034 | |
| 11/6/2018 | | | <0.01 |
| 11/7/2018 | | 0.029 | |
| 1/28/2019 | | | |
| 1/30/2019 | | | |
| 8/27/2019 | | | <0.01 |
| 8/28/2019 | | 0.031 | |
| 9/11/2019 | | | |
| 9/12/2019 | | | |
| 9/18/2019 | | | |
| 9/23/2019 | | | |
| 10/15/2019 | | | <0.01 |
| 10/16/2019 | | 0.037 | |
| 10/21/2019 | | | |
| 10/22/2019 | | | |
| 10/24/2019 | | | |
| 3/2/2020 | | | <0.01 |
| 3/9/2020 | | 0.026 | |
| 8/11/2020 | | | <0.01 |
| 8/13/2020 | | 0.012 | |
| 8/14/2020 | | | |
| 8/17/2020 | | | |
| 8/19/2020 | | | |
| 9/22/2020 | | 0.039 | <0.01 |
| 9/24/2020 | | | |
| 9/25/2020 | | | |
| 9/28/2020 | | | |
| 3/1/2021 | | | <0.01 |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/9/2021 | | | |
| 3/12/2021 | | 0.018 | |
| 9/9/2021 | | 0.025 | <0.01 |
| 9/13/2021 | | | |
| 9/14/2021 | | | |
| 9/15/2021 | <0.01 | | |
| 9/16/2021 | | | |
| 1/18/2022 | | | <0.01 |
| 1/20/2022 | | | |
| 1/21/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | 0.0015 (J) | | |

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|-----------|-------------|--------------|---------------|
| 1/27/2022 | | | |
| 1/28/2022 | | 0.026 | |
| 9/7/2022 | | | <0.01 |
| 9/8/2022 | | 0.027 | |
| 9/12/2022 | | | |
| 9/13/2022 | 0.00084 (J) | | |
| 9/14/2022 | | | |
| 9/16/2022 | | | |
| 1/31/2023 | 0.0014 (J) | | <0.01 |
| 2/1/2023 | | 0.023 | |
| 2/2/2023 | | | |
| 2/3/2023 | | | |
| 2/6/2023 | | | |
| 2/7/2023 | | | |
| 9/6/2023 | 0.00075 (J) | | <0.01 |
| 9/7/2023 | | 0.022 | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWA-71 (bg) | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 |
|------------|--------------|---------|---------|---------|------------|---------|---------|---------|---------|
| 8/31/2016 | | <0.01 | <0.01 | | | <0.01 | | | |
| 9/1/2016 | | | | <0.01 | | | | | <0.01 |
| 9/2/2016 | | | | | | | | | |
| 9/6/2016 | | | | | 0.0371 | | <0.01 | | |
| 9/7/2016 | | | | | | | | <0.01 | |
| 12/6/2016 | | <0.01 | <0.01 | | | <0.01 | | | |
| 12/7/2016 | | | | <0.01 | 0.0273 | | <0.01 | | <0.01 |
| 12/8/2016 | | | | | | | | <0.01 | |
| 3/28/2017 | 0.0009 (J) | | | | | | | | |
| 3/29/2017 | | <0.01 | <0.01 | <0.01 | | <0.01 | | | <0.01 |
| 3/30/2017 | | | | | 0.03 | | <0.01 | <0.01 | |
| 5/11/2017 | | | | | | | | | |
| 5/12/2017 | <0.01 | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 6/16/2017 | <0.01 | | | | | | | | |
| 7/11/2017 | <0.01 | | | | | | | | |
| 7/12/2017 | | <0.01 | <0.01 | <0.01 | 0.0323 | <0.01 | <0.01 | <0.01 | <0.01 |
| 10/24/2017 | <0.01 | <0.01 | <0.01 | | | | | | |
| 10/25/2017 | | | | <0.01 | | <0.01 | <0.01 | <0.01 | <0.01 |
| 11/15/2017 | | | | | 0.0275 | | | | |
| 2/27/2018 | <0.01 | <0.01 | <0.01 | <0.01 | | <0.01 | | | |
| 2/28/2018 | | | | | 0.0093 (J) | | <0.01 | <0.01 | <0.01 |
| 7/11/2018 | | | | <0.01 | | <0.01 | <0.01 | <0.01 | <0.01 |
| 11/6/2018 | <0.01 | <0.01 | <0.01 | | | | | | |
| 11/7/2018 | | | | <0.01 | 0.018 | <0.01 | <0.01 | <0.01 | <0.01 |
| 8/27/2019 | <0.01 | <0.01 | <0.01 | <0.01 | | <0.01 | <0.01 | <0.01 | |
| 8/28/2019 | | | | | 0.015 | | <0.01 | | <0.01 |
| 8/29/2019 | | | | | | | | | |
| 9/17/2019 | | | | <0.01 | | | | | |
| 10/15/2019 | <0.01 | <0.01 | <0.01 | <0.01 | | | | | |
| 10/16/2019 | | | | | 0.014 | <0.01 | | | <0.01 |
| 10/17/2019 | | | | | | | <0.01 | | |
| 10/18/2019 | | | | | | | | <0.01 | |
| 3/2/2020 | <0.01 | | <0.01 | <0.01 | | | | | |
| 3/3/2020 | | <0.01 | | | 0.018 | <0.01 | <0.01 | | <0.01 |
| 3/4/2020 | | | | | | | | <0.01 | |
| 8/11/2020 | <0.01 | <0.01 | <0.01 | <0.01 | | <0.01 | | | <0.01 |
| 8/12/2020 | | | | | 0.012 | | | | |
| 8/13/2020 | | | | | | | <0.01 | | |
| 8/14/2020 | | | | | | | | <0.01 | |
| 9/22/2020 | <0.01 | | <0.01 | <0.01 | | <0.01 | | | <0.01 |
| 9/23/2020 | | | | | 0.012 | | <0.01 | | |
| 9/24/2020 | | <0.01 | | | | | | <0.01 | |
| 3/1/2021 | <0.01 | | | | | | | | |
| 3/2/2021 | | | <0.01 | | 0.011 | <0.01 | <0.01 | | <0.01 |
| 3/3/2021 | | | | <0.01 | | | | <0.01 | |
| 3/4/2021 | | <0.01 | | | | | | | |
| 9/8/2021 | <0.01 | | | | | | | | |
| 9/9/2021 | | | <0.01 | <0.01 | 0.011 | <0.01 | <0.01 | | <0.01 |
| 9/10/2021 | | <0.01 | | | | | | | |
| 9/13/2021 | | | | | | | | <0.01 | |
| 1/18/2022 | <0.01 | | | | | | | | |

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWA-71 (bg) | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 |
|-----------|--------------|---------|---------|---------|------------|---------|---------|---------|---------|
| 1/20/2022 | | | | | | | | | |
| 1/21/2022 | | | | | | | | | |
| 1/24/2022 | | | | | | | <0.01 | <0.01 | |
| 1/25/2022 | | | <0.01 | <0.01 | 0.0093 (J) | <0.01 | | | <0.01 |
| 1/26/2022 | | <0.01 | | | | | | | |
| 9/7/2022 | <0.01 | | | | | | | | |
| 9/13/2022 | | | | | | <0.01 | <0.01 | | |
| 9/14/2022 | | | | | | | | <0.01 | <0.01 |
| 9/15/2022 | | <0.01 | <0.01 | <0.01 | 0.0094 (J) | | | | |
| 9/20/2022 | | | | | | | | | |
| 1/31/2023 | <0.01 | | | | | | | | |
| 2/1/2023 | | | | | 0.0085 (J) | <0.01 | | | |
| 2/2/2023 | | <0.01 | | | | | <0.01 | | |
| 2/6/2023 | | | <0.01 | <0.01 | | | | <0.01 | <0.01 |
| 2/7/2023 | | | | | | | | | |
| 9/6/2023 | <0.01 | | | | | | | | |
| 9/8/2023 | | | <0.01 | | 0.0073 (J) | <0.01 | <0.01 | | <0.01 |
| 9/11/2023 | | <0.01 | | <0.01 | | | | | |
| 9/13/2023 | | | | | | | <0.01 | | |

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|------------|------------|---------|---------|
| 8/31/2016 | | | |
| 9/1/2016 | | | |
| 9/2/2016 | | <0.01 | <0.01 |
| 9/6/2016 | | | |
| 9/7/2016 | | | |
| 12/6/2016 | | | |
| 12/7/2016 | | <0.01 | |
| 12/8/2016 | | | <0.01 |
| 3/28/2017 | | | |
| 3/29/2017 | | <0.01 | |
| 3/30/2017 | 0.0009 (J) | | <0.01 |
| 5/11/2017 | 0.0009 (J) | | |
| 5/12/2017 | | | |
| 6/15/2017 | <0.01 | | |
| 6/16/2017 | | | |
| 7/11/2017 | <0.01 | | |
| 7/12/2017 | | <0.01 | <0.01 |
| 10/24/2017 | <0.01 | | |
| 10/25/2017 | | <0.01 | <0.01 |
| 11/15/2017 | | | |
| 2/27/2018 | <0.01 | | |
| 2/28/2018 | | <0.01 | <0.01 |
| 7/11/2018 | <0.01 | <0.01 | <0.01 |
| 11/6/2018 | <0.01 | | |
| 11/7/2018 | | <0.01 | <0.01 |
| 8/27/2019 | 0.002 (J) | | |
| 8/28/2019 | | | |
| 8/29/2019 | | <0.01 | <0.01 |
| 9/17/2019 | | | |
| 10/15/2019 | | | |
| 10/16/2019 | | | |
| 10/17/2019 | 0.0018 (J) | <0.01 | <0.01 |
| 10/18/2019 | | | |
| 3/2/2020 | | | |
| 3/3/2020 | 0.0022 (J) | | <0.01 |
| 3/4/2020 | | <0.01 | |
| 8/11/2020 | 0.002 (J) | | |
| 8/12/2020 | | | |
| 8/13/2020 | | <0.01 | |
| 8/14/2020 | | | <0.01 |
| 9/22/2020 | | <0.01 | |
| 9/23/2020 | 0.0022 (J) | | |
| 9/24/2020 | | | <0.01 |
| 3/1/2021 | | | |
| 3/2/2021 | 0.0021 (J) | <0.01 | |
| 3/3/2021 | | | <0.01 |
| 3/4/2021 | | | |
| 9/8/2021 | | | |
| 9/9/2021 | 0.0023 (J) | | <0.01 |
| 9/10/2021 | | <0.01 | |
| 9/13/2021 | | | |
| 1/18/2022 | | | |

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|-----------|------------|---------|---------|
| 1/20/2022 | 0.0022 (J) | | <0.01 |
| 1/21/2022 | | <0.01 | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | | | |
| 9/7/2022 | | | |
| 9/13/2022 | | | |
| 9/14/2022 | | | |
| 9/15/2022 | | <0.01 | <0.01 |
| 9/20/2022 | 0.0021 (J) | | |
| 1/31/2023 | | | |
| 2/1/2023 | | | |
| 2/2/2023 | | | |
| 2/6/2023 | 0.0021 (J) | | |
| 2/7/2023 | | <0.01 | <0.01 |
| 9/6/2023 | | | |
| 9/8/2023 | | | |
| 9/11/2023 | | <0.01 | <0.01 |
| 9/13/2023 | 0.0022 (J) | | |

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-22 | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 | DGWC-48 | DGWC-5 | DGWC-8 | DGWC-9 |
|------------|---------|------------|------------|---------|---------|---------|--------|--------|--------|
| 8/30/2016 | | | | | | | | <0.01 | <0.01 |
| 8/31/2016 | | | | | | | <0.01 | | |
| 9/1/2016 | | | | | <0.01 | <0.01 | | | |
| 9/2/2016 | <0.01 | | | | | | | | |
| 9/7/2016 | | | | <0.01 | | | | | |
| 12/6/2016 | | | | | | | <0.01 | <0.01 | <0.01 |
| 12/8/2016 | <0.01 | | | <0.01 | <0.01 | <0.01 | | | |
| 3/28/2017 | | | 0.008 (J) | | | | <0.01 | | <0.01 |
| 3/29/2017 | <0.01 | | | | | | | <0.01 | |
| 3/30/2017 | | 0.0084 (J) | | | | <0.01 | | | |
| 3/31/2017 | | | | <0.01 | <0.01 | | | | |
| 5/12/2017 | | 0.0085 (J) | 0.0062 (J) | | | | | | |
| 6/15/2017 | | 0.0104 | 0.0044 (J) | | | | | | |
| 7/11/2017 | | | 0.0041 (J) | | | | <0.01 | <0.01 | <0.01 |
| 7/12/2017 | | 0.0092 (J) | | | | | | | |
| 7/13/2017 | <0.01 | | | <0.01 | <0.01 | <0.01 | | | |
| 10/24/2017 | | | 0.0072 (J) | | | | | <0.01 | <0.01 |
| 10/25/2017 | <0.01 | | | <0.01 | | | <0.01 | | |
| 10/26/2017 | | 0.0077 (J) | | | <0.01 | <0.01 | | | |
| 2/27/2018 | | | 0.0069 (J) | | | | <0.01 | <0.01 | <0.01 |
| 2/28/2018 | <0.01 | | | <0.01 | | | | | |
| 3/1/2018 | | 0.0045 (J) | | | <0.01 | | | | |
| 3/2/2018 | | | | | | <0.01 | | | |
| 7/11/2018 | | | | <0.01 | | | | | <0.01 |
| 7/12/2018 | <0.01 | 0.012 | | | <0.01 | <0.01 | | | |
| 11/6/2018 | | | <0.01 (J) | | | | <0.01 | <0.01 | <0.01 |
| 11/7/2018 | <0.01 | | | <0.01 | <0.01 | <0.01 | | | |
| 11/8/2018 | | 0.012 | | | | | | | |
| 8/27/2019 | | | 0.0065 (J) | | | | <0.01 | | <0.01 |
| 8/28/2019 | | | | <0.01 | | | | <0.01 | |
| 8/29/2019 | <0.01 | 0.014 | | | <0.01 | <0.01 | | | |
| 10/15/2019 | | | 0.0061 (J) | | | | | | |
| 10/16/2019 | | | | | | | <0.01 | <0.01 | |
| 10/17/2019 | | | | <0.01 | <0.01 | | | | <0.01 |
| 10/18/2019 | <0.01 | 0.0091 (J) | | | | <0.01 | | | |
| 3/2/2020 | | | 0.0059 (J) | | | | <0.01 | | |
| 3/3/2020 | <0.01 | | | | | | | <0.01 | <0.01 |
| 3/4/2020 | | 0.0047 (J) | | <0.01 | <0.01 | <0.01 | | | |
| 8/11/2020 | | | | | | | | | <0.01 |
| 8/12/2020 | | | 0.0057 (J) | | <0.01 | | <0.01 | <0.01 | |
| 8/13/2020 | | 0.013 | | <0.01 | | <0.01 | | | |
| 8/14/2020 | <0.01 | | | | | | | | |
| 9/22/2020 | | | 0.0028 (J) | <0.01 | | | <0.01 | | <0.01 |
| 9/23/2020 | | | | | <0.01 | <0.01 | | <0.01 | |
| 9/24/2020 | <0.01 | 0.0088 (J) | | | | | | | |
| 3/1/2021 | | | 0.0051 (J) | | | | | | |
| 3/2/2021 | | | | | | | <0.01 | <0.01 | <0.01 |
| 3/3/2021 | <0.01 | 0.0026 (J) | | <0.01 | <0.01 | <0.01 | | | |
| 9/9/2021 | | 0.01 | | | | | | | |
| 9/10/2021 | <0.01 | | 0.0052 (J) | | <0.01 | <0.01 | <0.01 | | <0.01 |
| 9/13/2021 | | | | <0.01 | | | | <0.01 | |
| 1/20/2022 | <0.01 | 0.0073 (J) | | <0.01 | | | | | |

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-22 | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 | DGWC-48 | DGWC-5 | DGWC-8 | DGWC-9 |
|-----------|-------------|------------|------------|---------|---------|---------|--------|--------|--------|
| 1/21/2022 | | | | | <0.01 | | | | |
| 1/24/2022 | | | 0.0045 (J) | | | <0.01 | <0.01 | | |
| 1/25/2022 | | | | | | | | <0.01 | |
| 1/26/2022 | | | | | | | | | <0.01 |
| 9/13/2022 | | | | <0.01 | <0.01 | <0.01 | | | |
| 9/14/2022 | | | | | | | <0.01 | | |
| 9/15/2022 | | | | | | | | <0.01 | |
| 9/16/2022 | <0.01 | | | | | | | | |
| 9/19/2022 | | | 0.0037 (J) | | | | | | <0.01 |
| 9/20/2022 | | 0.0095 (J) | | | | | | | |
| 2/1/2023 | | | | <0.01 | | | | | |
| 2/3/2023 | | | 0.0035 (J) | | <0.01 | <0.01 | | | <0.01 |
| 2/6/2023 | <0.01 | 0.007 (J) | | | | | | | |
| 2/7/2023 | | | | | | | <0.01 | <0.01 | |
| 9/11/2023 | 0.00097 (J) | 0.0088 (J) | | | | | | | |
| 9/12/2023 | | | | | <0.01 | | | <0.01 | |
| 9/13/2023 | | | 0.0034 (J) | <0.01 | | <0.01 | <0.01 | | |
| 9/14/2023 | | | | | | | | | |

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

8/30/2016
8/31/2016
9/1/2016
9/2/2016
9/7/2016
12/6/2016
12/8/2016
3/28/2017
3/29/2017
3/30/2017
3/31/2017
5/12/2017
6/15/2017
7/11/2017
7/12/2017
7/13/2017
10/24/2017
10/25/2017
10/26/2017
2/27/2018
2/28/2018
3/1/2018
3/2/2018
7/11/2018
7/12/2018
11/6/2018
11/7/2018
11/8/2018
8/27/2019
8/28/2019
8/29/2019
10/15/2019
10/16/2019
10/17/2019
10/18/2019
3/2/2020
3/3/2020
3/4/2020
8/11/2020
8/12/2020
8/13/2020
8/14/2020
9/22/2020
9/23/2020
9/24/2020
3/1/2021
3/2/2021
3/3/2021
9/9/2021
9/10/2021
9/13/2021
1/20/2022

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

| | |
|-----------|------------|
| 1/21/2022 | |
| 1/24/2022 | |
| 1/25/2022 | |
| 1/26/2022 | |
| 9/13/2022 | |
| 9/14/2022 | |
| 9/15/2022 | |
| 9/16/2022 | |
| 9/19/2022 | |
| 9/20/2022 | |
| 2/1/2023 | |
| 2/3/2023 | |
| 2/6/2023 | |
| 2/7/2023 | |
| 9/11/2023 | |
| 9/12/2023 | |
| 9/13/2023 | |
| 9/14/2023 | 0.0034 (J) |

Time Series

Constituent: pH, Field (SU) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-100 | B-101D | B-102D | B-104D | B-106D | B-107D | B-108D | B-111D | B-120D |
|------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 9/11/2019 | | | | | | | | | |
| 10/21/2019 | | | | | | | | | |
| 8/3/2020 | 4.93 | | | | | | | | |
| 8/13/2020 | | | | | | | | | |
| 8/17/2020 | 5.02 | | | | | | | | |
| 9/24/2020 | | | | | | | | | |
| 9/25/2020 | 5.53 | | | | | | | | |
| 9/28/2020 | | | | | | | | | |
| 12/9/2020 | | | | 6.44 | | 5.91 | 5.94 | 6.64 | |
| 12/17/2020 | | | 5.39 | | 5.82 | | | | |
| 1/11/2021 | | | 5.55 | | | | | | |
| 1/12/2021 | | 5.26 | | 6.24 | | | | 6.71 | |
| 3/3/2021 | | | | | | | | | |
| 3/4/2021 | | | 5.43 | 6.27 | 5.85 | 5.97 | 5.88 | | |
| 3/5/2021 | | 6.52 | | | | | | 6.69 | |
| 3/8/2021 | 5.32 | | | | | | | | |
| 3/12/2021 | | | | | | | | | |
| 4/15/2021 | | | | | | | | | 5.46 |
| 9/9/2021 | | | | | | | | | |
| 9/10/2021 | | | 5.36 | | | | | | |
| 9/13/2021 | 5.27 | 6.07 | | | 5.91 | 5.88 | | | |
| 9/14/2021 | | | | 8.58 | | | 5.81 | 7.29 | 5.3 |
| 1/20/2022 | | | | | | | | | 5.28 |
| 1/21/2022 | 5.23 | | | | | | | | |
| 1/24/2022 | | | | 6.48 | | 6.05 | 5.99 | 7.11 | |
| 1/25/2022 | | | | | 5.84 | | | | |
| 1/26/2022 | | 5.87 | | | | | | | |
| 1/27/2022 | | | 5.33 | | | | | | |
| 6/6/2022 | | | | | | | | | |
| 9/8/2022 | 5.24 | | | | | | | | |
| 9/9/2022 | | | | | | | | | |
| 9/13/2022 | | | | 6.49 | | | | | |
| 9/14/2022 | | | | | | 5.87 | | 7.09 | |
| 9/15/2022 | | | 5.43 | | | | 5.86 | | |
| 9/16/2022 | | 5.92 | | | 5.82 | | | | |
| 9/19/2022 | | | | | | | | | 5.21 |
| 2/2/2023 | 5.3 | | 5.47 | | | | | | |
| 2/3/2023 | | 5.95 | | 6.17 | | | | | 5.59 |
| 2/6/2023 | | | | | | 5.9 | | | |
| 2/7/2023 | | | | | 5.86 | | 5.92 | 7.3 | |
| 9/6/2023 | 5.25 | | | | | | | | |
| 9/7/2023 | | | | | | | | | |
| 9/8/2023 | | 6.04 | | | | | | | |
| 9/11/2023 | | | 5.39 | | 5.8 | | | | |
| 9/12/2023 | | | | | | 5.85 | | | 5.27 |
| 9/13/2023 | | | | 6.44 | | | 5.88 | 7.01 | |

Time Series

Constituent: pH, Field (SU) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-122D | B-56 | B-62 |
|------------|--------|------|----------|
| 9/11/2019 | | | 6.27 |
| 10/21/2019 | | | 6.24 |
| 8/3/2020 | | | |
| 8/13/2020 | | | 6.4 |
| 8/17/2020 | | 4.82 | |
| 9/24/2020 | | | 6.55 |
| 9/25/2020 | | | |
| 9/28/2020 | | 4.9 | |
| 12/9/2020 | | | |
| 12/17/2020 | | | |
| 1/11/2021 | | | |
| 1/12/2021 | | | |
| 3/3/2021 | | 4.71 | |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/8/2021 | | | |
| 3/12/2021 | | | 6.34 |
| 4/15/2021 | | | |
| 9/9/2021 | | | 6.31 |
| 9/10/2021 | | | |
| 9/13/2021 | | 4.69 | |
| 9/14/2021 | | | |
| 1/20/2022 | | | 6.32 |
| 1/21/2022 | | | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | | | |
| 1/27/2022 | | 4.7 | |
| 6/6/2022 | 6.02 | | |
| 9/8/2022 | | | 6.22 |
| 9/9/2022 | | | 6.22 (D) |
| 9/13/2022 | | | |
| 9/14/2022 | 6.07 | | |
| 9/15/2022 | | | |
| 9/16/2022 | | 4.56 | |
| 9/19/2022 | | | |
| 2/2/2023 | | | 6.33 |
| 2/3/2023 | | | |
| 2/6/2023 | 6.08 | | |
| 2/7/2023 | | 4.55 | |
| 9/6/2023 | | | |
| 9/7/2023 | 5.94 | | 6.38 |
| 9/8/2023 | | 4.6 | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |
| 9/13/2023 | | | |

Time Series

Constituent: pH, Field (SU) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|------------|------|------|------|------|------|------|------|------|------|
| 3/28/2017 | | | | | | | | | |
| 5/11/2017 | | | | | | | | | |
| 5/15/2017 | | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 7/11/2017 | | | | | | | | | |
| 7/12/2017 | | | | | | | | | |
| 8/8/2017 | | | | | | | | | |
| 10/24/2017 | | | | | | | | | |
| 11/15/2017 | | | | | | | | | |
| 2/27/2018 | | | | | | | | | |
| 3/8/2018 | | | | | | | | | |
| 7/10/2018 | | | | | | | | | |
| 7/12/2018 | | | | | | | | | |
| 11/6/2018 | | | | | | | | | |
| 11/7/2018 | | | | | | | | | |
| 1/28/2019 | 5.39 | | | | | | | | |
| 1/30/2019 | | 6.83 | | | | | | | |
| 3/12/2019 | | | | | | | | | |
| 3/13/2019 | | | | | | | | | |
| 8/27/2019 | | | | | | | | | |
| 8/28/2019 | | | | | | | | | |
| 9/11/2019 | 5.48 | | | | | | | | |
| 9/12/2019 | | 6.87 | | | | | | | |
| 9/18/2019 | | | 6.14 | | | | | | |
| 9/23/2019 | | | | 5.21 | | | | | |
| 10/15/2019 | | | | | | | | | |
| 10/16/2019 | | | | | | | | | |
| 10/21/2019 | | 6.74 | | 5.34 | 5.54 | | | | |
| 10/22/2019 | 5.55 | | | | | | | | |
| 10/24/2019 | | | 6.26 | | | | | | |
| 3/2/2020 | | | | | | | | | |
| 3/9/2020 | | | | | | | | | |
| 8/11/2020 | | | | | | | | | |
| 8/13/2020 | | | 6.14 | | | | | | |
| 8/14/2020 | | | | | 5.59 | | | | |
| 8/17/2020 | | | | 5.48 | | 5.76 | | | |
| 8/19/2020 | | | | | | | | 4.78 | |
| 9/22/2020 | | | | | | | | | |
| 9/24/2020 | | | 6.46 | | | | | | |
| 9/25/2020 | | | | | 5.97 | 5.75 | | | |
| 9/28/2020 | | | | 5.84 | | | | 4.67 | |
| 3/1/2021 | | | | | | | | | |
| 3/4/2021 | | | 6.33 | | 5.6 | | | | |
| 3/5/2021 | | | | | | 5.21 | | | |
| 3/9/2021 | | | | | | | 4.62 | 4.73 | 5.55 |
| 3/12/2021 | 5.51 | 6.53 | | 5.29 | | | | | |
| 3/15/2021 | | | | | | | | | |
| 9/9/2021 | | | | | | | | | |
| 9/13/2021 | | | | | | 5.68 | | | |
| 9/14/2021 | 5.46 | 5.54 | 6.42 | 5.15 | | | | | |
| 9/15/2021 | | | | | | | 4.55 | 4.6 | 5.49 |
| 9/16/2021 | | | | | 5.58 | | | | |

Time Series

Constituent: pH, Field (SU) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|-----------|------|------|------|----------|------|------|------|------|------|
| 1/18/2022 | | | | | | | | | |
| 1/20/2022 | 5.46 | | 6.48 | | | | | | |
| 1/21/2022 | | | | | 5.56 | | | | |
| 1/25/2022 | | 6.35 | | 5.07 | | | | | |
| 1/26/2022 | | | | | | | 4.5 | 4.74 | 6.52 |
| 1/27/2022 | | | | | | 5.5 | | | |
| 1/28/2022 | | | | | | | | | |
| 9/7/2022 | | | | | | | | | |
| 9/8/2022 | | | | | | | | | |
| 9/12/2022 | | | | | | | 4.56 | 4.7 | |
| 9/13/2022 | | | 6.34 | | 5.6 | | | | 5.54 |
| 9/14/2022 | 5.31 | | | | | | | | |
| 9/16/2022 | | 6.6 | | 5.02 (D) | | 5.47 | | | |
| 1/31/2023 | | | | | | | 4.48 | 4.68 | |
| 2/1/2023 | | | | | | | | | 5.47 |
| 2/2/2023 | 5.85 | | | | | | | | |
| 2/3/2023 | | | | | 5.59 | | | | |
| 2/6/2023 | | | 6.53 | | | | | | |
| 2/7/2023 | | 6.22 | | 5.28 | | 5.59 | | | |
| 9/6/2023 | | | | | | | 4.71 | 4.85 | 5.61 |
| 9/7/2023 | 5.27 | | | | | | | | |
| 9/11/2023 | | 6.22 | | 5.6 | | | | | |
| 9/12/2023 | | | 6.55 | | 5.66 | 5.41 | | | |

Time Series

Constituent: pH, Field (SU) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|------------|------|--------------|---------------|
| 3/28/2017 | | 6.29 | |
| 5/11/2017 | | 6.6 | |
| 5/15/2017 | | | 5.72 |
| 6/15/2017 | | 6.41 | 5.74 |
| 7/11/2017 | | | 5.62 |
| 7/12/2017 | | 5.91 | |
| 8/8/2017 | | | 5.6 |
| 10/24/2017 | | 5.51 | 5.71 |
| 11/15/2017 | | 6.5 | |
| 2/27/2018 | | | 5.5 |
| 3/8/2018 | | 6.18 | |
| 7/10/2018 | | | 5.44 |
| 7/12/2018 | | 6.33 | |
| 11/6/2018 | | | 5.71 |
| 11/7/2018 | | 6.22 | |
| 1/28/2019 | | | |
| 1/30/2019 | | | |
| 3/12/2019 | | | 5.52 |
| 3/13/2019 | | 6 | |
| 8/27/2019 | | | 5.53 |
| 8/28/2019 | | 6.04 | |
| 9/11/2019 | | | |
| 9/12/2019 | | | |
| 9/18/2019 | | | |
| 9/23/2019 | | | |
| 10/15/2019 | | | 5.61 |
| 10/16/2019 | | 6.69 | |
| 10/21/2019 | | | |
| 10/22/2019 | | | |
| 10/24/2019 | | | |
| 3/2/2020 | | | 5.54 |
| 3/9/2020 | | 6.41 | |
| 8/11/2020 | | | 5.86 |
| 8/13/2020 | | 6.17 | |
| 8/14/2020 | | | |
| 8/17/2020 | | | |
| 8/19/2020 | | | |
| 9/22/2020 | | 6.43 | 6.01 |
| 9/24/2020 | | | |
| 9/25/2020 | | | |
| 9/28/2020 | | | |
| 3/1/2021 | | | 5.43 |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/9/2021 | | | |
| 3/12/2021 | | 6.38 | |
| 3/15/2021 | 6.3 | | |
| 9/9/2021 | | 6.41 | 5.5 |
| 9/13/2021 | | | |
| 9/14/2021 | | | |
| 9/15/2021 | 5.4 | | |
| 9/16/2021 | | | |

Time Series

Constituent: pH, Field (SU) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|-----------|------|--------------|---------------|
| 1/18/2022 | | | 5.5 |
| 1/20/2022 | | | |
| 1/21/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | 6.52 | | |
| 1/27/2022 | | | |
| 1/28/2022 | | 6.35 | |
| 9/7/2022 | | | 5.6 |
| 9/8/2022 | | 6.32 | |
| 9/12/2022 | | | |
| 9/13/2022 | 6.18 | | |
| 9/14/2022 | | | |
| 9/16/2022 | | | |
| 1/31/2023 | 6.76 | | 5.59 |
| 2/1/2023 | | 6.42 | |
| 2/2/2023 | | | |
| 2/3/2023 | | | |
| 2/6/2023 | | | |
| 2/7/2023 | | | |
| 9/6/2023 | 6.16 | 6.51 | 5.5 |
| 9/7/2023 | | | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |

Time Series

Constituent: pH, Field (SU) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|------------|--------|---------|---------|
| 8/31/2016 | | | |
| 9/1/2016 | | | |
| 9/2/2016 | | 4.7 | 5.7 |
| 9/6/2016 | | | |
| 9/7/2016 | | | |
| 12/6/2016 | | | |
| 12/7/2016 | | | |
| 12/8/2016 | | | 5.64 |
| 3/28/2017 | | | |
| 3/29/2017 | | 4.7 | |
| 3/30/2017 | 5.75 | | 5.79 |
| 5/11/2017 | 5.67 | | |
| 5/12/2017 | | | |
| 6/15/2017 | 5.75 | | |
| 6/16/2017 | | | |
| 7/11/2017 | 5.87 | | |
| 7/12/2017 | | 4.67 | 5.71 |
| 10/24/2017 | 5.82 | | |
| 10/25/2017 | | 4.71 | 5.68 |
| 11/15/2017 | | | |
| 2/27/2018 | 5.85 | | |
| 2/28/2018 | | 4.51 | 5.71 |
| 7/10/2018 | | | |
| 7/11/2018 | 5.85 | 4.68 | |
| 11/6/2018 | 5.88 | | |
| 11/7/2018 | | 4.64 | 5.61 |
| 3/12/2019 | 5.94 | | |
| 3/13/2019 | | 4.65 | 5.62 |
| 3/14/2019 | | | |
| 8/27/2019 | 5.94 | | |
| 8/28/2019 | | | |
| 8/29/2019 | | 4.64 | 5.61 |
| 9/17/2019 | | | |
| 10/15/2019 | | | |
| 10/16/2019 | | | |
| 10/17/2019 | 6.16 | 4.64 | 5.57 |
| 10/18/2019 | | | |
| 3/2/2020 | | | |
| 3/3/2020 | 5.94 | | 5.65 |
| 3/4/2020 | | 4.22 | |
| 8/11/2020 | 6.04 | | |
| 8/12/2020 | | | |
| 8/13/2020 | | 4.36 | |
| 8/14/2020 | | | 5.66 |
| 9/22/2020 | | 4.66 | |
| 9/23/2020 | 5.99 | | |
| 9/24/2020 | | | 5.64 |
| 3/1/2021 | | | |
| 3/2/2021 | 6.01 | 4.45 | |
| 3/3/2021 | | | 5.63 |
| 3/4/2021 | | | |
| 9/8/2021 | | | |

Time Series

Constituent: pH, Field (SU) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|-----------|--------|---------|---------|
| 9/9/2021 | 6 | | 5.73 |
| 9/10/2021 | | 4.67 | |
| 9/13/2021 | | | |
| 1/18/2022 | | | |
| 1/20/2022 | 5.93 | | 5.73 |
| 1/21/2022 | | 4.47 | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | | | |
| 9/7/2022 | | | |
| 9/13/2022 | | | |
| 9/14/2022 | | | |
| 9/15/2022 | | 4.58 | 5.69 |
| 9/20/2022 | 5.98 | | |
| 1/31/2023 | | | |
| 2/1/2023 | | | |
| 2/2/2023 | | | |
| 2/6/2023 | 5.17 | | |
| 2/7/2023 | | 4.33 | 5.7 |
| 9/6/2023 | | | |
| 9/8/2023 | | | |
| 9/11/2023 | | 4.06 | 5.61 |
| 9/13/2023 | 6.06 | | |

Time Series

Constituent: pH, Field (SU) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-22 | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 | DGWC-48 | DGWC-5 | DGWC-8 | DGWC-9 |
|------------|---------|---------|--------|---------|---------|---------|--------|--------|--------|
| 8/30/2016 | | | | | | | | 5.33 | 4.08 |
| 8/31/2016 | | | | | | | 4.31 | | |
| 9/1/2016 | | | | | 5.11 | 4.7 | | | |
| 9/2/2016 | 5.74 | | | | | | | | |
| 9/7/2016 | | | | 5.35 | | | | | |
| 12/6/2016 | | | | | | | 4.43 | 5.39 | 4.15 |
| 12/8/2016 | 6.03 | | | 5.41 | 5.71 | 4.58 | | | |
| 3/28/2017 | | | 6.01 | | | | 4.44 | | 4.16 |
| 3/29/2017 | 5.77 | | | | | | | 5.23 | |
| 3/30/2017 | | 6.03 | | | | 4.19 | | | |
| 3/31/2017 | | | | 5.36 | 4.58 | | | | |
| 5/12/2017 | | 5.97 | 5.87 | | | | | | |
| 6/15/2017 | | 6 | 6.03 | | | | | | |
| 7/11/2017 | | | 6.04 | | | | 4.46 | 5.33 | 4.23 |
| 7/12/2017 | | 5.97 | | | | | | | |
| 7/13/2017 | 5.71 | | | 5.27 | 4.95 | 4.3 | | | |
| 10/24/2017 | | | 5.99 | | | | | 5.05 | 4.06 |
| 10/25/2017 | 5.77 | | | 5.38 | | | 4.54 | | |
| 10/26/2017 | | 5.9 | | | 4.41 | 4.39 | | | |
| 11/15/2017 | | | 5.92 | | | | | | |
| 2/27/2018 | | | 6.03 | | | | 4.87 | 5.08 | 4.04 |
| 2/28/2018 | 5.77 | | | 5.37 | | | | | |
| 3/1/2018 | | 6.19 | | | 3.93 | | | | |
| 3/2/2018 | | | | | | 4.14 | | | |
| 7/10/2018 | | | 5.96 | | | | 4.77 | 5.11 | |
| 7/11/2018 | | | | 5.19 | | | | | 4.03 |
| 7/12/2018 | 5.62 | 5.97 | | | 4.33 | 4.36 | | | |
| 11/6/2018 | | | 5.97 | | | | 4.89 | 5.13 | 4 |
| 11/7/2018 | 5.71 | | | 5.18 | 4.48 | 4.23 | | | |
| 11/8/2018 | | 5.96 | | | | | | | |
| 3/12/2019 | | | 5.85 | | | | 4.42 | 5.07 | 3.98 |
| 3/14/2019 | 5.67 | 5.99 | | 5.1 | 3.88 | 4.12 | | | |
| 8/27/2019 | | | 5.84 | | | | 4.83 | | 4.02 |
| 8/28/2019 | | | | 5.3 | | | | 5.11 | |
| 8/29/2019 | 5.66 | 5.96 | | | 4.35 | 4.28 | | | |
| 10/15/2019 | | | 5.98 | | | | | | |
| 10/16/2019 | | | | | | | 4.78 | 5.33 | |
| 10/17/2019 | | | | 5.2 | 4.6 | | | | 4.02 |
| 10/18/2019 | 5.61 | 5.99 | | | | 4.22 | | | |
| 3/2/2020 | | | 5.88 | | | | 4.8 | | |
| 3/3/2020 | 5.74 | | | | | | | 5.12 | 4.07 |
| 3/4/2020 | | 5.68 | | 5.18 | 3.86 | 4.27 | | | |
| 8/11/2020 | | | | | | | | | 4 |
| 8/12/2020 | | | 5.93 | | 4.43 | | 4.84 | 5.36 | |
| 8/13/2020 | | 6 | | 5.34 | | 4.26 | | | |
| 8/14/2020 | 5.76 | | | | | | | | |
| 9/22/2020 | | | 5.88 | 5.76 | | | 4.83 | | 4 |
| 9/23/2020 | | | | | 4.4 | 4.64 | | 5.21 | |
| 9/24/2020 | 5.69 | 6.19 | | | | | | | |
| 3/1/2021 | | | 5.82 | | | | | | |
| 3/2/2021 | | | | | | | 5 | 6.6 | 3.99 |
| 3/3/2021 | 5.71 | 5.85 | | 5.3 | 3.98 | 4.14 | | | |

Time Series

Constituent: pH, Field (SU) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

8/30/2016
8/31/2016
9/1/2016
9/2/2016
9/7/2016
12/6/2016
12/8/2016
3/28/2017
3/29/2017
3/30/2017
3/31/2017
5/12/2017
6/15/2017
7/11/2017
7/12/2017
7/13/2017
10/24/2017
10/25/2017
10/26/2017
11/15/2017
2/27/2018
2/28/2018
3/1/2018
3/2/2018
7/10/2018
7/11/2018
7/12/2018
11/6/2018
11/7/2018
11/8/2018
3/12/2019
3/14/2019
8/27/2019
8/28/2019
8/29/2019
10/15/2019
10/16/2019
10/17/2019
10/18/2019
3/2/2020
3/3/2020
3/4/2020
8/11/2020
8/12/2020
8/13/2020
8/14/2020
9/22/2020
9/23/2020
9/24/2020
3/1/2021
3/2/2021
3/3/2021

Time Series

Constituent: pH, Field (SU) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

| | |
|-----------|------|
| 9/9/2021 | |
| 9/10/2021 | |
| 9/13/2021 | |
| 1/20/2022 | |
| 1/21/2022 | |
| 1/24/2022 | |
| 1/25/2022 | |
| 1/26/2022 | |
| 9/13/2022 | |
| 9/14/2022 | |
| 9/15/2022 | |
| 9/16/2022 | |
| 9/19/2022 | |
| 9/20/2022 | |
| 2/1/2023 | |
| 2/3/2023 | |
| 2/6/2023 | |
| 2/7/2023 | |
| 3/16/2023 | 5.66 |
| 3/21/2023 | 6.53 |
| 4/10/2023 | 5.98 |
| 9/11/2023 | |
| 9/12/2023 | |
| 9/13/2023 | |
| 9/14/2023 | 5.84 |

Time Series

Constituent: Selenium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-100 | B-101D | B-102D | B-104D | B-106D | B-107D | B-108D | B-111D | B-120D |
|------------|------------|------------|--------|------------|--------|--------|------------|------------|------------|
| 1/30/2019 | | | | | | | | | |
| 9/11/2019 | | | | | | | | | |
| 10/21/2019 | | | | | | | | | |
| 8/13/2020 | | | | | | | | | |
| 8/17/2020 | <0.005 | | | | | | | | |
| 9/24/2020 | | | | | | | | | |
| 9/25/2020 | <0.005 | | | | | | | | |
| 9/28/2020 | | | | | | | | | |
| 12/9/2020 | | | | <0.005 | | <0.005 | <0.005 | <0.005 | |
| 12/17/2020 | | | <0.005 | | <0.005 | | | | |
| 1/11/2021 | | | <0.005 | | | | | | |
| 1/12/2021 | | <0.005 | | 0.0016 (J) | | | | <0.005 | |
| 3/3/2021 | | | | | | | | | |
| 3/4/2021 | | | <0.005 | 0.0031 (J) | <0.005 | <0.005 | 0.0016 (J) | | |
| 3/5/2021 | | 0.0031 (J) | | | | | | 0.0022 (J) | |
| 3/8/2021 | 0.0019 (J) | | | | | | | | |
| 3/12/2021 | | | | | | | | | |
| 4/15/2021 | | | | | | | | | 0.0016 (J) |
| 9/9/2021 | | | | | | | | | |
| 9/10/2021 | | | <0.005 | | | | | | |
| 9/13/2021 | <0.005 | <0.005 | | | <0.005 | <0.005 | | | |
| 9/14/2021 | | | | <0.005 | | | <0.005 | <0.005 | 0.0022 (J) |
| 1/20/2022 | | | | | | | | | 0.0021 (J) |
| 1/21/2022 | <0.005 | | | | | | | | |
| 1/24/2022 | | | | <0.005 | | <0.005 | <0.005 | <0.005 | |
| 1/25/2022 | | | | | <0.005 | | | | |
| 1/26/2022 | | <0.005 | | | | | | | |
| 1/27/2022 | | | <0.005 | | | | | | |
| 6/6/2022 | | | | | | | | | |
| 9/8/2022 | <0.005 | | | | | | | | |
| 9/13/2022 | | | | <0.005 | | | | | |
| 9/14/2022 | | | | | | <0.005 | | <0.005 | |
| 9/15/2022 | | | <0.005 | | | | <0.005 | | |
| 9/16/2022 | | <0.005 | | | <0.005 | | | | |
| 9/19/2022 | | | | | | | | | 0.0038 (J) |
| 2/2/2023 | <0.005 | | <0.005 | | | | | | |
| 2/3/2023 | | <0.005 | | 0.0018 (J) | | | | | 0.005 (J) |
| 2/6/2023 | | | | | | <0.005 | | | |
| 2/7/2023 | | | | | <0.005 | | <0.005 | <0.005 | |
| 9/6/2023 | <0.005 | | | | | | | | |
| 9/7/2023 | | | | | | | | | |
| 9/8/2023 | | <0.005 | | | | | | | |
| 9/11/2023 | | | <0.005 | | <0.005 | | | | |
| 9/12/2023 | | | | | | <0.005 | | | 0.0052 |
| 9/13/2023 | | | | 0.0016 (J) | | | <0.005 | <0.005 | |

Time Series

Constituent: Selenium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-122D | B-56 | B-62 |
|------------|--------|--------|--------|
| 1/30/2019 | | | <0.005 |
| 9/11/2019 | | | <0.005 |
| 10/21/2019 | | | <0.005 |
| 8/13/2020 | | | <0.005 |
| 8/17/2020 | | 0.011 | |
| 9/24/2020 | | | <0.005 |
| 9/25/2020 | | | |
| 9/28/2020 | | 0.029 | |
| 12/9/2020 | | | |
| 12/17/2020 | | | |
| 1/11/2021 | | | |
| 1/12/2021 | | | |
| 3/3/2021 | | 0.013 | |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/8/2021 | | | |
| 3/12/2021 | | | <0.005 |
| 4/15/2021 | | | |
| 9/9/2021 | | | <0.005 |
| 9/10/2021 | | | |
| 9/13/2021 | | 0.011 | |
| 9/14/2021 | | | |
| 1/20/2022 | | | <0.005 |
| 1/21/2022 | | | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | | | |
| 1/27/2022 | | 0.0066 | |
| 6/6/2022 | <0.005 | | |
| 9/8/2022 | | | <0.005 |
| 9/13/2022 | | | |
| 9/14/2022 | | | |
| 9/15/2022 | | | |
| 9/16/2022 | | 0.01 | |
| 9/19/2022 | | | |
| 2/2/2023 | | | <0.005 |
| 2/3/2023 | | | |
| 2/6/2023 | <0.005 | | |
| 2/7/2023 | | 0.01 | |
| 9/6/2023 | | | |
| 9/7/2023 | <0.005 | | <0.005 |
| 9/8/2023 | | 0.0087 | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |
| 9/13/2023 | | | |

Time Series

Constituent: Selenium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|------------|--------|--------|------------|------------|------------|------------|--------|------------|------------|
| 3/28/2017 | | | | | | | | | |
| 5/11/2017 | | | | | | | | | |
| 5/15/2017 | | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 7/11/2017 | | | | | | | | | |
| 7/12/2017 | | | | | | | | | |
| 8/8/2017 | | | | | | | | | |
| 10/24/2017 | | | | | | | | | |
| 2/19/2018 | | <0.005 | | | | | | | |
| 2/27/2018 | | | | | | | | | |
| 3/8/2018 | | | | | | | | | |
| 7/12/2018 | | | | | | | | | |
| 11/6/2018 | | | | | | | | | |
| 11/7/2018 | | | | | | | | | |
| 1/28/2019 | <0.005 | | | | | | | | |
| 1/30/2019 | | <0.005 | | | | | | | |
| 8/27/2019 | | | | | | | | | |
| 8/28/2019 | | | | | | | | | |
| 9/11/2019 | <0.005 | | | | | | | | |
| 9/12/2019 | | <0.005 | | | | | | | |
| 9/18/2019 | | | <0.005 | | | | | | |
| 9/23/2019 | | | | <0.005 | | | | | |
| 10/15/2019 | | | | | | | | | |
| 10/16/2019 | | | | | | | | | |
| 10/21/2019 | | <0.005 | | 0.0016 (J) | 0.0082 (J) | | | | |
| 10/22/2019 | <0.005 | | | | | | | | |
| 10/24/2019 | | | <0.005 | | | | | | |
| 3/2/2020 | | | | | | | | | |
| 3/9/2020 | | | | | | | | | |
| 8/11/2020 | | | | | | | | | |
| 8/13/2020 | | | <0.005 | | | | | | |
| 8/14/2020 | | | | | 0.015 | | | | |
| 8/17/2020 | | | | <0.005 | | 0.0017 (J) | | | |
| 8/19/2020 | | | | | | | | 0.018 | |
| 9/22/2020 | | | | | | | | | |
| 9/24/2020 | | | <0.005 | | | | | | |
| 9/25/2020 | | | | | 0.019 | 0.0033 (J) | | | |
| 9/28/2020 | | | | 0.0021 (J) | | | | 0.036 | |
| 3/1/2021 | | | | | | | | | |
| 3/4/2021 | | | 0.0017 (J) | | 0.024 | | | | |
| 3/5/2021 | | | | | | 0.0033 (J) | | | |
| 3/9/2021 | | | | | | | | 0.0099 (J) | |
| 3/12/2021 | | | | | | | | | |
| 9/9/2021 | | | | | | | | | |
| 9/13/2021 | | | | | | 0.0021 (J) | | | |
| 9/14/2021 | <0.005 | <0.005 | <0.005 | <0.005 | | | | | |
| 9/15/2021 | | | | | | | 0.0067 | 0.0076 | 0.0024 (J) |
| 9/16/2021 | | | | | 0.025 | | | | |
| 1/18/2022 | | | | | | | | | |
| 1/20/2022 | <0.005 | | <0.005 | | | | | | |
| 1/21/2022 | | | | | 0.027 | | | | |
| 1/25/2022 | | <0.005 | | 0.002 (J) | | | | | |

Time Series

Constituent: Selenium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|-----------|--------|--------|--------|------------|-------|------------|------------|--------|------------|
| 1/26/2022 | | | | | | | 0.0039 (J) | 0.0063 | 0.0015 (J) |
| 1/27/2022 | | | | | | <0.005 | | | |
| 1/28/2022 | | | | | | | | | |
| 9/7/2022 | | | | | | | | | |
| 9/8/2022 | | | | | | | | | |
| 9/12/2022 | | | | | | | 0.012 | 0.013 | |
| 9/13/2022 | | | <0.005 | | 0.024 | | | | 0.0032 (J) |
| 9/14/2022 | <0.005 | | | | | | | | |
| 9/16/2022 | | <0.005 | | <0.005 | | 0.002 (J) | | | |
| 1/31/2023 | | | | | | | 0.0086 | 0.013 | |
| 2/1/2023 | | | | | | | | | 0.0036 (J) |
| 2/2/2023 | <0.005 | | | | | | | | |
| 2/3/2023 | | | | | 0.021 | | | | |
| 2/6/2023 | | | <0.005 | | | | | | |
| 2/7/2023 | | <0.005 | | 0.0025 (J) | | 0.0024 (J) | | | |
| 9/6/2023 | | | | | | | 0.0049 (J) | 0.0071 | 0.0031 (J) |
| 9/7/2023 | <0.005 | | | | | | | | |
| 9/11/2023 | | <0.005 | | 0.0018 (J) | | | | | |
| 9/12/2023 | | | <0.005 | | 0.02 | 0.0027 (J) | | | |

Time Series

Constituent: Selenium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|------------|------------|--------------|---------------|
| 3/28/2017 | | <0.005 | <0.005 |
| 5/11/2017 | | <0.005 | |
| 5/15/2017 | | | <0.005 |
| 6/15/2017 | | <0.005 | <0.005 |
| 7/11/2017 | | | <0.005 |
| 7/12/2017 | | <0.005 | |
| 8/8/2017 | | | <0.005 |
| 10/24/2017 | | <0.005 | <0.005 |
| 2/19/2018 | | | |
| 2/27/2018 | | | <0.005 |
| 3/8/2018 | | <0.005 | |
| 7/12/2018 | | <0.005 | |
| 11/6/2018 | | | <0.005 |
| 11/7/2018 | | <0.005 | |
| 1/28/2019 | | | |
| 1/30/2019 | | | |
| 8/27/2019 | | | <0.005 |
| 8/28/2019 | | <0.005 | |
| 9/11/2019 | | | |
| 9/12/2019 | | | |
| 9/18/2019 | | | |
| 9/23/2019 | | | |
| 10/15/2019 | | | <0.005 |
| 10/16/2019 | | <0.005 | |
| 10/21/2019 | | | |
| 10/22/2019 | | | |
| 10/24/2019 | | | |
| 3/2/2020 | | | <0.005 |
| 3/9/2020 | | <0.005 | |
| 8/11/2020 | | | <0.005 |
| 8/13/2020 | | <0.005 | |
| 8/14/2020 | | | |
| 8/17/2020 | | | |
| 8/19/2020 | | | |
| 9/22/2020 | | <0.005 | <0.005 |
| 9/24/2020 | | | |
| 9/25/2020 | | | |
| 9/28/2020 | | | |
| 3/1/2021 | | | <0.005 |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/9/2021 | | | |
| 3/12/2021 | | <0.005 | |
| 9/9/2021 | | <0.005 | <0.005 |
| 9/13/2021 | | | |
| 9/14/2021 | | | |
| 9/15/2021 | 0.0033 (J) | | |
| 9/16/2021 | | | |
| 1/18/2022 | | | <0.005 |
| 1/20/2022 | | | |
| 1/21/2022 | | | |
| 1/25/2022 | | | |

Time Series

Constituent: Selenium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|-----------|--------|--------------|---------------|
| 1/26/2022 | <0.005 | | |
| 1/27/2022 | | | |
| 1/28/2022 | | <0.005 | |
| 9/7/2022 | | | <0.005 |
| 9/8/2022 | | <0.005 | |
| 9/12/2022 | | | |
| 9/13/2022 | <0.005 | | |
| 9/14/2022 | | | |
| 9/16/2022 | | | |
| 1/31/2023 | <0.005 | | <0.005 |
| 2/1/2023 | | <0.005 | |
| 2/2/2023 | | | |
| 2/3/2023 | | | |
| 2/6/2023 | | | |
| 2/7/2023 | | | |
| 9/6/2023 | <0.005 | | <0.005 |
| 9/7/2023 | | <0.005 | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |

Time Series

Constituent: Selenium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWA-71 (bg) | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 |
|------------|--------------|------------|---------|------------|------------|------------|------------|------------|------------|
| 8/31/2016 | | 0.0366 | <0.005 | | | 0.0016 (J) | | | |
| 9/1/2016 | | | | 0.0017 (J) | | | | | 0.0093 (J) |
| 9/2/2016 | | | | | | | | | |
| 9/6/2016 | | | | | 0.0011 (J) | | <0.005 | | |
| 9/7/2016 | | | | | | | | 0.007 (J) | |
| 12/6/2016 | | 0.0026 (J) | <0.005 | | | <0.005 | | | |
| 12/7/2016 | | | | <0.005 | 0.0015 (J) | | <0.005 | | <0.01 |
| 12/8/2016 | | | | | | | | 0.0087 (J) | |
| 3/28/2017 | <0.005 | | | | | | | | |
| 3/29/2017 | | 0.0286 | <0.005 | 0.0017 (J) | | <0.005 | | | 0.0071 (J) |
| 3/30/2017 | | | | | 0.0015 (J) | | <0.005 | 0.0099 (J) | |
| 5/11/2017 | | | | | | | | | |
| 5/12/2017 | <0.005 | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 6/16/2017 | <0.005 | | | | | | | | |
| 7/11/2017 | <0.005 | | | | | | | | |
| 7/12/2017 | | 0.0257 | <0.005 | 0.0019 (J) | <0.01 | <0.005 | <0.005 | 0.0072 (J) | 0.0065 (J) |
| 10/24/2017 | <0.005 | 0.0281 | <0.005 | | | | | | |
| 10/25/2017 | | | | 0.0024 (J) | | <0.005 | <0.005 | 0.0078 (J) | 0.0087 (J) |
| 11/15/2017 | | | | | 0.0019 (J) | | | | |
| 2/27/2018 | <0.005 | 0.0667 | <0.005 | <0.005 | | <0.005 | | | |
| 2/28/2018 | | | | | <0.01 | | <0.005 | <0.01 | 0.0114 |
| 7/11/2018 | | | | <0.005 | | 0.002 (J) | <0.005 | 0.007 (J) | 0.0036 (J) |
| 11/6/2018 | <0.005 | 0.049 | <0.005 | | | | | | |
| 11/7/2018 | | | | <0.01 (J) | <0.01 (J) | <0.01 (J) | <0.01 (J) | <0.01 | <0.01 (J) |
| 8/27/2019 | <0.005 | 0.015 | <0.005 | <0.005 | | <0.005 | | 0.0073 (J) | |
| 8/28/2019 | | | | | 0.0039 (J) | | <0.005 | | 0.004 (J) |
| 8/29/2019 | | | | | | | | | |
| 9/17/2019 | | | | 0.0014 (J) | | | | | |
| 10/15/2019 | <0.005 | 0.071 | <0.005 | 0.0019 (J) | | | | | |
| 10/16/2019 | | | | | 0.0031 (J) | 0.0017 (J) | | | 0.006 (J) |
| 10/17/2019 | | | | | | | <0.005 | | |
| 10/18/2019 | | | | | | | | 0.0093 (J) | |
| 3/2/2020 | <0.005 | | <0.005 | <0.005 | | | | | |
| 3/3/2020 | | 0.021 | | | 0.0062 (J) | 0.0014 (J) | <0.005 | | 0.0066 (J) |
| 3/4/2020 | | | | | | | | 0.0074 (J) | |
| 8/11/2020 | <0.005 | 0.023 | <0.005 | 0.0019 (J) | | <0.005 | | | 0.0096 (J) |
| 8/12/2020 | | | | | 0.0038 (J) | | | | |
| 8/13/2020 | | | | | | | 0.0018 (J) | | |
| 8/14/2020 | | | | | | | | 0.0084 (J) | |
| 9/22/2020 | <0.005 | | <0.005 | <0.005 | | <0.005 | | | 0.0052 (J) |
| 9/23/2020 | | | | | 0.0053 (J) | | <0.005 | | |
| 9/24/2020 | | 0.074 | | | | | | 0.015 | |
| 3/1/2021 | <0.005 | | | | | | | | |
| 3/2/2021 | | | <0.005 | | 0.006 | <0.005 | <0.005 | | 0.0091 |
| 3/3/2021 | | | | <0.005 | | | | 0.0072 | |
| 3/4/2021 | | 0.05 | | | | | | | |
| 9/8/2021 | <0.005 | | | | | | | | |
| 9/9/2021 | | | <0.005 | <0.005 | 0.006 | 0.0017 (J) | <0.005 | | 0.0083 |
| 9/10/2021 | | 0.034 | | | | | | | |
| 9/13/2021 | | | | | | | | 0.0071 | |
| 1/18/2022 | <0.005 | | | | | | | | |

Time Series

Constituent: Selenium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWA-71 (bg) | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 |
|-----------|--------------|---------|---------|---------|------------|------------|---------|---------|------------|
| 1/20/2022 | | | | | | | | | |
| 1/21/2022 | | | | | | | | | |
| 1/24/2022 | | | | | | | <0.005 | 0.0064 | |
| 1/25/2022 | | | <0.005 | <0.005 | 0.006 | 0.0016 (J) | | | 0.0029 (J) |
| 1/26/2022 | | 0.015 | | | | | | | |
| 9/7/2022 | <0.005 | | | | | | | | |
| 9/13/2022 | | | | | | <0.005 | <0.005 | | |
| 9/14/2022 | | | | | | | | 0.0064 | 0.0073 |
| 9/15/2022 | | 0.02 | <0.005 | <0.005 | 0.004 (J) | | | | |
| 9/20/2022 | | | | | | | | | |
| 1/31/2023 | <0.005 | | | | | | | | |
| 2/1/2023 | | | | | 0.0036 (J) | 0.0014 (J) | | | |
| 2/2/2023 | | 0.015 | | | | | <0.005 | | |
| 2/6/2023 | | | <0.005 | <0.005 | | | | 0.0057 | 0.0042 (J) |
| 2/7/2023 | | | | | | | | | |
| 9/6/2023 | <0.005 | | | | | | | | |
| 9/8/2023 | | | <0.005 | | 0.0029 (J) | 0.0015 (J) | <0.005 | | 0.0045 (J) |
| 9/11/2023 | | 0.038 | | <0.005 | | | | | |
| 9/13/2023 | | | | | | | | 0.0065 | |

Time Series

Constituent: Selenium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|------------|------------|------------|---------|
| 8/31/2016 | | | |
| 9/1/2016 | | | |
| 9/2/2016 | | 0.0671 | <0.005 |
| 9/6/2016 | | | |
| 9/7/2016 | | | |
| 12/6/2016 | | | |
| 12/7/2016 | | 0.0056 (J) | |
| 12/8/2016 | | | <0.005 |
| 3/28/2017 | | | |
| 3/29/2017 | | 0.0521 | |
| 3/30/2017 | <0.005 | | <0.005 |
| 5/11/2017 | <0.005 | | |
| 5/12/2017 | | | |
| 6/15/2017 | <0.005 | | |
| 6/16/2017 | | | |
| 7/11/2017 | <0.005 | | |
| 7/12/2017 | | 0.0483 | <0.005 |
| 10/24/2017 | <0.005 | | |
| 10/25/2017 | | 0.0506 | <0.005 |
| 11/15/2017 | | | |
| 2/27/2018 | <0.005 | | |
| 2/28/2018 | | 0.0755 | <0.005 |
| 7/11/2018 | 0.0045 (J) | 0.022 | <0.005 |
| 11/6/2018 | <0.01 (J) | | |
| 11/7/2018 | | 0.044 | <0.005 |
| 8/27/2019 | 0.0069 (J) | | |
| 8/28/2019 | | | |
| 8/29/2019 | | 0.029 | <0.005 |
| 9/17/2019 | | | |
| 10/15/2019 | | | |
| 10/16/2019 | | | |
| 10/17/2019 | 0.0051 (J) | 0.071 | <0.005 |
| 10/18/2019 | | | |
| 3/2/2020 | | | |
| 3/3/2020 | 0.0047 (J) | | <0.005 |
| 3/4/2020 | | 0.071 | |
| 8/11/2020 | 0.0053 (J) | | |
| 8/12/2020 | | | |
| 8/13/2020 | | 0.091 | |
| 8/14/2020 | | | <0.005 |
| 9/22/2020 | | 0.023 | |
| 9/23/2020 | 0.0046 (J) | | |
| 9/24/2020 | | | <0.005 |
| 3/1/2021 | | | |
| 3/2/2021 | 0.0037 (J) | 0.078 | |
| 3/3/2021 | | | <0.005 |
| 3/4/2021 | | | |
| 9/8/2021 | | | |
| 9/9/2021 | 0.0031 (J) | | <0.005 |
| 9/10/2021 | | 0.031 | |
| 9/13/2021 | | | |
| 1/18/2022 | | | |

Time Series

Constituent: Selenium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|-----------|------------|---------|---------|
| 1/20/2022 | 0.0031 (J) | | <0.005 |
| 1/21/2022 | | 0.041 | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | | | |
| 9/7/2022 | | | |
| 9/13/2022 | | | |
| 9/14/2022 | | | |
| 9/15/2022 | | 0.062 | <0.005 |
| 9/20/2022 | 0.0018 (J) | | |
| 1/31/2023 | | | |
| 2/1/2023 | | | |
| 2/2/2023 | | | |
| 2/6/2023 | 0.0014 (J) | | |
| 2/7/2023 | | 0.057 | <0.005 |
| 9/6/2023 | | | |
| 9/8/2023 | | | |
| 9/11/2023 | | 0.14 | <0.005 |
| 9/13/2023 | <0.005 | | |

Time Series

Constituent: Selenium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-22 | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 | DGWC-48 | DGWC-5 | DGWC-8 | DGWC-9 |
|------------|------------|---------|------------|---------|------------|------------|------------|------------|------------|
| 8/30/2016 | | | | | | | | 0.0032 (J) | 0.0833 |
| 8/31/2016 | | | | | | | 0.0182 | | |
| 9/1/2016 | | | | | 0.0217 | 0.0084 (J) | | | |
| 9/2/2016 | <0.005 | | | | | | | | |
| 9/7/2016 | | | | <0.005 | | | | | |
| 12/6/2016 | | | | | | | 0.012 | <0.005 | 0.0065 (J) |
| 12/8/2016 | <0.005 | | | <0.005 | 0.017 | 0.0084 (J) | | | |
| 3/28/2017 | | | <0.005 | | | | 0.168 | | 0.0954 |
| 3/29/2017 | <0.005 | | | | | | | 0.0048 (J) | |
| 3/30/2017 | | <0.005 | | | | 0.0079 (J) | | | |
| 3/31/2017 | | | | <0.005 | 0.0133 | | | | |
| 5/12/2017 | | <0.005 | <0.005 | | | | | | |
| 6/15/2017 | | <0.005 | <0.005 | | | | | | |
| 7/11/2017 | | | <0.005 | | | | 0.0607 | 0.0031 (J) | 0.0561 |
| 7/12/2017 | | <0.005 | | | | | | | |
| 7/13/2017 | <0.005 | | | <0.005 | 0.0068 (J) | 0.0062 (J) | | | |
| 10/24/2017 | | | <0.005 | | | | | 0.0069 (J) | 0.0653 |
| 10/25/2017 | <0.005 | | | <0.005 | | | 0.034 | | |
| 10/26/2017 | | <0.005 | | | 0.0097 (J) | 0.0058 (J) | | | |
| 2/27/2018 | | | <0.005 | | | | 0.0348 | <0.005 | 0.13 |
| 2/28/2018 | <0.005 | | | <0.005 | | | | | |
| 3/1/2018 | | <0.005 | | | 0.0124 | | | | |
| 3/2/2018 | | | | | | <0.005 | | | |
| 7/11/2018 | | | | <0.005 | | | | | 0.045 |
| 7/12/2018 | 0.0017 (J) | <0.005 | | | 0.015 | 0.013 | | | |
| 11/6/2018 | | | <0.005 | | | | <0.01 (J) | <0.01 (J) | 0.12 |
| 11/7/2018 | <0.005 | | | <0.005 | <0.01 (J) | <0.01 (J) | | | |
| 11/8/2018 | | <0.005 | | | | | | | |
| 8/27/2019 | | | <0.005 | | | | 0.0031 (J) | | 0.067 |
| 8/28/2019 | | | | <0.005 | | | | <0.005 | |
| 8/29/2019 | <0.005 | <0.005 | | | 0.004 (J) | 0.0023 (J) | | | |
| 10/15/2019 | | | 0.0014 (J) | | | | | | |
| 10/16/2019 | | | | | | | 0.015 | 0.0016 (J) | |
| 10/17/2019 | | | | <0.005 | 0.0062 (J) | | | | 0.19 |
| 10/18/2019 | <0.005 | <0.005 | | | | 0.005 (J) | | | |
| 3/2/2020 | | | <0.005 | | | | 0.032 | | |
| 3/3/2020 | <0.005 | | | | | | | 0.0018 (J) | 0.046 |
| 3/4/2020 | | <0.005 | | <0.005 | 0.0065 (J) | 0.0061 (J) | | | |
| 8/11/2020 | | | | | | | | | 0.11 |
| 8/12/2020 | | | <0.005 | | 0.002 (J) | | 0.011 | <0.005 | |
| 8/13/2020 | | <0.005 | | <0.005 | | 0.0029 (J) | | | |
| 8/14/2020 | <0.005 | | | | | | | | |
| 9/22/2020 | | | <0.005 | <0.005 | | | 0.04 | | 0.23 |
| 9/23/2020 | | | | | <0.01 | 0.0016 (J) | | 0.0028 (J) | |
| 9/24/2020 | <0.005 | <0.005 | | | | | | | |
| 3/1/2021 | | | <0.005 | | | | | | |
| 3/2/2021 | | | | | | | 0.0081 | <0.005 | 0.07 |
| 3/3/2021 | <0.005 | <0.005 | | <0.005 | 0.0039 (J) | 0.0025 (J) | | | |
| 9/9/2021 | | <0.005 | | | | | | | |
| 9/10/2021 | <0.005 | | <0.005 | | 0.0035 (J) | 0.0022 (J) | 0.0099 | | 0.057 |
| 9/13/2021 | | | | <0.005 | | | | <0.005 | |
| 1/20/2022 | <0.005 | <0.005 | | <0.005 | | | | | |

Time Series

Constituent: Selenium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-22 | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 | DGWC-48 | DGWC-5 | DGWC-8 | DGWC-9 |
|-----------|---------|---------|--------|---------|------------|------------|------------|--------|--------|
| 1/21/2022 | | | | | 0.0016 (J) | | | | |
| 1/24/2022 | | | <0.005 | | | <0.005 | 0.0048 (J) | | |
| 1/25/2022 | | | | | | | | <0.005 | |
| 1/26/2022 | | | | | | | | | 0.025 |
| 9/13/2022 | | | | <0.005 | 0.0031 (J) | 0.0019 (J) | | | |
| 9/14/2022 | | | | | | | 0.019 | | |
| 9/15/2022 | | | | | | | | <0.005 | |
| 9/16/2022 | <0.005 | | | | | | | | |
| 9/19/2022 | | | <0.005 | | | | | | 0.048 |
| 9/20/2022 | | <0.005 | | | | | | | |
| 2/1/2023 | | | | <0.005 | | | | | |
| 2/3/2023 | | | <0.005 | | 0.0015 (J) | <0.005 | | | 0.031 |
| 2/6/2023 | <0.005 | <0.005 | | | | | | | |
| 2/7/2023 | | | | | | | 0.0082 | <0.005 | |
| 9/11/2023 | <0.005 | <0.005 | | | | | | | |
| 9/12/2023 | | | | | 0.0022 (J) | | | <0.005 | |
| 9/13/2023 | | | <0.005 | <0.005 | | <0.005 | 0.002 (J) | | |
| 9/14/2023 | | | | | | | | | |

Time Series

Constituent: Selenium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

8/30/2016
8/31/2016
9/1/2016
9/2/2016
9/7/2016
12/6/2016
12/8/2016
3/28/2017
3/29/2017
3/30/2017
3/31/2017
5/12/2017
6/15/2017
7/11/2017
7/12/2017
7/13/2017
10/24/2017
10/25/2017
10/26/2017
2/27/2018
2/28/2018
3/1/2018
3/2/2018
7/11/2018
7/12/2018
11/6/2018
11/7/2018
11/8/2018
8/27/2019
8/28/2019
8/29/2019
10/15/2019
10/16/2019
10/17/2019
10/18/2019
3/2/2020
3/3/2020
3/4/2020
8/11/2020
8/12/2020
8/13/2020
8/14/2020
9/22/2020
9/23/2020
9/24/2020
3/1/2021
3/2/2021
3/3/2021
9/9/2021
9/10/2021
9/13/2021
1/20/2022

Time Series

Constituent: Selenium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

| | |
|-----------|--------|
| 1/21/2022 | |
| 1/24/2022 | |
| 1/25/2022 | |
| 1/26/2022 | |
| 9/13/2022 | |
| 9/14/2022 | |
| 9/15/2022 | |
| 9/16/2022 | |
| 9/19/2022 | |
| 9/20/2022 | |
| 2/1/2023 | |
| 2/3/2023 | |
| 2/6/2023 | |
| 2/7/2023 | |
| 9/11/2023 | |
| 9/12/2023 | |
| 9/13/2023 | |
| 9/14/2023 | <0.005 |

Time Series

Constituent: Sulfate (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-100 | B-101D | B-102D | B-104D | B-106D | B-107D | B-108D | B-111D | B-120D |
|------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1/30/2019 | | | | | | | | | |
| 10/21/2019 | | | | | | | | | |
| 9/24/2020 | | | | | | | | | |
| 9/25/2020 | 385 | | | | | | | | |
| 9/28/2020 | | | | | | | | | |
| 12/9/2020 | | | | 415 | | 273 | 277 | 197 | |
| 12/17/2020 | | | 249 | | 179 | | | | |
| 1/11/2021 | | | 249 | | | | | | |
| 1/12/2021 | | 207 | | 471 | | | | 222 | |
| 3/3/2021 | | | | | | | | | |
| 3/4/2021 | | | 256 | 474 | 170 | 309 | 309 | | |
| 3/5/2021 | | 236 | | | | | | | |
| 3/8/2021 | 388 | | | | | | | 270 | |
| 3/12/2021 | | | | | | | | | |
| 4/15/2021 | | | | | | | | | 556 |
| 9/9/2021 | | | | | | | | | |
| 9/10/2021 | | | 271 | | | | | | |
| 9/13/2021 | 351 | 174 | | | 147 | 275 | | | |
| 9/14/2021 | | | | 456 | | | 299 | 243 | 552 |
| 1/20/2022 | | | | | | | | | 475 |
| 1/21/2022 | 344 | | | | | | | | |
| 1/24/2022 | | | | 423 | | 276 | 277 | 238 | |
| 1/25/2022 | | | | | 132 | | | | |
| 1/26/2022 | | 144 | | | | | | | |
| 1/27/2022 | | | 231 | | | | | | |
| 6/6/2022 | | | | | | | | | |
| 9/8/2022 | 399 | | | | | | | | |
| 9/13/2022 | | | | 505 | | | | | |
| 9/14/2022 | | | | | | 327 | | 228 | |
| 9/15/2022 | | | 258 | | | | 318 | | |
| 9/16/2022 | | 223 | | | 137 | | | | |
| 9/19/2022 | | | | | | | | | 489 |
| 2/2/2023 | 356 | | 252 | | | | | | |
| 2/3/2023 | | 159 | | 495 | | | | | 464 |
| 2/6/2023 | | | | | | 299 | | | |
| 2/7/2023 | | | | | 127 | | 313 | 229 | |
| 9/6/2023 | 322 | | | | | | | | |
| 9/7/2023 | | | | | | | | | |
| 9/8/2023 | | 353 | | | | | | | |
| 9/11/2023 | | | 233 | | 118 | | | | |
| 9/12/2023 | | | | | | 308 | | | 420 |
| 9/13/2023 | | | | 472 | | | 296 | 233 | |

Time Series

Constituent: Sulfate (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-122D | B-56 | B-62 |
|------------|--------|------|------|
| 1/30/2019 | | | 74.7 |
| 10/21/2019 | | | 55.3 |
| 9/24/2020 | | | 50.6 |
| 9/25/2020 | | | |
| 9/28/2020 | | 211 | |
| 12/9/2020 | | | |
| 12/17/2020 | | | |
| 1/11/2021 | | | |
| 1/12/2021 | | | |
| 3/3/2021 | | 225 | |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/8/2021 | | | |
| 3/12/2021 | | | 46.5 |
| 4/15/2021 | | | |
| 9/9/2021 | | | 49.2 |
| 9/10/2021 | | | |
| 9/13/2021 | | 189 | |
| 9/14/2021 | | | |
| 1/20/2022 | | | 50.3 |
| 1/21/2022 | | | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | | | |
| 1/27/2022 | | 185 | |
| 6/6/2022 | 97.7 | | |
| 9/8/2022 | | | 45.8 |
| 9/13/2022 | | | |
| 9/14/2022 | | | |
| 9/15/2022 | | | |
| 9/16/2022 | | 234 | |
| 9/19/2022 | | | |
| 2/2/2023 | | | 52.1 |
| 2/3/2023 | | | |
| 2/6/2023 | 108 | | |
| 2/7/2023 | | 247 | |
| 9/6/2023 | | | |
| 9/7/2023 | 110 | | 49.3 |
| 9/8/2023 | | 233 | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |
| 9/13/2023 | | | |

Time Series

Constituent: Sulfate (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|------------|------|------|------|------|------|------|------|------|------|
| 3/28/2017 | | | | | | | | | |
| 5/11/2017 | | | | | | | | | |
| 5/15/2017 | | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 7/11/2017 | | | | | | | | | |
| 7/12/2017 | | | | | | | | | |
| 8/8/2017 | | | | | | | | | |
| 10/24/2017 | | | | | | | | | |
| 11/15/2017 | | | | | | | | | |
| 2/27/2018 | | | | | | | | | |
| 3/8/2018 | | | | | | | | | |
| 7/12/2018 | | | | | | | | | |
| 11/6/2018 | | | | | | | | | |
| 11/7/2018 | | | | | | | | | |
| 1/28/2019 | 87.9 | | | | | | | | |
| 1/30/2019 | | 292 | | | | | | | |
| 3/12/2019 | | | | | | | | | |
| 3/13/2019 | | | | | | | | | |
| 10/15/2019 | | | | | | | | | |
| 10/16/2019 | | | | | | | | | |
| 10/21/2019 | | 302 | | 334 | 103 | | | | |
| 10/22/2019 | 56.5 | | | | | | | | |
| 10/24/2019 | | | 8.6 | | | | | | |
| 11/22/2019 | | | | | | 619 | | | |
| 12/18/2019 | | | | | | | 481 | | |
| 12/19/2019 | | | | | | | | 533 | |
| 2/17/2020 | | | | | | | | | 242 |
| 3/2/2020 | | | | | | | | | |
| 3/9/2020 | | | | | | | | | |
| 9/22/2020 | | | | | | | | | |
| 9/24/2020 | | | 2.9 | | | | | | |
| 9/25/2020 | | | | | 107 | 344 | | | |
| 9/28/2020 | | | | 287 | | | | 419 | |
| 3/1/2021 | | | | | | | | | |
| 3/4/2021 | | | 4.9 | | 113 | | | | |
| 3/5/2021 | | | | | | 497 | | | |
| 3/9/2021 | | | | | | | | 488 | |
| 3/12/2021 | | | | | | | | | |
| 9/9/2021 | | | | | | | | | |
| 9/13/2021 | | | | | | 321 | | | |
| 9/14/2021 | 73.2 | 268 | 2.5 | 326 | | | | | |
| 9/15/2021 | | | | | | | 384 | 478 | 551 |
| 9/16/2021 | | | | | 106 | | | | |
| 1/18/2022 | | | | | | | | | |
| 1/20/2022 | 49.4 | | <1 | | | | | | |
| 1/21/2022 | | | | | 106 | | | | |
| 1/25/2022 | | 240 | | 363 | | | | | |
| 1/26/2022 | | | | | | | 305 | 477 | 531 |
| 1/27/2022 | | | | | | 371 | | | |
| 1/28/2022 | | | | | | | | | |
| 9/7/2022 | | | | | | | | | |
| 9/8/2022 | | | | | | | | | |

Time Series

Constituent: Sulfate (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|-----------|------|------|------|------|------|------|------|------|------|
| 9/12/2022 | | | | | | | 394 | 508 | |
| 9/13/2022 | | | 10 | | 109 | | | | 677 |
| 9/14/2022 | 93.3 | | | | | | | | |
| 9/16/2022 | | 285 | | 404 | | 433 | | | |
| 1/31/2023 | | | | | | | 393 | 536 | |
| 2/1/2023 | | | | | | | | | 648 |
| 2/2/2023 | 50.1 | | | | | | | | |
| 2/3/2023 | | | | | 106 | | | | |
| 2/6/2023 | | | 1.8 | | | | | | |
| 2/7/2023 | | 276 | | 402 | | 435 | | | |
| 9/6/2023 | | | | | | | 531 | 555 | 639 |
| 9/7/2023 | 87.1 | | | | | | | | |
| 9/11/2023 | | 260 | | 373 | | | | | |
| 9/12/2023 | | | <1 | | 95.7 | 449 | | | |

Time Series

Constituent: Sulfate (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|------------|------|--------------|---------------|
| 3/28/2017 | | 49 | 2.7 |
| 5/11/2017 | | 21 | |
| 5/15/2017 | | | 1 |
| 6/15/2017 | | 16 | 0.86 (J) |
| 7/11/2017 | | | 1.4 |
| 7/12/2017 | | 10 | |
| 8/8/2017 | | | 1.5 |
| 10/24/2017 | | 15 | 1.4 |
| 11/15/2017 | | 3.8 | |
| 2/27/2018 | | | 0.54 (J) |
| 3/8/2018 | | 9.7 | |
| 7/12/2018 | | 8 | |
| 11/6/2018 | | | <1 (J) |
| 11/7/2018 | | 12.8 | |
| 1/28/2019 | | | |
| 1/30/2019 | | | |
| 3/12/2019 | | | 0.35 (J) |
| 3/13/2019 | | 23.7 | |
| 10/15/2019 | | | 0.16 (J) |
| 10/16/2019 | | 15.1 | |
| 10/21/2019 | | | |
| 10/22/2019 | | | |
| 10/24/2019 | | | |
| 11/22/2019 | | | |
| 12/18/2019 | | | |
| 12/19/2019 | | | |
| 2/17/2020 | 150 | | |
| 3/2/2020 | | | <1 |
| 3/9/2020 | | 9.5 | |
| 9/22/2020 | | 13.5 | <1 |
| 9/24/2020 | | | |
| 9/25/2020 | | | |
| 9/28/2020 | | | |
| 3/1/2021 | | | <1 |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/9/2021 | | | |
| 3/12/2021 | | 8.8 | |
| 9/9/2021 | | 11.9 | <1 |
| 9/13/2021 | | | |
| 9/14/2021 | | | |
| 9/15/2021 | 325 | | |
| 9/16/2021 | | | |
| 1/18/2022 | | | <1 |
| 1/20/2022 | | | |
| 1/21/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | 18.4 | | |
| 1/27/2022 | | | |
| 1/28/2022 | | 13.1 | |
| 9/7/2022 | | | <1 |
| 9/8/2022 | | 12 | |

Time Series

Constituent: Sulfate (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|-----------|------|--------------|---------------|
| 9/12/2022 | | | |
| 9/13/2022 | 92.1 | | |
| 9/14/2022 | | | |
| 9/16/2022 | | | |
| 1/31/2023 | 8.7 | | <1 |
| 2/1/2023 | | 13.3 | |
| 2/2/2023 | | | |
| 2/3/2023 | | | |
| 2/6/2023 | | | |
| 2/7/2023 | | | |
| 9/6/2023 | 53.9 | | <1 |
| 9/7/2023 | | 15.4 | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |

Time Series

Constituent: Sulfate (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWA-71 (bg) | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 |
|------------|--------------|---------|---------|---------|---------|---------|---------|---------|---------|
| 8/31/2016 | | 400 | 200 | | | 44 | | | |
| 9/1/2016 | | | | 390 | | | | | 240 |
| 9/2/2016 | | | | | | | | | |
| 9/6/2016 | | | | | 170 | | 180 | | |
| 9/7/2016 | | | | | | | | 230 | |
| 12/6/2016 | | 190 | 190 | | | 45 | | | |
| 12/7/2016 | | | | 350 | 160 | | 180 | | 250 |
| 12/8/2016 | | | | | | | | 240 | |
| 3/28/2017 | 17 | | | | | | | | |
| 3/29/2017 | | 360 | 200 | 150 | | 81 (O) | | | 250 |
| 3/30/2017 | | | | | 180 | | 210 | 260 | |
| 5/11/2017 | | | | | | | | | |
| 5/12/2017 | 17 | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 6/16/2017 | 11 | | | | | | | | |
| 7/11/2017 | 11 | | | | | | | | |
| 7/12/2017 | | 390 | 210 | 350 | 170 | 44 | 170 | 230 | 250 |
| 10/24/2017 | 9.6 | 410 | 210 | | | | | | |
| 10/25/2017 | | | | 400 | | 42 | 180 | 240 | 270 |
| 11/15/2017 | 7.8 | 390 | | | 180 | | | | |
| 2/27/2018 | 7.4 | 335 | 220 | 356 | | 41 | | | |
| 2/28/2018 | | | | | 43.5 | | 168 | 203 | 244 |
| 7/11/2018 | | | | 344 | | 40.6 | 154 | 234 | 249 |
| 11/6/2018 | 7.3 | 356 | 302 | | | | | | |
| 11/7/2018 | | | | 298 | 162 | 41.3 | 168 | 248 | 266 |
| 3/12/2019 | 7 | 297 | 275 | 284 | | | | | |
| 3/13/2019 | | | | | 179 | 41.2 | | 268 | 299 |
| 3/14/2019 | | | | | | | 195 | | |
| 10/15/2019 | 7.4 | 263 | 273 | 270 | | | | | |
| 10/16/2019 | | | | | 167 | 42.1 | | | 323 |
| 10/17/2019 | | | | | | | 146 | | |
| 10/18/2019 | | | | | | | | 222 | |
| 3/2/2020 | 8.5 | | 264 | 181 | | | | | |
| 3/3/2020 | | 213 | | | 157 | 45.5 | 148 | | 292 |
| 3/4/2020 | | | | | | | | 222 | |
| 9/22/2020 | 6.5 | | 267 | 183 | | 40.2 | | | 310 |
| 9/23/2020 | | | | | 134 | | 146 | | |
| 9/24/2020 | | 204 | | | | | | 259 | |
| 3/1/2021 | 5.2 | | | | | | | | |
| 3/2/2021 | | | 250 | | 131 | 42.6 | 148 | | 324 |
| 3/3/2021 | | | | 203 | | | | 237 | |
| 3/4/2021 | | 240 | | | | | | | |
| 9/8/2021 | 6.1 | | | | | | | | |
| 9/9/2021 | | | 247 | 126 | 127 | 42.3 | 139 | | 315 |
| 9/10/2021 | | 271 | | | | | | | |
| 9/13/2021 | | | | | | | | 222 | |
| 1/18/2022 | 6.3 | | | | | | | | |
| 1/20/2022 | | | | | | | | | |
| 1/21/2022 | | | | | | | | | |
| 1/24/2022 | | | | | | | 127 | 225 | |
| 1/25/2022 | | | 250 | 111 | 116 | 44.4 | | | 288 |
| 1/26/2022 | | 241 | | | | | | | |

Time Series

Constituent: Sulfate (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|------------|--------|---------|---------|
| 8/31/2016 | | | |
| 9/1/2016 | | | |
| 9/2/2016 | | 580 | 300 |
| 9/6/2016 | | | |
| 9/7/2016 | | | |
| 12/6/2016 | | | |
| 12/7/2016 | | 650 | |
| 12/8/2016 | | | 280 |
| 3/28/2017 | | | |
| 3/29/2017 | | 640 | |
| 3/30/2017 | 360 | | 270 |
| 5/11/2017 | 340 | | |
| 5/12/2017 | | | |
| 6/15/2017 | 300 | | |
| 6/16/2017 | | | |
| 7/11/2017 | 330 | | |
| 7/12/2017 | | 630 | 290 |
| 10/24/2017 | 260 | | |
| 10/25/2017 | | 610 | 290 |
| 11/15/2017 | | | |
| 2/27/2018 | 189 | | |
| 2/28/2018 | | 584 | 267 |
| 7/11/2018 | 162 | 501 | 277 |
| 11/6/2018 | 190 | | |
| 11/7/2018 | | 554 | 286 |
| 3/12/2019 | 159 | | |
| 3/13/2019 | | 539 | 312 |
| 3/14/2019 | | | |
| 10/15/2019 | | | |
| 10/16/2019 | | | |
| 10/17/2019 | 134 | 426 | 255 |
| 10/18/2019 | | | |
| 3/2/2020 | | | |
| 3/3/2020 | 118 | | 269 |
| 3/4/2020 | | 434 | |
| 9/22/2020 | | 408 | |
| 9/23/2020 | 122 | | |
| 9/24/2020 | | | 269 |
| 3/1/2021 | | | |
| 3/2/2021 | 112 | 458 | |
| 3/3/2021 | | | 264 |
| 3/4/2021 | | | |
| 9/8/2021 | | | |
| 9/9/2021 | 110 | | 238 |
| 9/10/2021 | | 399 | |
| 9/13/2021 | | | |
| 1/18/2022 | | | |
| 1/20/2022 | 101 | | 223 |
| 1/21/2022 | | 406 | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | | | |

Time Series

Constituent: Sulfate (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|-----------|--------|---------|---------|
| 9/7/2022 | | | |
| 9/13/2022 | | | |
| 9/14/2022 | | | |
| 9/15/2022 | | 462 | 268 |
| 9/20/2022 | 98.4 | | |
| 1/31/2023 | | | |
| 2/1/2023 | | | |
| 2/2/2023 | | | |
| 2/6/2023 | 96.4 | | |
| 2/7/2023 | | 517 | 285 |
| 9/6/2023 | | | |
| 9/8/2023 | | | |
| 9/11/2023 | | 552 | 268 |
| 9/13/2023 | 95.5 | | |

Time Series

Constituent: Sulfate (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

8/30/2016
8/31/2016
9/1/2016
9/2/2016
9/7/2016
12/6/2016
12/8/2016
3/28/2017
3/29/2017
3/30/2017
3/31/2017
5/12/2017
6/15/2017
7/11/2017
7/12/2017
7/13/2017
10/24/2017
10/25/2017
10/26/2017
11/15/2017
2/27/2018
2/28/2018
3/1/2018
3/2/2018
7/11/2018
7/12/2018
11/6/2018
11/7/2018
11/8/2018
3/12/2019
3/14/2019
10/15/2019
10/16/2019
10/17/2019
10/18/2019
3/2/2020
3/3/2020
3/4/2020
9/22/2020
9/23/2020
9/24/2020
3/1/2021
3/2/2021
3/3/2021
9/9/2021
9/10/2021
9/13/2021
1/20/2022
1/21/2022
1/24/2022
1/25/2022
1/26/2022

Time Series

Constituent: Sulfate (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

| | |
|-----------|-----|
| 9/13/2022 | |
| 9/14/2022 | |
| 9/15/2022 | |
| 9/16/2022 | |
| 9/19/2022 | |
| 9/20/2022 | |
| 2/1/2023 | |
| 2/3/2023 | |
| 2/6/2023 | |
| 2/7/2023 | |
| 3/21/2023 | 436 |
| 4/10/2023 | 507 |
| 9/11/2023 | |
| 9/12/2023 | |
| 9/13/2023 | |
| 9/14/2023 | 465 |

Time Series

Constituent: Thallium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-100 | B-101D | B-102D | B-104D | B-106D | B-107D | B-108D | B-111D | B-120D |
|------------|--------|--------|--------|-------------|--------|--------|--------|--------|--------|
| 1/30/2019 | | | | | | | | | |
| 9/11/2019 | | | | | | | | | |
| 10/21/2019 | | | | | | | | | |
| 8/13/2020 | | | | | | | | | |
| 8/17/2020 | <0.001 | | | | | | | | |
| 9/24/2020 | | | | | | | | | |
| 9/25/2020 | <0.001 | | | | | | | | |
| 9/28/2020 | | | | | | | | | |
| 12/9/2020 | | | | <0.001 | | <0.001 | <0.001 | <0.001 | |
| 12/17/2020 | | | <0.001 | | <0.001 | | | | |
| 1/11/2021 | | | <0.001 | | | | | | |
| 1/12/2021 | | <0.001 | | <0.001 | | | | <0.001 | |
| 3/3/2021 | | | | | | | | | |
| 3/4/2021 | | | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | | |
| 3/5/2021 | | <0.001 | | | | | | <0.001 | |
| 3/8/2021 | <0.001 | | | | | | | | |
| 3/12/2021 | | | | | | | | | |
| 4/15/2021 | | | | | | | | | <0.001 |
| 9/9/2021 | | | | | | | | | |
| 9/10/2021 | | | <0.001 | | | | | | |
| 9/13/2021 | <0.001 | <0.001 | | | <0.001 | <0.001 | | | |
| 9/14/2021 | | | | <0.001 | | | <0.001 | <0.001 | <0.001 |
| 1/20/2022 | | | | | | | | | <0.001 |
| 1/21/2022 | <0.001 | | | | | | | | |
| 1/24/2022 | | | | <0.001 | | <0.001 | <0.001 | <0.001 | |
| 1/25/2022 | | | | | <0.001 | | | | |
| 1/26/2022 | | <0.001 | | | | | | | |
| 1/27/2022 | | | <0.001 | | | | | | |
| 6/6/2022 | | | | | | | | | |
| 9/8/2022 | <0.001 | | | | | | | | |
| 9/13/2022 | | | | <0.001 | | | | | |
| 9/14/2022 | | | | | | <0.001 | | <0.001 | |
| 9/15/2022 | | | <0.001 | | | | <0.001 | | |
| 9/16/2022 | | <0.001 | | | <0.001 | | | | |
| 9/19/2022 | | | | | | | | | <0.001 |
| 2/2/2023 | <0.001 | | <0.001 | | | | | | |
| 2/3/2023 | | <0.001 | | <0.001 | | | | | <0.001 |
| 2/6/2023 | | | | | | <0.001 | | | |
| 2/7/2023 | | | | | <0.001 | | <0.001 | <0.001 | |
| 9/6/2023 | <0.001 | | | | | | | | |
| 9/7/2023 | | | | | | | | | |
| 9/8/2023 | | <0.001 | | | | | | | |
| 9/11/2023 | | | <0.001 | | <0.001 | | | | |
| 9/12/2023 | | | | | | <0.001 | | | <0.001 |
| 9/13/2023 | | | | 0.00028 (J) | | | <0.001 | <0.001 | |

Time Series

Constituent: Thallium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-122D | B-56 | B-62 |
|------------|--------|-------------|--------|
| 1/30/2019 | | | <0.001 |
| 9/11/2019 | | | <0.001 |
| 10/21/2019 | | | <0.001 |
| 8/13/2020 | | | <0.001 |
| 8/17/2020 | | 0.00016 (J) | |
| 9/24/2020 | | | <0.001 |
| 9/25/2020 | | | |
| 9/28/2020 | | 0.00023 (J) | |
| 12/9/2020 | | | |
| 12/17/2020 | | | |
| 1/11/2021 | | | |
| 1/12/2021 | | | |
| 3/3/2021 | | 0.00026 (J) | |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/8/2021 | | | |
| 3/12/2021 | | | <0.001 |
| 4/15/2021 | | | |
| 9/9/2021 | | | <0.001 |
| 9/10/2021 | | | |
| 9/13/2021 | | 0.00024 (J) | |
| 9/14/2021 | | | |
| 1/20/2022 | | | <0.001 |
| 1/21/2022 | | | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | | | |
| 1/27/2022 | | 0.00032 (J) | |
| 6/6/2022 | <0.001 | | |
| 9/8/2022 | | | <0.001 |
| 9/13/2022 | | | |
| 9/14/2022 | | | |
| 9/15/2022 | | | |
| 9/16/2022 | | 0.00024 (J) | |
| 9/19/2022 | | | |
| 2/2/2023 | | | <0.001 |
| 2/3/2023 | | | |
| 2/6/2023 | <0.001 | | |
| 2/7/2023 | | 0.00028 (J) | |
| 9/6/2023 | | | |
| 9/7/2023 | <0.001 | | <0.001 |
| 9/8/2023 | | 0.00021 (J) | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |
| 9/13/2023 | | | |

Time Series

Constituent: Thallium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|------------|--------|--------|--------|-------------|-------------|------------|--------|--------|--------|
| 3/28/2017 | | | | | | | | | |
| 5/11/2017 | | | | | | | | | |
| 5/15/2017 | | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 7/11/2017 | | | | | | | | | |
| 7/12/2017 | | | | | | | | | |
| 8/8/2017 | | | | | | | | | |
| 10/24/2017 | | | | | | | | | |
| 2/27/2018 | | | | | | | | | |
| 3/8/2018 | | | | | | | | | |
| 7/12/2018 | | | | | | | | | |
| 11/6/2018 | | | | | | | | | |
| 11/7/2018 | | | | | | | | | |
| 1/28/2019 | <0.001 | | | | | | | | |
| 1/30/2019 | | <0.001 | | | | | | | |
| 8/27/2019 | | | | | | | | | |
| 8/28/2019 | | | | | | | | | |
| 9/11/2019 | <0.001 | | | | | | | | |
| 9/12/2019 | | <0.001 | | | | | | | |
| 9/18/2019 | | | <0.001 | | | | | | |
| 9/23/2019 | | | | 9.9E-05 (J) | | | | | |
| 10/15/2019 | | | | | | | | | |
| 10/16/2019 | | | | | | | | | |
| 10/21/2019 | | <0.001 | | 0.00011 (J) | 7.2E-05 (J) | | | | |
| 10/22/2019 | <0.001 | | | | | | | | |
| 10/24/2019 | | | <0.001 | | | | | | |
| 3/2/2020 | | | | | | | | | |
| 3/9/2020 | | | | | | | | | |
| 8/11/2020 | | | | | | | | | |
| 8/13/2020 | | | <0.001 | | | | | | |
| 8/14/2020 | | | | | <0.001 | | | | |
| 8/17/2020 | | | | <0.001 | | <0.001 | | | |
| 8/19/2020 | | | | | | | | <0.001 | |
| 9/22/2020 | | | | | | | | | |
| 9/24/2020 | | | <0.001 | | | | | | |
| 9/25/2020 | | | | | <0.001 | <0.001 | | | |
| 9/28/2020 | | | | <0.001 | | | | <0.001 | |
| 3/1/2021 | | | | | | | | | |
| 3/4/2021 | | | <0.001 | | <0.001 | | | | |
| 3/5/2021 | | | | | | 0.0002 (J) | | | |
| 3/9/2021 | | | | | | | | <0.001 | |
| 3/12/2021 | | | | | | | | | |
| 9/9/2021 | | | | | | | | | |
| 9/13/2021 | | | | | | <0.001 | | | |
| 9/14/2021 | <0.001 | <0.001 | <0.001 | <0.001 | | | | | |
| 9/15/2021 | | | | | | | <0.001 | <0.001 | <0.001 |
| 9/16/2021 | | | | | <0.001 | | | | |
| 1/18/2022 | | | | | | | | | |
| 1/20/2022 | <0.001 | | <0.001 | | | | | | |
| 1/21/2022 | | | | | <0.001 | | | | |
| 1/25/2022 | | <0.001 | | <0.001 | | | | | |
| 1/26/2022 | | | | | | | <0.001 | <0.001 | <0.001 |

Time Series

Constituent: Thallium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|-----------|--------|-------------|--------|--------|--------|--------|-------------|--------|--------|
| 1/27/2022 | | | | | | <0.001 | | | |
| 1/28/2022 | | | | | | | | | |
| 9/7/2022 | | | | | | | | | |
| 9/8/2022 | | | | | | | | | |
| 9/12/2022 | | | | | | | 0.0002 (J) | <0.001 | |
| 9/13/2022 | | | <0.001 | | <0.001 | | | | <0.001 |
| 9/14/2022 | <0.001 | | | | | | | | |
| 9/16/2022 | | <0.001 | | <0.001 | | <0.001 | | | |
| 1/31/2023 | | | | | | | 0.00021 (J) | <0.001 | |
| 2/1/2023 | | | | | | | | | <0.001 |
| 2/2/2023 | <0.001 | | | | | | | | |
| 2/3/2023 | | | | | <0.001 | | | | |
| 2/6/2023 | | | <0.001 | | | | | | |
| 2/7/2023 | | <0.001 | | <0.001 | | <0.001 | | | |
| 9/6/2023 | | | | | | | <0.001 | <0.001 | <0.001 |
| 9/7/2023 | <0.001 | | | | | | | | |
| 9/11/2023 | | 0.00021 (J) | | <0.001 | | | | | |
| 9/12/2023 | | | <0.001 | | <0.001 | <0.001 | | | |

Time Series

Constituent: Thallium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|------------|--------|--------------|---------------|
| 3/28/2017 | | <0.001 | <0.001 |
| 5/11/2017 | | <0.001 | |
| 5/15/2017 | | | <0.001 |
| 6/15/2017 | | <0.001 | <0.001 |
| 7/11/2017 | | | <0.001 |
| 7/12/2017 | | <0.001 | |
| 8/8/2017 | | | <0.001 |
| 10/24/2017 | | <0.001 | <0.001 |
| 2/27/2018 | | | <0.001 |
| 3/8/2018 | | <0.001 | |
| 7/12/2018 | | <0.001 | |
| 11/6/2018 | | | <0.001 |
| 11/7/2018 | | <0.001 | |
| 1/28/2019 | | | |
| 1/30/2019 | | | |
| 8/27/2019 | | | <0.001 |
| 8/28/2019 | | <0.001 | |
| 9/11/2019 | | | |
| 9/12/2019 | | | |
| 9/18/2019 | | | |
| 9/23/2019 | | | |
| 10/15/2019 | | | <0.001 |
| 10/16/2019 | | <0.001 | |
| 10/21/2019 | | | |
| 10/22/2019 | | | |
| 10/24/2019 | | | |
| 3/2/2020 | | | 7.8E-05 (J) |
| 3/9/2020 | | <0.001 | |
| 8/11/2020 | | | <0.001 |
| 8/13/2020 | | <0.001 | |
| 8/14/2020 | | | |
| 8/17/2020 | | | |
| 8/19/2020 | | | |
| 9/22/2020 | | <0.001 | <0.001 |
| 9/24/2020 | | | |
| 9/25/2020 | | | |
| 9/28/2020 | | | |
| 3/1/2021 | | | <0.001 |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/9/2021 | | | |
| 3/12/2021 | | <0.001 | |
| 9/9/2021 | | <0.001 | <0.001 |
| 9/13/2021 | | | |
| 9/14/2021 | | | |
| 9/15/2021 | <0.001 | | |
| 9/16/2021 | | | |
| 1/18/2022 | | | <0.001 |
| 1/20/2022 | | | |
| 1/21/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | <0.001 | | |

Time Series

Constituent: Thallium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|-----------|--------|--------------|---------------|
| 1/27/2022 | | | |
| 1/28/2022 | | <0.001 | |
| 9/7/2022 | | | <0.001 |
| 9/8/2022 | | <0.001 | |
| 9/12/2022 | | | |
| 9/13/2022 | <0.001 | | |
| 9/14/2022 | | | |
| 9/16/2022 | | | |
| 1/31/2023 | <0.001 | | <0.001 |
| 2/1/2023 | | <0.001 | |
| 2/2/2023 | | | |
| 2/3/2023 | | | |
| 2/6/2023 | | | |
| 2/7/2023 | | | |
| 9/6/2023 | <0.001 | | 0.00053 (J) |
| 9/7/2023 | | <0.001 | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |

Time Series

Constituent: Thallium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWA-71 (bg) | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 |
|------------|--------------|-------------|---------|-------------|---------|---------|------------|-------------|-------------|
| 8/31/2016 | | 0.0004 (J) | <0.001 | | | <0.001 | | | |
| 9/1/2016 | | | | <0.001 | | | | | 0.0005 (J) |
| 9/2/2016 | | | | | | | | | |
| 9/6/2016 | | | | | <0.001 | | <0.001 | | |
| 9/7/2016 | | | | | | | | <0.001 | |
| 12/6/2016 | | 0.0004 (J) | <0.001 | | | <0.001 | | | |
| 12/7/2016 | | | | <0.001 | <0.001 | | <0.001 | | 0.0005 (J) |
| 12/8/2016 | | | | | | | | <0.001 | |
| 3/28/2017 | 6E-05 (J) | | | | | | | | |
| 3/29/2017 | | 0.0006 (J) | <0.001 | 8E-05 (J) | | <0.001 | | | 0.0004 (J) |
| 3/30/2017 | | | | | <0.001 | | <0.001 | 0.0002 (J) | |
| 5/11/2017 | | | | | | | | | |
| 5/12/2017 | <0.001 | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 6/16/2017 | <0.001 | | | | | | | | |
| 7/11/2017 | <0.001 | | | | | | | | |
| 7/12/2017 | | 0.0005 (J) | <0.001 | 9E-05 (J) | <0.001 | <0.001 | <0.001 | 0.0002 (J) | 0.0005 (J) |
| 10/24/2017 | <0.001 | 0.0004 (J) | <0.001 | | | | | | |
| 10/25/2017 | | | | 9E-05 (J) | | <0.001 | <0.001 | 0.0002 (J) | 0.0004 (J) |
| 11/15/2017 | | | | | <0.001 | | | | |
| 2/27/2018 | <0.001 | <0.01 | <0.001 | <0.001 | | <0.001 | | | |
| 2/28/2018 | | | | | <0.001 | | <0.001 | 0.00015 (J) | 0.00049 (J) |
| 7/11/2018 | | | | <0.001 | | <0.001 | <0.001 | 0.00017 (J) | 0.0005 (J) |
| 11/6/2018 | <0.001 | <0.001 (J) | <0.001 | | | | | | |
| 11/7/2018 | | | | <0.001 | <0.001 | <0.001 | <0.001 (J) | <0.001 | <0.001 (J) |
| 8/27/2019 | <0.001 | 0.00036 (J) | <0.001 | 8.9E-05 (J) | | <0.001 | | 0.00018 (J) | |
| 8/28/2019 | | | | | <0.001 | | <0.001 | | 0.00053 (J) |
| 8/29/2019 | | | | | | | | | |
| 9/17/2019 | | | | 9.7E-05 (J) | | | | | |
| 10/15/2019 | <0.001 | 0.00039 (J) | <0.001 | 9.1E-05 (J) | | | | | |
| 10/16/2019 | | | | | <0.001 | <0.001 | | | 0.00053 (J) |
| 10/17/2019 | | | | | | | <0.001 | | |
| 10/18/2019 | | | | | | | | 0.00014 (J) | |
| 3/2/2020 | <0.001 | | <0.001 | 0.00013 (J) | | | | | |
| 3/3/2020 | | 0.00042 (J) | | | <0.001 | <0.001 | <0.001 | | 0.0006 (J) |
| 3/4/2020 | | | | | | | | 0.00019 (J) | |
| 8/11/2020 | <0.001 | 0.00037 (J) | <0.001 | <0.001 | | <0.001 | | | 0.00059 (J) |
| 8/12/2020 | | | | | <0.001 | | | | |
| 8/13/2020 | | | | | | | <0.001 | | |
| 8/14/2020 | | | | | | | | 0.00019 (J) | |
| 9/22/2020 | <0.001 | | <0.001 | <0.001 | | <0.001 | | | 0.0005 (J) |
| 9/23/2020 | | | | | <0.001 | | <0.001 | | |
| 9/24/2020 | | 0.00034 (J) | | | | | | 0.00018 (J) | |
| 3/1/2021 | <0.001 | | | | | | | | |
| 3/2/2021 | | | <0.001 | | <0.001 | <0.001 | <0.001 | | 0.00056 (J) |
| 3/3/2021 | | | | <0.001 | | | | 0.00017 (J) | |
| 3/4/2021 | | 0.00042 (J) | | | | | | | |
| 9/8/2021 | <0.001 | | | | | | | | |
| 9/9/2021 | | | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | | 0.00056 (J) |
| 9/10/2021 | | 0.00027 (J) | | | | | | | |
| 9/13/2021 | | | | | | | | <0.001 | |
| 1/18/2022 | <0.001 | | | | | | | | |

Time Series

Constituent: Thallium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWA-71 (bg) | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 |
|-----------|--------------|-------------|---------|-------------|---------|-------------|---------|---------|-------------|
| 1/20/2022 | | | | | | | | | |
| 1/21/2022 | | | | | | | | | |
| 1/24/2022 | | | | | | | <0.001 | <0.001 | |
| 1/25/2022 | | | <0.001 | <0.001 | <0.001 | <0.001 | | | 0.00057 (J) |
| 1/26/2022 | | 0.00033 (J) | | | | | | | |
| 9/7/2022 | <0.001 | | | | | | | | |
| 9/13/2022 | | | | | | <0.001 | <0.001 | | |
| 9/14/2022 | | | | | | | | <0.001 | 0.00056 (J) |
| 9/15/2022 | | <0.01 | <0.001 | <0.001 | <0.001 | | | | |
| 9/20/2022 | | | | | | | | | |
| 1/31/2023 | <0.001 | | | | | | | | |
| 2/1/2023 | | | | | <0.001 | <0.001 | | | |
| 2/2/2023 | | <0.01 | | | | | <0.001 | | |
| 2/6/2023 | | | <0.001 | <0.001 | | | | <0.001 | 0.00059 (J) |
| 2/7/2023 | | | | | | | | | |
| 9/6/2023 | <0.001 | | | | | | | | |
| 9/8/2023 | | | <0.001 | | <0.001 | 0.00056 (J) | <0.001 | | 0.0005 (J) |
| 9/11/2023 | | <0.01 | | 0.00021 (J) | | | | | |
| 9/13/2023 | | | | | | | | <0.001 | |

Time Series

Constituent: Thallium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|------------|--------|-------------|---------|
| 8/31/2016 | | | |
| 9/1/2016 | | | |
| 9/2/2016 | | <0.1 | <0.001 |
| 9/6/2016 | | | |
| 9/7/2016 | | | |
| 12/6/2016 | | | |
| 12/7/2016 | | 0.0006 (J) | |
| 12/8/2016 | | | <0.001 |
| 3/28/2017 | | | |
| 3/29/2017 | | 0.0006 (J) | |
| 3/30/2017 | <0.001 | | <0.001 |
| 5/11/2017 | <0.001 | | |
| 5/12/2017 | | | |
| 6/15/2017 | <0.001 | | |
| 6/16/2017 | | | |
| 7/11/2017 | <0.001 | | |
| 7/12/2017 | | 0.0006 (J) | <0.001 |
| 10/24/2017 | <0.001 | | |
| 10/25/2017 | | 0.0005 (J) | <0.001 |
| 11/15/2017 | | | |
| 2/27/2018 | <0.001 | | |
| 2/28/2018 | | <0.1 | <0.001 |
| 7/11/2018 | <0.001 | <0.1 | <0.001 |
| 11/6/2018 | <0.001 | | |
| 11/7/2018 | | <0.001 (J) | <0.001 |
| 8/27/2019 | <0.001 | | |
| 8/28/2019 | | | |
| 8/29/2019 | | 0.00084 (J) | <0.001 |
| 9/17/2019 | | | |
| 10/15/2019 | | | |
| 10/16/2019 | | | |
| 10/17/2019 | <0.001 | 0.00062 (J) | <0.001 |
| 10/18/2019 | | | |
| 3/2/2020 | | | |
| 3/3/2020 | <0.001 | | <0.001 |
| 3/4/2020 | | 0.0023 (J) | |
| 8/11/2020 | <0.001 | | |
| 8/12/2020 | | | |
| 8/13/2020 | | 0.0016 (J) | |
| 8/14/2020 | | | <0.001 |
| 9/22/2020 | | 0.00055 (J) | |
| 9/23/2020 | <0.001 | | |
| 9/24/2020 | | | <0.001 |
| 3/1/2021 | | | |
| 3/2/2021 | <0.001 | 0.0014 (J) | |
| 3/3/2021 | | | <0.001 |
| 3/4/2021 | | | |
| 9/8/2021 | | | |
| 9/9/2021 | <0.001 | | <0.001 |
| 9/10/2021 | | 0.00052 (J) | |
| 9/13/2021 | | | |
| 1/18/2022 | | | |

Time Series

Constituent: Thallium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|-----------|--------|------------|---------|
| 1/20/2022 | <0.001 | | <0.001 |
| 1/21/2022 | | <0.1 | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | | | |
| 9/7/2022 | | | |
| 9/13/2022 | | | |
| 9/14/2022 | | | |
| 9/15/2022 | | 0.001 (J) | <0.001 |
| 9/20/2022 | <0.001 | | |
| 1/31/2023 | | | |
| 2/1/2023 | | | |
| 2/2/2023 | | | |
| 2/6/2023 | <0.001 | | |
| 2/7/2023 | | 0.0018 (J) | <0.001 |
| 9/6/2023 | | | |
| 9/8/2023 | | | |
| 9/11/2023 | | <0.1 | <0.001 |
| 9/13/2023 | <0.001 | | |

Time Series

Constituent: Thallium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-22 | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 | DGWC-48 | DGWC-5 | DGWC-8 | DGWC-9 |
|------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 8/30/2016 | | | | | | | | <0.001 | <0.005 |
| 8/31/2016 | | | | | | | <0.001 | | |
| 9/1/2016 | | | | | 0.0002 (J) | <0.001 | | | |
| 9/2/2016 | <0.001 | | | | | | | | |
| 9/7/2016 | | | | <0.001 | | | | | |
| 12/6/2016 | | | | | | | <0.001 | <0.001 | 0.0006 (J) |
| 12/8/2016 | <0.001 | | | <0.001 | <0.001 | <0.001 | | | |
| 3/28/2017 | | | <0.001 | | | | 0.0002 (J) | | 0.0007 (J) |
| 3/29/2017 | 6E-05 (J) | | | | | | | 0.0002 (J) | |
| 3/30/2017 | | <0.001 | | | | 9E-05 (J) | | | |
| 3/31/2017 | | | | 9E-05 (J) | 0.0002 (J) | | | | |
| 5/12/2017 | | <0.001 | <0.001 | | | | | | |
| 6/15/2017 | | <0.001 | <0.001 | | | | | | |
| 7/11/2017 | | | <0.001 | | | | <0.001 | 0.0001 (J) | 0.0007 (J) |
| 7/12/2017 | | <0.001 | | | | | | | |
| 7/13/2017 | 7E-05 (J) | | | 9E-05 (J) | 0.0002 (J) | 8E-05 (J) | | | |
| 10/24/2017 | | | <0.001 | | | | | 0.0003 (J) | 0.0006 (J) |
| 10/25/2017 | 7E-05 (J) | | | 9E-05 (J) | | | <0.001 | | |
| 10/26/2017 | | <0.001 | | | 0.0003 (J) | 9E-05 (J) | | | |
| 2/27/2018 | | | <0.001 | | | | <0.001 | 0.00033 (J) | 0.00038 (J) |
| 2/28/2018 | <0.001 | | | <0.001 | | | | | |
| 3/1/2018 | | <0.001 | | | 0.00032 (J) | | | | |
| 3/2/2018 | | | | | | <0.001 | | | |
| 7/11/2018 | | | | <0.001 | | | | | <0.005 |
| 7/12/2018 | <0.001 | <0.001 | | | 0.00031 (J) | <0.001 | | | |
| 11/6/2018 | | | <0.001 | | | | <0.001 | <0.001 (J) | <0.005 |
| 11/7/2018 | <0.001 | | | <0.001 | <0.001 (J) | <0.001 | | | |
| 11/8/2018 | | <0.001 (J) | | | | | | | |
| 8/27/2019 | | | <0.001 | | | | <0.001 | | 0.00053 (J) |
| 8/28/2019 | | | | 6.9E-05 (J) | | | | 0.00022 (J) | |
| 8/29/2019 | 6.4E-05 (J) | <0.001 | | | 0.00025 (J) | 7.8E-05 (J) | | | |
| 10/15/2019 | | | 7.3E-05 (J) | | | | | | |
| 10/16/2019 | | | | | | | 7.8E-05 (J) | 0.00025 (J) | |
| 10/17/2019 | | | | <0.001 | 0.00025 (J) | | | | 0.00076 (J) |
| 10/18/2019 | <0.001 | <0.001 | | | | <0.001 | | | |
| 3/2/2020 | | | <0.001 | | | | 6.2E-05 (J) | | |
| 3/3/2020 | 7E-05 (J) | | | | | | | 0.00023 (J) | 0.00044 (J) |
| 3/4/2020 | | <0.001 | | <0.001 | 0.00021 (J) | 6.8E-05 (J) | | | |
| 8/11/2020 | | | | | | | | | <0.005 |
| 8/12/2020 | | | <0.001 | | 0.00018 (J) | | <0.001 | 0.00023 (J) | |
| 8/13/2020 | | <0.001 | | <0.001 | | <0.001 | | | |
| 8/14/2020 | <0.001 | | | | | | | | |
| 9/22/2020 | | | <0.001 | <0.001 | | | <0.001 | | 0.00043 (J) |
| 9/23/2020 | | | | | 0.00026 (J) | <0.001 | | 0.0002 (J) | |
| 9/24/2020 | <0.001 | <0.001 | | | | | | | |
| 3/1/2021 | | | <0.001 | | | | | | |
| 3/2/2021 | | | | | | | <0.001 | 0.00019 (J) | <0.005 |
| 3/3/2021 | <0.001 | <0.001 | | <0.001 | 0.00023 (J) | <0.001 | | | |
| 9/9/2021 | | <0.001 | | | | | | | |
| 9/10/2021 | <0.001 | | <0.001 | | 0.00036 (J) | <0.001 | <0.001 | | 0.0004 (J) |
| 9/13/2021 | | | | <0.001 | | | | 0.00019 (J) | |
| 1/20/2022 | <0.001 | <0.001 | | <0.001 | | | | | |

Time Series

Constituent: Thallium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-22 | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 | DGWC-48 | DGWC-5 | DGWC-8 | DGWC-9 |
|-----------|---------|---------|--------|-------------|-------------|---------|--------|-------------|--------|
| 1/21/2022 | | | | | 0.00028 (J) | | | | |
| 1/24/2022 | | | <0.001 | | | <0.001 | <0.001 | | |
| 1/25/2022 | | | | | | | | 0.00019 (J) | |
| 1/26/2022 | | | | | | | | | <0.005 |
| 9/13/2022 | | | | <0.001 | 0.00021 (J) | <0.001 | | | |
| 9/14/2022 | | | | | | | <0.001 | | |
| 9/15/2022 | | | | | | | | <0.001 | |
| 9/16/2022 | <0.001 | | | | | | | | |
| 9/19/2022 | | | <0.001 | | | | | | <0.005 |
| 9/20/2022 | | <0.001 | | | | | | | |
| 2/1/2023 | | | | 0.00028 (J) | | | | | |
| 2/3/2023 | | | <0.001 | | 0.00022 (J) | <0.001 | | | <0.005 |
| 2/6/2023 | <0.001 | <0.001 | | | | | | | |
| 2/7/2023 | | | | | | | <0.001 | <0.001 | |
| 9/11/2023 | <0.001 | <0.001 | | | | | | | |
| 9/12/2023 | | | | | 0.00019 (J) | | | <0.001 | |
| 9/13/2023 | | | <0.001 | <0.001 | | <0.001 | <0.001 | | |
| 9/14/2023 | | | | | | | | | |

Time Series

Constituent: Thallium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

8/30/2016
8/31/2016
9/1/2016
9/2/2016
9/7/2016
12/6/2016
12/8/2016
3/28/2017
3/29/2017
3/30/2017
3/31/2017
5/12/2017
6/15/2017
7/11/2017
7/12/2017
7/13/2017
10/24/2017
10/25/2017
10/26/2017
2/27/2018
2/28/2018
3/1/2018
3/2/2018
7/11/2018
7/12/2018
11/6/2018
11/7/2018
11/8/2018
8/27/2019
8/28/2019
8/29/2019
10/15/2019
10/16/2019
10/17/2019
10/18/2019
3/2/2020
3/3/2020
3/4/2020
8/11/2020
8/12/2020
8/13/2020
8/14/2020
9/22/2020
9/23/2020
9/24/2020
3/1/2021
3/2/2021
3/3/2021
9/9/2021
9/10/2021
9/13/2021
1/20/2022

Time Series

Constituent: Thallium (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

| | |
|-----------|--------|
| 1/21/2022 | |
| 1/24/2022 | |
| 1/25/2022 | |
| 1/26/2022 | |
| 9/13/2022 | |
| 9/14/2022 | |
| 9/15/2022 | |
| 9/16/2022 | |
| 9/19/2022 | |
| 9/20/2022 | |
| 2/1/2023 | |
| 2/3/2023 | |
| 2/6/2023 | |
| 2/7/2023 | |
| 9/11/2023 | |
| 9/12/2023 | |
| 9/13/2023 | |
| 9/14/2023 | <0.001 |

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-100 | B-101D | B-102D | B-104D | B-106D | B-107D | B-108D | B-111D | B-120D |
|------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1/30/2019 | | | | | | | | | |
| 10/21/2019 | | | | | | | | | |
| 9/24/2020 | | | | | | | | | |
| 9/25/2020 | 724 | | | | | | | | |
| 9/28/2020 | | | | | | | | | |
| 12/9/2020 | | | | 862 | | 564 | 573 | 490 | |
| 12/17/2020 | | | 449 | | 340 | | | | |
| 1/11/2021 | | | 442 | | | | | | |
| 1/12/2021 | | 405 | | 836 | | | | 500 | |
| 3/3/2021 | | | | | | | | | |
| 3/4/2021 | | | 459 | 818 | 321 | 525 | 569 | | |
| 3/5/2021 | | 462 | | | | | | 634 | |
| 3/8/2021 | 660 | | | | | | | | |
| 3/12/2021 | | | | | | | | | |
| 4/15/2021 | | | | | | | | | 982 |
| 9/9/2021 | | | | | | | | | |
| 9/10/2021 | | | 474 | | | | | | |
| 9/13/2021 | 636 | 343 | | | 296 | 567 | | | |
| 9/14/2021 | | | | 776 | | | 576 | 586 | 882 |
| 1/20/2022 | | | | | | | | | 816 |
| 1/21/2022 | 638 | | | | | | | | |
| 1/24/2022 | | | | 806 | | 552 | 502 | 566 | |
| 1/25/2022 | | | | | 295 | | | | |
| 1/26/2022 | | 290 | | | | | | | |
| 1/27/2022 | | | 459 | | | | | | |
| 6/6/2022 | | | | | | | | | |
| 9/8/2022 | 606 | | | | | | | | |
| 9/13/2022 | | | | 832 | | | | | |
| 9/14/2022 | | | | | | 582 | | 470 | |
| 9/15/2022 | | | 437 | | | | 540 | | |
| 9/16/2022 | | 365 | | | 240 | | | | |
| 9/19/2022 | | | | | | | | | 867 |
| 2/2/2023 | 595 | | 466 | | | | | | |
| 2/3/2023 | | 313 | | 842 | | | | | 803 |
| 2/6/2023 | | | | | | 608 | | | |
| 2/7/2023 | | | | | 246 | | 563 | 489 | |
| 9/6/2023 | 641 | | | | | | | | |
| 9/7/2023 | | | | | | | | | |
| 9/8/2023 | | 668 | | | | | | | |
| 9/11/2023 | | | 442 | | 304 | | | | |
| 9/12/2023 | | | | | | 560 | | | 743 |
| 9/13/2023 | | | | 839 | | | 607 | 506 | |

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-122D | B-56 | B-62 |
|------------|--------|------|------|
| 1/30/2019 | | | 287 |
| 10/21/2019 | | | 180 |
| 9/24/2020 | | | 170 |
| 9/25/2020 | | | |
| 9/28/2020 | | 320 | |
| 12/9/2020 | | | |
| 12/17/2020 | | | |
| 1/11/2021 | | | |
| 1/12/2021 | | | |
| 3/3/2021 | | 303 | |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/8/2021 | | | |
| 3/12/2021 | | | 172 |
| 4/15/2021 | | | |
| 9/9/2021 | | | 174 |
| 9/10/2021 | | | |
| 9/13/2021 | | 321 | |
| 9/14/2021 | | | |
| 1/20/2022 | | | 187 |
| 1/21/2022 | | | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | | | |
| 1/27/2022 | | 344 | |
| 6/6/2022 | 307 | | |
| 9/8/2022 | | | 160 |
| 9/13/2022 | | | |
| 9/14/2022 | | | |
| 9/15/2022 | | | |
| 9/16/2022 | | 353 | |
| 9/19/2022 | | | |
| 2/2/2023 | | | 197 |
| 2/3/2023 | | | |
| 2/6/2023 | 392 | | |
| 2/7/2023 | | 379 | |
| 9/6/2023 | | | |
| 9/7/2023 | 324 | | 181 |
| 9/8/2023 | | 402 | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |
| 9/13/2023 | | | |

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|------------|------|------|------|------|------|------|------|------|------|
| 3/28/2017 | | | | | | | | | |
| 5/11/2017 | | | | | | | | | |
| 5/15/2017 | | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 7/11/2017 | | | | | | | | | |
| 7/12/2017 | | | | | | | | | |
| 8/8/2017 | | | | | | | | | |
| 10/24/2017 | | | | | | | | | |
| 11/15/2017 | | | | | | | | | |
| 2/27/2018 | | | | | | | | | |
| 3/8/2018 | | | | | | | | | |
| 7/12/2018 | | | | | | | | | |
| 11/6/2018 | | | | | | | | | |
| 11/7/2018 | | | | | | | | | |
| 1/28/2019 | 204 | | | | | | | | |
| 1/30/2019 | | 601 | | | | | | | |
| 3/12/2019 | | | | | | | | | |
| 3/13/2019 | | | | | | | | | |
| 10/15/2019 | | | | | | | | | |
| 10/16/2019 | | | | | | | | | |
| 10/21/2019 | | 617 | | 458 | 214 | | | | |
| 10/22/2019 | 178 | | | | | | | | |
| 10/24/2019 | | | 106 | | | | | | |
| 3/2/2020 | | | | | | | | | |
| 3/9/2020 | | | | | | | | | |
| 9/22/2020 | | | | | | | | | |
| 9/24/2020 | | | 124 | | | | | | |
| 9/25/2020 | | | | | 244 | 624 | | | |
| 9/28/2020 | | | | 454 | | | | 686 | |
| 3/1/2021 | | | | | | | | | |
| 3/4/2021 | | | 128 | | 234 | | | | |
| 3/5/2021 | | | | | | 798 | | | |
| 3/9/2021 | | | | | | | | 790 | |
| 3/12/2021 | | | | | | | | | |
| 9/9/2021 | | | | | | | | | |
| 9/13/2021 | | | | | | 572 | | | |
| 9/14/2021 | 170 | 490 | 94 | 536 | | | | | |
| 9/15/2021 | | | | | | | 612 | 812 | 892 |
| 9/16/2021 | | | | | 223 | | | | |
| 1/18/2022 | | | | | | | | | |
| 1/20/2022 | 177 | | 129 | | | | | | |
| 1/21/2022 | | | | | 236 | | | | |
| 1/25/2022 | | 482 | | 668 | | | | | |
| 1/26/2022 | | | | | | | 572 | 766 | 930 |
| 1/27/2022 | | | | | | 654 | | | |
| 1/28/2022 | | | | | | | | | |
| 9/7/2022 | | | | | | | | | |
| 9/8/2022 | | | | | | | | | |
| 9/12/2022 | | | | | | | 696 | 884 | |
| 9/13/2022 | | | 113 | | 210 | | | | 1050 |
| 9/14/2022 | 206 | | | | | | | | |
| 9/16/2022 | | 498 | | 468 | | 564 | | | |

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|-----------|------|------|------|------|------|------|------|------|------|
| 1/31/2023 | | | | | | | 688 | 898 | |
| 2/1/2023 | | | | | | | | | 1170 |
| 2/2/2023 | 198 | | | | | | | | |
| 2/3/2023 | | | | | 214 | | | | |
| 2/6/2023 | | | 92 | | | | | | |
| 2/7/2023 | | 497 | | 611 | | 685 | | | |
| 9/6/2023 | | | | | | | 1020 | 1020 | 1190 |
| 9/7/2023 | 186 | | | | | | | | |
| 9/11/2023 | | 484 | | 612 | | | | | |
| 9/12/2023 | | | 98 | | 204 | 752 | | | |

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|------------|------|--------------|---------------|
| 3/28/2017 | | 202 | 39 |
| 5/11/2017 | | 241 | |
| 5/15/2017 | | | 88 |
| 6/15/2017 | | 251 | 65 |
| 7/11/2017 | | | 25 |
| 7/12/2017 | | 218 | |
| 8/8/2017 | | | 53 |
| 10/24/2017 | | 671 (O) | 49 |
| 11/15/2017 | | 241 | |
| 2/27/2018 | | | 43 |
| 3/8/2018 | | 213 | |
| 7/12/2018 | | 198 | |
| 11/6/2018 | | | 65 |
| 11/7/2018 | | 200 | |
| 1/28/2019 | | | |
| 1/30/2019 | | | |
| 3/12/2019 | | | 43 |
| 3/13/2019 | | 201 | |
| 10/15/2019 | | | 70 |
| 10/16/2019 | | 126 | |
| 10/21/2019 | | | |
| 10/22/2019 | | | |
| 10/24/2019 | | | |
| 3/2/2020 | | | 52 |
| 3/9/2020 | | 171 | |
| 9/22/2020 | | 142 | 46 |
| 9/24/2020 | | | |
| 9/25/2020 | | | |
| 9/28/2020 | | | |
| 3/1/2021 | | | 25 |
| 3/4/2021 | | | |
| 3/5/2021 | | | |
| 3/9/2021 | | | |
| 3/12/2021 | | 124 | |
| 9/9/2021 | | 131 | 53 |
| 9/13/2021 | | | |
| 9/14/2021 | | | |
| 9/15/2021 | 524 | | |
| 9/16/2021 | | | |
| 1/18/2022 | | | 54 |
| 1/20/2022 | | | |
| 1/21/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | 139 | | |
| 1/27/2022 | | | |
| 1/28/2022 | | 155 | |
| 9/7/2022 | | | 34 |
| 9/8/2022 | | 129 | |
| 9/12/2022 | | | |
| 9/13/2022 | 267 | | |
| 9/14/2022 | | | |
| 9/16/2022 | | | |

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWA-53 (bg) | DGWA-70A (bg) |
|-----------|------|--------------|---------------|
| 1/31/2023 | 147 | | 163 |
| 2/1/2023 | | 116 | |
| 2/2/2023 | | | |
| 2/3/2023 | | | |
| 2/6/2023 | | | |
| 2/7/2023 | | | |
| 9/6/2023 | 207 | | 46 |
| 9/7/2023 | | 123 | |
| 9/11/2023 | | | |
| 9/12/2023 | | | |

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWA-71 (bg) | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 |
|------------|--------------|---------|---------|---------|---------|---------|---------|---------|---------|
| 8/31/2016 | | 525 | 307 | | | 106 | | | |
| 9/1/2016 | | | | 568 | | | | | 396 |
| 9/2/2016 | | | | | | | | | |
| 9/6/2016 | | | | | 296 | | 304 | | |
| 9/7/2016 | | | | | | | | 353 | |
| 12/6/2016 | | 595 | 358 | | | 138 | | | |
| 12/7/2016 | | | | 559 | 270 | | 287 | | 400 |
| 12/8/2016 | | | | | | | | 408 | |
| 3/28/2017 | 90 | | | | | | | | |
| 3/29/2017 | | 525 | 300 | 550 | | 102 | | | 390 |
| 3/30/2017 | | | | | 287 | | 312 | 338 | |
| 5/11/2017 | | | | | | | | | |
| 5/12/2017 | 92 | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 6/16/2017 | 100 | | | | | | | | |
| 7/11/2017 | 59 | | | | | | | | |
| 7/12/2017 | | 598 | 382 | 594 | 312 | 118 | 490 (O) | 417 | 360 |
| 10/24/2017 | 117 | 353 | 342 | | | | | | |
| 10/25/2017 | | | | 571 | | 88 | 290 | 343 | 423 |
| 11/15/2017 | 90 | 582 | | | 325 | | | | |
| 2/27/2018 | 79 | 542 | 393 | 582 | | 99 | | | |
| 2/28/2018 | | | | | 84 | | 313 | 364 | 440 |
| 7/11/2018 | | | | 593 | | 119 | 320 | 393 | 457 |
| 11/6/2018 | 85 | 512 | 412 | | | | | | |
| 11/7/2018 | | | | 504 | 314 | 113 | 325 | 408 | 461 |
| 3/12/2019 | 74 | 436 | 433 | 465 | | | | | |
| 3/13/2019 | | | | | 656 | 280 | | 802 | 113 |
| 3/14/2019 | | | | | | | 340 | | |
| 10/15/2019 | 89 | 447 | 461 | 472 | | | | | |
| 10/16/2019 | | | | | 296 | 104 | | | 500 |
| 10/17/2019 | | | | | | | 319 | | |
| 10/18/2019 | | | | | | | | 403 | |
| 3/2/2020 | 67 | | 458 | 338 | | | | | |
| 3/3/2020 | | 382 | | | 263 | 123 | 323 | | 526 |
| 3/4/2020 | | | | | | | | 414 | |
| 9/22/2020 | 74 | | 481 | 338 | | 105 | | | 513 |
| 9/23/2020 | | | | | 278 | | 317 | | |
| 9/24/2020 | | 283 | | | | | | 411 | |
| 3/1/2021 | 62 | | | | | | | | |
| 3/2/2021 | | | 456 | | 256 | 105 | 272 | | 513 |
| 3/3/2021 | | | | 325 | | | | 384 | |
| 3/4/2021 | | 430 | | | | | | | |
| 9/8/2021 | 75 | | | | | | | | |
| 9/9/2021 | | | 433 | 275 | 246 | 99 | 292 | | 480 |
| 9/10/2021 | | 474 | | | | | | | |
| 9/13/2021 | | | | | | | | 424 | |
| 1/18/2022 | 76 | | | | | | | | |
| 1/20/2022 | | | | | | | | | |
| 1/21/2022 | | | | | | | | | |
| 1/24/2022 | | | | | | | 294 | 426 | |
| 1/25/2022 | | | 465 | 258 | 256 | 120 | | | 694 |
| 1/26/2022 | | 425 | | | | | | | |

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|------------|--------|---------|---------|
| 8/31/2016 | | | |
| 9/1/2016 | | | |
| 9/2/2016 | | 1100 | 459 |
| 9/6/2016 | | | |
| 9/7/2016 | | | |
| 12/6/2016 | | | |
| 12/7/2016 | | 930 | |
| 12/8/2016 | | | 491 |
| 3/28/2017 | | | |
| 3/29/2017 | | 923 | |
| 3/30/2017 | 580 | | 436 |
| 5/11/2017 | 573 | | |
| 5/12/2017 | | | |
| 6/15/2017 | 626 | | |
| 6/16/2017 | | | |
| 7/11/2017 | 542 | | |
| 7/12/2017 | | 956 | 505 |
| 10/24/2017 | 523 | | |
| 10/25/2017 | | 854 | 474 |
| 11/15/2017 | | | |
| 2/27/2018 | 401 | | |
| 2/28/2018 | | 888 | 480 |
| 7/11/2018 | 334 | 826 | 485 |
| 11/6/2018 | 334 | | |
| 11/7/2018 | | 834 | 516 |
| 3/12/2019 | 297 | | |
| 3/13/2019 | | 639 | 486 |
| 3/14/2019 | | | |
| 10/15/2019 | | | |
| 10/16/2019 | | | |
| 10/17/2019 | 302 | 751 | 498 |
| 10/18/2019 | | | |
| 3/2/2020 | | | |
| 3/3/2020 | 277 | | 490 |
| 3/4/2020 | | 761 | |
| 9/22/2020 | | 724 | |
| 9/23/2020 | 267 | | |
| 9/24/2020 | | | 494 |
| 3/1/2021 | | | |
| 3/2/2021 | 241 | 742 | |
| 3/3/2021 | | | 459 |
| 3/4/2021 | | | |
| 9/8/2021 | | | |
| 9/9/2021 | 260 | | 396 |
| 9/10/2021 | | 678 | |
| 9/13/2021 | | | |
| 1/18/2022 | | | |
| 1/20/2022 | 238 | | 451 |
| 1/21/2022 | | 702 | |
| 1/24/2022 | | | |
| 1/25/2022 | | | |
| 1/26/2022 | | | |

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-20 | DGWC-21 |
|-----------|--------|---------|---------|
| 9/7/2022 | | | |
| 9/13/2022 | | | |
| 9/14/2022 | | | |
| 9/15/2022 | | 618 | 440 |
| 9/20/2022 | 230 | | |
| 1/31/2023 | | | |
| 2/1/2023 | | | |
| 2/2/2023 | | | |
| 2/6/2023 | 226 | | |
| 2/7/2023 | | 848 | 498 |
| 9/6/2023 | | | |
| 9/8/2023 | | | |
| 9/11/2023 | | 960 | 519 |
| 9/13/2023 | 212 | | |

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

8/30/2016
8/31/2016
9/1/2016
9/2/2016
9/7/2016
12/6/2016
12/8/2016
3/28/2017
3/29/2017
3/30/2017
3/31/2017
5/12/2017
6/15/2017
7/11/2017
7/12/2017
7/13/2017
10/24/2017
10/25/2017
10/26/2017
11/15/2017
2/27/2018
2/28/2018
3/1/2018
3/2/2018
7/11/2018
7/12/2018
11/6/2018
11/7/2018
11/8/2018
3/12/2019
3/14/2019
10/15/2019
10/16/2019
10/17/2019
10/18/2019
3/2/2020
3/3/2020
3/4/2020
9/22/2020
9/23/2020
9/24/2020
3/1/2021
3/2/2021
3/3/2021
9/9/2021
9/10/2021
9/13/2021
1/20/2022
1/21/2022
1/24/2022
1/25/2022
1/26/2022

Time Series

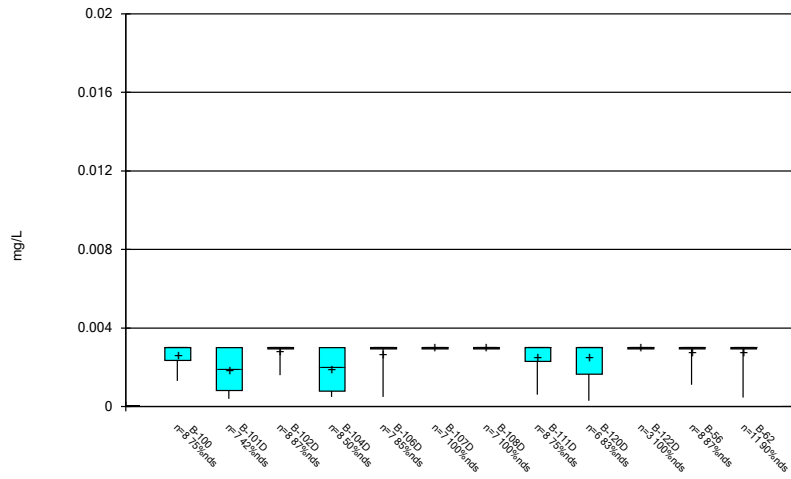
Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 1/16/2024 2:05 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-125D

| | |
|-----------|-----|
| 9/13/2022 | |
| 9/14/2022 | |
| 9/15/2022 | |
| 9/16/2022 | |
| 9/19/2022 | |
| 9/20/2022 | |
| 2/1/2023 | |
| 2/3/2023 | |
| 2/6/2023 | |
| 2/7/2023 | |
| 3/21/2023 | 753 |
| 4/10/2023 | 908 |
| 9/11/2023 | |
| 9/12/2023 | |
| 9/13/2023 | |
| 9/14/2023 | 853 |

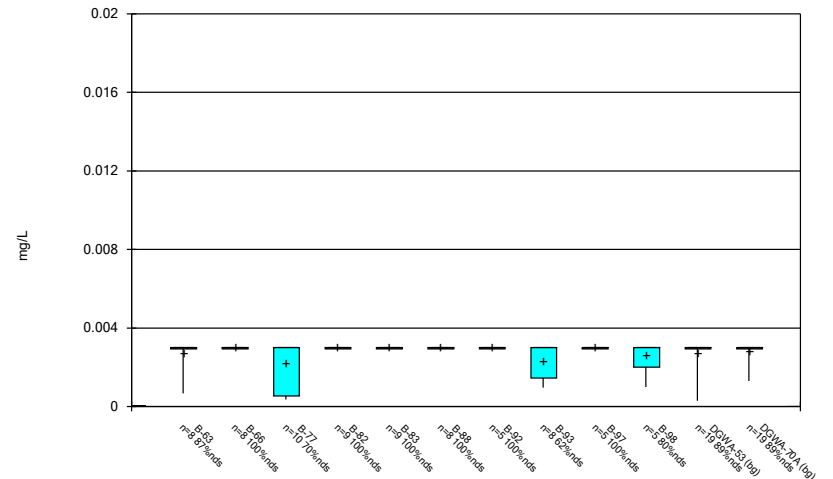
FIGURE B.

Box & Whiskers Plot



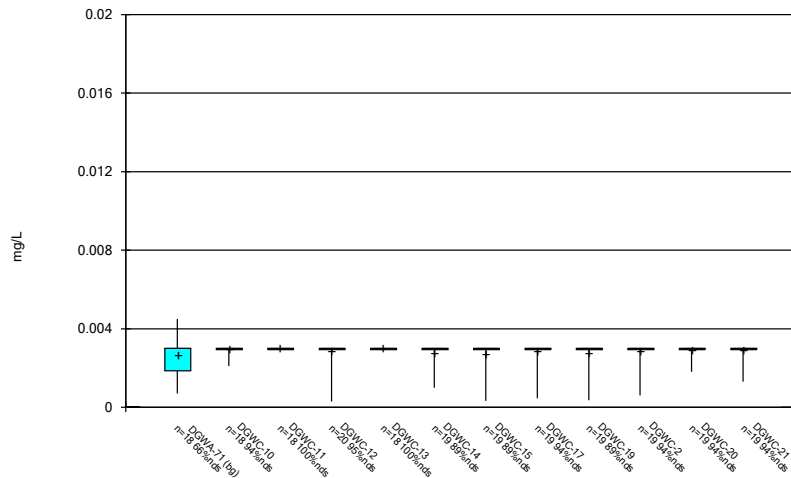
Constituent: Antimony Analysis Run 1/16/2024 2:07 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



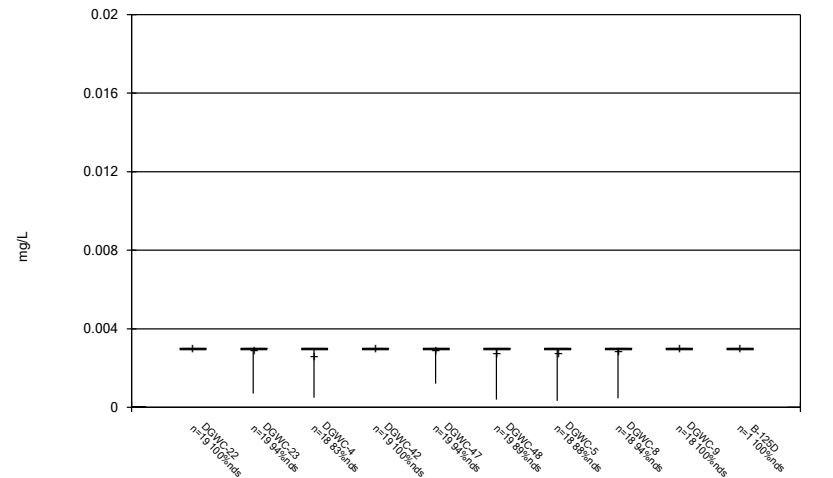
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Box & Whiskers Plot



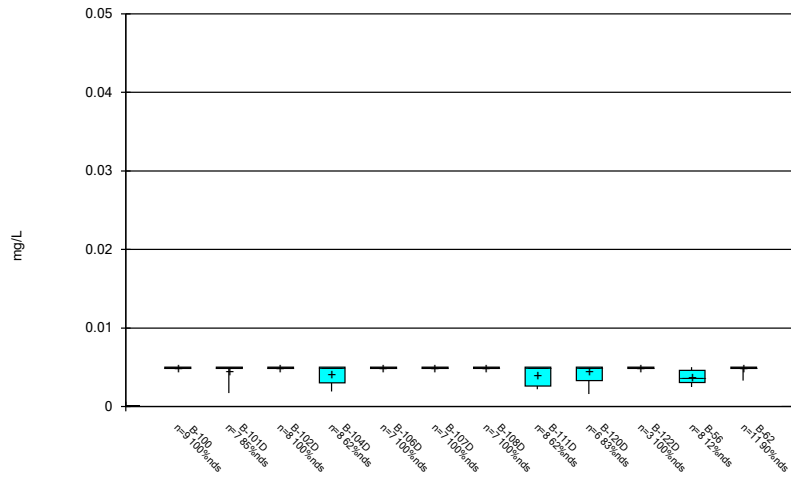
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Box & Whiskers Plot



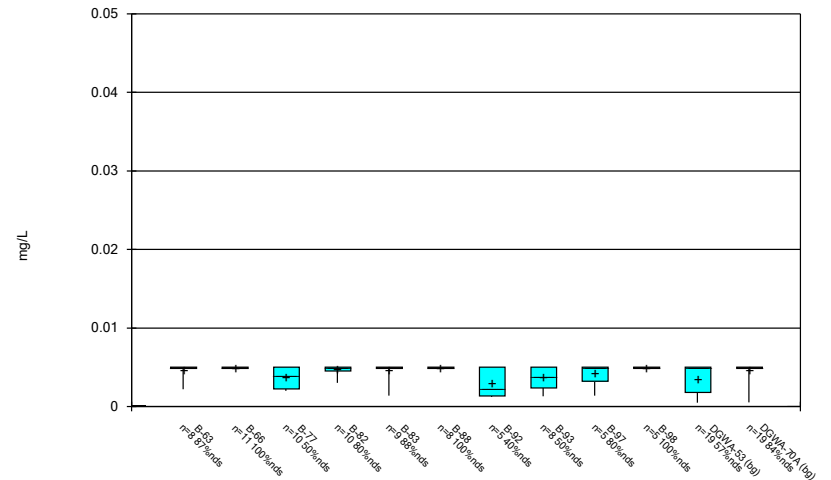
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Box & Whiskers Plot



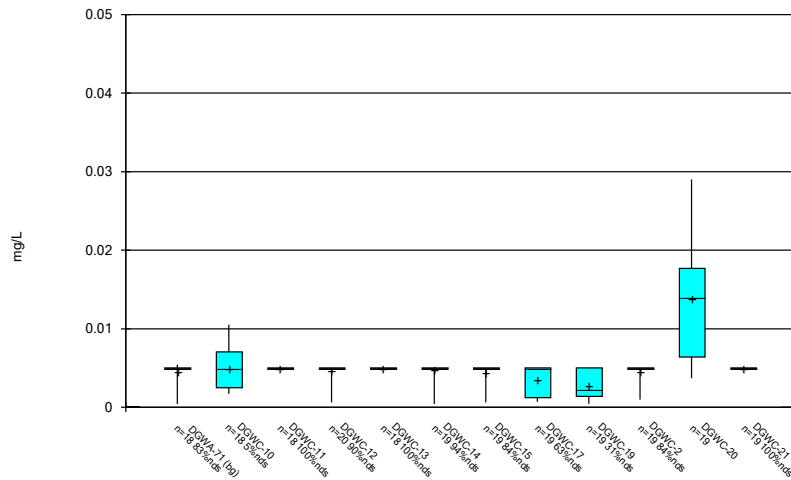
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Box & Whiskers Plot



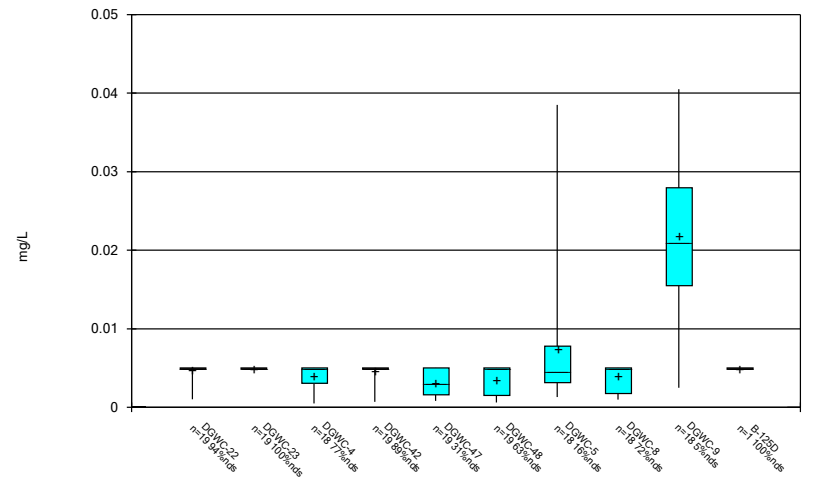
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Box & Whiskers Plot



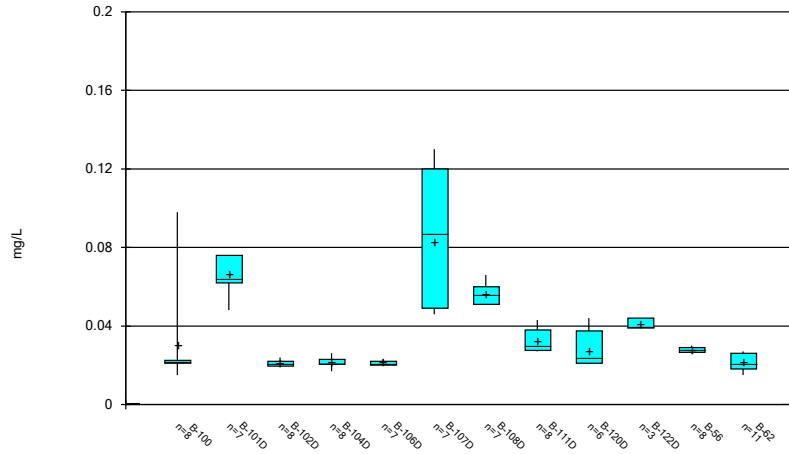
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Box & Whiskers Plot



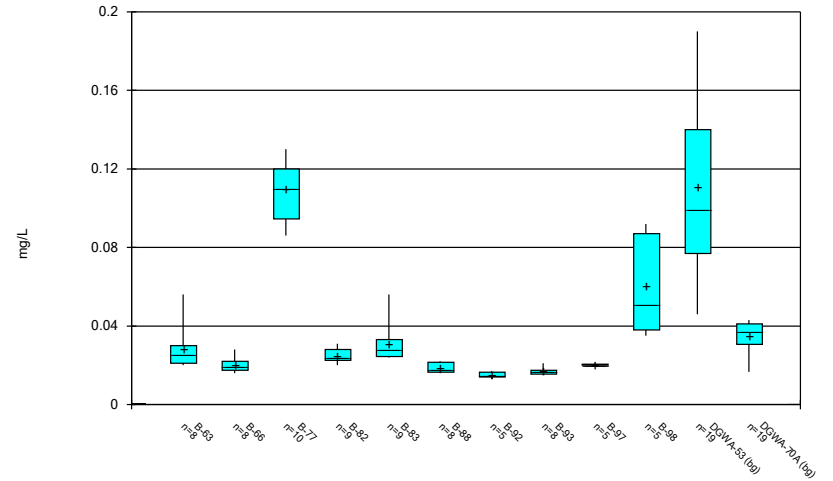
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Box & Whiskers Plot



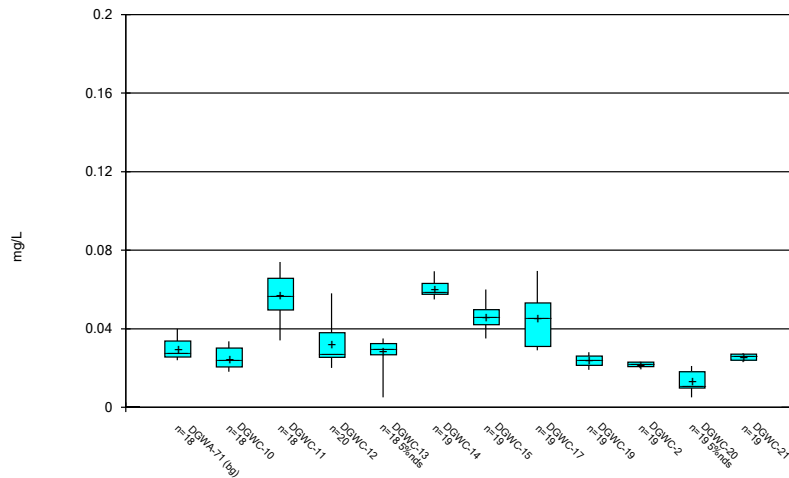
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Box & Whiskers Plot



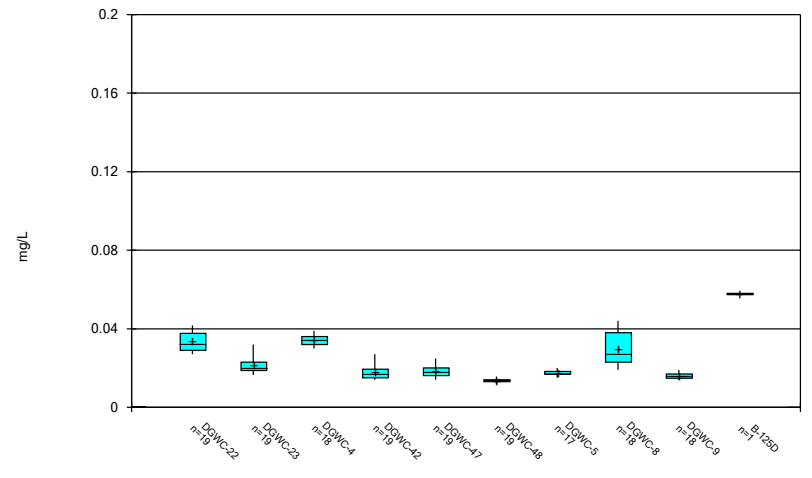
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Box & Whiskers Plot



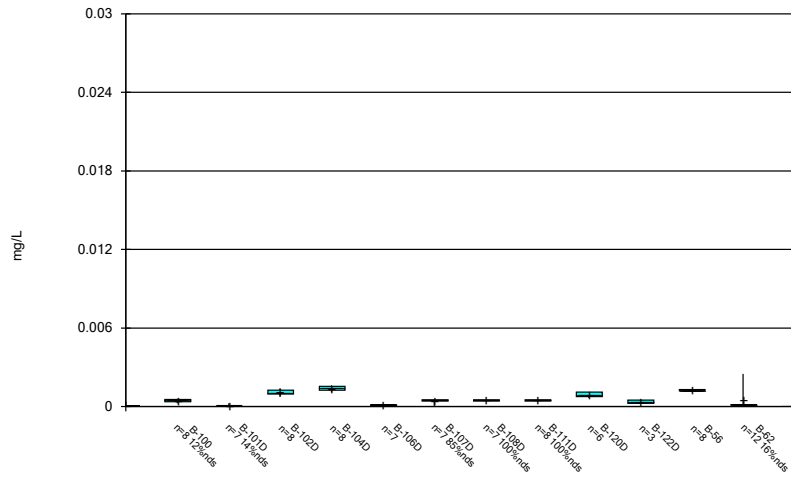
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Box & Whiskers Plot



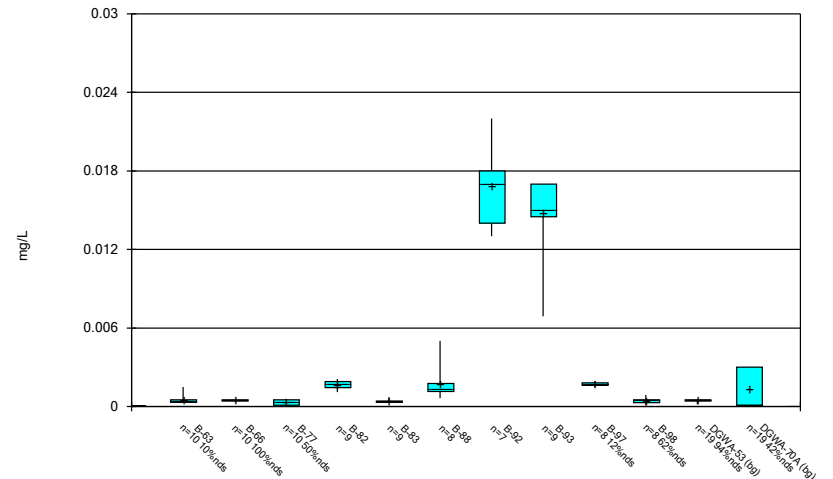
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Box & Whiskers Plot



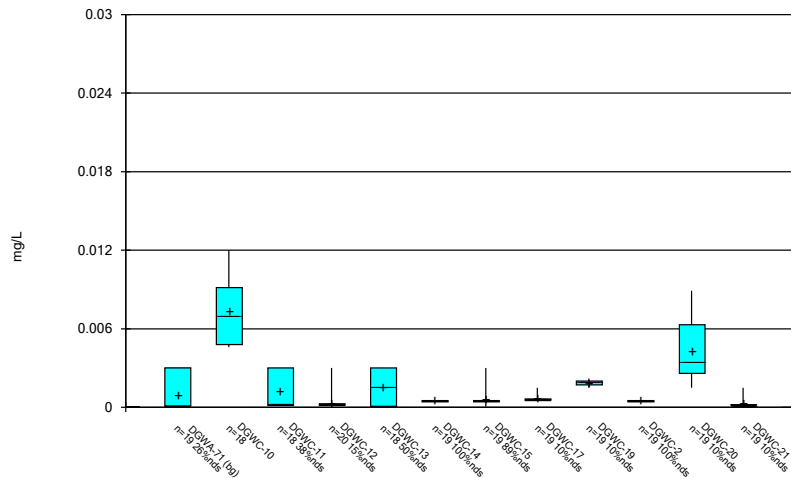
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Box & Whiskers Plot



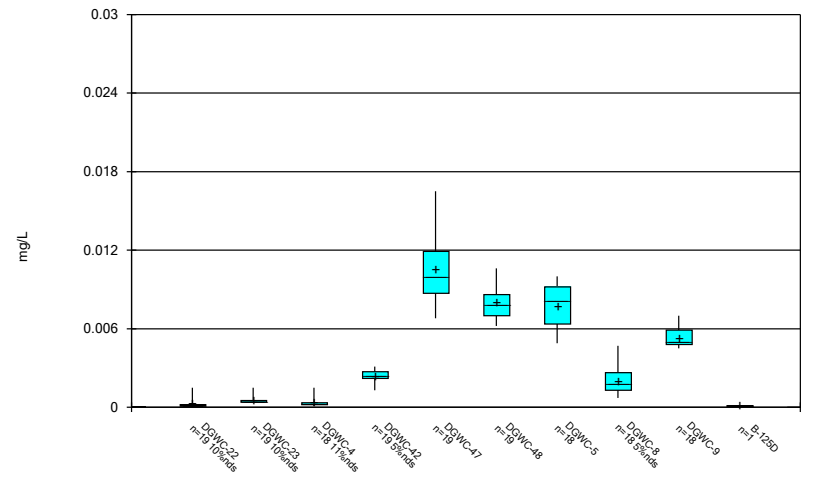
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Box & Whiskers Plot



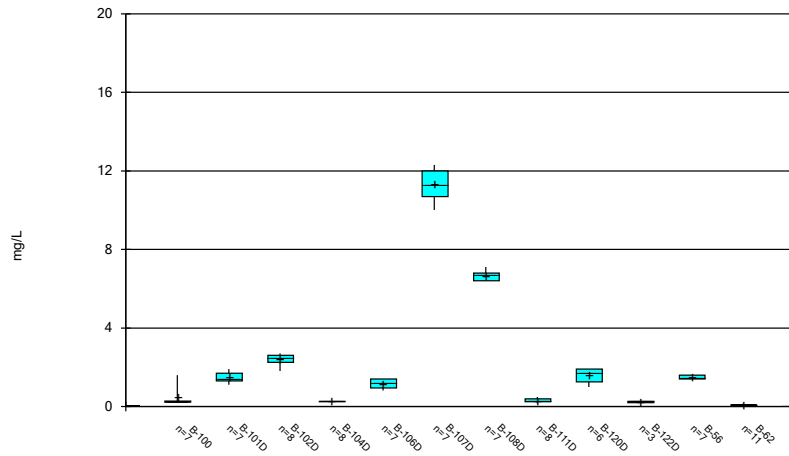
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Box & Whiskers Plot



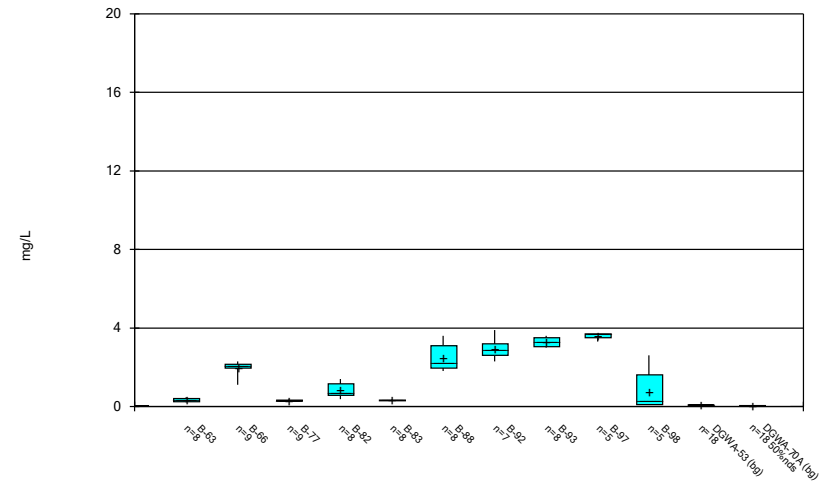
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Box & Whiskers Plot



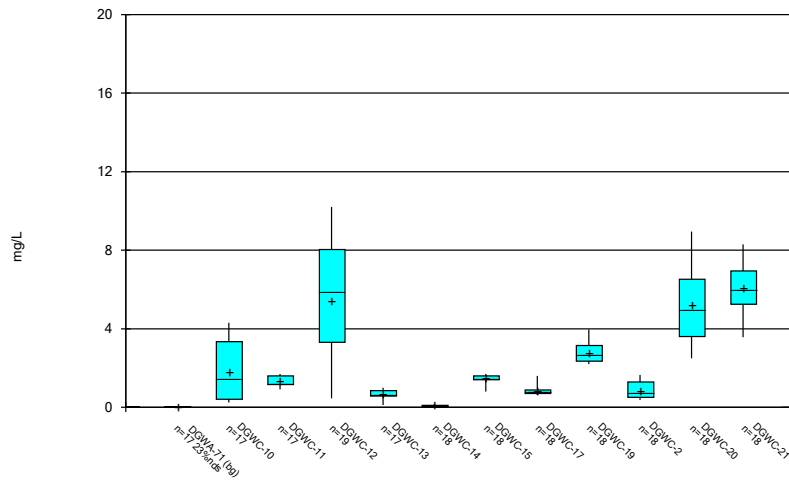
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Box & Whiskers Plot



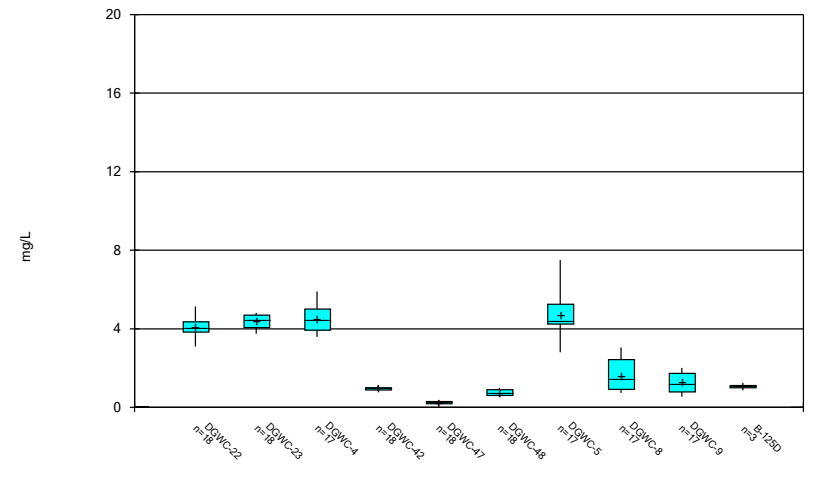
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Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



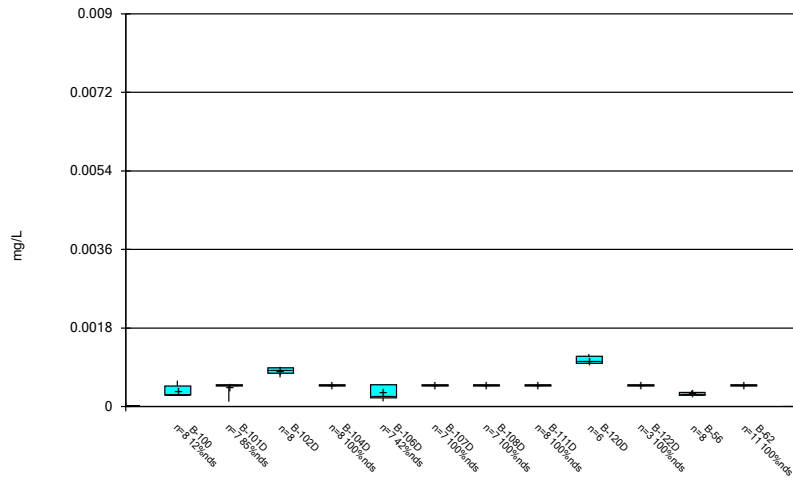
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Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



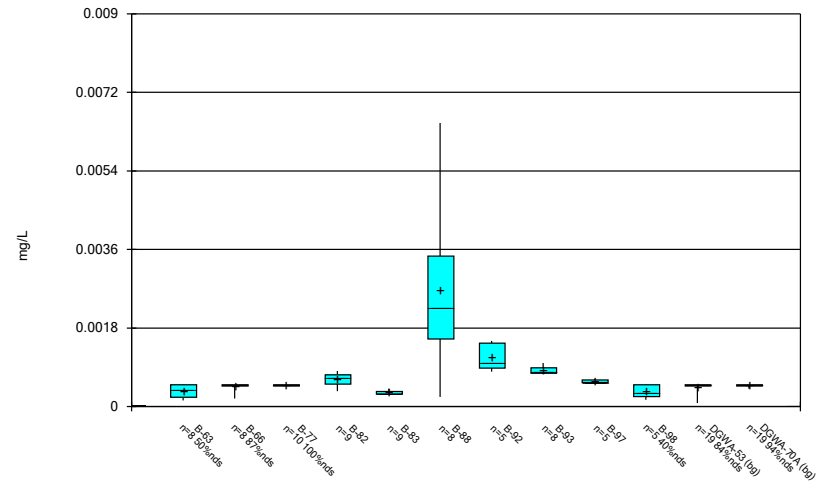
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Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



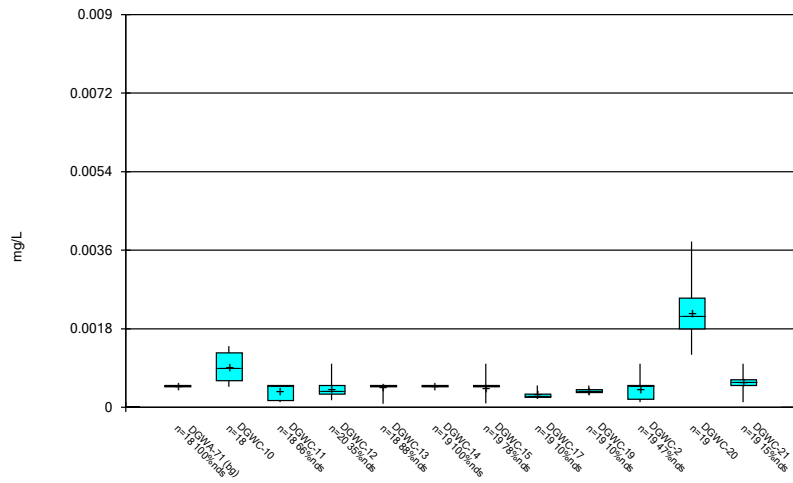
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



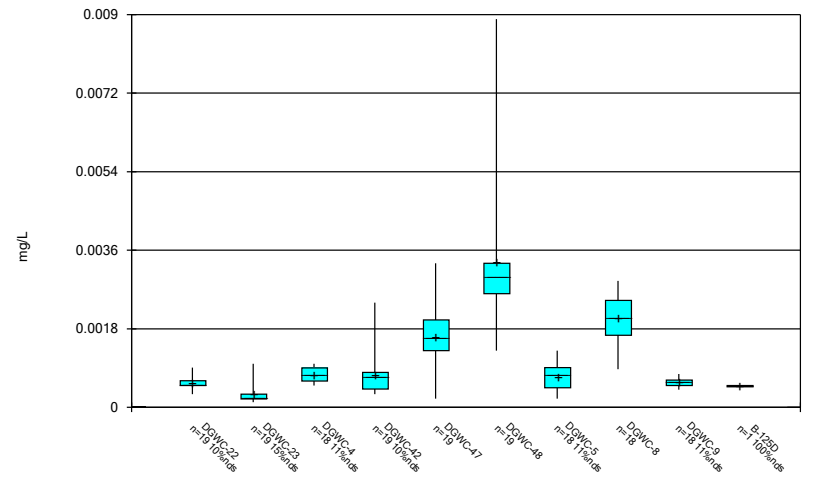
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Box & Whiskers Plot



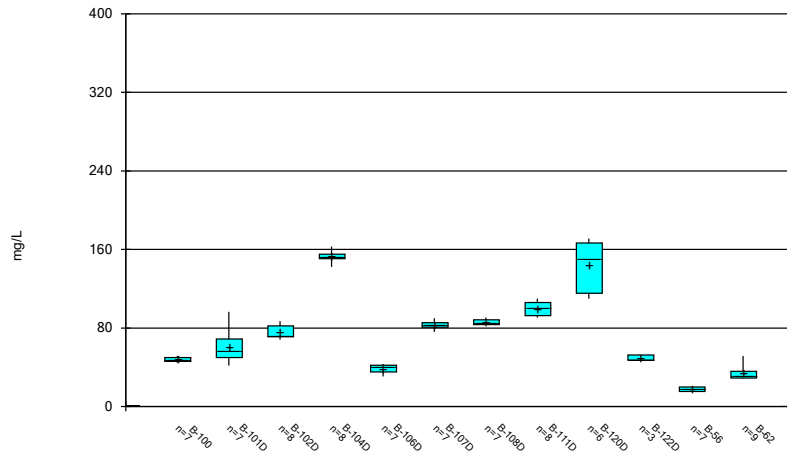
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Box & Whiskers Plot



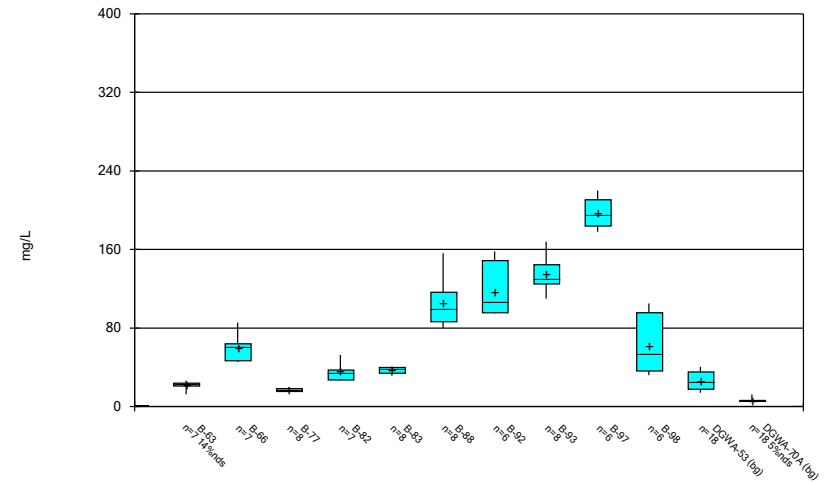
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Box & Whiskers Plot



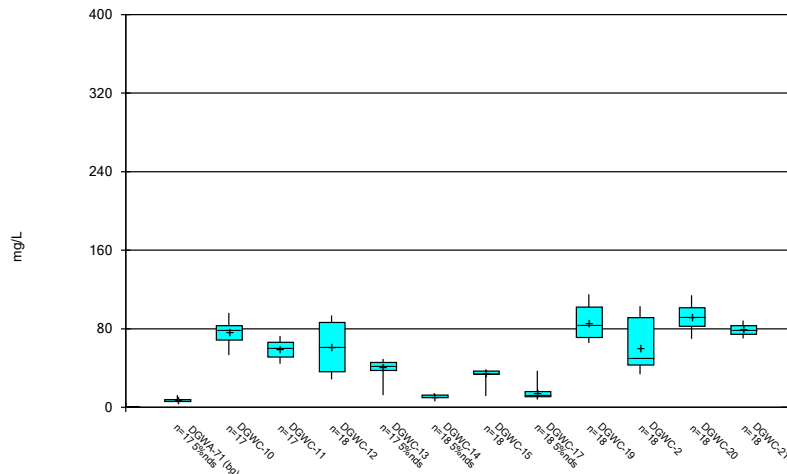
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Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



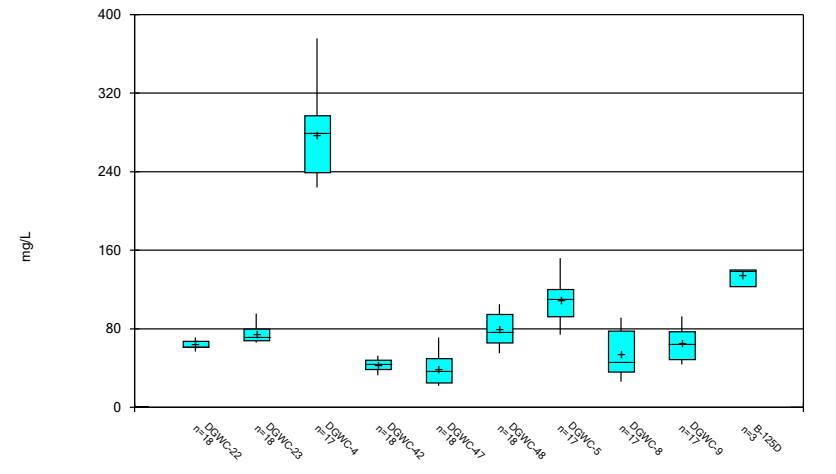
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Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



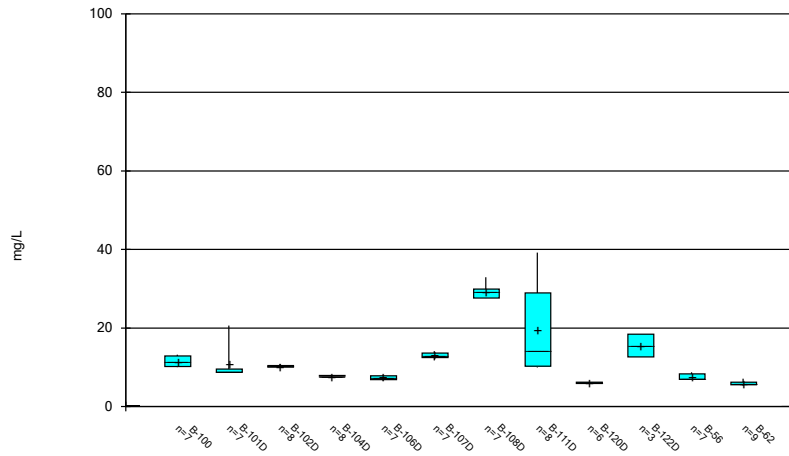
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Box & Whiskers Plot



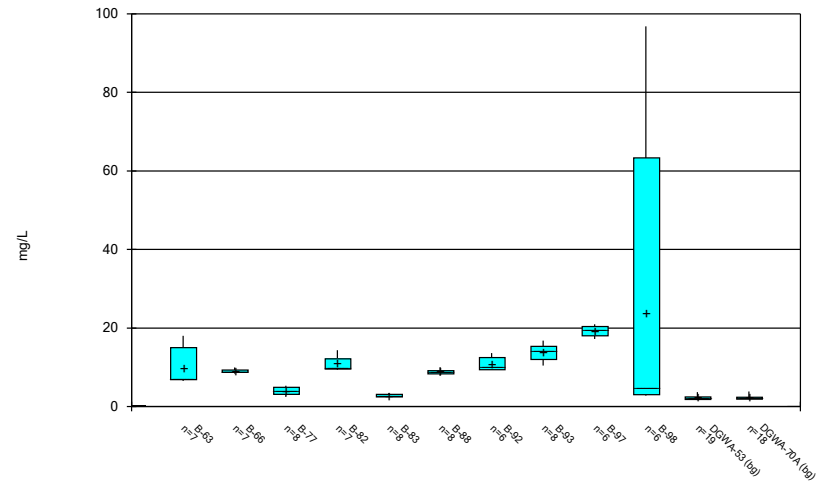
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Box & Whiskers Plot



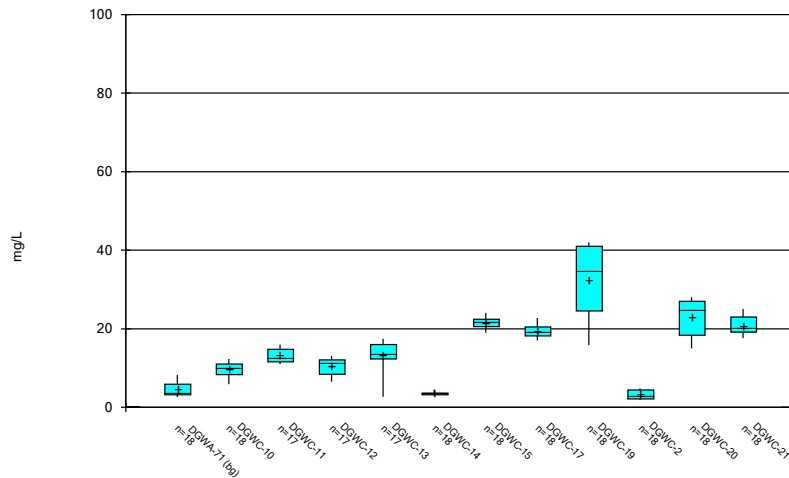
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Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



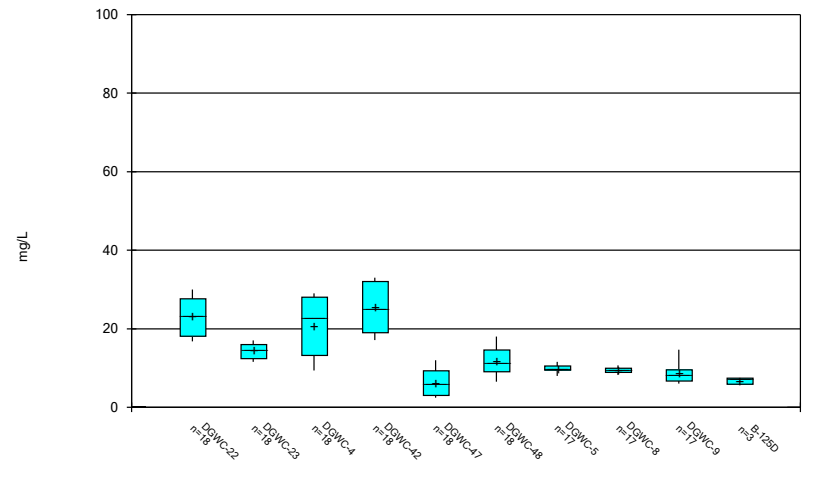
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Box & Whiskers Plot



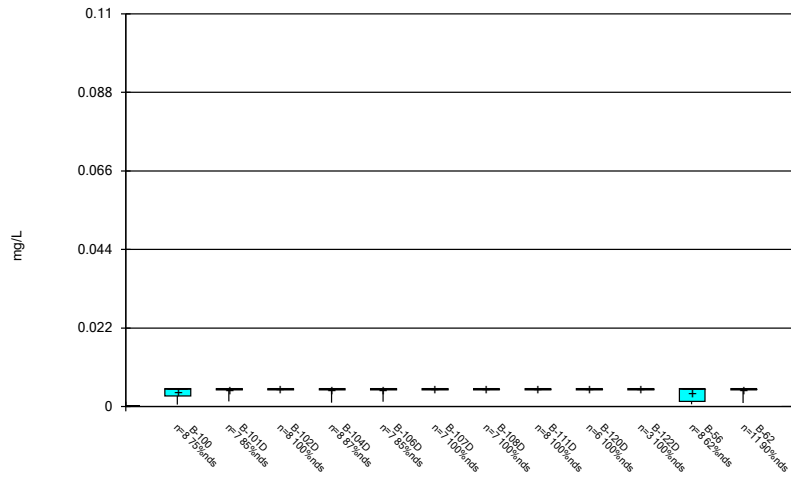
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Box & Whiskers Plot



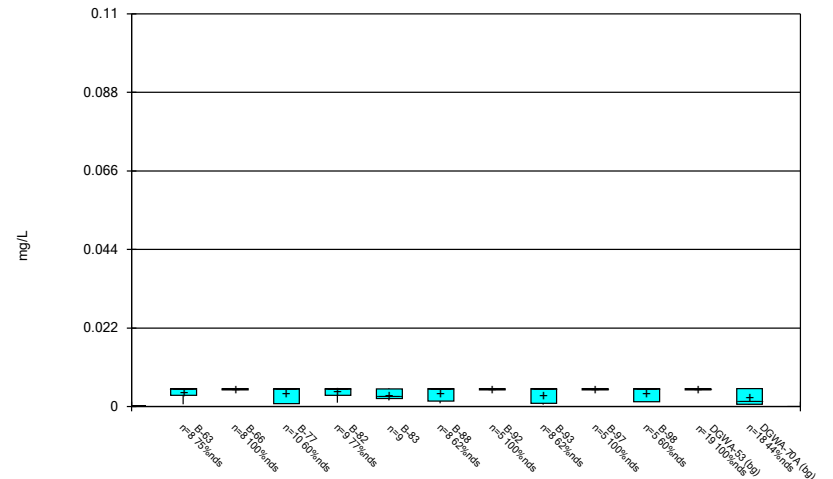
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Box & Whiskers Plot



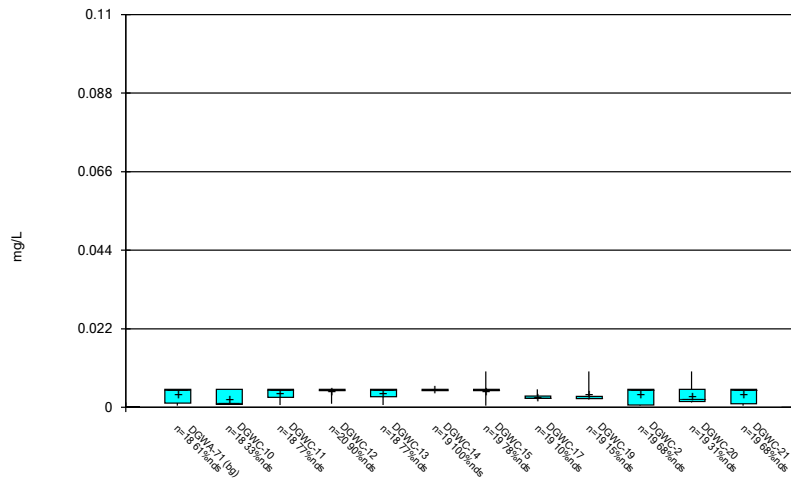
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Box & Whiskers Plot



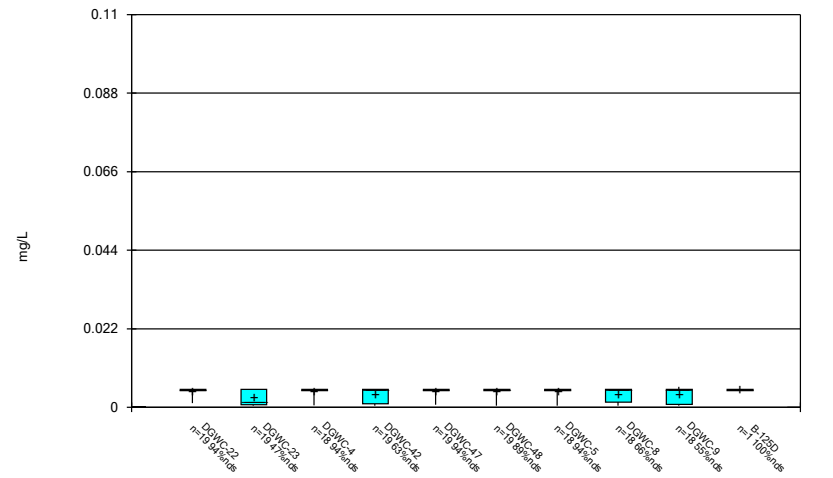
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Box & Whiskers Plot



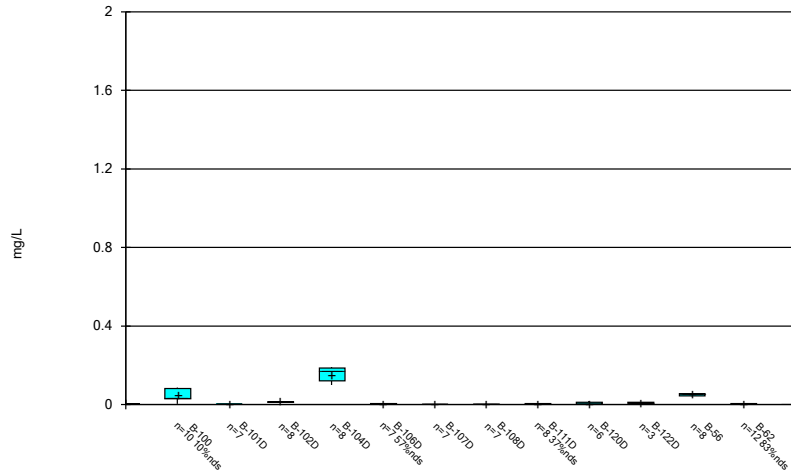
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Box & Whiskers Plot



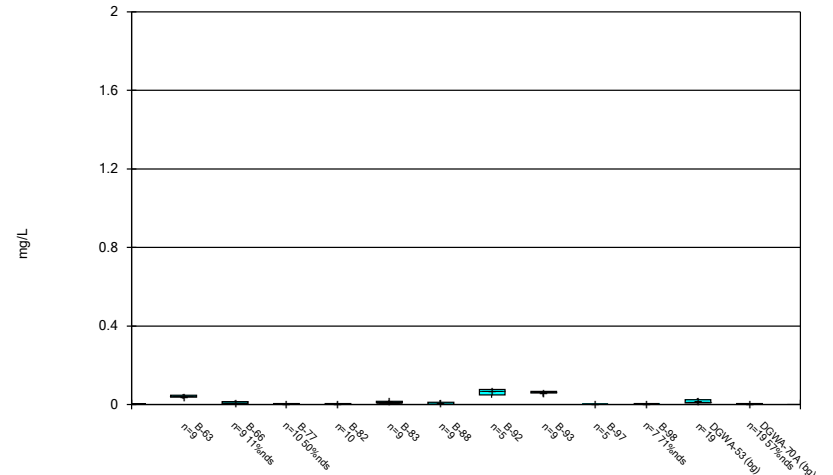
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Box & Whiskers Plot



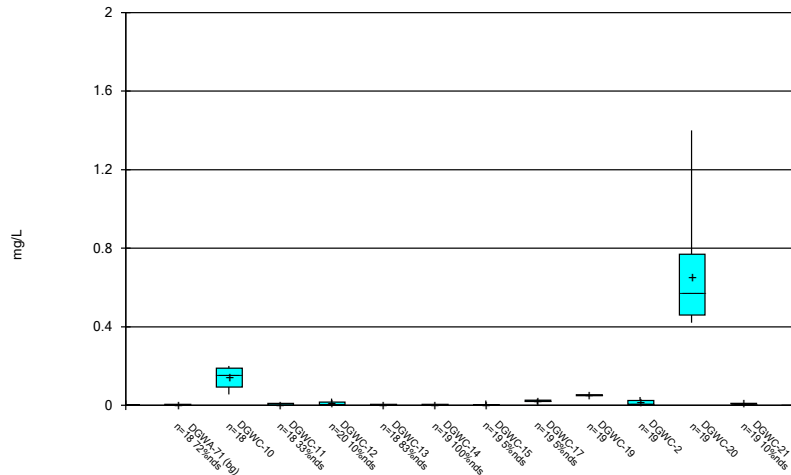
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Box & Whiskers Plot



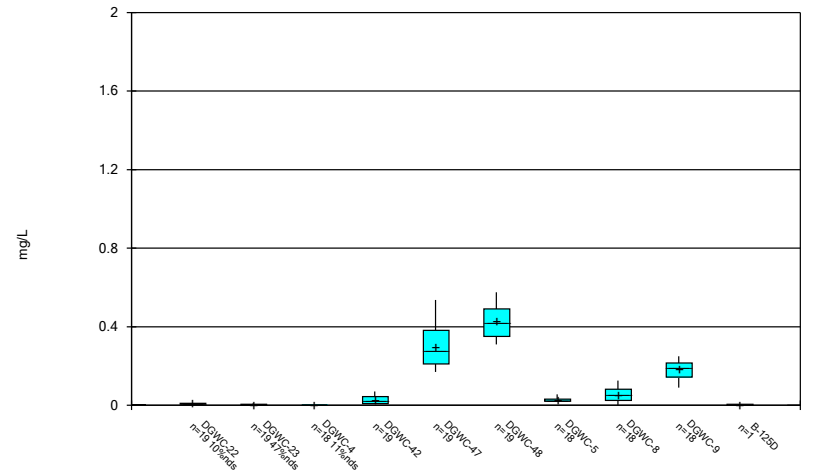
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Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



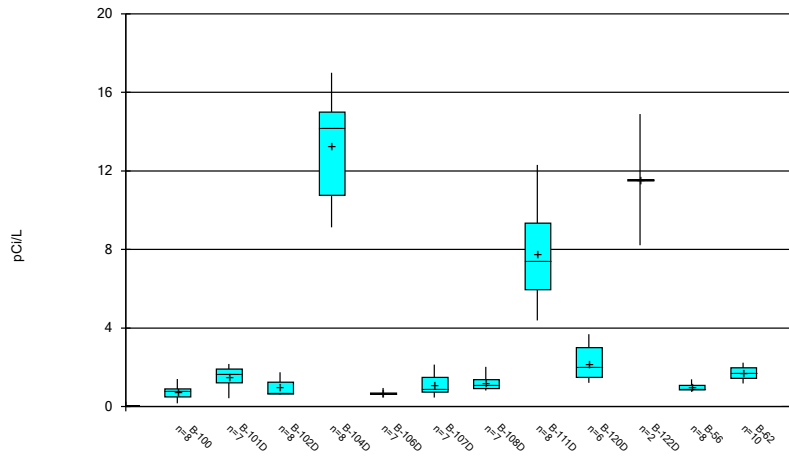
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Box & Whiskers Plot



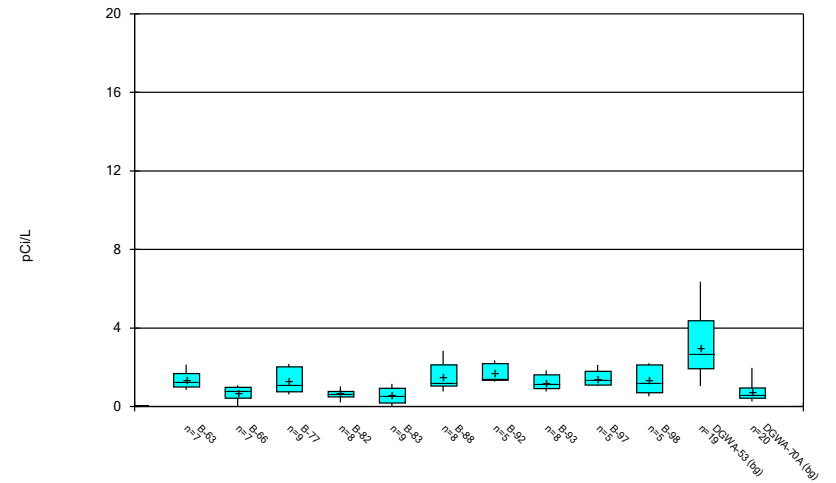
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Box & Whiskers Plot



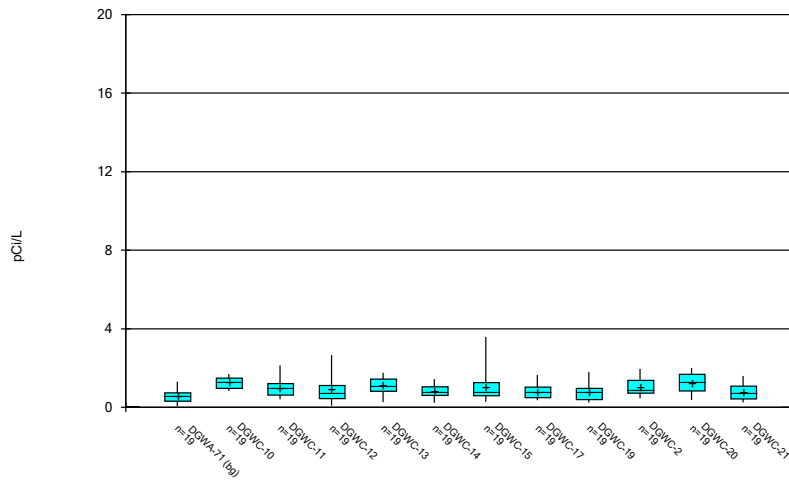
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Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



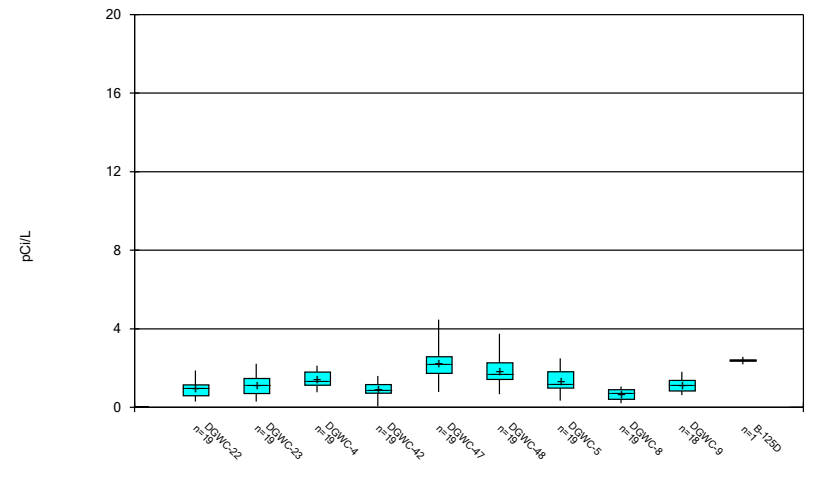
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Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



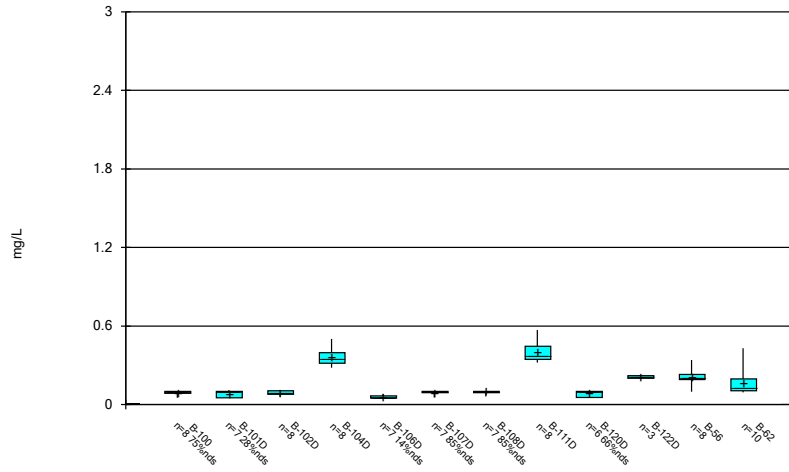
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Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



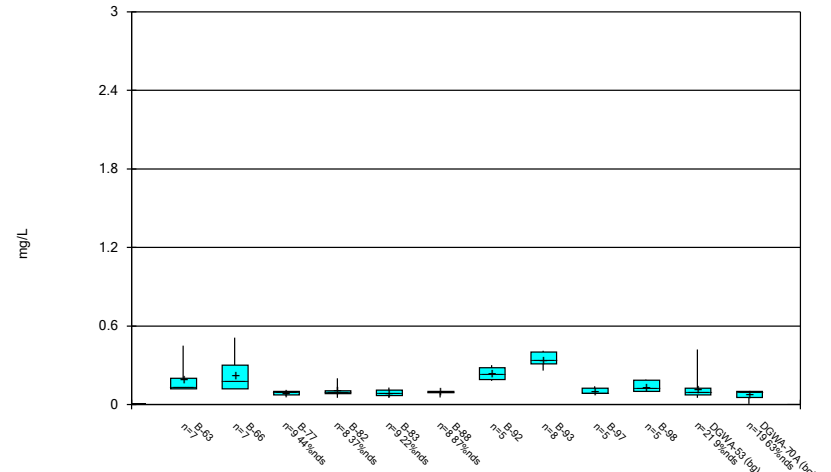
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Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



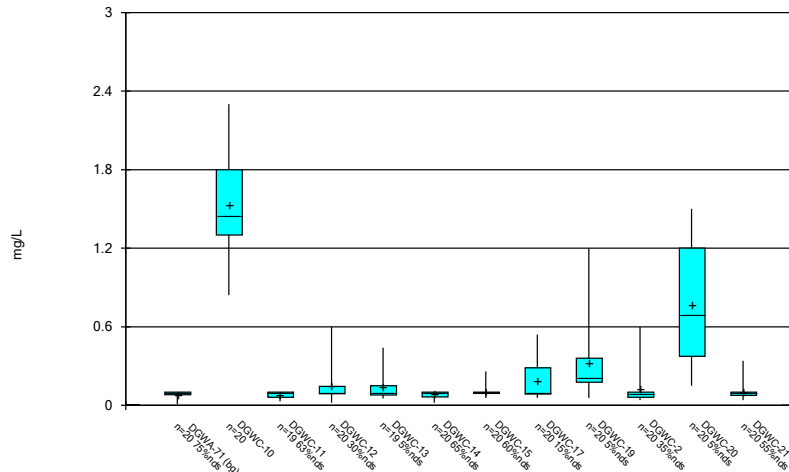
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Box & Whiskers Plot



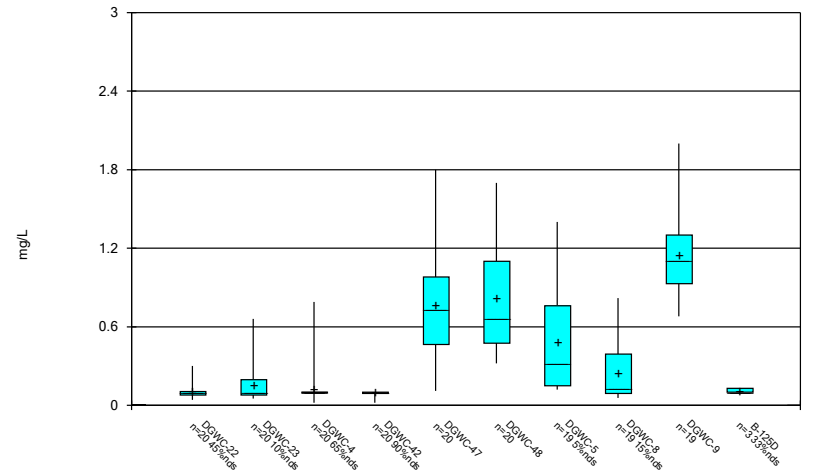
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Box & Whiskers Plot



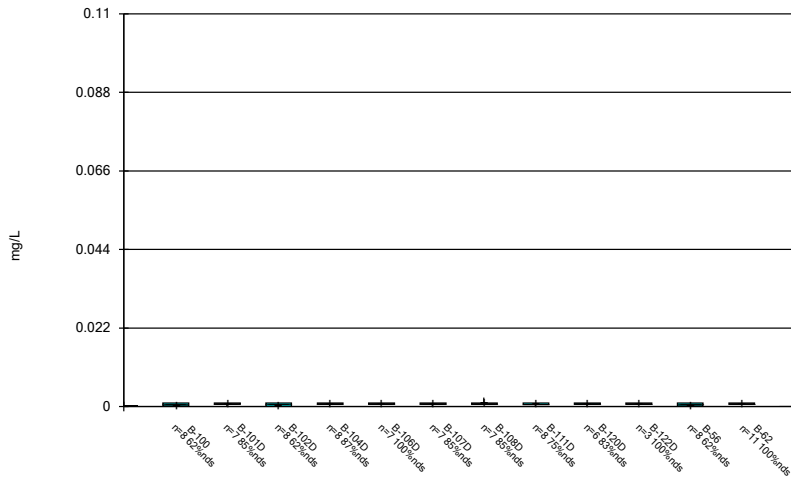
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Box & Whiskers Plot



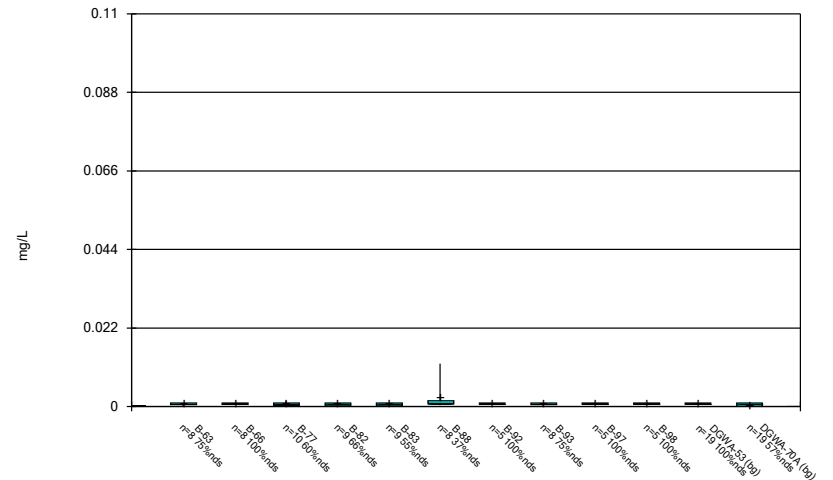
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Box & Whiskers Plot



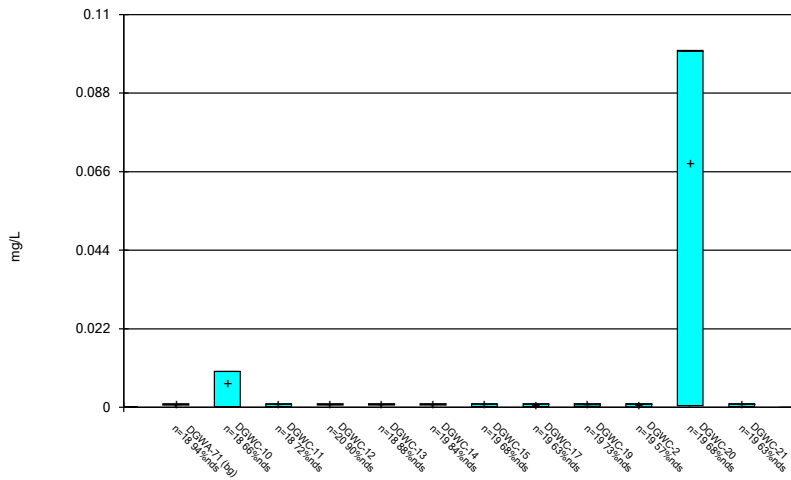
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Box & Whiskers Plot



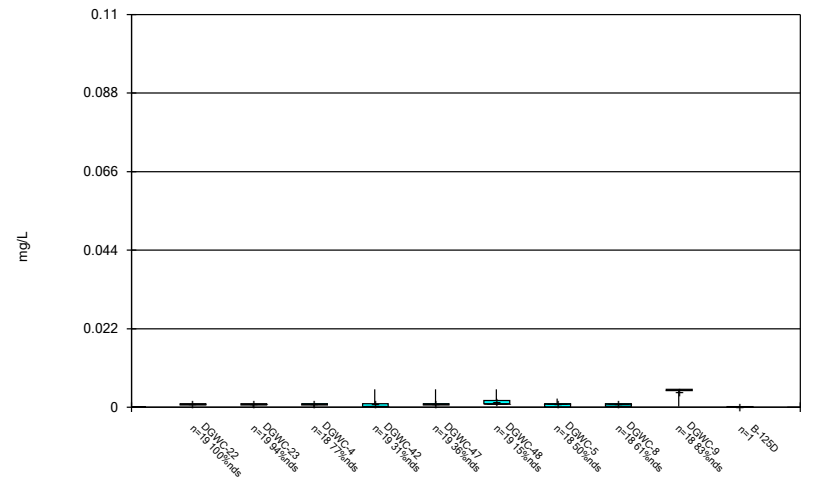
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Box & Whiskers Plot



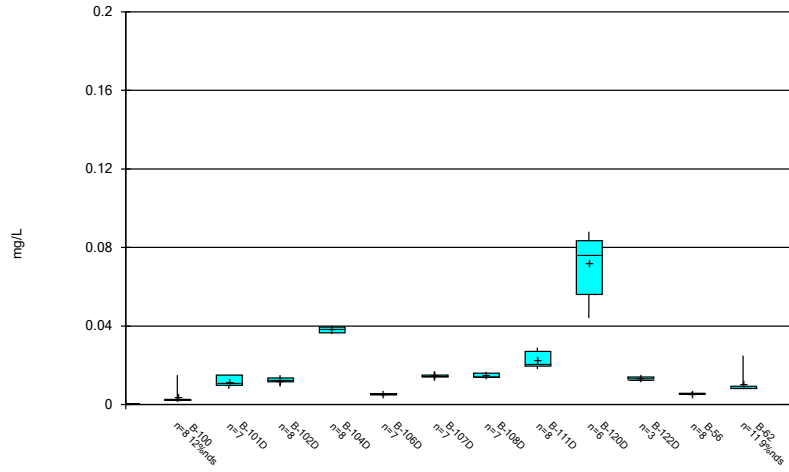
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Box & Whiskers Plot



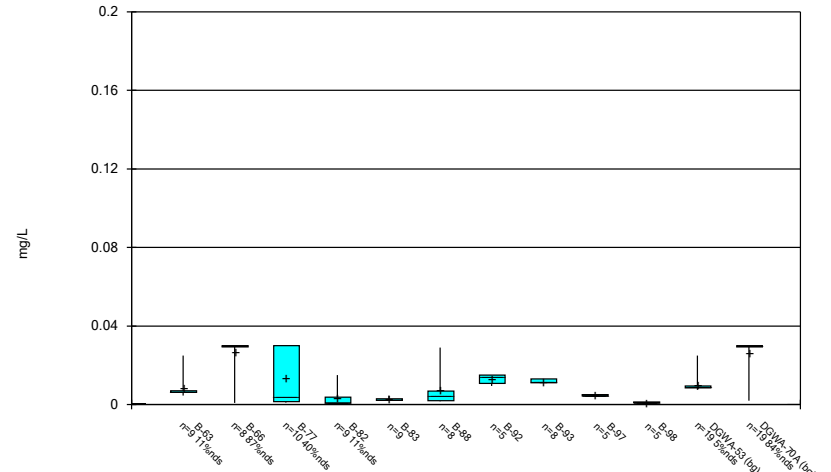
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Box & Whiskers Plot



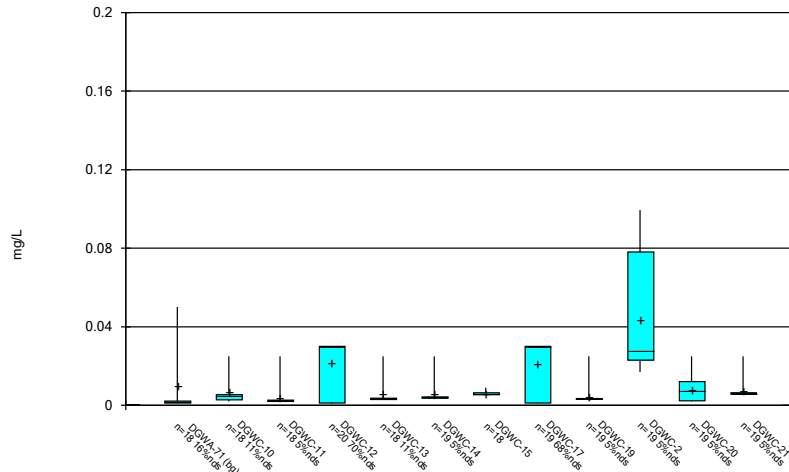
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Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



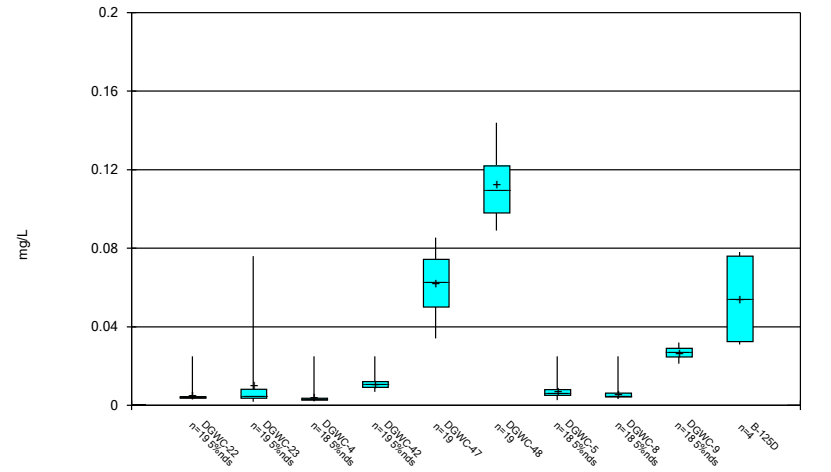
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Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



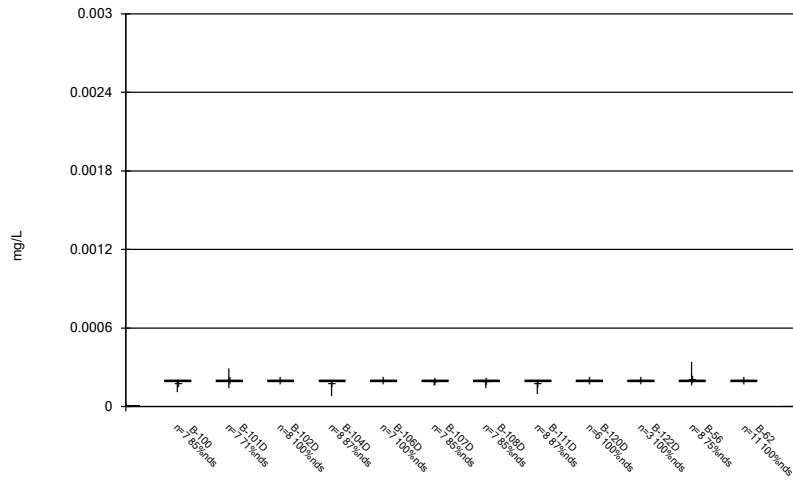
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Box & Whiskers Plot



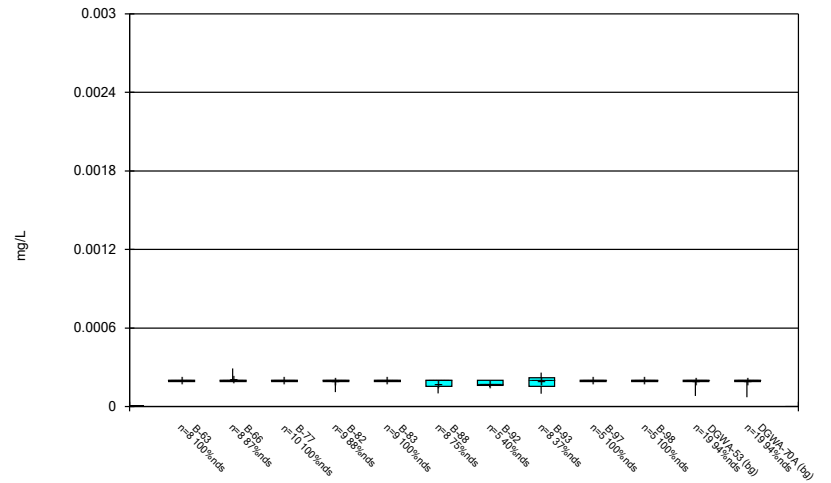
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Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



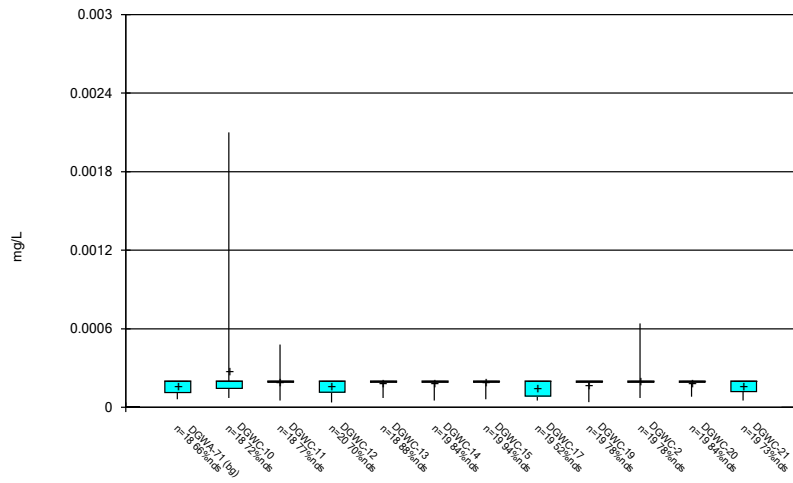
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Box & Whiskers Plot



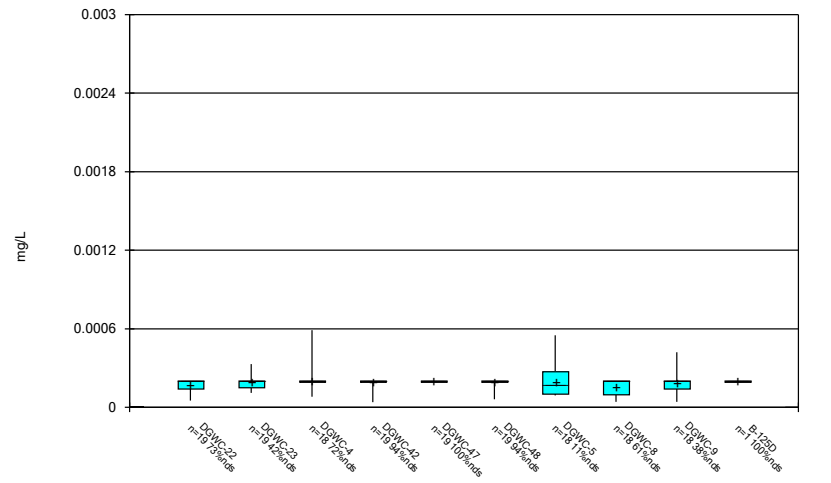
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Box & Whiskers Plot



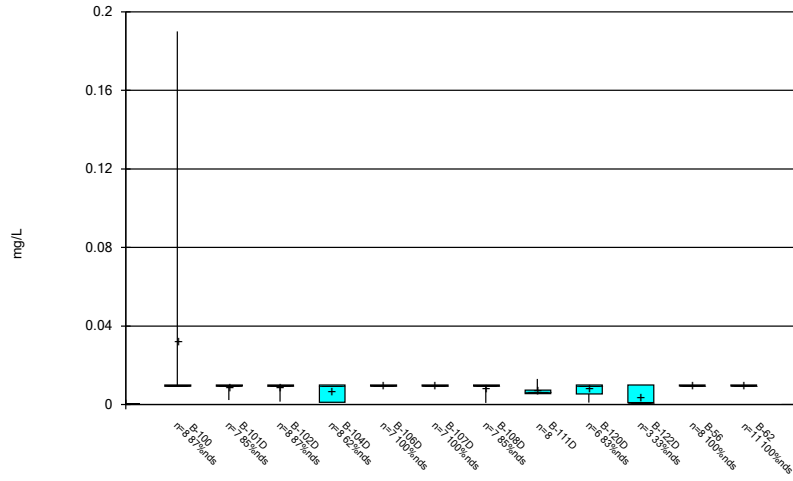
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Box & Whiskers Plot



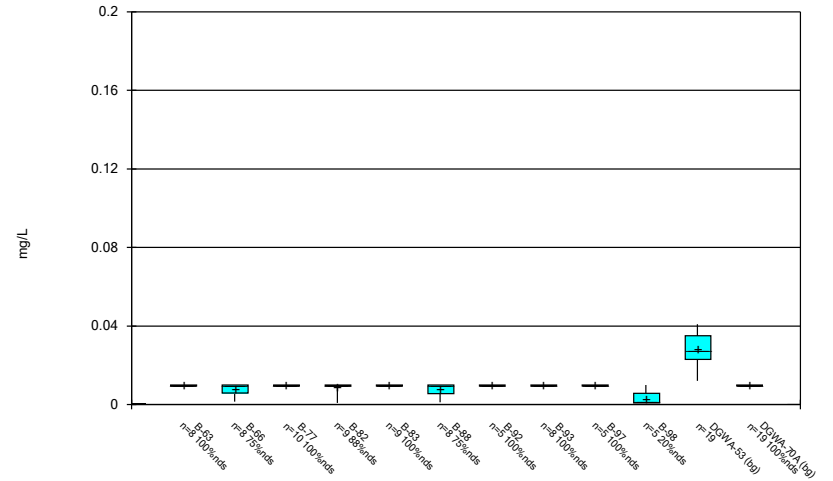
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



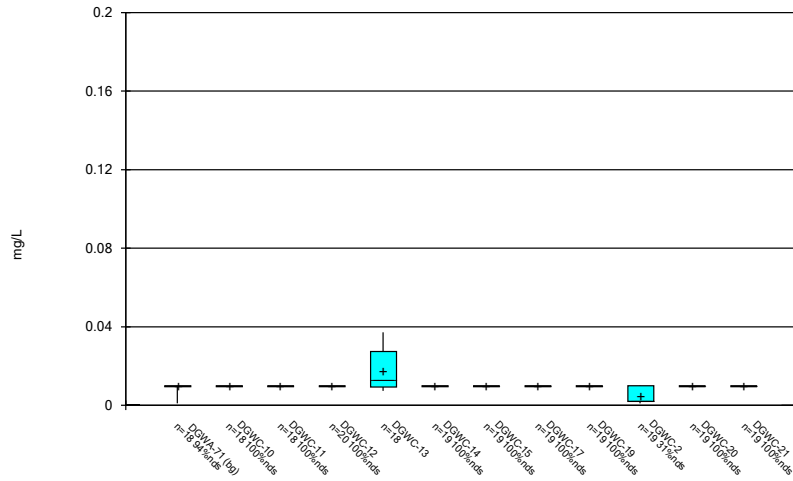
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



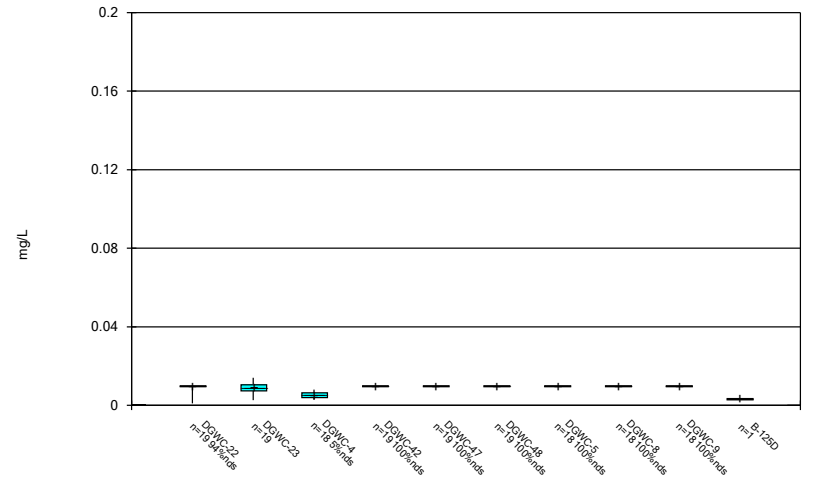
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



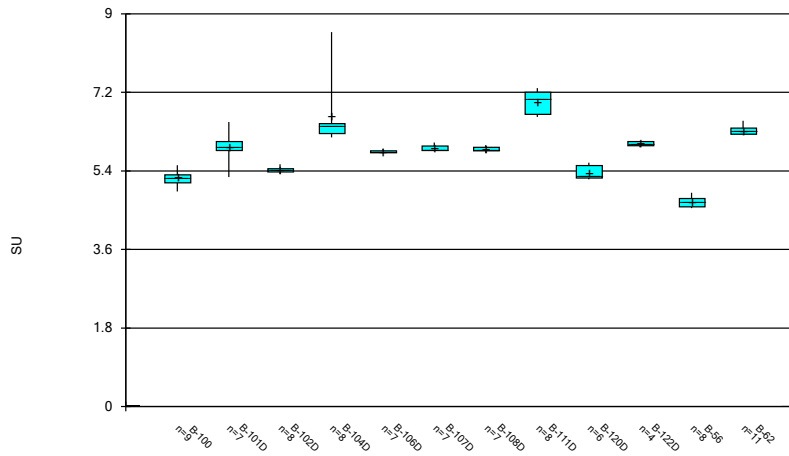
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



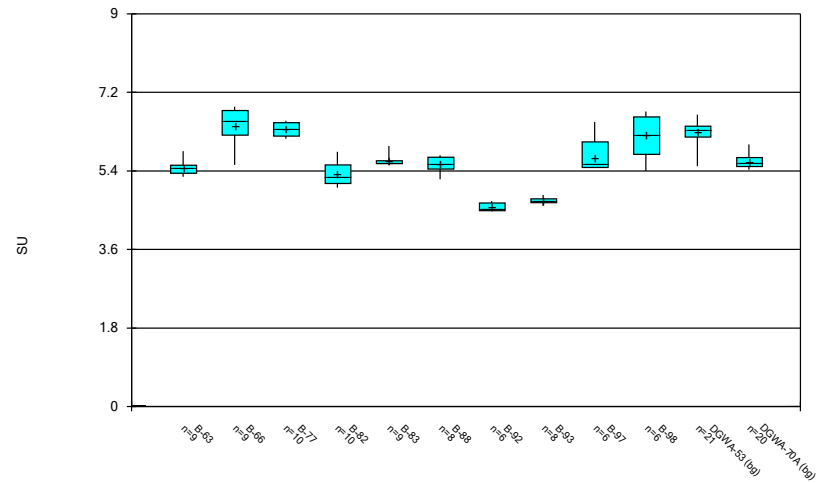
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



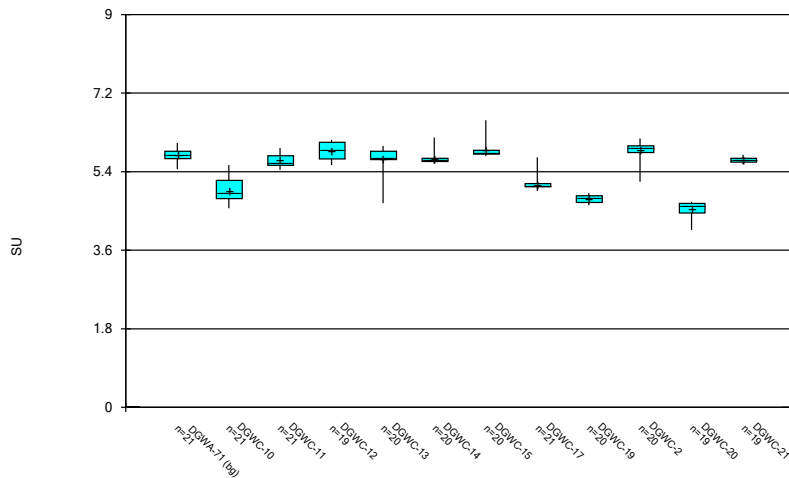
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Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



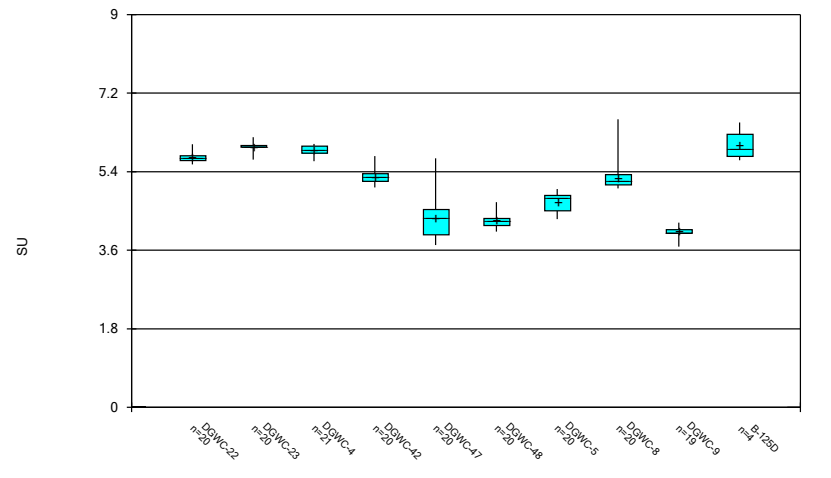
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Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



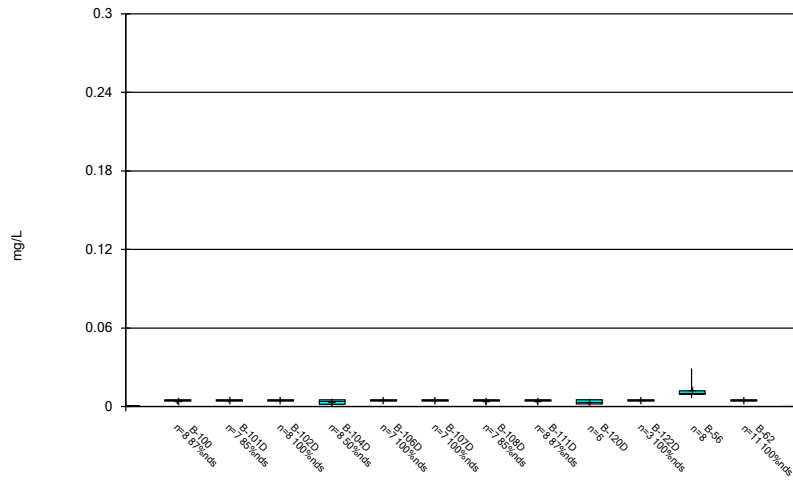
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Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



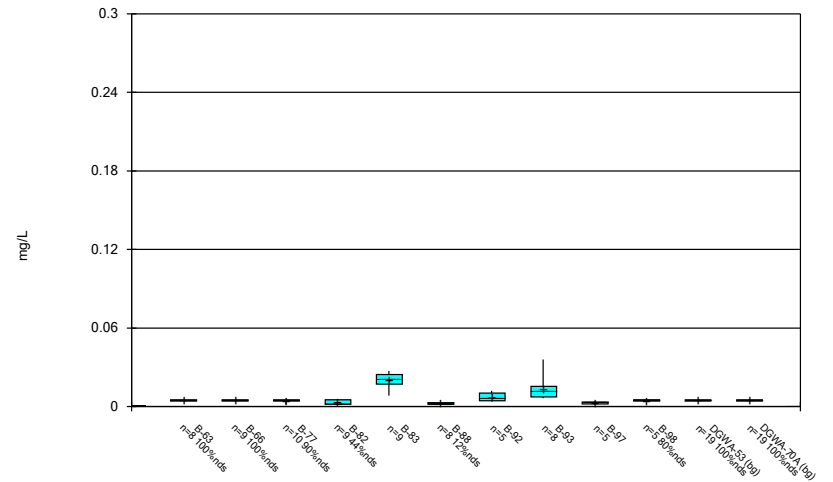
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Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



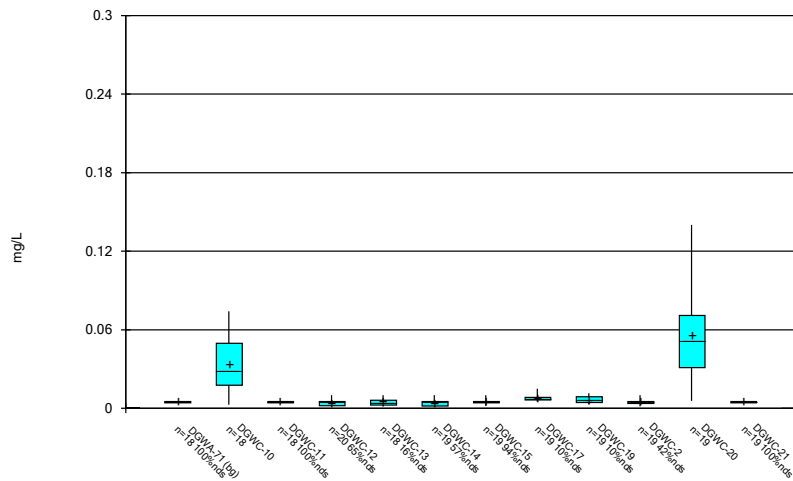
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Box & Whiskers Plot



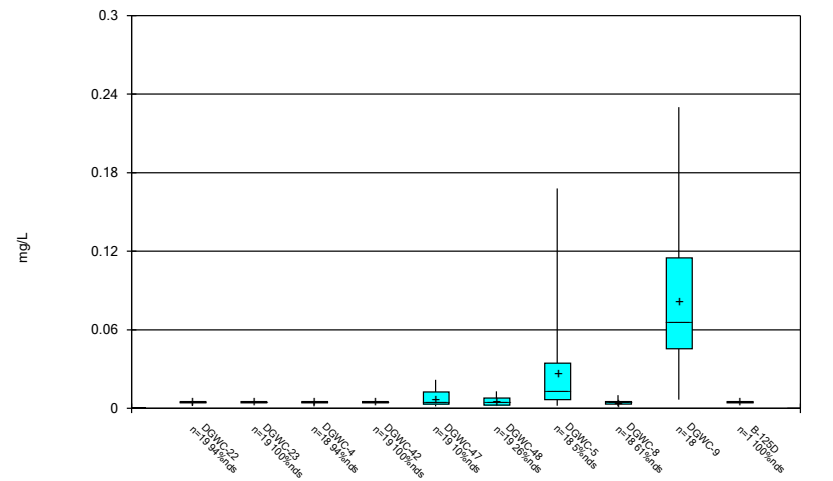
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Box & Whiskers Plot



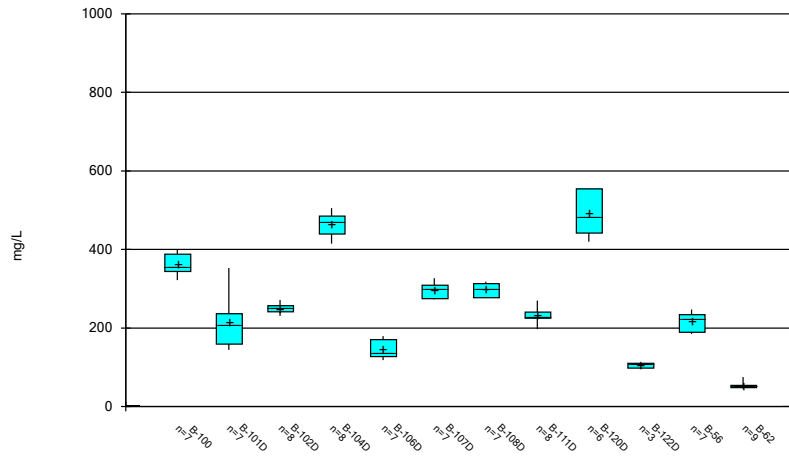
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



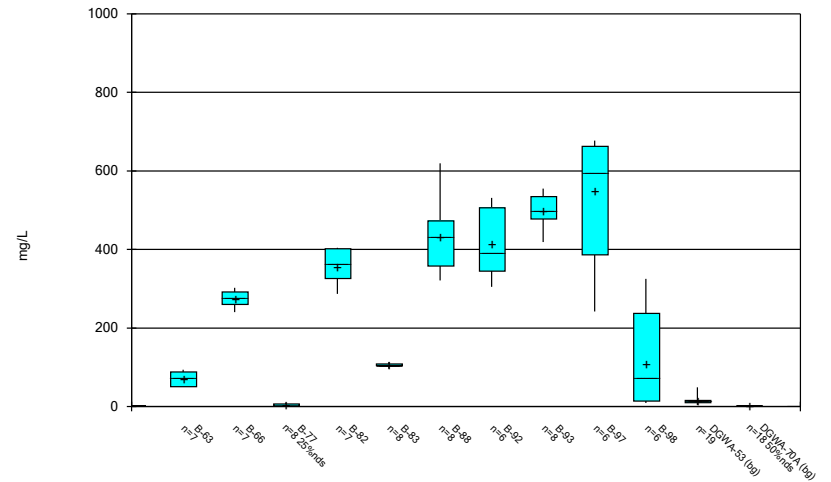
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



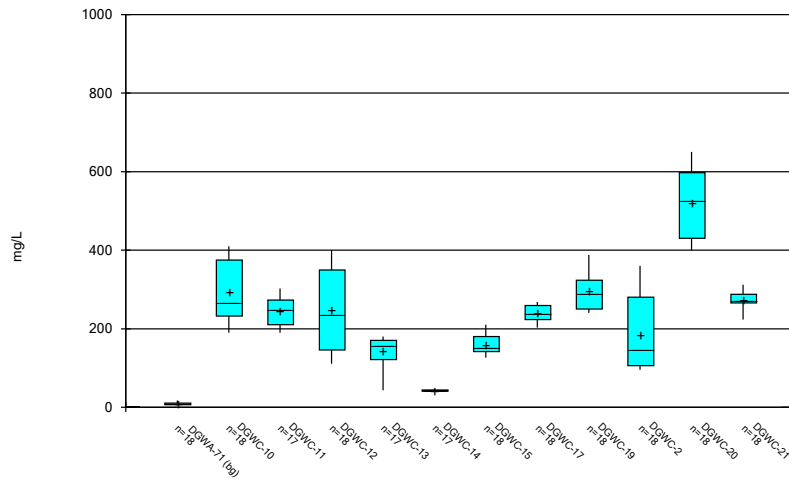
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Box & Whiskers Plot



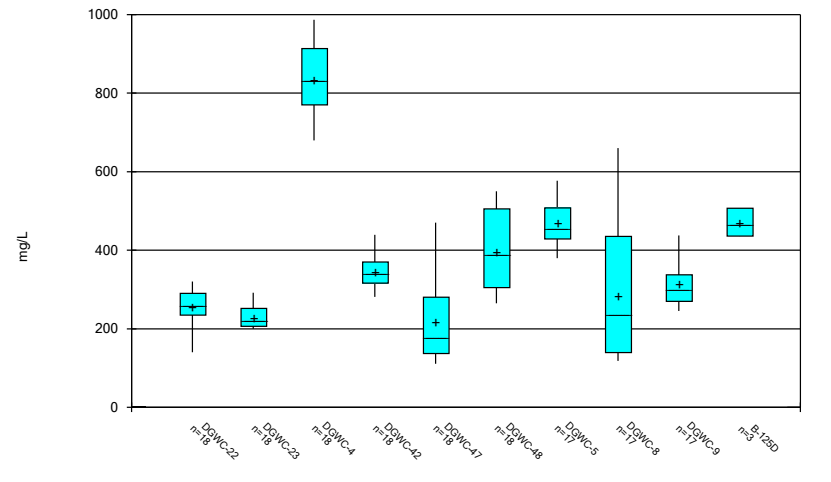
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



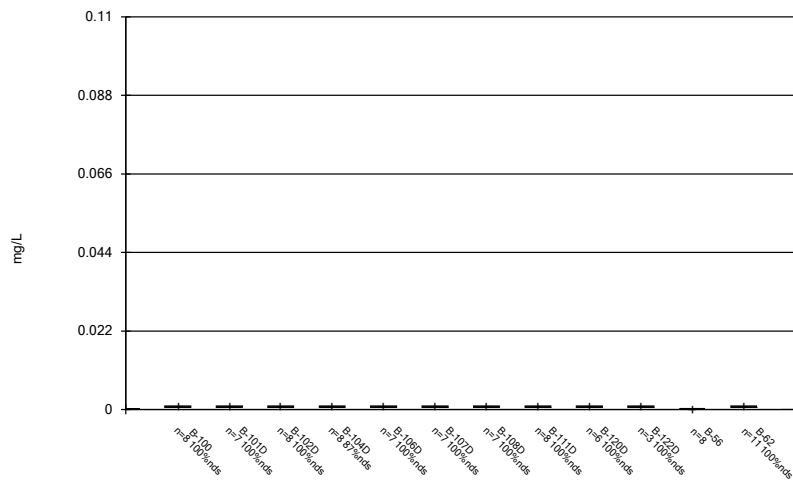
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



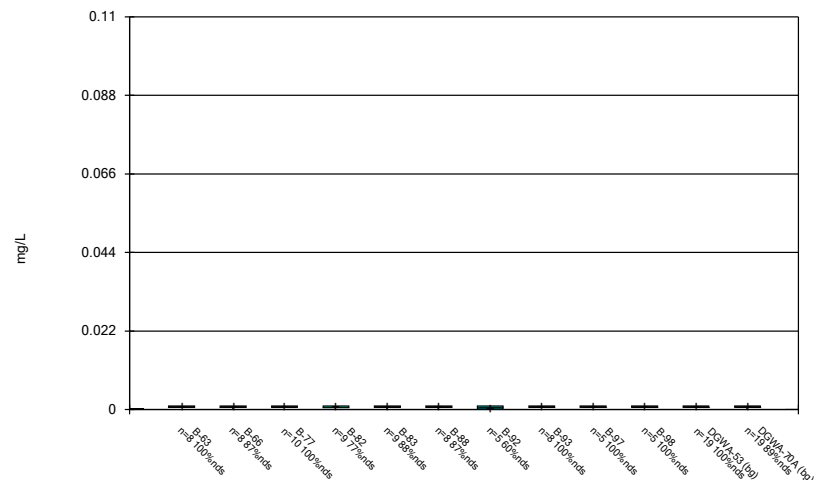
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



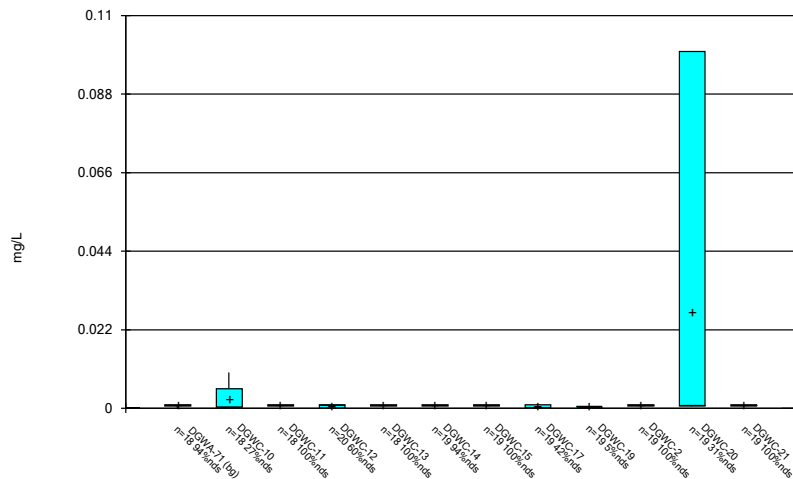
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



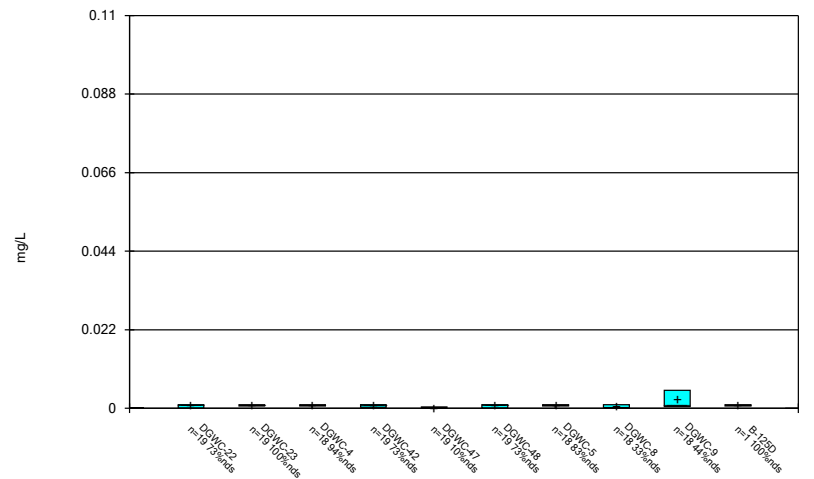
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



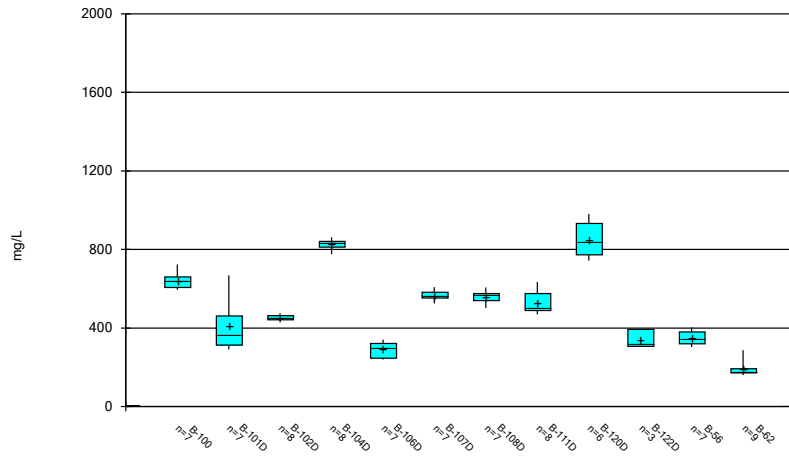
Constituent: Thallium Analysis Run 1/16/2024 2:09 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



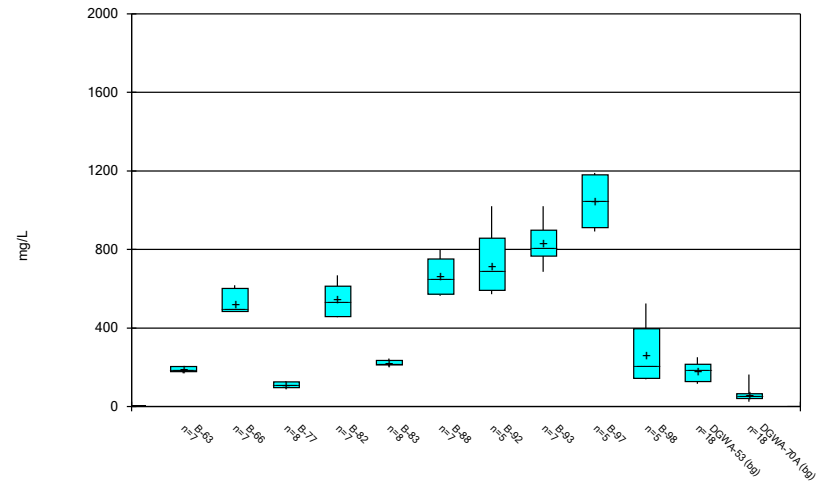
Constituent: Thallium Analysis Run 1/16/2024 2:09 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



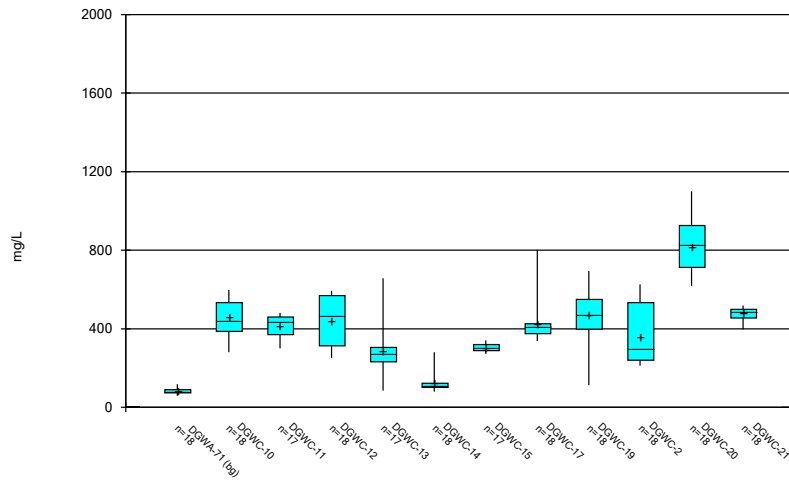
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



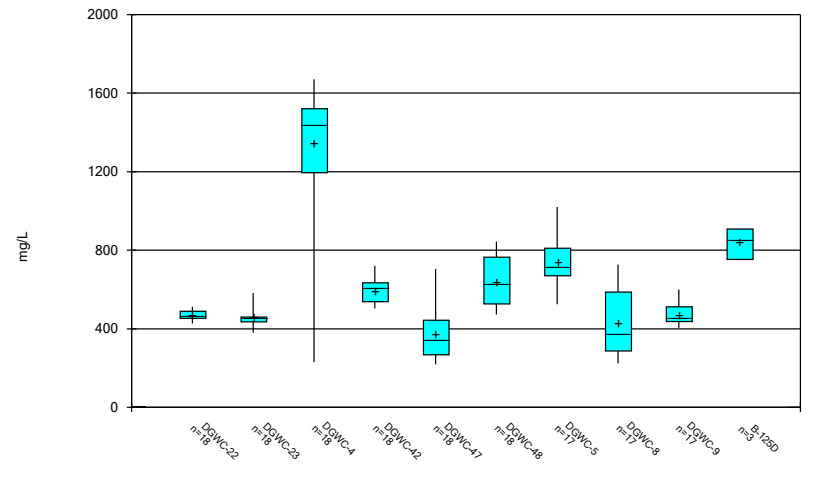
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



Constituent: Total Dissolved Solids [TDS] Analysis Run 1/16/2024 2:09 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



Constituent: Total Dissolved Solids [TDS] Analysis Run 1/16/2024 2:09 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

FIGURE C.

Outlier Summary

Plant McDonough Data: McDonough AP Printed 11/18/2023, 5:09 PM

| | DGWC-5 Barium (mg/L) | DGWC-12 Chloride (mg/L) | DGWA-70A Chromium (mg/L) | DGWA-70A Fluoride (mg/L) | DGWC-15 Lithium (mg/L) | DGWC-14 Sulfate (mg/L) | DGWA-53 Total Dissolved Solids [TDS] (mg/L) | DGWC-15 Total Dissolved Solids [TDS] (mg/L) |
|------------|----------------------|-------------------------|--------------------------|--------------------------|------------------------|------------------------|---|---|
| 8/31/2016 | 0.0266 (O) | | | | | | | |
| 12/7/2016 | | 20 (O) | | | | | | |
| 3/28/2017 | | | 1.2 (O) | | | | | |
| 3/29/2017 | | | | | 81 (O) | | | |
| 7/12/2017 | | | | | | | 490 (O) | |
| 10/24/2017 | | | | | | 671 (O) | | |
| 11/7/2018 | | | | <0.05 (O) | | | | |
| 10/15/2019 | | 0.034 (O) | | | | | | |

FIGURE D.

Appendix III Interwell Prediction Limits - Significant Results

Plant McDonough Data: McDonough AP Printed 2/14/2024, 9:17 AM

| Constituent | Well | Upper Lim. | Lower Lim. | Date | Observ. | Sig. | Bg | NBq | Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|-----------------|---------|------------|------------|-----------|---------|------|----|-----|------|-----------|-------|---------|-----------|-----------|-----------------------------|
| Boron (mg/L) | DGWC-10 | 0.13 | n/a | 9/11/2023 | 0.28 | Yes | 53 | n/a | n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-11 | 0.13 | n/a | 9/8/2023 | 1.7 | Yes | 53 | n/a | n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-12 | 0.13 | n/a | 9/11/2023 | 0.46 | Yes | 53 | n/a | n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-13 | 0.13 | n/a | 9/8/2023 | 0.55 | Yes | 53 | n/a | n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-15 | 0.13 | n/a | 9/8/2023 | 1.4 | Yes | 53 | n/a | n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-17 | 0.13 | n/a | 9/13/2023 | 1 | Yes | 53 | n/a | n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-19 | 0.13 | n/a | 9/8/2023 | 2.2 | Yes | 53 | n/a | n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-2 | 0.13 | n/a | 9/13/2023 | 0.38 | Yes | 53 | n/a | n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-20 | 0.13 | n/a | 9/11/2023 | 2.5 | Yes | 53 | n/a | n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-21 | 0.13 | n/a | 9/11/2023 | 7.1 | Yes | 53 | n/a | n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-22 | 0.13 | n/a | 9/11/2023 | 3.9 | Yes | 53 | n/a | n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-23 | 0.13 | n/a | 9/11/2023 | 4.4 | Yes | 53 | n/a | n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-4 | 0.13 | n/a | 9/13/2023 | 5.1 | Yes | 53 | n/a | n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-42 | 0.13 | n/a | 9/13/2023 | 1.1 | Yes | 53 | n/a | n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-48 | 0.13 | n/a | 9/13/2023 | 0.57 | Yes | 53 | n/a | n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-5 | 0.13 | n/a | 9/13/2023 | 2.8 | Yes | 53 | n/a | n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-8 | 0.13 | n/a | 9/12/2023 | 0.75 | Yes | 53 | n/a | n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-10 | 40.3 | n/a | 9/11/2023 | 72.7 | Yes | 53 | n/a | n/a | n/a | 3.774 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-11 | 40.3 | n/a | 9/8/2023 | 58.6 | Yes | 53 | n/a | n/a | n/a | 3.774 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-19 | 40.3 | n/a | 9/8/2023 | 115 | Yes | 53 | n/a | n/a | n/a | 3.774 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-20 | 40.3 | n/a | 9/11/2023 | 114 | Yes | 53 | n/a | n/a | n/a | 3.774 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-21 | 40.3 | n/a | 9/11/2023 | 88.4 | Yes | 53 | n/a | n/a | n/a | 3.774 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-22 | 40.3 | n/a | 9/11/2023 | 61.2 | Yes | 53 | n/a | n/a | n/a | 3.774 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-23 | 40.3 | n/a | 9/11/2023 | 95.4 | Yes | 53 | n/a | n/a | n/a | 3.774 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-4 | 40.3 | n/a | 9/13/2023 | 279 | Yes | 53 | n/a | n/a | n/a | 3.774 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-48 | 40.3 | n/a | 9/13/2023 | 55 | Yes | 53 | n/a | n/a | n/a | 3.774 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-5 | 40.3 | n/a | 9/13/2023 | 152 | Yes | 53 | n/a | n/a | n/a | 3.774 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-10 | 8.2 | n/a | 9/11/2023 | 10.1 | Yes | 55 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-11 | 8.2 | n/a | 9/8/2023 | 11.2 | Yes | 55 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-13 | 8.2 | n/a | 9/8/2023 | 11.7 | Yes | 55 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-15 | 8.2 | n/a | 9/8/2023 | 20 | Yes | 55 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-17 | 8.2 | n/a | 9/13/2023 | 18.2 | Yes | 55 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-19 | 8.2 | n/a | 9/8/2023 | 15.8 | Yes | 55 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-20 | 8.2 | n/a | 9/11/2023 | 26.9 | Yes | 55 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-21 | 8.2 | n/a | 9/11/2023 | 17.8 | Yes | 55 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-22 | 8.2 | n/a | 9/11/2023 | 16.8 | Yes | 55 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-23 | 8.2 | n/a | 9/11/2023 | 12 | Yes | 55 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-4 | 8.2 | n/a | 9/13/2023 | 9.4 | Yes | 55 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-42 | 8.2 | n/a | 9/13/2023 | 18.4 | Yes | 55 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-5 | 8.2 | n/a | 9/13/2023 | 9.5 | Yes | 55 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-8 | 8.2 | n/a | 9/12/2023 | 9.5 | Yes | 55 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Fluoride (mg/L) | DGWC-10 | 0.42 | n/a | 9/11/2023 | 1.3 | Yes | 60 | n/a | n/a | n/a | 48.33 | n/a | n/a | 0.0005055 | NP Inter (normality) 1 of 2 |
| Fluoride (mg/L) | DGWC-20 | 0.42 | n/a | 9/11/2023 | 1.5 | Yes | 60 | n/a | n/a | n/a | 48.33 | n/a | n/a | 0.0005055 | NP Inter (normality) 1 of 2 |
| Fluoride (mg/L) | DGWC-47 | 0.42 | n/a | 9/12/2023 | 0.51 | Yes | 60 | n/a | n/a | n/a | 48.33 | n/a | n/a | 0.0005055 | NP Inter (normality) 1 of 2 |
| Fluoride (mg/L) | DGWC-48 | 0.42 | n/a | 9/13/2023 | 0.51 | Yes | 60 | n/a | n/a | n/a | 48.33 | n/a | n/a | 0.0005055 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-10 | 6.69 | 5.43 | 9/11/2023 | 4.56 | Yes | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-17 | 6.69 | 5.43 | 9/13/2023 | 5.04 | Yes | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-19 | 6.69 | 5.43 | 9/8/2023 | 4.78 | Yes | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-20 | 6.69 | 5.43 | 9/11/2023 | 4.06 | Yes | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-42 | 6.69 | 5.43 | 9/12/2023 | 5.04 | Yes | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-47 | 6.69 | 5.43 | 9/12/2023 | 3.99 | Yes | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-48 | 6.69 | 5.43 | 9/13/2023 | 4.06 | Yes | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-5 | 6.69 | 5.43 | 9/13/2023 | 4.74 | Yes | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-8 | 6.69 | 5.43 | 9/12/2023 | 5.02 | Yes | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-10 | 49 | n/a | 9/11/2023 | 258 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-11 | 49 | n/a | 9/8/2023 | 256 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-12 | 49 | n/a | 9/11/2023 | 132 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-13 | 49 | n/a | 9/8/2023 | 98.7 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-15 | 49 | n/a | 9/8/2023 | 126 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-17 | 49 | n/a | 9/13/2023 | 255 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-19 | 49 | n/a | 9/8/2023 | 369 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-2 | 49 | n/a | 9/13/2023 | 95.5 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-20 | 49 | n/a | 9/11/2023 | 552 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-21 | 49 | n/a | 9/11/2023 | 268 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-22 | 49 | n/a | 9/11/2023 | 236 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-23 | 49 | n/a | 9/11/2023 | 275 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-4 | 49 | n/a | 9/13/2023 | 852 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-42 | 49 | n/a | 9/13/2023 | 294 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |

Appendix III Interwell Prediction Limits - Significant Results

Plant McDonough Data: McDonough AP Printed 2/14/2024, 9:17 AM

| Constituent | Well | Upper Lim. | Lower Lim. | Date | Observ. | Sig. | Bg | NB | Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|-------------------------------------|---------|------------|------------|-----------|---------|------|----|-------|-------|-----------|------|---------|-----------|--------------------|-----------------------------|
| Sulfate (mg/L) | DGWC-47 | 49 | n/a | 9/12/2023 | 119 | Yes | 55 | n/a | n/a | 16.36 | n/a | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-48 | 49 | n/a | 9/13/2023 | 268 | Yes | 55 | n/a | n/a | 16.36 | n/a | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-5 | 49 | n/a | 9/13/2023 | 576 | Yes | 55 | n/a | n/a | 16.36 | n/a | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-8 | 49 | n/a | 9/12/2023 | 134 | Yes | 55 | n/a | n/a | 16.36 | n/a | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-10 | 262.4 | n/a | 9/11/2023 | 436 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-11 | 262.4 | n/a | 9/8/2023 | 451 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-12 | 262.4 | n/a | 9/11/2023 | 302 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-15 | 262.4 | n/a | 9/8/2023 | 274 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-17 | 262.4 | n/a | 9/13/2023 | 480 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-19 | 262.4 | n/a | 9/8/2023 | 634 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-20 | 262.4 | n/a | 9/11/2023 | 960 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-21 | 262.4 | n/a | 9/11/2023 | 519 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-22 | 262.4 | n/a | 9/11/2023 | 460 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-23 | 262.4 | n/a | 9/11/2023 | 582 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-4 | 262.4 | n/a | 9/13/2023 | 1520 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-42 | 262.4 | n/a | 9/13/2023 | 545 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-48 | 262.4 | n/a | 9/13/2023 | 473 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-5 | 262.4 | n/a | 9/13/2023 | 1020 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |

Appendix III Interwell Prediction Limits - All Results

Plant McDonough Data: McDonough AP Printed 2/14/2024, 9:17 AM

| Constituent | Well | Upper Lim. | Lower Lim. | Date | Observ. | Sig. | Bg | NB | Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|-----------------|---------|------------|------------|-----------|---------|------|----|-----|------|-----------|-------|---------|-----------|-----------|-----------------------------|
| Boron (mg/L) | DGWC-10 | 0.13 | n/a | 9/11/2023 | 0.28 | Yes | 53 | n/a | n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-11 | 0.13 | n/a | 9/8/2023 | 1.7 | Yes | 53 | n/a | n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-12 | 0.13 | n/a | 9/11/2023 | 0.46 | Yes | 53 | n/a | n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-13 | 0.13 | n/a | 9/8/2023 | 0.55 | Yes | 53 | n/a | n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-14 | 0.13 | n/a | 9/8/2023 | 0.11 | No | 53 | n/a | n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-15 | 0.13 | n/a | 9/8/2023 | 1.4 | Yes | 53 | n/a | n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-17 | 0.13 | n/a | 9/13/2023 | 1 | Yes | 53 | n/a | n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-19 | 0.13 | n/a | 9/8/2023 | 2.2 | Yes | 53 | n/a | n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-2 | 0.13 | n/a | 9/13/2023 | 0.38 | Yes | 53 | n/a | n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-20 | 0.13 | n/a | 9/11/2023 | 2.5 | Yes | 53 | n/a | n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-21 | 0.13 | n/a | 9/11/2023 | 7.1 | Yes | 53 | n/a | n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-22 | 0.13 | n/a | 9/11/2023 | 3.9 | Yes | 53 | n/a | n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-23 | 0.13 | n/a | 9/11/2023 | 4.4 | Yes | 53 | n/a | n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-4 | 0.13 | n/a | 9/13/2023 | 5.1 | Yes | 53 | n/a | n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-42 | 0.13 | n/a | 9/13/2023 | 1.1 | Yes | 53 | n/a | n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-47 | 0.13 | n/a | 9/12/2023 | 0.1 | No | 53 | n/a | n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-48 | 0.13 | n/a | 9/13/2023 | 0.57 | Yes | 53 | n/a | n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-5 | 0.13 | n/a | 9/13/2023 | 2.8 | Yes | 53 | n/a | n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Boron (mg/L) | DGWC-8 | 0.13 | n/a | 9/12/2023 | 0.75 | Yes | 53 | n/a | n/a | n/a | 24.53 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-10 | 40.3 | n/a | 9/11/2023 | 72.7 | Yes | 53 | n/a | n/a | n/a | 3.774 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-11 | 40.3 | n/a | 9/8/2023 | 58.6 | Yes | 53 | n/a | n/a | n/a | 3.774 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-12 | 40.3 | n/a | 9/11/2023 | 30.8 | No | 53 | n/a | n/a | n/a | 3.774 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-13 | 40.3 | n/a | 9/8/2023 | 32.7 | No | 53 | n/a | n/a | n/a | 3.774 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-14 | 40.3 | n/a | 9/8/2023 | 12 | No | 53 | n/a | n/a | n/a | 3.774 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-15 | 40.3 | n/a | 9/8/2023 | 34.3 | No | 53 | n/a | n/a | n/a | 3.774 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-17 | 40.3 | n/a | 9/13/2023 | 19.8 | No | 53 | n/a | n/a | n/a | 3.774 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-19 | 40.3 | n/a | 9/8/2023 | 115 | Yes | 53 | n/a | n/a | n/a | 3.774 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-2 | 40.3 | n/a | 9/13/2023 | 33.6 | No | 53 | n/a | n/a | n/a | 3.774 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-20 | 40.3 | n/a | 9/11/2023 | 114 | Yes | 53 | n/a | n/a | n/a | 3.774 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-21 | 40.3 | n/a | 9/11/2023 | 88.4 | Yes | 53 | n/a | n/a | n/a | 3.774 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-22 | 40.3 | n/a | 9/11/2023 | 61.2 | Yes | 53 | n/a | n/a | n/a | 3.774 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-23 | 40.3 | n/a | 9/11/2023 | 95.4 | Yes | 53 | n/a | n/a | n/a | 3.774 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-4 | 40.3 | n/a | 9/13/2023 | 279 | Yes | 53 | n/a | n/a | n/a | 3.774 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-42 | 40.3 | n/a | 9/13/2023 | 33.6 | No | 53 | n/a | n/a | n/a | 3.774 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-47 | 40.3 | n/a | 9/12/2023 | 21.9 | No | 53 | n/a | n/a | n/a | 3.774 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-48 | 40.3 | n/a | 9/13/2023 | 55 | Yes | 53 | n/a | n/a | n/a | 3.774 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-5 | 40.3 | n/a | 9/13/2023 | 152 | Yes | 53 | n/a | n/a | n/a | 3.774 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Calcium (mg/L) | DGWC-8 | 40.3 | n/a | 9/12/2023 | 30 | No | 53 | n/a | n/a | n/a | 3.774 | n/a | n/a | 0.0006476 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-10 | 8.2 | n/a | 9/11/2023 | 10.1 | Yes | 55 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-11 | 8.2 | n/a | 9/8/2023 | 11.2 | Yes | 55 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-12 | 8.2 | n/a | 9/11/2023 | 6.5 | No | 55 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-13 | 8.2 | n/a | 9/8/2023 | 11.7 | Yes | 55 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-14 | 8.2 | n/a | 9/8/2023 | 3.5 | No | 55 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-15 | 8.2 | n/a | 9/8/2023 | 20 | Yes | 55 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-17 | 8.2 | n/a | 9/13/2023 | 18.2 | Yes | 55 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-19 | 8.2 | n/a | 9/8/2023 | 15.8 | Yes | 55 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-2 | 8.2 | n/a | 9/13/2023 | 1.9 | No | 55 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-20 | 8.2 | n/a | 9/11/2023 | 26.9 | Yes | 55 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-21 | 8.2 | n/a | 9/11/2023 | 17.8 | Yes | 55 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-22 | 8.2 | n/a | 9/11/2023 | 16.8 | Yes | 55 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-23 | 8.2 | n/a | 9/11/2023 | 12 | Yes | 55 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-4 | 8.2 | n/a | 9/13/2023 | 9.4 | Yes | 55 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-42 | 8.2 | n/a | 9/13/2023 | 18.4 | Yes | 55 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-47 | 8.2 | n/a | 9/12/2023 | 2.4 | No | 55 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-48 | 8.2 | n/a | 9/13/2023 | 6.5 | No | 55 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-5 | 8.2 | n/a | 9/13/2023 | 9.5 | Yes | 55 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Chloride (mg/L) | DGWC-8 | 8.2 | n/a | 9/12/2023 | 9.5 | Yes | 55 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Fluoride (mg/L) | DGWC-10 | 0.42 | n/a | 9/11/2023 | 1.3 | Yes | 60 | n/a | n/a | n/a | 48.33 | n/a | n/a | 0.0005055 | NP Inter (normality) 1 of 2 |
| Fluoride (mg/L) | DGWC-11 | 0.42 | n/a | 9/8/2023 | 0.1ND | No | 60 | n/a | n/a | n/a | 48.33 | n/a | n/a | 0.0005055 | NP Inter (normality) 1 of 2 |
| Fluoride (mg/L) | DGWC-12 | 0.42 | n/a | 9/11/2023 | 0.13 | No | 60 | n/a | n/a | n/a | 48.33 | n/a | n/a | 0.0005055 | NP Inter (normality) 1 of 2 |
| Fluoride (mg/L) | DGWC-13 | 0.42 | n/a | 9/8/2023 | 0.055J | No | 60 | n/a | n/a | n/a | 48.33 | n/a | n/a | 0.0005055 | NP Inter (normality) 1 of 2 |
| Fluoride (mg/L) | DGWC-14 | 0.42 | n/a | 9/8/2023 | 0.1ND | No | 60 | n/a | n/a | n/a | 48.33 | n/a | n/a | 0.0005055 | NP Inter (normality) 1 of 2 |
| Fluoride (mg/L) | DGWC-15 | 0.42 | n/a | 9/8/2023 | 0.1ND | No | 60 | n/a | n/a | n/a | 48.33 | n/a | n/a | 0.0005055 | NP Inter (normality) 1 of 2 |
| Fluoride (mg/L) | DGWC-17 | 0.42 | n/a | 9/13/2023 | 0.1 | No | 60 | n/a | n/a | n/a | 48.33 | n/a | n/a | 0.0005055 | NP Inter (normality) 1 of 2 |
| Fluoride (mg/L) | DGWC-19 | 0.42 | n/a | 9/8/2023 | 0.17 | No | 60 | n/a | n/a | n/a | 48.33 | n/a | n/a | 0.0005055 | NP Inter (normality) 1 of 2 |
| Fluoride (mg/L) | DGWC-2 | 0.42 | n/a | 9/13/2023 | 0.083J | No | 60 | n/a | n/a | n/a | 48.33 | n/a | n/a | 0.0005055 | NP Inter (normality) 1 of 2 |
| Fluoride (mg/L) | DGWC-20 | 0.42 | n/a | 9/11/2023 | 1.5 | Yes | 60 | n/a | n/a | n/a | 48.33 | n/a | n/a | 0.0005055 | NP Inter (normality) 1 of 2 |
| Fluoride (mg/L) | DGWC-21 | 0.42 | n/a | 9/11/2023 | 0.054J | No | 60 | n/a | n/a | n/a | 48.33 | n/a | n/a | 0.0005055 | NP Inter (normality) 1 of 2 |

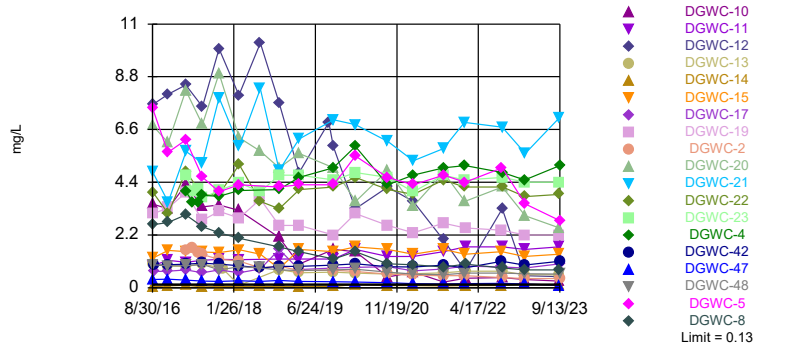
Appendix III Interwell Prediction Limits - All Results

Plant McDonough Data: McDonough AP Printed 2/14/2024, 9:17 AM

| Constituent | Well | Upper Lim. | Lower Lim. | Date | Observ. | Sig. | Bg | NB | Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|--|----------------|--------------|-------------|------------------|-------------|------------|-----------|--------------|--------------|------------|--------------|----------------|------------------|---------------------------|------------------------------------|
| Fluoride (mg/L) | DGWC-22 | 0.42 | n/a | 9/11/2023 | 0.054J | No | 60 | n/a | n/a | n/a | 48.33 | n/a | n/a | 0.0005055 | NP Inter (normality) 1 of 2 |
| Fluoride (mg/L) | DGWC-23 | 0.42 | n/a | 9/11/2023 | 0.1 | No | 60 | n/a | n/a | n/a | 48.33 | n/a | n/a | 0.0005055 | NP Inter (normality) 1 of 2 |
| Fluoride (mg/L) | DGWC-4 | 0.42 | n/a | 9/13/2023 | 0.1ND | No | 60 | n/a | n/a | n/a | 48.33 | n/a | n/a | 0.0005055 | NP Inter (normality) 1 of 2 |
| Fluoride (mg/L) | DGWC-42 | 0.42 | n/a | 9/13/2023 | 0.1ND | No | 60 | n/a | n/a | n/a | 48.33 | n/a | n/a | 0.0005055 | NP Inter (normality) 1 of 2 |
| Fluoride (mg/L) | DGWC-47 | 0.42 | n/a | 9/12/2023 | 0.51 | Yes | 60 | n/a | n/a | n/a | 48.33 | n/a | n/a | 0.0005055 | NP Inter (normality) 1 of 2 |
| Fluoride (mg/L) | DGWC-48 | 0.42 | n/a | 9/13/2023 | 0.51 | Yes | 60 | n/a | n/a | n/a | 48.33 | n/a | n/a | 0.0005055 | NP Inter (normality) 1 of 2 |
| Fluoride (mg/L) | DGWC-5 | 0.42 | n/a | 9/13/2023 | 0.14 | No | 60 | n/a | n/a | n/a | 48.33 | n/a | n/a | 0.0005055 | NP Inter (normality) 1 of 2 |
| Fluoride (mg/L) | DGWC-8 | 0.42 | n/a | 9/12/2023 | 0.091J | No | 60 | n/a | n/a | n/a | 48.33 | n/a | n/a | 0.0005055 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-10 | 6.69 | 5.43 | 9/11/2023 | 4.56 | Yes | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-11 | 6.69 | 5.43 | 9/8/2023 | 5.44 | No | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-12 | 6.69 | 5.43 | 9/11/2023 | 6.1 | No | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-13 | 6.69 | 5.43 | 9/8/2023 | 5.59 | No | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-14 | 6.69 | 5.43 | 9/8/2023 | 5.67 | No | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-15 | 6.69 | 5.43 | 9/8/2023 | 5.81 | No | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-17 | 6.69 | 5.43 | 9/13/2023 | 5.04 | Yes | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-19 | 6.69 | 5.43 | 9/8/2023 | 4.78 | Yes | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-2 | 6.69 | 5.43 | 9/13/2023 | 6.06 | No | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-20 | 6.69 | 5.43 | 9/11/2023 | 4.06 | Yes | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-21 | 6.69 | 5.43 | 9/11/2023 | 5.61 | No | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-22 | 6.69 | 5.43 | 9/11/2023 | 5.57 | No | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-23 | 6.69 | 5.43 | 9/11/2023 | 5.99 | No | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-4 | 6.69 | 5.43 | 9/13/2023 | 5.64 | No | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-42 | 6.69 | 5.43 | 9/12/2023 | 5.04 | Yes | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-47 | 6.69 | 5.43 | 9/12/2023 | 3.99 | Yes | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-48 | 6.69 | 5.43 | 9/13/2023 | 4.06 | Yes | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-5 | 6.69 | 5.43 | 9/13/2023 | 4.74 | Yes | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| pH, Field (SU) | DGWC-8 | 6.69 | 5.43 | 9/12/2023 | 5.02 | Yes | 62 | n/a | n/a | n/a | 0 | n/a | n/a | 0.0009598 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-10 | 49 | n/a | 9/11/2023 | 258 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-11 | 49 | n/a | 9/8/2023 | 256 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-12 | 49 | n/a | 9/11/2023 | 132 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-13 | 49 | n/a | 9/8/2023 | 98.7 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-14 | 49 | n/a | 9/8/2023 | 43.1 | No | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-15 | 49 | n/a | 9/8/2023 | 126 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-17 | 49 | n/a | 9/13/2023 | 255 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-19 | 49 | n/a | 9/8/2023 | 369 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-2 | 49 | n/a | 9/13/2023 | 95.5 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-20 | 49 | n/a | 9/11/2023 | 552 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-21 | 49 | n/a | 9/11/2023 | 268 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-22 | 49 | n/a | 9/11/2023 | 236 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-23 | 49 | n/a | 9/11/2023 | 275 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-4 | 49 | n/a | 9/13/2023 | 852 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-42 | 49 | n/a | 9/13/2023 | 294 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-47 | 49 | n/a | 9/12/2023 | 119 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-48 | 49 | n/a | 9/13/2023 | 268 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-5 | 49 | n/a | 9/13/2023 | 576 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Sulfate (mg/L) | DGWC-8 | 49 | n/a | 9/12/2023 | 134 | Yes | 55 | n/a | n/a | n/a | 16.36 | n/a | n/a | 0.0006069 | NP Inter (normality) 1 of 2 |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-10 | 262.4 | n/a | 9/11/2023 | 436 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-11 | 262.4 | n/a | 9/8/2023 | 451 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-12 | 262.4 | n/a | 9/11/2023 | 302 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-13 | 262.4 | n/a | 9/8/2023 | 217 | No | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-14 | 262.4 | n/a | 9/8/2023 | 156 | No | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-15 | 262.4 | n/a | 9/8/2023 | 274 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-17 | 262.4 | n/a | 9/13/2023 | 480 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-19 | 262.4 | n/a | 9/8/2023 | 634 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-2 | 262.4 | n/a | 9/13/2023 | 212 | No | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-20 | 262.4 | n/a | 9/11/2023 | 960 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-21 | 262.4 | n/a | 9/11/2023 | 519 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-22 | 262.4 | n/a | 9/11/2023 | 460 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-23 | 262.4 | n/a | 9/11/2023 | 582 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-4 | 262.4 | n/a | 9/13/2023 | 1520 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-42 | 262.4 | n/a | 9/13/2023 | 545 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-47 | 262.4 | n/a | 9/12/2023 | 218 | No | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-48 | 262.4 | n/a | 9/13/2023 | 473 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-5 | 262.4 | n/a | 9/13/2023 | 1020 | Yes | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-8 | 262.4 | n/a | 9/12/2023 | 251 | No | 54 | 9.841 | 2.893 | 0 | None | sqrt(x) | 0.0003762 | Param Inter 1 of 2 | |

Exceeds Limit: DGWC-10, DGWC-11, DGWC-12, DGWC-13, DGWC-15, DGWC-17, DGWC-19, DGWC-2, DGWC-20, DGWC-21...

Prediction Limit Interwell Non-parametric

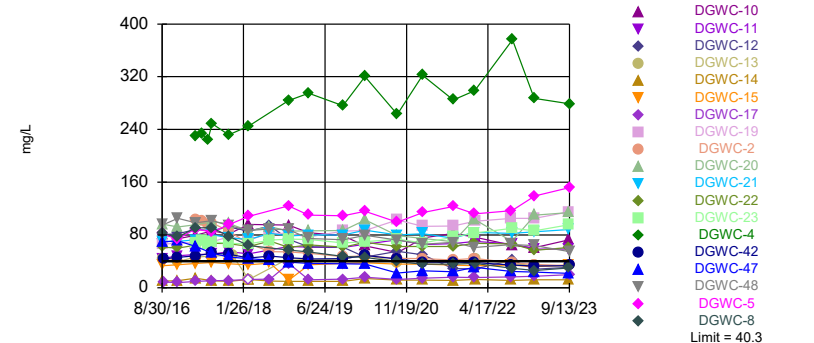


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 53 background values. 24.53% NDs. Annual per-constituent alpha = 0.02558. Individual comparison alpha = 0.0006476 (1 of 2). Comparing 19 points to limit. Assumes 1 future value.

Constituent: Boron Analysis Run 2/14/2024 9:14 AM View: AP 234 Appendix III Plant McDonough Data: McDonough AP

Exceeds Limit: DGWC-10, DGWC-11, DGWC-19, DGWC-20, DGWC-21, DGWC-22, DGWC-23, DGWC-4, DGWC-48, DGWC-5

Prediction Limit Interwell Non-parametric

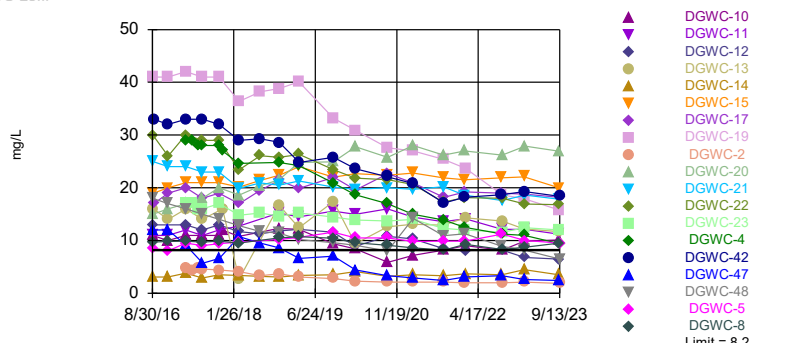


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 53 background values. 3.774% NDs. Annual per-constituent alpha = 0.02558. Individual comparison alpha = 0.0006476 (1 of 2). Comparing 19 points to limit. Assumes 1 future value.

Constituent: Calcium Analysis Run 2/14/2024 9:14 AM View: AP 234 Appendix III Plant McDonough Data: McDonough AP

Exceeds Limit: DGWC-10, DGWC-11, DGWC-13, DGWC-15, DGWC-17, DGWC-19, DGWC-20, DGWC-21, DGWC-22, DGWC-23...

Prediction Limit Interwell Non-parametric

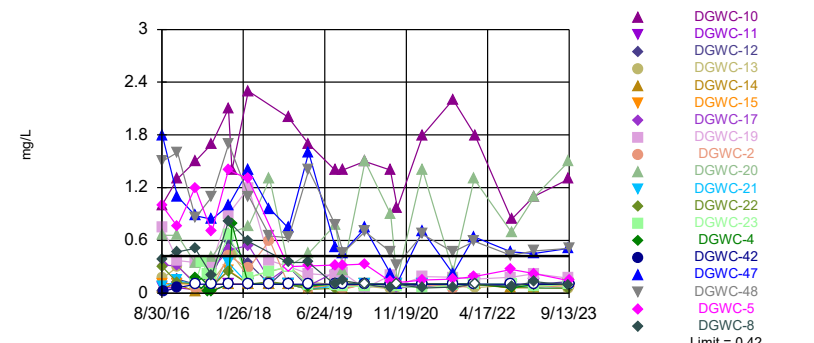


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 55 background values. Annual per-constituent alpha = 0.02399. Individual comparison alpha = 0.0006069 (1 of 2). Comparing 19 points to limit. Assumes 1 future value.

Constituent: Chloride Analysis Run 2/14/2024 9:14 AM View: AP 234 Appendix III Plant McDonough Data: McDonough AP

Exceeds Limit: DGWC-10, DGWC-20, DGWC-47, DGWC-48

Prediction Limit Interwell Non-parametric

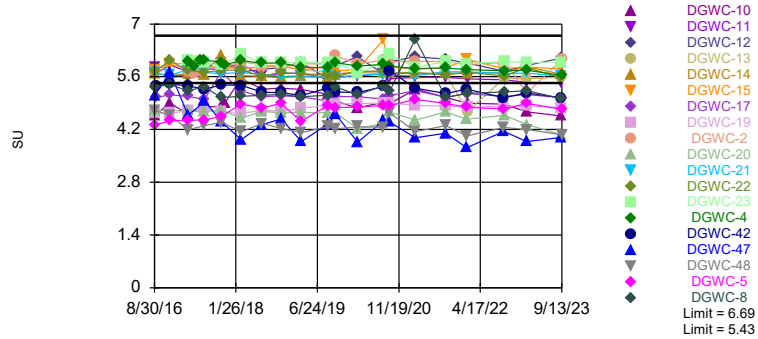


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 60 background values. 48.33% NDs. Annual per-constituent alpha = 0.02002. Individual comparison alpha = 0.0005055 (1 of 2). Comparing 19 points to limit. Assumes 1 future value.

Constituent: Fluoride Analysis Run 2/14/2024 9:14 AM View: AP 234 Appendix III Plant McDonough Data: McDonough AP

Exceeds Limits: DGWC-10, DGWC-17, DGWC-19, DGWC-20, DGWC-42, DGWC-47, DGWC-48, DGWC-5, DGWC-8

Prediction Limit
Interwell Non-parametric

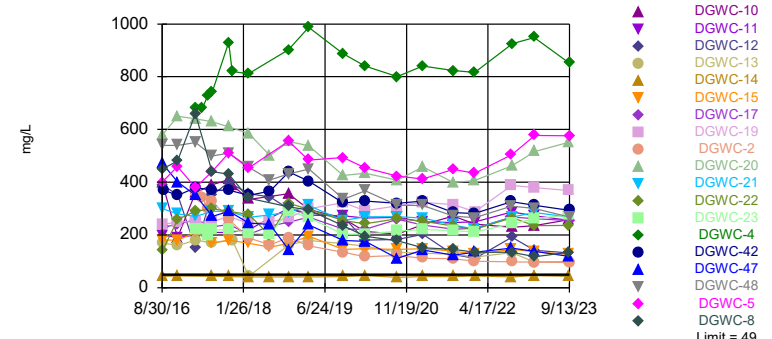


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 62 background values. Annual per-constituent alpha = 0.03804. Individual comparison alpha = 0.0009598 (1 of 2). Comparing 19 points to limit. Assumes 1 future value.

Constituent: pH, Field Analysis Run 2/14/2024 9:14 AM View: AP 234 Appendix III
Plant McDonough Data: McDonough AP

Exceeds Limit: DGWC-10, DGWC-11, DGWC-12, DGWC-13, DGWC-15, DGWC-17, DGWC-19, DGWC-2, DGWC-20, DGWC-21...

Prediction Limit
Interwell Non-parametric

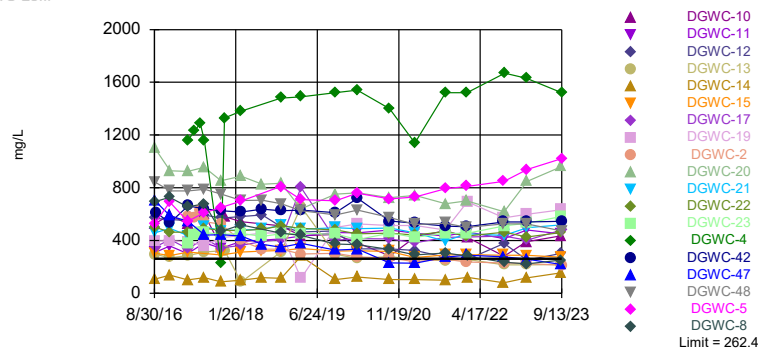


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 55 background values. 16.36% NDs. Annual per-constituent alpha = 0.02399. Individual comparison alpha = 0.0006069 (1 of 2). Comparing 19 points to limit. Assumes 1 future value.

Constituent: Sulfate Analysis Run 2/14/2024 9:14 AM View: AP 234 Appendix III
Plant McDonough Data: McDonough AP

Exceeds Limit: DGWC-10, DGWC-11, DGWC-12, DGWC-15, DGWC-17, DGWC-19, DGWC-20, DGWC-21, DGWC-22, DGWC-23...

Prediction Limit
Interwell Parametric



Background Data Summary (based on square root transformation): Mean=9.841, Std. Dev.=2.893, n=54. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9587, critical = 0.939. Kappa = 2.198 (c=7, w=20, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0003762. Comparing 19 points to limit. Assumes 1 future value.

Constituent: Total Dissolved Solids [TDS] Analysis Run 2/14/2024 9:14 AM View: AP 234 Appendix III
Plant McDonough Data: McDonough AP

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 2/14/2024 9:17 AM View: AP 234 Appendix III
Plant McDonough Data: McDonough AP

| | DGWC-8 | DGWC-10 | DGWC-11 | DGWC-14 | DGWC-5 | DGWC-19 | DGWC-12 | DGWC-47 | DGWC-48 |
|-----------|--------|---------|---------|---------|--------|---------|---------|---------|---------|
| 3/2/2021 | 0.96 | | 1.3 | 0.089 | 4.3 | 2.3 | | | |
| 3/3/2021 | | | | | | | 3.6 | 0.17 | 0.57 |
| 3/4/2021 | | 0.65 | | | | | | | |
| 3/12/2021 | | | | | | | | | |
| 9/8/2021 | | | | | | | | | |
| 9/9/2021 | | | 1.5 | 0.08 | | 2.7 | 2 | | |
| 9/10/2021 | | 0.24 | | | 4.7 | | | 0.16 | 0.55 |
| 9/13/2021 | 0.86 | | | | | | | | |
| 1/18/2022 | | | | | | | | | |
| 1/20/2022 | | | | | | | | | |
| 1/21/2022 | | | | | | | | 0.17 | |
| 1/24/2022 | | | | | 4.4 | | | | 0.61 |
| 1/25/2022 | 0.98 | | 1.7 | 0.097 | | 2.5 | 0.7 | | |
| 1/26/2022 | | 0.4 | | | | | | | |
| 1/28/2022 | | | | | | | | | |
| 9/7/2022 | | | | | | | | | |
| 9/8/2022 | | | | | | | | | |
| 9/13/2022 | | | | 0.091 | | | | 0.18 | 0.61 |
| 9/14/2022 | | | | | 5 | 2.4 | | | |
| 9/15/2022 | 0.83 | 0.42 | 1.7 | | | | 3.3 | | |
| 9/16/2022 | | | | | | | | | |
| 9/19/2022 | | | | | | | | | |
| 9/20/2022 | | | | | | | | | |
| 1/31/2023 | | | | | | | | | |
| 2/1/2023 | | | | 0.16 | | | | | |
| 2/2/2023 | | 0.34 | | | | | | | |
| 2/3/2023 | | | | | | | | 0.16 | 0.59 |
| 2/6/2023 | | | 1.6 | | | 2.2 | 0.51 | | |
| 2/7/2023 | 0.74 | | | | 3.5 | | | | |
| 9/6/2023 | | | | | | | | | |
| 9/7/2023 | | | | | | | | | |
| 9/8/2023 | | | 1.7 | 0.11 | | 2.2 | | | |
| 9/11/2023 | | 0.28 | | | | | 0.46 | | |
| 9/12/2023 | 0.75 | | | | | | | 0.1 | |
| 9/13/2023 | | | | | 2.8 | | | | 0.57 |

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 2/14/2024 9:17 AM View: AP 234 Appendix III
 Plant McDonough Data: McDonough AP

| | DGWC-20 | DGWC-21 | DGWC-22 | DGWC-13 | DGWC-15 | DGWC-42 | DGWC-17 | DGWC-4 | DGWA-70A (bg) |
|------------|---------|---------|---------|---------|---------|---------|---------|--------|---------------|
| 8/30/2016 | | | | | | | | | |
| 8/31/2016 | | | | | | | | | |
| 9/1/2016 | | | | | | | | | |
| 9/2/2016 | 6.77 | 4.81 | 3.99 | | | | | | |
| 9/6/2016 | | | | 1 | 1.25 | | | | |
| 9/7/2016 | | | | | | 0.924 | 0.683 | | |
| 12/6/2016 | | | | | | | | | |
| 12/7/2016 | 6.04 | | | 0.9 | 1.56 | | | | |
| 12/8/2016 | | 3.57 | 3.1 | | | 0.957 | 0.688 | | |
| 3/28/2017 | | | | | | | | 4.01 | 0.0067 (J) |
| 3/29/2017 | 8.23 | | 4.85 | | | | | | |
| 3/30/2017 | | 5.68 | | 0.898 | 1.5 | | 0.743 | | |
| 3/31/2017 | | | | | | 0.989 | | | |
| 5/11/2017 | | | | | | | | | |
| 5/12/2017 | | | | | | | | 3.58 | |
| 5/15/2017 | | | | | | | | | 0.0073 (J) |
| 6/15/2017 | | | | | | | | 3.58 | <0.04 |
| 6/16/2017 | | | | | | | | | |
| 7/11/2017 | | | | | | | | 3.85 | <0.04 |
| 7/12/2017 | 6.81 | 5.2 | | 0.996 | 1.49 | | 0.62 | | |
| 7/13/2017 | | | 3.85 | | | 1.03 | | | |
| 8/8/2017 | | | | | | | | | <0.04 |
| 10/24/2017 | | | | | | | | 3.82 | 0.0082 (J) |
| 10/25/2017 | 8.94 | 7.92 | 3.9 | | 1.47 | 0.982 | 0.739 | | |
| 10/26/2017 | | | | | | | | | |
| 11/15/2017 | | | | 0.795 | | | | | |
| 2/27/2018 | | | | | | | | 4.06 | 0.0062 (J) |
| 2/28/2018 | 6.26 | 5.89 | 5.14 | 0.106 | 1.58 | 0.918 | 0.627 | | |
| 3/1/2018 | | | | | | | | | |
| 3/2/2018 | | | | | | | | | |
| 3/8/2018 | | | | | | | | | |
| 7/11/2018 | 5.7 | 8.3 | | | 1.4 | 0.83 | 0.79 | | |
| 7/12/2018 | | | 3.6 | | | | | | |
| 11/6/2018 | | | | | | | | 4.1 | <0.04 (J) |
| 11/7/2018 | 5 | 4.9 | 3.3 | 0.76 | 0.8 | 0.89 | 1.6 | | |
| 11/8/2018 | | | | | | | | | |
| 3/12/2019 | | | | | | | | 4.6 | 0.0073 (J) |
| 3/13/2019 | 5.6 | 6.2 | | 0.62 | | | 0.76 | | |
| 3/14/2019 | | | 4.1 | | 1.6 | 0.89 | | | |
| 9/17/2019 | | | | | | | | | |
| 10/15/2019 | | | | | | | | 5 | <0.04 |
| 10/16/2019 | | | | 0.65 | | | | | |
| 10/17/2019 | 5 | 7 | | | 1.5 | 0.94 | | | |
| 10/18/2019 | | | 4.2 | | | | 0.82 | | |
| 3/2/2020 | | | | | | | | 5.9 | 0.0055 (J) |
| 3/3/2020 | | 6.8 | 4.6 | 0.61 | 1.7 | | | | |
| 3/4/2020 | 3.6 | | | | | 1 | 0.85 | | |
| 3/9/2020 | | | | | | | | | |
| 9/22/2020 | 4.9 | | | | | 0.88 | | 4.3 | <0.04 |
| 9/23/2020 | | | | 0.57 | 1.6 | | | | |
| 9/24/2020 | | 6.1 | 4.1 | | | | 0.88 | | |
| 3/1/2021 | | | | | | | | 4.7 | <0.04 |

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 2/14/2024 9:17 AM View: AP 234 Appendix III
 Plant McDonough Data: McDonough AP

| | DGWC-20 | DGWC-21 | DGWC-22 | DGWC-13 | DGWC-15 | DGWC-42 | DGWC-17 | DGWC-4 | DGWA-70A (bg) |
|-----------|---------|---------|---------|---------|---------|---------|---------|--------|---------------|
| 3/2/2021 | 3.4 | | | 0.58 | 1.4 | | | | |
| 3/3/2021 | | 5.3 | 3.9 | | | 0.87 | 0.71 | | |
| 3/4/2021 | | | | | | | | | |
| 3/12/2021 | | | | | | | | | |
| 9/8/2021 | | | | | | | | | |
| 9/9/2021 | | 5.8 | | 0.62 | 1.6 | | | | <0.04 |
| 9/10/2021 | 4.8 | | 4.5 | | | | | 5 | |
| 9/13/2021 | | | | | | 0.95 | 0.78 | | |
| 1/18/2022 | | | | | | | | | 0.024 (J) |
| 1/20/2022 | | 6.9 | 4.2 | | | 0.83 | | | |
| 1/21/2022 | 3.6 | | | | | | | | |
| 1/24/2022 | | | | | 1.4 | | 0.9 | 5.1 | |
| 1/25/2022 | | | | 0.69 | | | | | |
| 1/26/2022 | | | | | | | | | |
| 1/28/2022 | | | | | | | | | |
| 9/7/2022 | | | | | | | | | <0.04 |
| 9/8/2022 | | | | | | | | | |
| 9/13/2022 | | | | | 1.5 | 1.1 | | | |
| 9/14/2022 | | | | | | | 0.87 | | |
| 9/15/2022 | 4.2 | 6.7 | | 0.69 | | | | | |
| 9/16/2022 | | | 4.2 | | | | | | |
| 9/19/2022 | | | | | | | | 4.8 | |
| 9/20/2022 | | | | | | | | | |
| 1/31/2023 | | | | | | | | | 0.011 (J) |
| 2/1/2023 | | | | 0.54 | | 0.94 | | | |
| 2/2/2023 | | | | | 1.3 | | | | |
| 2/3/2023 | | | | | | | | 4.5 | |
| 2/6/2023 | | | 3.8 | | | | 0.83 | | |
| 2/7/2023 | 3 | 5.6 | | | | | | | |
| 9/6/2023 | | | | | | | | | 0.012 (J) |
| 9/7/2023 | | | | | | | | | |
| 9/8/2023 | | | | 0.55 | 1.4 | | | | |
| 9/11/2023 | 2.5 | 7.1 | 3.9 | | | | | | |
| 9/12/2023 | | | | | | | | | |
| 9/13/2023 | | | | | | 1.1 | 1 | 5.1 | |

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 2/14/2024 9:17 AM View: AP 234 Appendix III
 Plant McDonough Data: McDonough AP

| | DGWA-71 (bg) | DGWA-53 (bg) | DGWC-2 | DGWC-23 |
|------------|--------------|--------------|--------|---------|
| 8/30/2016 | | | | |
| 8/31/2016 | | | | |
| 9/1/2016 | | | | |
| 9/2/2016 | | | | |
| 9/6/2016 | | | | |
| 9/7/2016 | | | | |
| 12/6/2016 | | | | |
| 12/7/2016 | | | | |
| 12/8/2016 | | | | |
| 3/28/2017 | 0.0097 (J) | 0.0612 | | |
| 3/29/2017 | | | | |
| 3/30/2017 | | | 1.56 | 4.68 |
| 3/31/2017 | | | | |
| 5/11/2017 | | 0.0805 | 1.65 | |
| 5/12/2017 | 0.0082 (J) | | | 4.03 |
| 5/15/2017 | | | | |
| 6/15/2017 | | 0.0725 | 1.44 | 4.11 |
| 6/16/2017 | 0.0085 (J) | | | |
| 7/11/2017 | 0.0077 (J) | | 1.39 | |
| 7/12/2017 | | 0.0735 | | 3.74 |
| 7/13/2017 | | | | |
| 8/8/2017 | | | | |
| 10/24/2017 | 0.0083 (J) | 0.077 | 1.18 | |
| 10/25/2017 | | | | |
| 10/26/2017 | | | | 4.07 |
| 11/15/2017 | | | | |
| 2/27/2018 | 0.0069 (J) | | 1.12 | |
| 2/28/2018 | | | | |
| 3/1/2018 | | | | 4.37 |
| 3/2/2018 | | | | |
| 3/8/2018 | | 0.13 (J) | | |
| 7/11/2018 | | | 0.82 | |
| 7/12/2018 | | 0.076 | | 4 |
| 11/6/2018 | <0.04 (J) | | 0.9 | |
| 11/7/2018 | | 0.073 | | |
| 11/8/2018 | | | | 4.7 |
| 3/12/2019 | 0.0068 (J) | | 0.72 | |
| 3/13/2019 | | 0.08 | | |
| 3/14/2019 | | | | 4.7 |
| 9/17/2019 | | | | |
| 10/15/2019 | 0.0054 (J) | | | |
| 10/16/2019 | | 0.059 | | |
| 10/17/2019 | | | 0.73 | |
| 10/18/2019 | | | | 4.5 |
| 3/2/2020 | 0.01 (J) | | | |
| 3/3/2020 | | | 0.68 | |
| 3/4/2020 | | | | 4.8 |
| 3/9/2020 | | 0.08 (J) | | |
| 9/22/2020 | <0.04 | 0.056 (J) | | |
| 9/23/2020 | | | 0.57 | |
| 9/24/2020 | | | | 4.6 |
| 3/1/2021 | 0.0054 (J) | | | |

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 2/14/2024 9:17 AM View: AP 234 Appendix III
Plant McDonough Data: McDonough AP

| | DGWA-71 (bg) | DGWA-53 (bg) | DGWC-2 | DGWC-23 |
|-----------|--------------|--------------|--------|---------|
| 3/2/2021 | | | 0.52 | |
| 3/3/2021 | | | | 4 |
| 3/4/2021 | | | | |
| 3/12/2021 | | 0.064 | | |
| 9/8/2021 | <0.04 | | | |
| 9/9/2021 | | 0.065 | 0.51 | 4.7 |
| 9/10/2021 | | | | |
| 9/13/2021 | | | | |
| 1/18/2022 | 0.015 (J) | | | |
| 1/20/2022 | | | 0.5 | 4.5 |
| 1/21/2022 | | | | |
| 1/24/2022 | | | | |
| 1/25/2022 | | | | |
| 1/26/2022 | | | | |
| 1/28/2022 | | 0.062 | | |
| 9/7/2022 | <0.04 | | | |
| 9/8/2022 | | 0.054 | | |
| 9/13/2022 | | | | |
| 9/14/2022 | | | | |
| 9/15/2022 | | | | |
| 9/16/2022 | | | | |
| 9/19/2022 | | | | |
| 9/20/2022 | | | 0.42 | 4.6 |
| 1/31/2023 | 0.0097 (J) | | | |
| 2/1/2023 | | 0.051 | | |
| 2/2/2023 | | | | |
| 2/3/2023 | | | | |
| 2/6/2023 | | | 0.38 | 4.4 |
| 2/7/2023 | | | | |
| 9/6/2023 | 0.015 (J) | | | |
| 9/7/2023 | | 0.052 | | |
| 9/8/2023 | | | | |
| 9/11/2023 | | | | 4.4 |
| 9/12/2023 | | | | |
| 9/13/2023 | | | 0.38 | |

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 2/14/2024 9:17 AM View: AP 234 Appendix III

Plant McDonough Data: McDonough AP

| | DGWC-8 | DGWC-10 | DGWC-11 | DGWC-14 | DGWC-5 | DGWC-12 | DGWC-19 | DGWC-48 | DGWC-47 |
|------------|--------|---------|---------|---------|--------|---------|---------|---------|---------|
| 8/30/2016 | 82.7 | | | | | | | | |
| 8/31/2016 | | 81.7 | 44.2 | 9.95 | 82.6 | | | | |
| 9/1/2016 | | | | | | 80.6 | 65.6 | 95.1 | 69.3 |
| 9/2/2016 | | | | | | | | | |
| 9/6/2016 | | | | | | | | | |
| 9/7/2016 | | | | | | | | | |
| 12/6/2016 | 76.8 | 74.2 | 48.3 | 10.4 | 73.9 | | | | |
| 12/7/2016 | | | | | | 82.1 | 68.3 | | |
| 12/8/2016 | | | | | | | | 105 | 71.1 |
| 3/28/2017 | | | | | 89.1 | | | | |
| 3/29/2017 | 90.5 | 79.5 | 50.5 | 14.4 | | 88.3 | 68 | | |
| 3/30/2017 | | | | | | | | 98.6 | |
| 3/31/2017 | | | | | | | | | 62.6 |
| 5/11/2017 | | | | | | | | | |
| 5/12/2017 | | | | | | | | | |
| 5/15/2017 | | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 6/16/2017 | | | | | | | | | |
| 7/11/2017 | 91.1 | | | | 84.6 | | | | |
| 7/12/2017 | | 86.3 | 50.8 | 10.5 | | 87 | 70 | | |
| 7/13/2017 | | | | | | | | 102 | 52.5 |
| 8/8/2017 | | | | | | | | | |
| 10/24/2017 | 78.1 | 81.5 | 55 | | | | | | |
| 10/25/2017 | | | | 9.67 | 95.6 | 92.1 | 77 | | |
| 10/26/2017 | | | | | | | | 94 | 46.7 |
| 11/15/2017 | | | | | | | | | |
| 2/27/2018 | 64.2 | 96.2 | 51.4 | <25 | 108 | 85.6 | | | |
| 2/28/2018 | | | | | | | 72 | | |
| 3/1/2018 | | | | | | | | | 44.2 |
| 3/2/2018 | | | | | | | | 86.6 | |
| 3/8/2018 | | | | | | | | | |
| 7/11/2018 | | | | 9.9 | | 93.6 | 82.7 | | |
| 7/12/2018 | | | | | | | | 89.1 | 41.6 |
| 11/6/2018 | 57 | 94.8 | 62.6 | | 124 | | | | |
| 11/7/2018 | | | | 9.7 | | 73.3 | 81.7 | 88 | 38.6 |
| 11/8/2018 | | | | | | | | | |
| 3/12/2019 | 54.3 | 83.5 | 61.4 | | 110 | 62.1 | | | |
| 3/13/2019 | | | | 9.7 | | | 76.9 | | |
| 3/14/2019 | | | | | | | | 74.6 | 36.6 |
| 10/15/2019 | | 79.1 | 61.2 | | | 61.4 | | | |
| 10/16/2019 | 47.3 | | | 9.4 | 109 | | 85.7 | | |
| 10/17/2019 | | | | | | | | | 36.2 |
| 10/18/2019 | | | | | | | | 72.7 | |
| 3/2/2020 | | | 65.8 | | 116 | 46.5 | | | |
| 3/3/2020 | 46 | 63.6 | | 14 | | | 86.8 | | |
| 3/4/2020 | | | | | | | | 79.7 | 36 |
| 3/9/2020 | | | | | | | | | |
| 9/22/2020 | | | 72.7 | 11.6 | 99.2 | 55.4 | 103 | | |
| 9/23/2020 | 39.3 | | | | | | | 72.2 | 22.3 |
| 9/24/2020 | | 53.1 | | | | | | | |
| 3/1/2021 | | | | | | | | | |
| 3/2/2021 | 35.6 | | 65.3 | 11.4 | 114 | | 93.2 | | |

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 2/14/2024 9:17 AM View: AP 234 Appendix III
 Plant McDonough Data: McDonough AP

| | DGWC-8 | DGWC-10 | DGWC-11 | DGWC-14 | DGWC-5 | DGWC-12 | DGWC-19 | DGWC-48 | DGWC-47 |
|-----------|--------|---------|---------|---------|--------|---------|---------|---------|---------|
| 3/3/2021 | | | | | | 50.1 | | 66 | 25.5 |
| 3/4/2021 | | 75.8 | | | | | | | |
| 3/12/2021 | | | | | | | | | |
| 9/8/2021 | | | | | | | | | |
| 9/9/2021 | | | 66.8 | 11.1 | | 29.2 | 93.6 | | |
| 9/10/2021 | | 82.4 | | | 123 | | | 68.7 | 24.4 |
| 9/13/2021 | 36 | | | | | | | | |
| 1/18/2022 | | | | | | | | | |
| 1/20/2022 | | | | | | | | | |
| 1/21/2022 | | | | | | | | | 31 |
| 1/24/2022 | | | | | 112 | | | 61.2 | |
| 1/25/2022 | 36.8 | | 70.2 | 12.4 | | 28.5 | 101 | | |
| 1/26/2022 | | 76.8 | | | | | | | |
| 1/28/2022 | | | | | | | | | |
| 9/7/2022 | | | | | | | | | |
| 9/8/2022 | | | | | | | | | |
| 9/13/2022 | | | | 11.2 | | | | 65.3 | 24.8 |
| 9/14/2022 | | | | | 117 | | 105 | | |
| 9/15/2022 | 29.3 | 64.4 | 66.6 | | | 41.5 | | | |
| 9/16/2022 | | | | | | | | | |
| 9/19/2022 | | | | | | | | | |
| 9/20/2022 | | | | | | | | | |
| 1/31/2023 | | | | | | | | | |
| 2/1/2023 | | | | 11.9 | | | | | |
| 2/2/2023 | | 60.8 | | | | | | | |
| 2/3/2023 | | | | | | | | | |
| 2/6/2023 | | | 58.8 | | | 28.3 | 105 | 64.1 | 23.7 |
| 2/7/2023 | 26 | | | | 139 | | | | |
| 9/6/2023 | | | | | | | | | |
| 9/7/2023 | | | | | | | | | |
| 9/8/2023 | | | 58.6 | 12 | | | 115 | | |
| 9/11/2023 | | 72.7 | | | | 30.8 | | | |
| 9/12/2023 | 30 | | | | | | | | 21.9 |
| 9/13/2023 | | | | | 152 | | | 55 | |

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 2/14/2024 9:17 AM View: AP 234 Appendix III
 Plant McDonough Data: McDonough AP

| | DGWC-21 | DGWC-22 | DGWC-20 | DGWC-13 | DGWC-15 | DGWC-17 | DGWC-42 | DGWA-53 (bg) | DGWC-4 |
|------------|---------|---------|---------|---------|---------|----------|---------|--------------|--------|
| 8/30/2016 | | | | | | | | | |
| 8/31/2016 | | | | | | | | | |
| 9/1/2016 | | | | | | | | | |
| 9/2/2016 | 70.2 | 61.6 | 96.3 | | | | | | |
| 9/6/2016 | | | | 44 | 33.6 | | | | |
| 9/7/2016 | | | | | | 8.61 | 43.6 | | |
| 12/6/2016 | | | | | | | | | |
| 12/7/2016 | | | 91.9 | 39.8 | 34.7 | | | | |
| 12/8/2016 | 70.1 | 60.1 | | | | 7.92 | 45.8 | | |
| 3/28/2017 | | | | | | | | 30.8 | 229 |
| 3/29/2017 | | 64.7 | 95.7 | | | | | | |
| 3/30/2017 | 72.5 | | | 46.3 | 36.9 | 9.56 | | | |
| 3/31/2017 | | | | | | | 48.3 | | |
| 5/11/2017 | | | | | | | | 35.8 | |
| 5/12/2017 | | | | | | | | | 233 |
| 5/15/2017 | | | | | | | | | |
| 6/15/2017 | | | | | | | | 36 | 224 |
| 6/16/2017 | | | | | | | | | |
| 7/11/2017 | | | | | | | | | 249 |
| 7/12/2017 | 80.4 | | 100 | 47.8 | 38.4 | 10.4 | | 40.3 | |
| 7/13/2017 | | 67.2 | | | | | 52.3 | | |
| 8/8/2017 | | | | | | | | | |
| 10/24/2017 | | | | | | | | 30.3 | 232 |
| 10/25/2017 | 75.6 | 66.8 | 97.3 | | 36.2 | 10.9 | 50.9 | | |
| 10/26/2017 | | | | | | | | | |
| 11/15/2017 | | | | 49.3 | | | | | |
| 2/27/2018 | | | | | | | | | 245 |
| 2/28/2018 | 73.2 | 62.3 | 86.3 | <25 | 35 | <25 | 45.1 | | |
| 3/1/2018 | | | | | | | | | |
| 3/2/2018 | | | | | | | | | |
| 3/8/2018 | | | | | | | | 39.8 | |
| 7/11/2018 | 82.3 | | 92.4 | | 37.5 | 13 (J) | 47.8 | | |
| 7/12/2018 | | 71 | | | | | | 34.7 | |
| 11/6/2018 | | | | | | | | | 284 |
| 11/7/2018 | 78.5 | 60.9 | 85.9 | 44.8 | 11.4 | 37 | 45.5 | 28.6 | |
| 11/8/2018 | | | | | | | | | |
| 3/12/2019 | | | | | | | | | 295 |
| 3/13/2019 | 79.9 | | 86.4 | 42.1 | | 11.9 (J) | | 26.7 | |
| 3/14/2019 | | 64.8 | | | 34.7 | | 43.5 | | |
| 10/15/2019 | | | | | | | | | 276 |
| 10/16/2019 | | | | 43.8 | | | | 17.7 | |
| 10/17/2019 | 79.8 | | 86.9 | | 37 | | 44.1 | | |
| 10/18/2019 | | 61.7 | | | | 12.9 | | | |
| 3/2/2020 | | | | | | | | | 320 |
| 3/3/2020 | 87.4 | 68.7 | | 49.3 | 37.8 | | | | |
| 3/4/2020 | | | 103 | | | 15.8 | 48.8 | | |
| 3/9/2020 | | | | | | | | 23.7 | |
| 9/22/2020 | | | 79.2 | | | | 43.8 | 15.5 | 263 |
| 9/23/2020 | | | | 39 | 35.6 | | | | |
| 9/24/2020 | 80 | 62.6 | | | | 12.7 | | | |
| 3/1/2021 | | | | | | | | | 322 |
| 3/2/2021 | | | 74.7 | 40.5 | 36 | | | | |

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 2/14/2024 9:17 AM View: AP 234 Appendix III
 Plant McDonough Data: McDonough AP

| | DGWC-21 | DGWC-22 | DGWC-20 | DGWC-13 | DGWC-15 | DGWC-17 | DGWC-42 | DGWA-53 (bg) | DGWC-4 |
|-----------|---------|---------|---------|---------|---------|---------|---------|--------------|--------|
| 3/3/2021 | 82.1 | 62.3 | | | | 14.3 | 38.8 | | |
| 3/4/2021 | | | | | | | | | |
| 3/12/2021 | | | | | | | | 18.4 | |
| 9/8/2021 | | | | | | | | | |
| 9/9/2021 | 75.3 | | | 38.2 | 34.4 | | | 18.3 | |
| 9/10/2021 | | 62.3 | 69.8 | | | | | | 285 |
| 9/13/2021 | | | | | | 15.8 | 38.9 | | |
| 1/18/2022 | | | | | | | | | |
| 1/20/2022 | 83.7 | 67.3 | | | | | 38.1 | | |
| 1/21/2022 | | | 104 | | | | | | |
| 1/24/2022 | | | | | 33.2 | 15.6 | | | 299 |
| 1/25/2022 | | | | 43.2 | | | | | |
| 1/26/2022 | | | | | | | | | |
| 1/28/2022 | | | | | | | | 19.5 | |
| 9/7/2022 | | | | | | | | | |
| 9/8/2022 | | | | | | | | 17.2 | |
| 9/13/2022 | | | | | 34.4 | | 34.2 | | |
| 9/14/2022 | | | | | | 16.4 | | | |
| 9/15/2022 | 82.2 | | 70.1 | 36.7 | | | | | |
| 9/16/2022 | | 66.2 | | | | | | | |
| 9/19/2022 | | | | | | | | | 376 |
| 9/20/2022 | | | | | | | | | |
| 1/31/2023 | | | | | | | | | |
| 2/1/2023 | | | | 33.6 | | | 32.7 | 14.1 | |
| 2/2/2023 | | | | | 32.2 | | | | |
| 2/3/2023 | | | | | | | | | 287 |
| 2/6/2023 | | 56.7 | | | | 17.5 | | | |
| 2/7/2023 | 84.8 | | 110 | | | | | | |
| 9/6/2023 | | | | | | | | | |
| 9/7/2023 | | | | | | | | 16.3 | |
| 9/8/2023 | | | | 32.7 | 34.3 | | | | |
| 9/11/2023 | 88.4 | 61.2 | 114 | | | | | | |
| 9/12/2023 | | | | | | | | | |
| 9/13/2023 | | | | | | 19.8 | 33.6 | | 279 |

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 2/14/2024 9:17 AM View: AP 234 Appendix III
 Plant McDonough Data: McDonough AP

| | DGWA-71 (bg) | DGWA-70A (bg) | DGWC-23 | DGWC-2 |
|------------|--------------|---------------|---------|--------|
| 8/30/2016 | | | | |
| 8/31/2016 | | | | |
| 9/1/2016 | | | | |
| 9/2/2016 | | | | |
| 9/6/2016 | | | | |
| 9/7/2016 | | | | |
| 12/6/2016 | | | | |
| 12/7/2016 | | | | |
| 12/8/2016 | | | | |
| 3/28/2017 | 8.31 | 5.14 | | |
| 3/29/2017 | | | | |
| 3/30/2017 | | | 68.1 | 103 |
| 3/31/2017 | | | | |
| 5/11/2017 | | | | 102 |
| 5/12/2017 | 8.04 | | 71.1 | |
| 5/15/2017 | | 6.5 | | |
| 6/15/2017 | | 5.38 | 65.9 | 96.2 |
| 6/16/2017 | 7.66 | | | |
| 7/11/2017 | 7.71 | 5.96 | | 98.4 |
| 7/12/2017 | | | 70 | |
| 7/13/2017 | | | | |
| 8/8/2017 | | 5.2 | | |
| 10/24/2017 | 6.86 | 4.93 | | 86 |
| 10/25/2017 | | | | |
| 10/26/2017 | | | 67.2 | |
| 11/15/2017 | | | | |
| 2/27/2018 | <25 | <25 | | 66.7 |
| 2/28/2018 | | | | |
| 3/1/2018 | | | 66.5 | |
| 3/2/2018 | | | | |
| 3/8/2018 | | | | |
| 7/11/2018 | | | | 55 |
| 7/12/2018 | | | 72 | |
| 11/6/2018 | 5.7 | 5.5 | | 54.5 |
| 11/7/2018 | | | | |
| 11/8/2018 | | | 73.5 | |
| 3/12/2019 | 5.5 | 5.1 | | 52.2 |
| 3/13/2019 | | | | |
| 3/14/2019 | | | 73.2 | |
| 10/15/2019 | 5.1 | 5.1 | | |
| 10/16/2019 | | | | |
| 10/17/2019 | | | | 47.2 |
| 10/18/2019 | | | 67.7 | |
| 3/2/2020 | 5.8 | 5.3 | | |
| 3/3/2020 | | | | 48.4 |
| 3/4/2020 | | | 69.8 | |
| 3/9/2020 | | | | |
| 9/22/2020 | 5.4 | 5 | | |
| 9/23/2020 | | | | 44.4 |
| 9/24/2020 | | | 73.7 | |
| 3/1/2021 | 5.9 | 4.1 | | |
| 3/2/2021 | | | | 44 |

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 2/14/2024 9:17 AM View: AP 234 Appendix III
Plant McDonough Data: McDonough AP

| | DGWA-71 (bg) | DGWA-70A (bg) | DGWC-23 | DGWC-2 |
|-----------|--------------|---------------|---------|--------|
| 3/3/2021 | | | 68.1 | |
| 3/4/2021 | | | | |
| 3/12/2021 | | | | |
| 9/8/2021 | 6.1 | | | |
| 9/9/2021 | | 5.3 | 76.4 | 42 |
| 9/10/2021 | | | | |
| 9/13/2021 | | | | |
| 1/18/2022 | 6.6 | 6.1 | | |
| 1/20/2022 | | | 82.7 | 44.6 |
| 1/21/2022 | | | | |
| 1/24/2022 | | | | |
| 1/25/2022 | | | | |
| 1/26/2022 | | | | |
| 1/28/2022 | | | | |
| 9/7/2022 | 6.4 | 5.9 | | |
| 9/8/2022 | | | | |
| 9/13/2022 | | | | |
| 9/14/2022 | | | | |
| 9/15/2022 | | | | |
| 9/16/2022 | | | | |
| 9/19/2022 | | | | |
| 9/20/2022 | | | 90 | 37.8 |
| 1/31/2023 | 5.7 | 6.2 | | |
| 2/1/2023 | | | | |
| 2/2/2023 | | | | |
| 2/3/2023 | | | | |
| 2/6/2023 | | | 86.4 | 35.3 |
| 2/7/2023 | | | | |
| 9/6/2023 | 7 | 6.6 | | |
| 9/7/2023 | | | | |
| 9/8/2023 | | | | |
| 9/11/2023 | | | 95.4 | |
| 9/12/2023 | | | | |
| 9/13/2023 | | | | 33.6 |

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 2/14/2024 9:17 AM View: AP 234 Appendix III

Plant McDonough Data: McDonough AP

| | DGWC-8 | DGWC-11 | DGWC-14 | DGWC-10 | DGWC-5 | DGWC-12 | DGWC-48 | DGWC-19 | DGWC-47 |
|------------|--------|---------|---------|---------|--------|---------|---------|---------|---------|
| 8/30/2016 | 9.7 | | | | | | | | |
| 8/31/2016 | | 11 | 3.1 | 11 | 8.6 | | | | |
| 9/1/2016 | | | | | | 13 | 18 | 41 | 12 |
| 9/2/2016 | | | | | | | | | |
| 9/6/2016 | | | | | | | | | |
| 9/7/2016 | | | | | | | | | |
| 12/6/2016 | 9.8 | 11 | 3.1 | 10 | 8 | | | | |
| 12/7/2016 | | | | | | 20 (O) | | 41 | |
| 12/8/2016 | | | | | | | 17 | | 12 |
| 3/28/2017 | | | | | 9.5 | | | | |
| 3/29/2017 | 9.9 | 12 | 3.8 | 11 | | 13 | | 42 | |
| 3/30/2017 | | | | | | | 16 | | |
| 3/31/2017 | | | | | | | | | 9.1 |
| 5/11/2017 | | | | | | | | | |
| 5/12/2017 | | | | | | | | | |
| 5/15/2017 | | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 6/16/2017 | | | | | | | | | |
| 7/11/2017 | 9.7 | | | | 9 | | | | |
| 7/12/2017 | | 11 | 2.9 | 11 | | 12 | | 41 | |
| 7/13/2017 | | | | | | | 15 | | 5.7 |
| 8/8/2017 | | | | | | | | | |
| 10/24/2017 | 9.9 | 12 | | 11 | | | | | |
| 10/25/2017 | | | 3.5 | | 9.4 | 13 | | 41 | |
| 10/26/2017 | | | | | | | 14 | | 6.6 |
| 11/15/2017 | | | | 12 | | | | | |
| 2/27/2018 | 9.5 | 12.7 | 3.4 | 10.8 | 9.7 | 11.7 | | | |
| 2/28/2018 | | | | | | | | 36.4 | |
| 3/1/2018 | | | | | | | | | 10.7 |
| 3/2/2018 | | | | | | | 12.8 | | |
| 3/8/2018 | | | | | | | | | |
| 7/11/2018 | | | 3.2 | | | 11.3 | | 38.2 | |
| 7/12/2018 | | | | | | | 11.7 | | 9.5 |
| 11/6/2018 | 10.5 | 15.2 | | 12.3 | 10.2 | | | | |
| 11/7/2018 | | | 3.1 | | | 11.8 | 11.4 | 38.8 | 8.6 |
| 11/8/2018 | | | | | | | | | |
| 3/12/2019 | 10.7 | 14.5 | | 12.1 | 10.6 | 12.1 | | | |
| 3/13/2019 | | | 3.4 | | | | | 40.1 | |
| 3/14/2019 | | | | | | | 10.2 | | 6.6 |
| 10/15/2019 | | 15.6 | | 9.4 | | 11.6 | | | |
| 10/16/2019 | 10.4 | | 3.5 | | 11.6 | | | 33.2 | |
| 10/17/2019 | | | | | | | | | 7 |
| 10/18/2019 | | | | | | | 9.6 | | |
| 3/2/2020 | | 15 | | | 10.5 | 8.9 | | | |
| 3/3/2020 | 9.6 | | 4.1 | 8.4 | | | | 30.9 | |
| 3/4/2020 | | | | | | | 9.1 | | 4.4 |
| 3/9/2020 | | | | | | | | | |
| 9/22/2020 | | 16 | 3.2 | | 10.5 | 10.8 | | 27.6 | |
| 9/23/2020 | 9.1 | | | | | | 8 | | 3.3 |
| 9/24/2020 | | | | 5.9 | | | | | |
| 3/1/2021 | | | | | | | | | |
| 3/2/2021 | 8.6 | 14.4 | 3.5 | | 9.8 | | | 27 | |

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 2/14/2024 9:17 AM View: AP 234 Appendix III
 Plant McDonough Data: McDonough AP

| | DGWC-8 | DGWC-11 | DGWC-14 | DGWC-10 | DGWC-5 | DGWC-12 | DGWC-48 | DGWC-19 | DGWC-47 |
|-----------|--------|---------|---------|---------|--------|---------|---------|---------|---------|
| 3/3/2021 | | | | | | 10.3 | 14.2 | | 2.9 |
| 3/4/2021 | | | | 7.2 | | | | | |
| 3/12/2021 | | | | | | | | | |
| 9/8/2021 | | | | | | | | | |
| 9/9/2021 | | 13.6 | 3.3 | | | 8.5 | | 25.4 | |
| 9/10/2021 | | | | 8.2 | 9.9 | | 10.9 | | 2.4 |
| 9/13/2021 | 8.2 | | | | | | | | |
| 1/18/2022 | | | | | | | | | |
| 1/20/2022 | | | | | | | | | |
| 1/21/2022 | | | | | | | | | 3.1 |
| 1/24/2022 | | | | | 9.9 | | 11.3 | | |
| 1/25/2022 | 9.3 | 14.1 | 3.7 | | | 8.1 | | 23.7 | |
| 1/26/2022 | | | | 9 | | | | | |
| 1/28/2022 | | | | | | | | | |
| 9/7/2022 | | | | | | | | | |
| 9/8/2022 | | | | | | | | | |
| 9/13/2022 | | | 3.5 | | | | 8.9 | | 3.3 |
| 9/14/2022 | | | | | 11.2 | | | 18.7 | |
| 9/15/2022 | 8.3 | 12.1 | | 8.2 | | 8.2 | | | |
| 9/16/2022 | | | | | | | | | |
| 9/19/2022 | | | | | | | | | |
| 9/20/2022 | | | | | | | | | |
| 1/31/2023 | | | | | | | | | |
| 2/1/2023 | | | 4.5 | | | | | | |
| 2/2/2023 | | | | 9.9 | | | | | |
| 2/3/2023 | | | | | | | 8.2 | | 2.6 |
| 2/6/2023 | | 12.1 | | | | 6.8 | | 17.9 | |
| 2/7/2023 | 8.7 | | | | 10 | | | | |
| 9/6/2023 | | | | | | | | | |
| 9/7/2023 | | | | | | | | | |
| 9/8/2023 | | 11.2 | 3.5 | | | | | 15.8 | |
| 9/11/2023 | | | | 10.1 | | 6.5 | | | |
| 9/12/2023 | 9.5 | | | | | | | | 2.4 |
| 9/13/2023 | | | | | 9.5 | | 6.5 | | |

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 2/14/2024 9:17 AM View: AP 234 Appendix III
 Plant McDonough Data: McDonough AP

| | DGWC-20 | DGWC-22 | DGWC-21 | DGWC-15 | DGWC-13 | DGWC-17 | DGWC-42 | DGWC-4 | DGWA-70A (bg) |
|------------|---------|---------|---------|---------|---------|---------|---------|--------|---------------|
| 8/30/2016 | | | | | | | | | |
| 8/31/2016 | | | | | | | | | |
| 9/1/2016 | | | | | | | | | |
| 9/2/2016 | 15 | 30 | 25 | | | | | | |
| 9/6/2016 | | | | 19 | 16 | | | | |
| 9/7/2016 | | | | | | 17 | 33 | | |
| 12/6/2016 | | | | | | | | | |
| 12/7/2016 | 16 | | | 20 | 14 | | | | |
| 12/8/2016 | | 26 | 24 | | | 19 | 32 | | |
| 3/28/2017 | | | | | | | | 29 | 3.8 |
| 3/29/2017 | 17 | 30 | | | | | | | |
| 3/30/2017 | | | 24 | 21 | 16 | 20 | | | |
| 3/31/2017 | | | | | | | 33 | | |
| 5/11/2017 | | | | | | | | | |
| 5/12/2017 | | | | | | | | 29 | |
| 5/15/2017 | | | | | | | | | 2.2 |
| 6/15/2017 | | | | | | | | 28 | 2 |
| 6/16/2017 | | | | | | | | | |
| 7/11/2017 | | | | | | | | 28 | 2.1 |
| 7/12/2017 | 18 | | 23 | 21 | 14 | 18 | | | |
| 7/13/2017 | | 29 | | | | | 33 | | |
| 8/8/2017 | | | | | | | | | 2.2 |
| 10/24/2017 | | | | | | | | 28 | 2.4 |
| 10/25/2017 | 20 | 29 | 23 | 21 | | 19 | 32 | | |
| 10/26/2017 | | | | | | | | | |
| 11/15/2017 | | | | | 16 | | | 27 | |
| 2/27/2018 | | | | | | | | 24.6 | 2.5 |
| 2/28/2018 | 18.6 | 23.4 | 19.9 | 20.1 | 2.7 | 17 | 29 | | |
| 3/1/2018 | | | | | | | | | |
| 3/2/2018 | | | | | | | | | |
| 3/8/2018 | | | | | | | | | |
| 7/11/2018 | 20.4 | | 20.9 | 21.4 | | 19.5 | 29.3 | | |
| 7/12/2018 | | 26.1 | | | | | | | |
| 11/6/2018 | | | | | | | | 24.8 | 2.3 |
| 11/7/2018 | 21.5 | 25.8 | 20.5 | 22.4 | 16.7 | 21.4 | 28.6 | | |
| 11/8/2018 | | | | | | | | | |
| 3/12/2019 | | | | | | | | 24.2 | 2.5 |
| 3/13/2019 | 24.8 | | 21.3 | | 12.4 | 19.9 | | | |
| 3/14/2019 | | 26.3 | | 24 | | | 24.8 | | |
| 10/15/2019 | | | | | | | | 20.9 | 2.2 |
| 10/16/2019 | | | | | 17.4 | | | | |
| 10/17/2019 | 24.9 | | 20.1 | 22 | | | 25.8 | | |
| 10/18/2019 | | 23.4 | | | | 22 | | | |
| 3/2/2020 | | | | | | | | 18.7 | 1.9 |
| 3/3/2020 | | 21.8 | 19.7 | 22.7 | 9.4 | | | | |
| 3/4/2020 | 27.8 | | | | | 19.6 | 23.6 | | |
| 3/9/2020 | | | | | | | | | |
| 9/22/2020 | 25.8 | | | | | | 22.1 | 17 | 1.9 |
| 9/23/2020 | | | | 22.4 | 12.6 | | | | |
| 9/24/2020 | | 21.5 | 20 | | | 22.7 | | | |
| 3/1/2021 | | | | | | | | 15 | 1.9 |
| 3/2/2021 | 28 | | | 22.8 | 13.1 | | | | |

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 2/14/2024 9:17 AM View: AP 234 Appendix III
Plant McDonough Data: McDonough AP

| | DGWC-20 | DGWC-22 | DGWC-21 | DGWC-15 | DGWC-13 | DGWC-17 | DGWC-42 | DGWC-4 | DGWA-70A (bg) |
|-----------|---------|---------|---------|---------|---------|---------|---------|--------|---------------|
| 3/3/2021 | | 20.6 | 19.7 | | | 20.9 | 20.8 | | |
| 3/4/2021 | | | | | | | | | |
| 3/12/2021 | | | | | | | | | |
| 9/8/2021 | | | | | | | | | |
| 9/9/2021 | | | 20.2 | 21.9 | 12.9 | | | | 1.9 |
| 9/10/2021 | 26.2 | 17.3 | | | | | | 13.9 | |
| 9/13/2021 | | | | | | 18.2 | 17.1 | | |
| 1/18/2022 | | | | | | | | | 1.9 |
| 1/20/2022 | | 18.1 | 18.6 | | | | 18.2 | | |
| 1/21/2022 | 27 | | | | | | | | |
| 1/24/2022 | | | | 21.5 | | 19.2 | | 12.5 | |
| 1/25/2022 | | | | | 14.3 | | | | |
| 1/26/2022 | | | | | | | | | |
| 1/28/2022 | | | | | | | | | |
| 9/7/2022 | | | | | | | | | 2.1 |
| 9/8/2022 | | | | | | | | | |
| 9/13/2022 | | | | 21.9 | | | 18.7 | | |
| 9/14/2022 | | | | | | 19 | | | |
| 9/15/2022 | 26.2 | | 17.6 | | 13.7 | | | | |
| 9/16/2022 | | 18 | | | | | | | |
| 9/19/2022 | | | | | | | | 11.2 | |
| 9/20/2022 | | | | | | | | | |
| 1/31/2023 | | | | | | | | | 2.2 |
| 2/1/2023 | | | | | 12.2 | | 19.3 | | |
| 2/2/2023 | | | | 22.1 | | | | | |
| 2/3/2023 | | | | | | | | 11 | |
| 2/6/2023 | | 16.9 | | | | 18.8 | | | |
| 2/7/2023 | 27.9 | | 18.6 | | | | | | |
| 9/6/2023 | | | | | | | | | 2.2 |
| 9/7/2023 | | | | | | | | | |
| 9/8/2023 | | | | 20 | 11.7 | | | | |
| 9/11/2023 | 26.9 | 16.8 | 17.8 | | | | | | |
| 9/12/2023 | | | | | | | | | |
| 9/13/2023 | | | | | | 18.2 | 18.4 | 9.4 | |

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 2/14/2024 9:17 AM View: AP 234 Appendix III
Plant McDonough Data: McDonough AP

| | DGWA-71 (bg) | DGWA-53 (bg) | DGWC-2 | DGWC-23 |
|------------|--------------|--------------|--------|---------|
| 8/30/2016 | | | | |
| 8/31/2016 | | | | |
| 9/1/2016 | | | | |
| 9/2/2016 | | | | |
| 9/6/2016 | | | | |
| 9/7/2016 | | | | |
| 12/6/2016 | | | | |
| 12/7/2016 | | | | |
| 12/8/2016 | | | | |
| 3/28/2017 | 3.6 | 3.7 | | |
| 3/29/2017 | | | | |
| 3/30/2017 | | | 4.8 | 17 |
| 3/31/2017 | | | | |
| 5/11/2017 | | 2.3 | 4.4 | |
| 5/12/2017 | 3.8 | | | 17 |
| 5/15/2017 | | | | |
| 6/15/2017 | | 2.6 | 4.8 | 16 |
| 6/16/2017 | 3.4 | | | |
| 7/11/2017 | 3.1 | | 4.6 | |
| 7/12/2017 | | 2.3 | | 16 |
| 7/13/2017 | | | | |
| 8/8/2017 | | | | |
| 10/24/2017 | 3.2 | 2.7 | 4.4 | |
| 10/25/2017 | | | | |
| 10/26/2017 | | | | 17 |
| 11/15/2017 | 3.1 | 2.2 | | |
| 2/27/2018 | 3.2 | | 4.1 | |
| 2/28/2018 | | | | |
| 3/1/2018 | | | | 14.8 |
| 3/2/2018 | | | | |
| 3/8/2018 | | 2.4 | | |
| 7/11/2018 | | | 3.3 | |
| 7/12/2018 | | 2.2 | | 15.2 |
| 11/6/2018 | 2.6 | | 3.7 | |
| 11/7/2018 | | 2.3 | | |
| 11/8/2018 | | | | 14.6 |
| 3/12/2019 | 3.3 | | 3.1 | |
| 3/13/2019 | | 3.6 | | |
| 3/14/2019 | | | | 15.2 |
| 10/15/2019 | 3.3 | | | |
| 10/16/2019 | | 2 | | |
| 10/17/2019 | | | 2.8 | |
| 10/18/2019 | | | | 14.4 |
| 3/2/2020 | 3 | | | |
| 3/3/2020 | | | 2.3 | |
| 3/4/2020 | | | | 13.9 |
| 3/9/2020 | | 1.8 | | |
| 9/22/2020 | 5.2 | 1.6 | | |
| 9/23/2020 | | | 2.1 | |
| 9/24/2020 | | | | 13.7 |
| 3/1/2021 | 3.9 | | | |
| 3/2/2021 | | | 2.1 | |

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 2/14/2024 9:17 AM View: AP 234 Appendix III
Plant McDonough Data: McDonough AP

| | DGWA-71 (bg) | DGWA-53 (bg) | DGWC-2 | DGWC-23 |
|-----------|--------------|--------------|--------|---------|
| 3/3/2021 | | | | 14 |
| 3/4/2021 | | | | |
| 3/12/2021 | | 2 | | |
| 9/8/2021 | 5.9 | | | |
| 9/9/2021 | | 1.8 | 2.1 | 12.3 |
| 9/10/2021 | | | | |
| 9/13/2021 | | | | |
| 1/18/2022 | 5.9 | | | |
| 1/20/2022 | | | 2 | 12 |
| 1/21/2022 | | | | |
| 1/24/2022 | | | | |
| 1/25/2022 | | | | |
| 1/26/2022 | | | | |
| 1/28/2022 | | 1.8 | | |
| 9/7/2022 | 8.2 | | | |
| 9/8/2022 | | 1.6 | | |
| 9/13/2022 | | | | |
| 9/14/2022 | | | | |
| 9/15/2022 | | | | |
| 9/16/2022 | | | | |
| 9/19/2022 | | | | |
| 9/20/2022 | | | 2 | 11.6 |
| 1/31/2023 | 7.3 | | | |
| 2/1/2023 | | 1.9 | | |
| 2/2/2023 | | | | |
| 2/3/2023 | | | | |
| 2/6/2023 | | | 2.1 | 12.4 |
| 2/7/2023 | | | | |
| 9/6/2023 | 7.8 | | | |
| 9/7/2023 | | 1.7 | | |
| 9/8/2023 | | | | |
| 9/11/2023 | | | | 12 |
| 9/12/2023 | | | | |
| 9/13/2023 | | | 1.9 | |

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 2/14/2024 9:17 AM View: AP 234 Appendix III

Plant McDonough Data: McDonough AP

| | DGWC-8 | DGWC-11 | DGWC-5 | DGWC-14 | DGWC-10 | DGWC-12 | DGWC-19 | DGWC-48 | DGWC-47 |
|------------|-----------|-----------|----------|-----------|---------|-----------|-----------|---------|---------|
| 8/30/2016 | 0.39 | | | | | | | | |
| 8/31/2016 | | 0.06 (J) | 1 | 0.06 (J) | 1 | | | | |
| 9/1/2016 | | | | | | 0.02 (J) | 0.75 | 1.5 | 1.8 |
| 9/2/2016 | | | | | | | | | |
| 9/6/2016 | | | | | | | | | |
| 9/7/2016 | | | | | | | | | |
| 12/6/2016 | 0.47 | 0.06 (J) | 0.76 | 0.1 (J) | 1.3 | | | | |
| 12/7/2016 | | | | | | 0.16 (J) | 0.37 | | |
| 12/8/2016 | | | | | | | | 1.6 | 1.1 |
| 3/28/2017 | | | 1.2 | | | | | | |
| 3/29/2017 | 0.51 | 0.04 (J) | | 0.02 (J) | 1.5 | 0.1 (J) | 0.35 | | |
| 3/30/2017 | | | | | | | | 0.86 | |
| 3/31/2017 | | | | | | | | | 0.88 |
| 5/11/2017 | | | | | | | | | |
| 5/12/2017 | | | | | | | | | |
| 5/15/2017 | | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 6/16/2017 | | | | | | | | | |
| 7/11/2017 | 0.2 (J) | | 0.7 | | | | | | |
| 7/12/2017 | | 0.03 (J) | | <0.1 | 1.7 | 0.2 (J) | 0.34 | | |
| 7/13/2017 | | | | | | | | 1.1 | 0.84 |
| 8/8/2017 | | | | | | | | | |
| 10/24/2017 | 0.82 | <0.1 | | | 2.1 | | | | |
| 10/25/2017 | | | 1.4 | <0.1 | | 0.6 | 0.9 | | |
| 10/26/2017 | | | | | | | | 1.7 | 1 |
| 11/15/2017 | | | | | 1.4 | | | | |
| 2/27/2018 | 0.59 | <0.1 | 1.3 | <0.1 | 2.3 | 0.34 | | | |
| 2/28/2018 | | | | | | | 1.2 | | |
| 3/1/2018 | | | | | | | | | 1.4 |
| 3/2/2018 | | | | | | | | 1.1 | |
| 3/8/2018 | | | | | | | | | |
| 7/11/2018 | | | | <0.1 | | <0.1 | 0.37 | | |
| 7/12/2018 | | | | | | | | 0.65 | 0.96 |
| 11/6/2018 | 0.35 | <0.1 | <0.3 (J) | | 2 | | | | |
| 11/7/2018 | | | | <0.1 | | <0.3 (J) | <0.3 (J) | 0.63 | 0.74 |
| 11/8/2018 | | | | | | | | | |
| 3/12/2019 | 0.35 | 0.052 (J) | 0.31 | | 1.7 | 0.065 (J) | | | |
| 3/13/2019 | | | | 0.042 (J) | | | 0.22 (J) | | |
| 3/14/2019 | | | | | | | | 1.4 | 1.6 |
| 8/27/2019 | | <0.1 | 0.32 | <0.1 | 1.4 | <0.1 | | | |
| 8/28/2019 | 0.098 (J) | | | | | | 0.2 | | |
| 8/29/2019 | | | | | | | | 0.78 | 0.52 |
| 10/15/2019 | | <0.1 | | | 1.4 | <0.1 | | | |
| 10/16/2019 | 0.14 (J) | | 0.32 | 0.052 (J) | | | 0.23 (J) | | |
| 10/17/2019 | | | | | | | | | 0.46 |
| 10/18/2019 | | | | | | | | 0.46 | |
| 3/2/2020 | | 0.064 (J) | 0.33 | | | 0.071 (J) | | | |
| 3/3/2020 | <0.1 | | | <0.1 | 1.5 | | 0.056 (J) | | |
| 3/4/2020 | | | | | | | | 0.7 | 0.74 |
| 3/9/2020 | | | | | | | | | |
| 8/11/2020 | | <0.1 | | <0.1 | 1.4 | <0.1 | 0.2 | | |
| 8/12/2020 | 0.056 (J) | | 0.13 | | | | | | 0.22 |

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 2/14/2024 9:17 AM View: AP 234 Appendix III
 Plant McDonough Data: McDonough AP

| | DGWC-8 | DGWC-11 | DGWC-5 | DGWC-14 | DGWC-10 | DGWC-12 | DGWC-19 | DGWC-48 | DGWC-47 |
|-----------|-----------|-----------|--------|-----------|---------|-----------|-----------|---------|---------|
| 8/13/2020 | | | | | | | | 0.47 | |
| 8/14/2020 | | | | | | | | | |
| 9/22/2020 | | <0.1 | 0.12 | <0.1 | | <0.1 | 0.084 (J) | | |
| 9/23/2020 | <0.1 | | | | | | | 0.32 | 0.11 |
| 9/24/2020 | | | | | 0.97 | | | | |
| 3/1/2021 | | | | | | | | | |
| 3/2/2021 | 0.059 (J) | <0.1 | 0.15 | <0.1 | | | 0.19 | | |
| 3/3/2021 | | | | | | 0.085 (J) | | 0.67 | 0.71 |
| 3/4/2021 | | | | | 1.8 | | | | |
| 3/12/2021 | | | | | | | | | |
| 9/8/2021 | | | | | | | | | |
| 9/9/2021 | | <0.1 | | <0.1 | | 0.099 (J) | 0.18 | | |
| 9/10/2021 | | | 0.16 | | 2.2 | | | 0.47 | 0.22 |
| 9/13/2021 | 0.069 (J) | | | | | | | | |
| 1/18/2022 | | | | | | | | | |
| 1/20/2022 | | | | | | | | | |
| 1/21/2022 | | | | | | | | | 0.64 |
| 1/24/2022 | | | 0.19 | | | | | 0.59 | |
| 1/25/2022 | <0.1 | <0.1 | | <0.1 | | 0.093 (J) | 0.16 | | |
| 1/26/2022 | | | | | 1.8 | | | | |
| 1/28/2022 | | | | | | | | | |
| 9/7/2022 | | | | | | | | | |
| 9/8/2022 | | | | | | | | | |
| 9/13/2022 | | | | 0.059 (J) | | | | 0.43 | 0.47 |
| 9/14/2022 | | | 0.27 | | | | 0.18 | | |
| 9/15/2022 | 0.077 (J) | 0.064 (J) | | | 0.84 | 0.078 (J) | | | |
| 9/16/2022 | | | | | | | | | |
| 9/19/2022 | | | | | | | | | |
| 9/20/2022 | | | | | | | | | |
| 1/31/2023 | | | | | | | | | |
| 2/1/2023 | | | | 0.067 (J) | | | | | |
| 2/2/2023 | | | | | 1.1 | | | | |
| 2/3/2023 | | | | | | | | 0.48 | 0.45 |
| 2/6/2023 | | <0.1 | | | | 0.1 | 0.22 | | |
| 2/7/2023 | 0.13 | | 0.22 | | | | | | |
| 9/6/2023 | | | | | | | | | |
| 9/7/2023 | | | | | | | | | |
| 9/8/2023 | | <0.1 | | <0.1 | | | 0.17 | | |
| 9/11/2023 | | | | | 1.3 | 0.13 | | | |
| 9/12/2023 | 0.091 (J) | | | | | | | | 0.51 |
| 9/13/2023 | | | 0.14 | | | | | 0.51 | |

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 2/14/2024 9:17 AM View: AP 234 Appendix III
 Plant McDonough Data: McDonough AP

| | DGWC-21 | DGWC-22 | DGWC-20 | DGWC-15 | DGWC-13 | DGWC-42 | DGWC-17 | DGWC-4 | DGWA-71 (bg) |
|------------|-----------|-----------|----------|-----------|-----------|----------|-----------|-----------|--------------|
| 8/30/2016 | | | | | | | | | |
| 8/31/2016 | | | | | | | | | |
| 9/1/2016 | | | | | | | | | |
| 9/2/2016 | 0.07 (J) | 0.3 | 0.66 | | | | | | |
| 9/6/2016 | | | | 0.11 (J) | 0.17 (J) | | | | |
| 9/7/2016 | | | | | | 0.02 (J) | 0.32 | | |
| 12/6/2016 | | | | | | | | | |
| 12/7/2016 | | | 0.66 | 0.11 (J) | 0.3 | | | | |
| 12/8/2016 | 0.14 (J) | 0.12 (J) | | | | 0.06 (J) | 0.31 | | |
| 3/28/2017 | | | | | | | | 0.17 (J) | 0.06 (J) |
| 3/29/2017 | | 0.11 (J) | 0.34 | | | | | | |
| 3/30/2017 | <0.1 | | | <0.1 | 0.12 (J) | | 0.1 (J) | | |
| 3/31/2017 | | | | | | <0.1 | | | |
| 5/11/2017 | | | | | | | | | |
| 5/12/2017 | | | | | | | | <0.1 | <0.1 |
| 5/15/2017 | | | | | | | | | |
| 6/15/2017 | | | | | | | | 0.02 (J) | |
| 6/16/2017 | | | | | | | | | 0.008 (J) |
| 7/11/2017 | | | | | | | | 0.02 (J) | 0.007 (J) |
| 7/12/2017 | 0.04 (J) | | 0.41 | 0.07 (J) | 0.13 (J) | | 0.27 (J) | | |
| 7/13/2017 | | 0.09 (J) | | | | <0.1 | | | |
| 8/8/2017 | | | | | | | | | |
| 10/24/2017 | | | | | | | | <0.1 | <0.1 |
| 10/25/2017 | 0.34 | 0.25 (J) | 0.68 | 0.26 (J) | | <0.1 | 0.49 | | |
| 10/26/2017 | | | | | | | | | |
| 11/15/2017 | | | | | 0.44 | | | 0.79 | <0.1 |
| 2/27/2018 | | | | | | | | <0.1 | <0.1 |
| 2/28/2018 | <0.1 | <0.1 | 0.76 | <0.1 | 0.18 | <0.1 | 0.54 | | |
| 3/1/2018 | | | | | | | | | |
| 3/2/2018 | | | | | | | | | |
| 3/8/2018 | | | | | | | | | |
| 7/11/2018 | <0.1 | | 1.3 | <0.1 | | <0.1 | 0.15 (J) | | |
| 7/12/2018 | | 0.13 (J) | | | | | | | |
| 11/6/2018 | | | | | | | | <0.1 | <0.1 |
| 11/7/2018 | <0.1 | <0.1 | <0.3 (J) | <0.1 | <0.3 (J) | <0.1 | <0.3 (J) | | |
| 11/8/2018 | | | | | | | | | |
| 3/12/2019 | | | | | | | | 0.082 (J) | <0.1 |
| 3/13/2019 | 0.043 (J) | | 0.45 | | 0.13 (J) | | 0.084 (J) | | |
| 3/14/2019 | | 0.042 (J) | | 0.057 (J) | | <0.1 | | | |
| 8/27/2019 | | | | | | | 0.24 (J) | <0.1 | <0.1 |
| 8/28/2019 | | | | <0.1 | 0.091 (J) | <0.1 | | | |
| 8/29/2019 | 0.079 (J) | 0.054 (J) | 0.78 | | | | | | |
| 10/15/2019 | | | | | | | | <0.1 | <0.1 |
| 10/16/2019 | | | | | 0.14 (J) | | | | |
| 10/17/2019 | <0.1 | | 0.26 (J) | 0.079 (J) | | <0.1 | | | |
| 10/18/2019 | | <0.1 | | | | | 0.086 (J) | | |
| 3/2/2020 | | | | | | | | <0.1 | <0.1 |
| 3/3/2020 | <0.1 | <0.1 | | <0.1 | 0.078 (J) | | | | |
| 3/4/2020 | | | 1.5 | | | <0.1 | <0.1 | | |
| 3/9/2020 | | | | | | | | | |
| 8/11/2020 | | | | | | | | | <0.1 |
| 8/12/2020 | | | | | 0.051 (J) | | | <0.1 | |

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 2/14/2024 9:17 AM View: AP 234 Appendix III
 Plant McDonough Data: McDonough AP

| | DGWC-21 | DGWC-22 | DGWC-20 | DGWC-15 | DGWC-13 | DGWC-42 | DGWC-17 | DGWC-4 | DGWA-71 (bg) |
|-----------|-----------|-----------|---------|-----------|-----------|---------|-----------|-----------|--------------|
| 8/13/2020 | | | 0.9 | <0.1 | | <0.1 | | | |
| 8/14/2020 | <0.1 | <0.1 | | | | | 0.069 (J) | | |
| 9/22/2020 | | | 0.15 | | | <0.1 | | <0.1 | <0.1 |
| 9/23/2020 | | | | <0.1 | 0.058 (J) | | | | |
| 9/24/2020 | <0.1 | <0.1 | | | | | 0.056 (J) | | |
| 3/1/2021 | | | | | | | | <0.1 | <0.1 |
| 3/2/2021 | | | 1.4 | <0.1 | 0.084 (J) | | | | |
| 3/3/2021 | <0.1 | <0.1 | | | | <0.1 | 0.085 (J) | | |
| 3/4/2021 | | | | | | | | | |
| 3/12/2021 | | | | | | | | | |
| 9/8/2021 | | | | | | | | | <0.1 |
| 9/9/2021 | <0.1 | | | <0.1 | 0.083 (J) | | | | |
| 9/10/2021 | | <0.1 | 0.25 | | | | | <0.1 | |
| 9/13/2021 | | | | | | <0.1 | 0.063 (J) | | |
| 1/18/2022 | | | | | | | | | <0.1 |
| 1/20/2022 | <0.1 | <0.1 | | | | <0.1 | | | |
| 1/21/2022 | | | 1.3 | | | | | | |
| 1/24/2022 | | | | <0.1 | | | <0.1 | <0.1 | |
| 1/25/2022 | | | | | 0.063 (J) | | | | |
| 1/26/2022 | | | | | | | | | |
| 1/28/2022 | | | | | | | | | |
| 9/7/2022 | | | | | | | | | 0.056 (J) |
| 9/8/2022 | | | | | | | | | |
| 9/13/2022 | | | | 0.065 (J) | | <0.1 | | | |
| 9/14/2022 | | | | | | | 0.1 | | |
| 9/15/2022 | 0.087 (J) | | 0.69 | | 0.095 (J) | | | | |
| 9/16/2022 | | 0.068 (J) | | | | | | | |
| 9/19/2022 | | | | | | | | 0.061 (J) | |
| 9/20/2022 | | | | | | | | | |
| 1/31/2023 | | | | | | | | | 0.05 (J) |
| 2/1/2023 | | | | | 0.09 (J) | <0.1 | | | |
| 2/2/2023 | | | | 0.065 (J) | | | | | |
| 2/3/2023 | | | | | | | | 0.096 (J) | |
| 2/6/2023 | | 0.057 (J) | | | | | 0.096 (J) | | |
| 2/7/2023 | 0.059 (J) | | 1.1 | | | | | | |
| 9/6/2023 | | | | | | | | | <0.1 |
| 9/7/2023 | | | | | | | | | |
| 9/8/2023 | | | | <0.1 | 0.055 (J) | | | | |
| 9/11/2023 | 0.054 (J) | 0.054 (J) | 1.5 | | | | | | |
| 9/12/2023 | | | | | | | | | |
| 9/13/2023 | | | | | | <0.1 | 0.1 | <0.1 | |

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 2/14/2024 9:17 AM View: AP 234 Appendix III
 Plant McDonough Data: McDonough AP

| | DGWA-53 (bg) | DGWC-2 | DGWC-23 | DGWA-70A (bg) |
|------------|--------------|-----------|-----------|---------------|
| 8/30/2016 | | | | |
| 8/31/2016 | | | | |
| 9/1/2016 | | | | |
| 9/2/2016 | | | | |
| 9/6/2016 | | | | |
| 9/7/2016 | | | | |
| 12/6/2016 | | | | |
| 12/7/2016 | | | | |
| 12/8/2016 | | | | |
| 3/28/2017 | 0.12 (J) | | | 1.2 (O) |
| 3/29/2017 | | | | |
| 3/30/2017 | | 0.06 (J) | 0.12 (J) | |
| 3/31/2017 | | | | |
| 5/11/2017 | 0.07 (J) | 0.06 (J) | | |
| 5/12/2017 | | | 0.36 | |
| 5/15/2017 | | | | 0.005 (J) |
| 6/15/2017 | 0.19 (J) | 0.07 (J) | 0.21 (J) | 0.02 (J) |
| 6/16/2017 | | | | |
| 7/11/2017 | | 0.04 (J) | | 0.06 (J) |
| 7/12/2017 | 0.1 (J) | | 0.22 (J) | |
| 7/13/2017 | | | | |
| 8/8/2017 | | | | 0.04 (J) |
| 10/24/2017 | 0.06 (J) | 0.43 | | <0.1 |
| 10/25/2017 | | | | |
| 10/26/2017 | | | 0.66 | |
| 11/15/2017 | 0.05 (J) | | | |
| 2/27/2018 | | 0.28 | | <0.1 |
| 2/28/2018 | | | | |
| 3/1/2018 | | | 0.18 | |
| 3/2/2018 | | | | |
| 3/8/2018 | <0.1 | | | |
| 7/11/2018 | | 0.6 | | |
| 7/12/2018 | 0.071 (J) | | 0.25 (J) | |
| 11/6/2018 | | <0.1 | | <0.1 |
| 11/7/2018 | <0.1 | | | |
| 11/8/2018 | | | <0.3 (J) | |
| 3/12/2019 | | 0.052 (J) | | 0.039 (J) |
| 3/13/2019 | 0.13 (J) | | | |
| 3/14/2019 | | | 0.092 (J) | |
| 8/27/2019 | | <0.1 | | <0.1 |
| 8/28/2019 | 0.42 | | | |
| 8/29/2019 | | | 0.095 (J) | |
| 10/15/2019 | | | | <0.1 |
| 10/16/2019 | 0.11 (J) | | | |
| 10/17/2019 | | 0.042 (J) | | |
| 10/18/2019 | | | 0.079 (J) | |
| 3/2/2020 | | | | <0.1 |
| 3/3/2020 | | <0.1 | | |
| 3/4/2020 | | | 0.075 (J) | |
| 3/9/2020 | 0.1 (J) | | | |
| 8/11/2020 | | <0.1 | | <0.1 |
| 8/12/2020 | | | | |

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 2/14/2024 9:17 AM View: AP 234 Appendix III
 Plant McDonough Data: McDonough AP

| | DGWA-53 (bg) | DGWC-2 | DGWC-23 | DGWA-70A (bg) |
|-----------|--------------|-----------|-----------|---------------|
| 8/13/2020 | 0.062 (J) | | 0.1 | |
| 8/14/2020 | | | | |
| 9/22/2020 | 0.099 (J) | | | <0.1 |
| 9/23/2020 | | <0.1 | | |
| 9/24/2020 | | | 0.075 (J) | |
| 3/1/2021 | | | | <0.1 |
| 3/2/2021 | | <0.1 | | |
| 3/3/2021 | | | 0.063 (J) | |
| 3/4/2021 | | | | |
| 3/12/2021 | 0.076 (J) | | | |
| 9/8/2021 | | | | |
| 9/9/2021 | 0.099 (J) | 0.053 (J) | 0.084 (J) | <0.1 |
| 9/10/2021 | | | | |
| 9/13/2021 | | | | |
| 1/18/2022 | | | | <0.1 |
| 1/20/2022 | | <0.1 | <0.1 | |
| 1/21/2022 | | | | |
| 1/24/2022 | | | | |
| 1/25/2022 | | | | |
| 1/26/2022 | | | | |
| 1/28/2022 | 0.08 (J) | | | |
| 9/7/2022 | | | | 0.061 (J) |
| 9/8/2022 | 0.11 | | | |
| 9/13/2022 | | | | |
| 9/14/2022 | | | | |
| 9/15/2022 | | | | |
| 9/16/2022 | | | | |
| 9/19/2022 | | | | |
| 9/20/2022 | | 0.076 (J) | 0.11 | |
| 1/31/2023 | | | | 0.053 (J) |
| 2/1/2023 | 0.1 | | | |
| 2/2/2023 | | | | |
| 2/3/2023 | | | | |
| 2/6/2023 | | 0.072 (J) | 0.076 (J) | |
| 2/7/2023 | | | | |
| 9/6/2023 | | | | <0.1 |
| 9/7/2023 | 0.082 (J) | | | |
| 9/8/2023 | | | | |
| 9/11/2023 | | | 0.1 | |
| 9/12/2023 | | | | |
| 9/13/2023 | | 0.083 (J) | | |

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 2/14/2024 9:17 AM View: AP 234 Appendix III
 Plant McDonough Data: McDonough AP

| | DGWC-8 | DGWC-10 | DGWC-14 | DGWC-11 | DGWC-5 | DGWC-48 | DGWC-47 | DGWC-19 | DGWC-21 |
|-----------|--------|---------|---------|---------|--------|---------|---------|---------|---------|
| 8/11/2020 | | 4.92 | 5.73 | 5.68 | | | | 4.9 | |
| 8/12/2020 | 5.36 | | | | 4.84 | | 4.43 | | |
| 8/13/2020 | | | | | | 4.26 | | | |
| 8/14/2020 | | | | | | | | | 5.66 |
| 9/22/2020 | | | 5.7 | 5.54 | 4.83 | | | 4.91 | |
| 9/23/2020 | 5.21 | | | | | 4.64 | 4.4 | | |
| 9/24/2020 | | 4.89 | | | | | | | 5.64 |
| 3/1/2021 | | | | | | | | | |
| 3/2/2021 | 6.6 | | 5.69 | 5.59 | 5 | | | 4.84 | |
| 3/3/2021 | | | | | | 4.14 | 3.98 | | 5.63 |
| 3/4/2021 | | 5.27 | | | | | | | |
| 3/12/2021 | | | | | | | | | |
| 9/8/2021 | | | | | | | | | |
| 9/9/2021 | | | 5.7 | 5.59 | | | | 4.82 | 5.73 |
| 9/10/2021 | | 5.05 | | | 4.89 | 4.3 | 4.1 | | |
| 9/13/2021 | 5.05 | | | | | | | | |
| 1/18/2022 | | | | | | | | | |
| 1/20/2022 | | | | | | | | | 5.73 |
| 1/21/2022 | | | | | | | 3.72 | | |
| 1/24/2022 | | | | | 4.79 | 4.03 | | | |
| 1/25/2022 | 5.16 | | 5.69 | 5.54 | | | | 4.79 | |
| 1/26/2022 | | 4.9 | | | | | | | |
| 1/28/2022 | | | | | | | | | |
| 9/7/2022 | | | | | | | | | |
| 9/8/2022 | | | | | | | | | |
| 9/13/2022 | | | 5.71 | | | 4.25 | 4.15 | | |
| 9/14/2022 | | | | | 4.75 | | | 4.81 | |
| 9/15/2022 | 5.2 | 4.87 | | 5.52 | | | | | 5.69 |
| 9/16/2022 | | | | | | | | | |
| 9/19/2022 | | | | | | | | | |
| 9/20/2022 | | | | | | | | | |
| 1/31/2023 | | | | | | | | | |
| 2/1/2023 | | | 5.87 | | | | | | |
| 2/2/2023 | | 4.67 | | | | | | | |
| 2/3/2023 | | | | | | 4.2 | 3.88 | | |
| 2/6/2023 | | | | 5.45 | | | | 4.82 | |
| 2/7/2023 | 5.23 | | | | 4.89 | | | | 5.7 |
| 9/6/2023 | | | | | | | | | |
| 9/8/2023 | | | 5.67 | 5.44 | | | | 4.78 | |
| 9/11/2023 | | 4.56 | | | | | | | 5.61 |
| 9/12/2023 | 5.02 | | | | | | 3.99 | | |
| 9/13/2023 | | | | | 4.74 | 4.06 | | | |

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 2/14/2024 9:17 AM View: AP 234 Appendix III
 Plant McDonough Data: McDonough AP

| | DGWC-20 | DGWC-22 | DGWC-13 | DGWC-15 | DGWC-42 | DGWC-17 | DGWC-12 | DGWA-71 (bg) | DGWA-53 (bg) |
|-----------|---------|---------|---------|---------|---------|---------|---------|--------------|--------------|
| 8/11/2020 | | | | | | | 5.69 | 5.96 | |
| 8/12/2020 | | | 5.68 | | | | | | |
| 8/13/2020 | 4.36 | | | 6.58 | 5.34 | | | | 6.17 |
| 8/14/2020 | | 5.76 | | | | 5.01 | | | |
| 9/22/2020 | 4.66 | | | | 5.76 | | 6 | 6.06 | 6.43 |
| 9/23/2020 | | | 5.72 | 5.85 | | | | | |
| 9/24/2020 | | 5.69 | | | | 5.1 | | | |
| 3/1/2021 | | | | | | | | 5.8 | |
| 3/2/2021 | 4.45 | | 5.68 | 5.81 | | | | | |
| 3/3/2021 | | 5.71 | | | 5.3 | 5.23 | 6.13 | | |
| 3/4/2021 | | | | | | | | | |
| 3/12/2021 | | | | | | | | | 6.38 |
| 9/8/2021 | | | | | | | | 5.76 | |
| 9/9/2021 | | | 5.69 | 5.83 | | | 6.07 | | 6.41 |
| 9/10/2021 | 4.67 | 5.65 | | | | | | | |
| 9/13/2021 | | | | | 5.15 | 5.06 | | | |
| 1/18/2022 | | | | | | | | 5.51 | |
| 1/20/2022 | | 5.72 | | | 5.27 | | | | |
| 1/21/2022 | 4.47 | | | | | | | | |
| 1/24/2022 | | | | 6.06 | | 5.15 | | | |
| 1/25/2022 | | | 4.68 | | | | 5.96 | | |
| 1/26/2022 | | | | | | | | | |
| 1/28/2022 | | | | | | | | | 6.35 |
| 9/7/2022 | | | | | | | | 5.65 | |
| 9/8/2022 | | | | | | | | | 6.32 |
| 9/13/2022 | | | | 5.82 | 5.04 | | | | |
| 9/14/2022 | | | | | | 5.08 | | | |
| 9/15/2022 | 4.58 | | 5.56 | | | | 5.75 | | |
| 9/16/2022 | | 5.62 | | | | | | | |
| 9/19/2022 | | | | | | | | | |
| 9/20/2022 | | | | | | | | | |
| 1/31/2023 | | | | | | | | 5.78 | |
| 2/1/2023 | | | 5.54 | | 5.17 | | | | 6.42 |
| 2/2/2023 | | | | 5.86 | | | | | |
| 2/3/2023 | | | | | | | | | |
| 2/6/2023 | | 5.84 | | | | 5.13 | 5.9 | | |
| 2/7/2023 | 4.33 | | | | | | | | |
| 9/6/2023 | | | | | | | | 5.82 | 6.51 |
| 9/8/2023 | | | 5.59 | 5.81 | | | | | |
| 9/11/2023 | 4.06 | 5.57 | | | | | 6.1 | | |
| 9/12/2023 | | | | | 5.04 | | | | |
| 9/13/2023 | | | | | | 5.04 | | | |

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 2/14/2024 9:17 AM View: AP 234 Appendix III
Plant McDonough Data: McDonough AP

| | DGWC-4 | DGWC-2 | DGWC-23 | DGWA-70A (bg) |
|------------|--------|--------|---------|---------------|
| 8/30/2016 | | | | |
| 8/31/2016 | | | | |
| 9/1/2016 | | | | |
| 9/2/2016 | | | | |
| 9/6/2016 | | | | |
| 9/7/2016 | | | | |
| 12/6/2016 | | | | |
| 12/7/2016 | | | | |
| 12/8/2016 | | | | |
| 3/28/2017 | 6.01 | | | |
| 3/29/2017 | | | | |
| 3/30/2017 | | 5.75 | 6.03 | |
| 3/31/2017 | | | | |
| 5/11/2017 | | 5.67 | | |
| 5/12/2017 | 5.87 | | 5.97 | |
| 5/15/2017 | | | | 5.72 |
| 6/15/2017 | 6.03 | 5.75 | 6 | 5.74 |
| 6/16/2017 | | | | |
| 7/11/2017 | 6.04 | 5.87 | | 5.62 |
| 7/12/2017 | | | 5.97 | |
| 7/13/2017 | | | | |
| 8/8/2017 | | | | 5.6 |
| 10/24/2017 | 5.99 | 5.82 | | 5.71 |
| 10/25/2017 | | | | |
| 10/26/2017 | | | 5.9 | |
| 11/15/2017 | 5.92 | | | |
| 2/27/2018 | 6.03 | 5.85 | | 5.5 |
| 2/28/2018 | | | | |
| 3/1/2018 | | | 6.19 | |
| 3/2/2018 | | | | |
| 3/8/2018 | | | | |
| 7/10/2018 | 5.96 | | | 5.44 |
| 7/11/2018 | | 5.85 | | |
| 7/12/2018 | | | 5.97 | |
| 11/6/2018 | 5.97 | 5.88 | | 5.71 |
| 11/7/2018 | | | | |
| 11/8/2018 | | | 5.96 | |
| 3/12/2019 | 5.85 | 5.94 | | 5.52 |
| 3/13/2019 | | | | |
| 3/14/2019 | | | 5.99 | |
| 8/27/2019 | 5.84 | 5.94 | | 5.53 |
| 8/28/2019 | | | | |
| 8/29/2019 | | | 5.96 | |
| 9/17/2019 | | | | |
| 10/15/2019 | 5.98 | | | 5.61 |
| 10/16/2019 | | | | |
| 10/17/2019 | | 6.16 | | |
| 10/18/2019 | | | 5.99 | |
| 3/2/2020 | 5.88 | | | 5.54 |
| 3/3/2020 | | 5.94 | | |
| 3/4/2020 | | | 5.68 | |
| 3/9/2020 | | | | |

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 2/14/2024 9:17 AM View: AP 234 Appendix III
Plant McDonough Data: McDonough AP

| | DGWC-4 | DGWC-2 | DGWC-23 | DGWA-70A (bg) |
|-----------|--------|--------|---------|---------------|
| 8/11/2020 | | 6.04 | | 5.86 |
| 8/12/2020 | 5.93 | | | |
| 8/13/2020 | | | 6 | |
| 8/14/2020 | | | | |
| 9/22/2020 | 5.88 | | | 6.01 |
| 9/23/2020 | | 5.99 | | |
| 9/24/2020 | | | 6.19 | |
| 3/1/2021 | 5.82 | | | 5.43 |
| 3/2/2021 | | 6.01 | | |
| 3/3/2021 | | | 5.85 | |
| 3/4/2021 | | | | |
| 3/12/2021 | | | | |
| 9/8/2021 | | | | |
| 9/9/2021 | | 6 | 6 | 5.5 |
| 9/10/2021 | 5.83 | | | |
| 9/13/2021 | | | | |
| 1/18/2022 | | | | 5.5 |
| 1/20/2022 | | 5.93 | 5.95 | |
| 1/21/2022 | | | | |
| 1/24/2022 | 5.79 | | | |
| 1/25/2022 | | | | |
| 1/26/2022 | | | | |
| 1/28/2022 | | | | |
| 9/7/2022 | | | | 5.6 |
| 9/8/2022 | | | | |
| 9/13/2022 | | | | |
| 9/14/2022 | | | | |
| 9/15/2022 | | | | |
| 9/16/2022 | | | | |
| 9/19/2022 | 5.76 | | | |
| 9/20/2022 | | 5.98 | 6 | |
| 1/31/2023 | | | | 5.59 |
| 2/1/2023 | | | | |
| 2/2/2023 | | | | |
| 2/3/2023 | 5.77 | | | |
| 2/6/2023 | | 5.17 | 5.97 | |
| 2/7/2023 | | | | |
| 9/6/2023 | | | | 5.5 |
| 9/8/2023 | | | | |
| 9/11/2023 | | | 5.99 | |
| 9/12/2023 | | | | |
| 9/13/2023 | 5.64 | 6.06 | | |

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 2/14/2024 9:17 AM View: AP 234 Appendix III

Plant McDonough Data: McDonough AP

| | DGWC-8 | DGWC-5 | DGWC-10 | DGWC-11 | DGWC-14 | DGWC-47 | DGWC-12 | DGWC-48 | DGWC-19 |
|------------|--------|--------|---------|---------|---------|---------|---------|---------|---------|
| 8/30/2016 | 450 | | | | | | | | |
| 8/31/2016 | | 400 | 400 | 200 | 44 | | | | |
| 9/1/2016 | | | | | | 470 | 390 | 540 | 240 |
| 9/2/2016 | | | | | | | | | |
| 9/6/2016 | | | | | | | | | |
| 9/7/2016 | | | | | | | | | |
| 12/6/2016 | 480 | 460 | 190 | 190 | 45 | | | | |
| 12/7/2016 | | | | | | | 350 | | 250 |
| 12/8/2016 | | | | | | 400 | | 540 | |
| 3/28/2017 | | 380 | | | | | | | |
| 3/29/2017 | 660 | | 360 | 200 | 81 (O) | | 150 | | 250 |
| 3/30/2017 | | | | | | | | 550 | |
| 3/31/2017 | | | | | | 350 | | | |
| 5/11/2017 | | | | | | | | | |
| 5/12/2017 | | | | | | | | | |
| 5/15/2017 | | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 6/16/2017 | | | | | | | | | |
| 7/11/2017 | 440 | 440 | | | | | | | |
| 7/12/2017 | | | 390 | 210 | 44 | | 350 | | 250 |
| 7/13/2017 | | | | | | 270 | | 500 | |
| 8/8/2017 | | | | | | | | | |
| 10/24/2017 | 430 | | 410 | 210 | | | | | |
| 10/25/2017 | | 510 | | | 42 | | 400 | | 270 |
| 10/26/2017 | | | | | | 290 | | 510 | |
| 11/15/2017 | | | 390 | | | | | | |
| 2/27/2018 | 340 | 453 | 335 | 220 | 41 | | 356 | | |
| 2/28/2018 | | | | | | | | | 244 |
| 3/1/2018 | | | | | | 245 | | | |
| 3/2/2018 | | | | | | | | 456 | |
| 3/8/2018 | | | | | | | | | |
| 7/11/2018 | | | | | 40.6 | | 344 | | 249 |
| 7/12/2018 | | | | | | 240 | | 409 | |
| 11/6/2018 | 307 | 556 | 356 | 302 | | | | | |
| 11/7/2018 | | | | | 41.3 | 143 | 298 | 432 | 266 |
| 11/8/2018 | | | | | | | | | |
| 3/12/2019 | 295 | 484 | 297 | 275 | | | 284 | | |
| 3/13/2019 | | | | | 41.2 | | | | 299 |
| 3/14/2019 | | | | | | 238 | | 450 | |
| 10/15/2019 | | | 263 | 273 | | | 270 | | |
| 10/16/2019 | 235 | 493 | | | 42.1 | | | | 323 |
| 10/17/2019 | | | | | | 179 | | | |
| 10/18/2019 | | | | | | | | 336 | |
| 3/2/2020 | | 455 | | 264 | | | 181 | | |
| 3/3/2020 | 195 | | 213 | | 45.5 | | | | 292 |
| 3/4/2020 | | | | | | 176 | | 368 | |
| 3/9/2020 | | | | | | | | | |
| 9/22/2020 | | 423 | | 267 | 40.2 | | 183 | | 310 |
| 9/23/2020 | 178 | | | | | 111 | | 313 | |
| 9/24/2020 | | | 204 | | | | | | |
| 3/1/2021 | | | | | | | | | |
| 3/2/2021 | 152 | 412 | | 250 | 42.6 | | | | 324 |

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 2/14/2024 9:17 AM View: AP 234 Appendix III
Plant McDonough Data: McDonough AP

| | DGWC-8 | DGWC-5 | DGWC-10 | DGWC-11 | DGWC-14 | DGWC-47 | DGWC-12 | DGWC-48 | DGWC-19 |
|-----------|--------|--------|---------|---------|---------|---------|---------|---------|---------|
| 3/3/2021 | | | | | | 143 | 203 | 312 | |
| 3/4/2021 | | | 240 | | | | | | |
| 3/12/2021 | | | | | | | | | |
| 9/8/2021 | | | | | | | | | |
| 9/9/2021 | | | | 247 | 42.3 | | 126 | | 315 |
| 9/10/2021 | | 449 | 271 | | | 123 | | 272 | |
| 9/13/2021 | 145 | | | | | | | | |
| 1/18/2022 | | | | | | | | | |
| 1/20/2022 | | | | | | | | | |
| 1/21/2022 | | | | | | 135 | | | |
| 1/24/2022 | | 434 | | | | | | 265 | |
| 1/25/2022 | 134 | | | 250 | 44.4 | | 111 | | 288 |
| 1/26/2022 | | | 241 | | | | | | |
| 1/28/2022 | | | | | | | | | |
| 9/7/2022 | | | | | | | | | |
| 9/8/2022 | | | | | | | | | |
| 9/13/2022 | | | | | 41.2 | 150 | | 309 | |
| 9/14/2022 | | 505 | | | | | | | 388 |
| 9/15/2022 | 134 | | 229 | 287 | | | 191 | | |
| 9/16/2022 | | | | | | | | | |
| 9/19/2022 | | | | | | | | | |
| 9/20/2022 | | | | | | | | | |
| 1/31/2023 | | | | | | | | | |
| 2/1/2023 | | | | | 45.9 | | | | |
| 2/2/2023 | | | 235 | | | | | | |
| 2/3/2023 | | | | | | 138 | | 301 | |
| 2/6/2023 | | | | 273 | | | 142 | | 379 |
| 2/7/2023 | 118 | 577 | | | | | | | |
| 9/6/2023 | | | | | | | | | |
| 9/7/2023 | | | | | | | | | |
| 9/8/2023 | | | | 256 | 43.1 | | | | 369 |
| 9/11/2023 | | | 258 | | | | 132 | | |
| 9/12/2023 | 134 | | | | | 119 | | | |
| 9/13/2023 | | 576 | | | | | | 268 | |

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 2/14/2024 9:17 AM View: AP 234 Appendix III
 Plant McDonough Data: McDonough AP

| | DGWC-21 | DGWC-22 | DGWC-20 | DGWC-15 | DGWC-13 | DGWC-42 | DGWC-17 | DGWA-71 (bg) | DGWC-4 |
|------------|---------|---------|---------|---------|---------|---------|---------|--------------|--------|
| 8/30/2016 | | | | | | | | | |
| 8/31/2016 | | | | | | | | | |
| 9/1/2016 | | | | | | | | | |
| 9/2/2016 | 300 | 140 | 580 | | | | | | |
| 9/6/2016 | | | | 180 | 170 | | | | |
| 9/7/2016 | | | | | | 370 | 230 | | |
| 12/6/2016 | | | | | | | | | |
| 12/7/2016 | | | 650 | 180 | 160 | | | | |
| 12/8/2016 | 280 | 260 | | | | 350 | 240 | | |
| 3/28/2017 | | | | | | | | 17 | 680 |
| 3/29/2017 | | 290 | 640 | | | | | | |
| 3/30/2017 | 270 | | | 210 | 180 | | 260 | | |
| 3/31/2017 | | | | | | 380 | | | |
| 5/11/2017 | | | | | | | | | |
| 5/12/2017 | | | | | | | | 17 | 680 |
| 5/15/2017 | | | | | | | | | |
| 6/15/2017 | | | | | | | | | 730 |
| 6/16/2017 | | | | | | | | 11 | |
| 7/11/2017 | | | | | | | | 11 | 740 |
| 7/12/2017 | 290 | | 630 | 170 | 170 | | 230 | | |
| 7/13/2017 | | 300 | | | | 370 | | | |
| 8/8/2017 | | | | | | | | | |
| 10/24/2017 | | | | | | | | 9.6 | 930 |
| 10/25/2017 | 290 | 290 | 610 | 180 | | 370 | 240 | | |
| 10/26/2017 | | | | | | | | | |
| 11/15/2017 | | | | | 180 | | | 7.8 | 820 |
| 2/27/2018 | | | | | | | | 7.4 | 811 |
| 2/28/2018 | 267 | 278 | 584 | 168 | 43.5 | 350 | 203 | | |
| 3/1/2018 | | | | | | | | | |
| 3/2/2018 | | | | | | | | | |
| 3/8/2018 | | | | | | | | | |
| 7/11/2018 | 277 | | 501 | 154 | | 366 | 234 | | |
| 7/12/2018 | | 197 | | | | | | | |
| 11/6/2018 | | | | | | | | 7.3 | 902 |
| 11/7/2018 | 286 | 320 | 554 | 168 | 162 | 439 | 248 | | |
| 11/8/2018 | | | | | | | | | |
| 3/12/2019 | | | | | | | | 7 | 987 |
| 3/13/2019 | 312 | | 539 | | 179 | | 268 | | |
| 3/14/2019 | | 297 | | 195 | | 404 | | | |
| 10/15/2019 | | | | | | | | 7.4 | 888 |
| 10/16/2019 | | | | | 167 | | | | |
| 10/17/2019 | 255 | | 426 | 146 | | 321 | | | |
| 10/18/2019 | | 254 | | | | | 222 | | |
| 3/2/2020 | | | | | | | | 8.5 | 840 |
| 3/3/2020 | 269 | 242 | | 148 | 157 | | | | |
| 3/4/2020 | | | 434 | | | 329 | 222 | | |
| 3/9/2020 | | | | | | | | | |
| 9/22/2020 | | | 408 | | | 320 | | 6.5 | 800 |
| 9/23/2020 | | | | 146 | 134 | | | | |
| 9/24/2020 | 269 | 262 | | | | | 259 | | |
| 3/1/2021 | | | | | | | | 5.2 | 840 |
| 3/2/2021 | | | 458 | 148 | 131 | | | | |

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 2/14/2024 9:17 AM View: AP 234 Appendix III
 Plant McDonough Data: McDonough AP

| | DGWC-21 | DGWC-22 | DGWC-20 | DGWC-15 | DGWC-13 | DGWC-42 | DGWC-17 | DGWA-71 (bg) | DGWC-4 |
|-----------|---------|---------|---------|---------|---------|---------|---------|--------------|--------|
| 3/3/2021 | 264 | 252 | | | | 329 | 237 | | |
| 3/4/2021 | | | | | | | | | |
| 3/12/2021 | | | | | | | | | |
| 9/8/2021 | | | | | | | | 6.1 | |
| 9/9/2021 | 238 | | | 139 | 127 | | | | |
| 9/10/2021 | | 234 | 399 | | | | | | 823 |
| 9/13/2021 | | | | | | 285 | 222 | | |
| 1/18/2022 | | | | | | | | 6.3 | |
| 1/20/2022 | 223 | 221 | | | | 281 | | | |
| 1/21/2022 | | | 406 | | | | | | |
| 1/24/2022 | | | | 127 | | | 225 | | 816 |
| 1/25/2022 | | | | | 116 | | | | |
| 1/26/2022 | | | | | | | | | |
| 1/28/2022 | | | | | | | | | |
| 9/7/2022 | | | | | | | | 7 | |
| 9/8/2022 | | | | | | | | | |
| 9/13/2022 | | | | 145 | | 326 | | | |
| 9/14/2022 | | | | | | | 268 | | |
| 9/15/2022 | 268 | | 462 | | 133 | | | | |
| 9/16/2022 | | 265 | | | | | | | |
| 9/19/2022 | | | | | | | | | 925 |
| 9/20/2022 | | | | | | | | | |
| 1/31/2023 | | | | | | | | 6.8 | |
| 2/1/2023 | | | | | 97.5 | 313 | | | |
| 2/2/2023 | | | | 137 | | | | | |
| 2/3/2023 | | | | | | | | | 949 |
| 2/6/2023 | | 235 | | | | | 262 | | |
| 2/7/2023 | 285 | | 517 | | | | | | |
| 9/6/2023 | | | | | | | | 7.2 | |
| 9/7/2023 | | | | | | | | | |
| 9/8/2023 | | | | 126 | 98.7 | | | | |
| 9/11/2023 | 268 | 236 | 552 | | | | | | |
| 9/12/2023 | | | | | | | | | |
| 9/13/2023 | | | | | | 294 | 255 | | 852 |

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 2/14/2024 9:17 AM View: AP 234 Appendix III
 Plant McDonough Data: McDonough AP

| | DGWA-53 (bg) | DGWA-70A (bg) | DGWC-2 | DGWC-23 |
|------------|--------------|---------------|--------|---------|
| 8/30/2016 | | | | |
| 8/31/2016 | | | | |
| 9/1/2016 | | | | |
| 9/2/2016 | | | | |
| 9/6/2016 | | | | |
| 9/7/2016 | | | | |
| 12/6/2016 | | | | |
| 12/7/2016 | | | | |
| 12/8/2016 | | | | |
| 3/28/2017 | 49 | 2.7 | | |
| 3/29/2017 | | | | |
| 3/30/2017 | | | 360 | 220 |
| 3/31/2017 | | | | |
| 5/11/2017 | 21 | | 340 | |
| 5/12/2017 | | | | 220 |
| 5/15/2017 | | 1 | | |
| 6/15/2017 | 16 | 0.86 (J) | 300 | 200 |
| 6/16/2017 | | | | |
| 7/11/2017 | | 1.4 | 330 | |
| 7/12/2017 | 10 | | | 220 |
| 7/13/2017 | | | | |
| 8/8/2017 | | 1.5 | | |
| 10/24/2017 | 15 | 1.4 | 260 | |
| 10/25/2017 | | | | |
| 10/26/2017 | | | | 220 |
| 11/15/2017 | 3.8 | | | |
| 2/27/2018 | | 0.54 (J) | 189 | |
| 2/28/2018 | | | | |
| 3/1/2018 | | | | 209 |
| 3/2/2018 | | | | |
| 3/8/2018 | 9.7 | | | |
| 7/11/2018 | | | 162 | |
| 7/12/2018 | 8 | | | 202 |
| 11/6/2018 | | <1 (J) | 190 | |
| 11/7/2018 | 12.8 | | | |
| 11/8/2018 | | | | 292 |
| 3/12/2019 | | 0.35 (J) | 159 | |
| 3/13/2019 | 23.7 | | | |
| 3/14/2019 | | | | 266 |
| 10/15/2019 | | 0.16 (J) | | |
| 10/16/2019 | 15.1 | | | |
| 10/17/2019 | | | 134 | |
| 10/18/2019 | | | | 203 |
| 3/2/2020 | | <1 | | |
| 3/3/2020 | | | 118 | |
| 3/4/2020 | | | | 204 |
| 3/9/2020 | 9.5 | | | |
| 9/22/2020 | 13.5 | <1 | | |
| 9/23/2020 | | | 122 | |
| 9/24/2020 | | | | 215 |
| 3/1/2021 | | <1 | | |
| 3/2/2021 | | | 112 | |

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 2/14/2024 9:17 AM View: AP 234 Appendix III
Plant McDonough Data: McDonough AP

| | DGWA-53 (bg) | DGWA-70A (bg) | DGWC-2 | DGWC-23 |
|-----------|--------------|---------------|--------|---------|
| 3/3/2021 | | | | 221 |
| 3/4/2021 | | | | |
| 3/12/2021 | 8.8 | | | |
| 9/8/2021 | | | | |
| 9/9/2021 | 11.9 | <1 | 110 | 217 |
| 9/10/2021 | | | | |
| 9/13/2021 | | | | |
| 1/18/2022 | | <1 | | |
| 1/20/2022 | | | 101 | 211 |
| 1/21/2022 | | | | |
| 1/24/2022 | | | | |
| 1/25/2022 | | | | |
| 1/26/2022 | | | | |
| 1/28/2022 | 13.1 | | | |
| 9/7/2022 | | <1 | | |
| 9/8/2022 | 12 | | | |
| 9/13/2022 | | | | |
| 9/14/2022 | | | | |
| 9/15/2022 | | | | |
| 9/16/2022 | | | | |
| 9/19/2022 | | | | |
| 9/20/2022 | | | 98.4 | 242 |
| 1/31/2023 | | <1 | | |
| 2/1/2023 | 13.3 | | | |
| 2/2/2023 | | | | |
| 2/3/2023 | | | | |
| 2/6/2023 | | | 96.4 | 262 |
| 2/7/2023 | | | | |
| 9/6/2023 | | <1 | | |
| 9/7/2023 | 15.4 | | | |
| 9/8/2023 | | | | |
| 9/11/2023 | | | | 275 |
| 9/12/2023 | | | | |
| 9/13/2023 | | | 95.5 | |

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 2/14/2024 9:17 AM View: AP 234 Appendix III

Plant McDonough Data: McDonough AP

| | DGWC-8 | DGWC-10 | DGWC-11 | DGWC-14 | DGWC-5 | DGWC-12 | DGWC-19 | DGWC-48 | DGWC-47 |
|------------|--------|---------|---------|---------|--------|---------|---------|---------|---------|
| 8/30/2016 | 693 | | | | | | | | |
| 8/31/2016 | | 525 | 307 | 106 | 524 | | | | |
| 9/1/2016 | | | | | | 568 | 396 | 845 | 704 |
| 9/2/2016 | | | | | | | | | |
| 9/6/2016 | | | | | | | | | |
| 9/7/2016 | | | | | | | | | |
| 12/6/2016 | 727 | 595 | 358 | 138 | 690 | | | | |
| 12/7/2016 | | | | | | 559 | 400 | | |
| 12/8/2016 | | | | | | | | 777 | 587 |
| 3/28/2017 | | | | | 545 | | | | |
| 3/29/2017 | 654 | 525 | 300 | 102 | | 550 | 390 | | |
| 3/30/2017 | | | | | | | | 775 | |
| 3/31/2017 | | | | | | | | | 545 |
| 5/11/2017 | | | | | | | | | |
| 5/12/2017 | | | | | | | | | |
| 5/15/2017 | | | | | | | | | |
| 6/15/2017 | | | | | | | | | |
| 6/16/2017 | | | | | | | | | |
| 7/11/2017 | 679 | | | | 612 | | | | |
| 7/12/2017 | | 598 | 382 | 118 | | 594 | 360 | | |
| 7/13/2017 | | | | | | | | 789 | 441 |
| 8/8/2017 | | | | | | | | | |
| 10/24/2017 | 468 | 353 | 342 | | | | | | |
| 10/25/2017 | | | | 88 | 650 | 571 | 423 | | |
| 10/26/2017 | | | | | | | | 753 | 444 |
| 11/15/2017 | | 582 | | | | | | | |
| 2/27/2018 | 520 | 542 | 393 | 99 | 698 | 582 | | | |
| 2/28/2018 | | | | | | | 440 | | |
| 3/1/2018 | | | | | | | | | 435 |
| 3/2/2018 | | | | | | | | 704 | |
| 3/8/2018 | | | | | | | | | |
| 7/11/2018 | | | | 119 | | 593 | 457 | | |
| 7/12/2018 | | | | | | | | 705 | 372 |
| 11/6/2018 | 456 | 512 | 412 | | 809 | | | | |
| 11/7/2018 | | | | 113 | | 504 | 461 | 678 | 348 |
| 11/8/2018 | | | | | | | | | |
| 3/12/2019 | 438 | 436 | 433 | | 711 | 465 | | | |
| 3/13/2019 | | | | 280 | | | 113 | | |
| 3/14/2019 | | | | | | | | 625 | 378 |
| 10/15/2019 | | 447 | 461 | | | 472 | | | |
| 10/16/2019 | 374 | | | 104 | 702 | | 500 | | |
| 10/17/2019 | | | | | | | | | 327 |
| 10/18/2019 | | | | | | | | 593 | |
| 3/2/2020 | | | 458 | | 759 | 338 | | | |
| 3/3/2020 | 369 | 382 | | 123 | | | 526 | | |
| 3/4/2020 | | | | | | | | 630 | 334 |
| 3/9/2020 | | | | | | | | | |
| 9/22/2020 | | | 481 | 105 | 716 | 338 | 513 | | |
| 9/23/2020 | 333 | | | | | | | 575 | 229 |
| 9/24/2020 | | 283 | | | | | | | |
| 3/1/2021 | | | | | | | | | |
| 3/2/2021 | 291 | | 456 | 105 | 730 | | 513 | | |

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 2/14/2024 9:17 AM View: AP 234 Appendix III
 Plant McDonough Data: McDonough AP

| | DGWC-8 | DGWC-10 | DGWC-11 | DGWC-14 | DGWC-5 | DGWC-12 | DGWC-19 | DGWC-48 | DGWC-47 |
|-----------|--------|---------|---------|---------|--------|---------|---------|---------|---------|
| 3/3/2021 | | | | | | 325 | | 521 | 228 |
| 3/4/2021 | | 430 | | | | | | | |
| 3/12/2021 | | | | | | | | | |
| 9/8/2021 | | | | | | | | | |
| 9/9/2021 | | | 433 | 99 | | 275 | 480 | | |
| 9/10/2021 | | 474 | | | 792 | | | 532 | 274 |
| 9/13/2021 | 306 | | | | | | | | |
| 1/18/2022 | | | | | | | | | |
| 1/20/2022 | | | | | | | | | |
| 1/21/2022 | | | | | | | | | 289 |
| 1/24/2022 | | | | | 810 | | | 500 | |
| 1/25/2022 | 281 | | 465 | 120 | | 258 | 694 | | |
| 1/26/2022 | | 425 | | | | | | | |
| 1/28/2022 | | | | | | | | | |
| 9/7/2022 | | | | | | | | | |
| 9/8/2022 | | | | | | | | | |
| 9/13/2022 | | | | 80 | | | | 527 | 277 |
| 9/14/2022 | | | | | 850 | | 572 | | |
| 9/15/2022 | 234 | 280 | 414 | | | 377 | | | |
| 9/16/2022 | | | | | | | | | |
| 9/19/2022 | | | | | | | | | |
| 9/20/2022 | | | | | | | | | |
| 1/31/2023 | | | | | | | | | |
| 2/1/2023 | | | | 116 | | | | | |
| 2/2/2023 | | 390 | | | | | | | |
| 2/3/2023 | | | | | | | | 527 | 259 |
| 2/6/2023 | | | 481 | | | 251 | 600 | | |
| 2/7/2023 | 223 | | | | 939 | | | | |
| 9/6/2023 | | | | | | | | | |
| 9/7/2023 | | | | | | | | | |
| 9/8/2023 | | | 451 | 156 | | | 634 | | |
| 9/11/2023 | | 436 | | | | 302 | | | |
| 9/12/2023 | 251 | | | | | | | | 218 |
| 9/13/2023 | | | | | 1020 | | | 473 | |

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 2/14/2024 9:17 AM View: AP 234 Appendix III
 Plant McDonough Data: McDonough AP

| | DGWC-21 | DGWC-22 | DGWC-20 | DGWC-13 | DGWC-15 | DGWC-17 | DGWC-42 | DGWA-53 (bg) | DGWC-4 |
|------------|---------|---------|---------|---------|---------|---------|---------|--------------|--------|
| 8/30/2016 | | | | | | | | | |
| 8/31/2016 | | | | | | | | | |
| 9/1/2016 | | | | | | | | | |
| 9/2/2016 | 459 | 502 | 1100 | | | | | | |
| 9/6/2016 | | | | 296 | 304 | | | | |
| 9/7/2016 | | | | | | 353 | 611 | | |
| 12/6/2016 | | | | | | | | | |
| 12/7/2016 | | | 930 | 270 | 287 | | | | |
| 12/8/2016 | 491 | 464 | | | | 408 | 535 | | |
| 3/28/2017 | | | | | | | | 202 | 1160 |
| 3/29/2017 | | 462 | 923 | | | | | | |
| 3/30/2017 | 436 | | | 287 | 312 | 338 | | | |
| 3/31/2017 | | | | | | | 661 | | |
| 5/11/2017 | | | | | | | | 241 | |
| 5/12/2017 | | | | | | | | | 1230 |
| 5/15/2017 | | | | | | | | | |
| 6/15/2017 | | | | | | | | 251 | 1290 |
| 6/16/2017 | | | | | | | | | |
| 7/11/2017 | | | | | | | | | 1160 |
| 7/12/2017 | 505 | | 956 | 312 | 490 (O) | 417 | | 218 | |
| 7/13/2017 | | 492 | | | | | 641 | | |
| 8/8/2017 | | | | | | | | | |
| 10/24/2017 | | | | | | | | 671 (O) | 229 |
| 10/25/2017 | 474 | 477 | 854 | | 290 | 343 | 626 | | |
| 10/26/2017 | | | | | | | | | |
| 11/15/2017 | | | | 325 | | | | 241 | 1330 |
| 2/27/2018 | | | | | | | | | 1380 |
| 2/28/2018 | 480 | 476 | 888 | 84 | 313 | 364 | 616 | | |
| 3/1/2018 | | | | | | | | | |
| 3/2/2018 | | | | | | | | | |
| 3/8/2018 | | | | | | | | 213 | |
| 7/11/2018 | 485 | | 826 | | 320 | 393 | 638 | | |
| 7/12/2018 | | 486 | | | | | | 198 | |
| 11/6/2018 | | | | | | | | | 1480 |
| 11/7/2018 | 516 | 511 | 834 | 314 | 325 | 408 | 626 | 200 | |
| 11/8/2018 | | | | | | | | | |
| 3/12/2019 | | | | | | | | | 1490 |
| 3/13/2019 | 486 | | 639 | 656 | | 802 | | 201 | |
| 3/14/2019 | | 491 | | | 340 | | 630 | | |
| 10/15/2019 | | | | | | | | | 1520 |
| 10/16/2019 | | | | 296 | | | | 126 | |
| 10/17/2019 | 498 | | 751 | | 319 | | 612 | | |
| 10/18/2019 | | 480 | | | | 403 | | | |
| 3/2/2020 | | | | | | | | | 1540 |
| 3/3/2020 | 490 | 452 | | 263 | 323 | | | | |
| 3/4/2020 | | | 761 | | | 414 | 721 | | |
| 3/9/2020 | | | | | | | | 171 | |
| 9/22/2020 | | | 724 | | | | 547 | 142 | 1400 |
| 9/23/2020 | | | | 278 | 317 | | | | |
| 9/24/2020 | 494 | 455 | | | | 411 | | | |
| 3/1/2021 | | | | | | | | | 1140 |
| 3/2/2021 | | | 742 | 256 | 272 | | | | |

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 2/14/2024 9:17 AM View: AP 234 Appendix III
 Plant McDonough Data: McDonough AP

| | DGWC-21 | DGWC-22 | DGWC-20 | DGWC-13 | DGWC-15 | DGWC-17 | DGWC-42 | DGWA-53 (bg) | DGWC-4 |
|-----------|---------|---------|---------|---------|---------|---------|---------|--------------|--------|
| 3/3/2021 | 459 | 442 | | | | 384 | 531 | | |
| 3/4/2021 | | | | | | | | | |
| 3/12/2021 | | | | | | | | 124 | |
| 9/8/2021 | | | | | | | | | |
| 9/9/2021 | 396 | | | 246 | 292 | | | 131 | |
| 9/10/2021 | | 468 | 678 | | | | | | 1520 |
| 9/13/2021 | | | | | | 424 | 508 | | |
| 1/18/2022 | | | | | | | | | |
| 1/20/2022 | 451 | 434 | | | | | 504 | | |
| 1/21/2022 | | | 702 | | | | | | |
| 1/24/2022 | | | | | 294 | 426 | | | 1520 |
| 1/25/2022 | | | | 256 | | | | | |
| 1/26/2022 | | | | | | | | | |
| 1/28/2022 | | | | | | | | 155 | |
| 9/7/2022 | | | | | | | | | |
| 9/8/2022 | | | | | | | | 129 | |
| 9/13/2022 | | | | | 289 | | 540 | | |
| 9/14/2022 | | | | | | 434 | | | |
| 9/15/2022 | 440 | | 618 | 216 | | | | | |
| 9/16/2022 | | 462 | | | | | | | |
| 9/19/2022 | | | | | | | | | 1670 |
| 9/20/2022 | | | | | | | | | |
| 1/31/2023 | | | | | | | | | |
| 2/1/2023 | | | | 216 | | | 541 | 116 | |
| 2/2/2023 | | | | | 288 | | | | |
| 2/3/2023 | | | | | | | | | 1630 |
| 2/6/2023 | | 427 | | | | 403 | | | |
| 2/7/2023 | 498 | | 848 | | | | | | |
| 9/6/2023 | | | | | | | | | |
| 9/7/2023 | | | | | | | | 123 | |
| 9/8/2023 | | | | 217 | 274 | | | | |
| 9/11/2023 | 519 | 460 | 960 | | | | | | |
| 9/12/2023 | | | | | | | | | |
| 9/13/2023 | | | | | | 480 | 545 | | 1520 |

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 2/14/2024 9:17 AM View: AP 234 Appendix III
Plant McDonough Data: McDonough AP

| | DGWA-71 (bg) | DGWA-70A (bg) | DGWC-23 | DGWC-2 |
|------------|--------------|---------------|---------|--------|
| 8/30/2016 | | | | |
| 8/31/2016 | | | | |
| 9/1/2016 | | | | |
| 9/2/2016 | | | | |
| 9/6/2016 | | | | |
| 9/7/2016 | | | | |
| 12/6/2016 | | | | |
| 12/7/2016 | | | | |
| 12/8/2016 | | | | |
| 3/28/2017 | 90 | 39 | | |
| 3/29/2017 | | | | |
| 3/30/2017 | | | 380 | 580 |
| 3/31/2017 | | | | |
| 5/11/2017 | | | | 573 |
| 5/12/2017 | 92 | | 438 | |
| 5/15/2017 | | 88 | | |
| 6/15/2017 | | 65 | 458 | 626 |
| 6/16/2017 | 100 | | | |
| 7/11/2017 | 59 | 25 | | 542 |
| 7/12/2017 | | | 461 | |
| 7/13/2017 | | | | |
| 8/8/2017 | | 53 | | |
| 10/24/2017 | 117 | 49 | | 523 |
| 10/25/2017 | | | | |
| 10/26/2017 | | | 446 | |
| 11/15/2017 | 90 | | | |
| 2/27/2018 | 79 | 43 | | 401 |
| 2/28/2018 | | | | |
| 3/1/2018 | | | 454 | |
| 3/2/2018 | | | | |
| 3/8/2018 | | | | |
| 7/11/2018 | | | | 334 |
| 7/12/2018 | | | 432 | |
| 11/6/2018 | 85 | 65 | | 334 |
| 11/7/2018 | | | | |
| 11/8/2018 | | | 450 | |
| 3/12/2019 | 74 | 43 | | 297 |
| 3/13/2019 | | | | |
| 3/14/2019 | | | 453 | |
| 10/15/2019 | 89 | 70 | | |
| 10/16/2019 | | | | |
| 10/17/2019 | | | | 302 |
| 10/18/2019 | | | 448 | |
| 3/2/2020 | 67 | 52 | | |
| 3/3/2020 | | | | 277 |
| 3/4/2020 | | | 408 | |
| 3/9/2020 | | | | |
| 9/22/2020 | 74 | 46 | | |
| 9/23/2020 | | | | 267 |
| 9/24/2020 | | | 456 | |
| 3/1/2021 | 62 | 25 | | |
| 3/2/2021 | | | | 241 |

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 2/14/2024 9:17 AM View: AP 234 Appendix III
Plant McDonough Data: McDonough AP

| | DGWA-71 (bg) | DGWA-70A (bg) | DGWC-23 | DGWC-2 |
|-----------|--------------|---------------|---------|--------|
| 3/3/2021 | | | 425 | |
| 3/4/2021 | | | | |
| 3/12/2021 | | | | |
| 9/8/2021 | 75 | | | |
| 9/9/2021 | | 53 | 455 | 260 |
| 9/10/2021 | | | | |
| 9/13/2021 | | | | |
| 1/18/2022 | 76 | 54 | | |
| 1/20/2022 | | | 453 | 238 |
| 1/21/2022 | | | | |
| 1/24/2022 | | | | |
| 1/25/2022 | | | | |
| 1/26/2022 | | | | |
| 1/28/2022 | | | | |
| 9/7/2022 | 82 | 34 | | |
| 9/8/2022 | | | | |
| 9/13/2022 | | | | |
| 9/14/2022 | | | | |
| 9/15/2022 | | | | |
| 9/16/2022 | | | | |
| 9/19/2022 | | | | |
| 9/20/2022 | | | 511 | 230 |
| 1/31/2023 | 87 | 163 | | |
| 2/1/2023 | | | | |
| 2/2/2023 | | | | |
| 2/3/2023 | | | | |
| 2/6/2023 | | | 532 | 226 |
| 2/7/2023 | | | | |
| 9/6/2023 | 80 | 46 | | |
| 9/7/2023 | | | | |
| 9/8/2023 | | | | |
| 9/11/2023 | | | 582 | |
| 9/12/2023 | | | | |
| 9/13/2023 | | | | 212 |

FIGURE E.

Appendix III Trend Tests - Significant Results

Plant McDonough Data: McDonough AP Printed 2/14/2024, 9:24 AM

| Constituent | Well | Slope | Calc. | Critical | Sig. | N | %NDs | Normality | Alpha | Method |
|-------------------------------------|--------------|-----------|-------|----------|------|----|------|-----------|-------|--------|
| Boron (mg/L) | DGWA-53 (bg) | -0.003815 | -70 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-10 | -0.5759 | -110 | -63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-11 | 0.09451 | 112 | 63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-12 | -1.276 | -124 | -74 | Yes | 19 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-13 | -0.05186 | -72 | -63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-17 | 0.03666 | 81 | 68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-19 | -0.1622 | -91 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-2 | -0.1753 | -146 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-20 | -0.6233 | -117 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-4 | 0.221 | 85 | 63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-48 | -0.05724 | -114 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-8 | -0.3198 | -121 | -63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWA-53 (bg) | -3.489 | -105 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWC-11 | 3.104 | 76 | 63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWC-19 | 6.413 | 134 | 68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWC-21 | 2.023 | 93 | 68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWC-23 | 3.033 | 92 | 68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWC-4 | 13.75 | 78 | 63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWC-48 | -6.589 | -131 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWC-5 | 7.884 | 96 | 63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWA-53 (bg) | -0.1444 | -106 | -74 | Yes | 19 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWA-71 (bg) | 0.6112 | 69 | 68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-19 | -3.845 | -131 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-20 | 2.004 | 124 | 68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-21 | -0.9359 | -119 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-22 | -2.053 | -126 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-23 | -0.7935 | -125 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-4 | -3.234 | -147 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-42 | -2.693 | -125 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Fluoride (mg/L) | DGWC-47 | -0.1218 | -108 | -81 | Yes | 20 | 0 | n/a | 0.01 | NP |
| Fluoride (mg/L) | DGWC-48 | -0.143 | -106 | -81 | Yes | 20 | 0 | n/a | 0.01 | NP |
| pH, Field (SU) | DGWC-19 | 0.03073 | 83 | 81 | Yes | 20 | 0 | n/a | 0.01 | NP |
| pH, Field (SU) | DGWC-20 | -0.03796 | -90 | -74 | Yes | 19 | 0 | n/a | 0.01 | NP |
| pH, Field (SU) | DGWC-42 | -0.03328 | -82 | -81 | Yes | 20 | 0 | n/a | 0.01 | NP |
| pH, Field (SU) | DGWC-47 | -0.1547 | -93 | -81 | Yes | 20 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWA-71 (bg) | -0.7648 | -99 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-12 | -39.62 | -98 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-13 | -10.7 | -78 | -63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-15 | -8.111 | -113 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-19 | 18.84 | 104 | 68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-2 | -36.13 | -145 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-20 | -34.76 | -81 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-42 | -11.69 | -86 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-47 | -36.55 | -118 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-48 | -44.14 | -128 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-8 | -59.54 | -125 | -63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWA-53 (bg) | -19.82 | -110 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-10 | -28.26 | -75 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-11 | 20.89 | 82 | 63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-12 | -53.95 | -104 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-17 | 10.64 | 71 | 68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-19 | 33.89 | 108 | 68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-20 | -46.69 | -75 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-22 | -6 | -70 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-4 | 66.91 | 92 | 68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-48 | -52.69 | -132 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-5 | 48.86 | 112 | 63 | Yes | 17 | 0 | n/a | 0.01 | NP |

Appendix III Trend Tests - All Results

Plant McDonough Data: McDonough AP Printed 2/14/2024, 9:24 AM

| Constituent | Well | Slope | Calc. | Critical | Sig. | N | %NDs | Normality | Alpha | Method |
|------------------------|---------------------|------------------|-------------|------------|------------|-----------|----------|------------|-------------|-----------|
| Boron (mg/L) | DGWA-53 (bg) | -0.003815 | -70 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWA-70A (bg) | 0 | 12 | 68 | No | 18 | 50 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWA-71 (bg) | 0.0006045 | 25 | 63 | No | 17 | 23.53 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-10 | -0.5759 | -110 | -63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-11 | 0.09451 | 112 | 63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-12 | -1.276 | -124 | -74 | Yes | 19 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-13 | -0.05186 | -72 | -63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-15 | 0 | -5 | -68 | No | 18 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-17 | 0.03666 | 81 | 68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-19 | -0.1622 | -91 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-2 | -0.1753 | -146 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-20 | -0.6233 | -117 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-21 | 0.1999 | 41 | 68 | No | 18 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-22 | 0.02707 | 12 | 68 | No | 18 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-23 | 0.05045 | 26 | 68 | No | 18 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-4 | 0.221 | 85 | 63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-42 | 0 | -3 | -68 | No | 18 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-48 | -0.05724 | -114 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-5 | -0.2186 | -39 | -63 | No | 17 | 0 | n/a | 0.01 | NP |
| Boron (mg/L) | DGWC-8 | -0.3198 | -121 | -63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWA-53 (bg) | -3.489 | -105 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWA-70A (bg) | 0.04315 | 15 | 68 | No | 18 | 5.556 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWA-71 (bg) | -0.2966 | -37 | -63 | No | 17 | 5.882 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWC-10 | -2.19 | -50 | -63 | No | 17 | 0 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWC-11 | 3.104 | 76 | 63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWC-19 | 6.413 | 134 | 68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWC-20 | -2.43 | -9 | -68 | No | 18 | 0 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWC-21 | 2.023 | 93 | 68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWC-22 | -0.1226 | -6 | -68 | No | 18 | 0 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWC-23 | 3.033 | 92 | 68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWC-4 | 13.75 | 78 | 63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWC-48 | -6.589 | -131 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Calcium (mg/L) | DGWC-5 | 7.884 | 96 | 63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWA-53 (bg) | -0.1444 | -106 | -74 | Yes | 19 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWA-70A (bg) | -0.03406 | -39 | -68 | No | 18 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWA-71 (bg) | 0.6112 | 69 | 68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-10 | -0.3698 | -50 | -68 | No | 18 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-11 | 0.1938 | 27 | 63 | No | 17 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-13 | -0.371 | -36 | -63 | No | 17 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-15 | 0.2322 | 51 | 68 | No | 18 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-17 | 0.04704 | 10 | 68 | No | 18 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-19 | -3.845 | -131 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-20 | 2.004 | 124 | 68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-21 | -0.9359 | -119 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-22 | -2.053 | -126 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-23 | -0.7935 | -125 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-4 | -3.234 | -147 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-42 | -2.693 | -125 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-5 | 0.2165 | 53 | 63 | No | 17 | 0 | n/a | 0.01 | NP |
| Chloride (mg/L) | DGWC-8 | -0.1733 | -55 | -63 | No | 17 | 0 | n/a | 0.01 | NP |
| Fluoride (mg/L) | DGWA-53 (bg) | -0.002688 | -18 | -87 | No | 21 | 9.524 | n/a | 0.01 | NP |
| Fluoride (mg/L) | DGWA-70A (bg) | 0 | 45 | 74 | No | 19 | 63.16 | n/a | 0.01 | NP |
| Fluoride (mg/L) | DGWA-71 (bg) | 0 | 13 | 81 | No | 20 | 75 | n/a | 0.01 | NP |
| Fluoride (mg/L) | DGWC-10 | -0.02603 | -18 | -81 | No | 20 | 0 | n/a | 0.01 | NP |
| Fluoride (mg/L) | DGWC-20 | 0.07002 | 52 | 81 | No | 20 | 5 | n/a | 0.01 | NP |
| Fluoride (mg/L) | DGWC-47 | -0.1218 | -108 | -81 | Yes | 20 | 0 | n/a | 0.01 | NP |
| Fluoride (mg/L) | DGWC-48 | -0.143 | -106 | -81 | Yes | 20 | 0 | n/a | 0.01 | NP |
| pH, Field (SU) | DGWA-53 (bg) | 0.02783 | 39 | 87 | No | 21 | 0 | n/a | 0.01 | NP |
| pH, Field (SU) | DGWA-70A (bg) | -0.02199 | -46 | -81 | No | 20 | 0 | n/a | 0.01 | NP |
| pH, Field (SU) | DGWA-71 (bg) | 0.004559 | 10 | 87 | No | 21 | 0 | n/a | 0.01 | NP |
| pH, Field (SU) | DGWC-10 | -0.007748 | -14 | -87 | No | 21 | 0 | n/a | 0.01 | NP |
| pH, Field (SU) | DGWC-17 | 0 | 1 | 87 | No | 21 | 0 | n/a | 0.01 | NP |
| pH, Field (SU) | DGWC-19 | 0.03073 | 83 | 81 | Yes | 20 | 0 | n/a | 0.01 | NP |
| pH, Field (SU) | DGWC-20 | -0.03796 | -90 | -74 | Yes | 19 | 0 | n/a | 0.01 | NP |
| pH, Field (SU) | DGWC-42 | -0.03328 | -82 | -81 | Yes | 20 | 0 | n/a | 0.01 | NP |
| pH, Field (SU) | DGWC-47 | -0.1547 | -93 | -81 | Yes | 20 | 0 | n/a | 0.01 | NP |
| pH, Field (SU) | DGWC-48 | -0.03517 | -68 | -81 | No | 20 | 0 | n/a | 0.01 | NP |
| pH, Field (SU) | DGWC-5 | 0.05723 | 76 | 81 | No | 20 | 0 | n/a | 0.01 | NP |

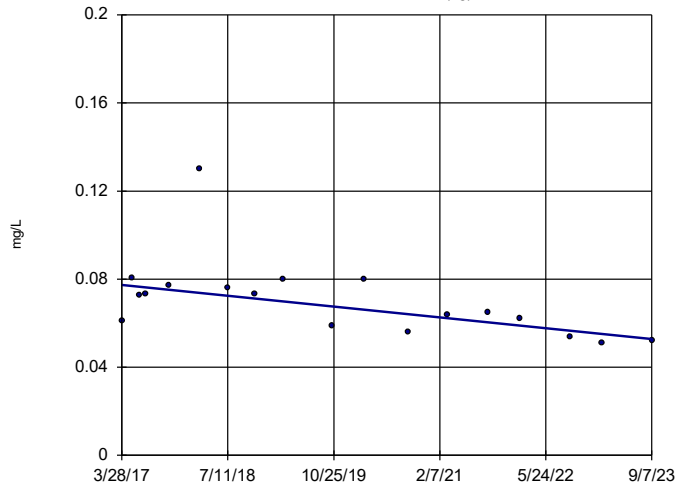
Appendix III Trend Tests - All Results

Plant McDonough Data: McDonough AP Printed 2/14/2024, 9:24 AM

| Constituent | Well | Slope | Calc. | Critical | Sig. | N | %NDs | Normality | Alpha | Method |
|--|---------------------|----------------|-------------|------------|------------|-----------|----------|------------|-------------|-----------|
| pH, Field (SU) | DGWC-8 | -0.007763 | -16 | -81 | No | 20 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWA-53 (bg) | -0.3271 | -19 | -74 | No | 19 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWA-70A (bg) | 0 | -25 | -68 | No | 18 | 50 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWA-71 (bg) | -0.7648 | -99 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-10 | -24.62 | -68 | -68 | No | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-11 | 10.22 | 58 | 63 | No | 17 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-12 | -39.62 | -98 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-13 | -10.7 | -78 | -63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-15 | -8.111 | -113 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-17 | 1.585 | 21 | 68 | No | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-19 | 18.84 | 104 | 68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-2 | -36.13 | -145 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-20 | -34.76 | -81 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-21 | -4.246 | -62 | -68 | No | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-22 | -6.334 | -36 | -68 | No | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-23 | 2.55 | 37 | 68 | No | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-4 | 23.78 | 61 | 68 | No | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-42 | -11.69 | -86 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-47 | -36.55 | -118 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-48 | -44.14 | -128 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-5 | 11.49 | 36 | 63 | No | 17 | 0 | n/a | 0.01 | NP |
| Sulfate (mg/L) | DGWC-8 | -59.54 | -125 | -63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWA-53 (bg) | -19.82 | -110 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWA-70A (bg) | 0 | 0 | 68 | No | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWA-71 (bg) | -1.946 | -37 | -68 | No | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-10 | -28.26 | -75 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-11 | 20.89 | 82 | 63 | Yes | 17 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-12 | -53.95 | -104 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-15 | -2.912 | -28 | -63 | No | 17 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-17 | 10.64 | 71 | 68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-19 | 33.89 | 108 | 68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-20 | -46.69 | -75 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-21 | 1.49 | 11 | 68 | No | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-22 | -6 | -70 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-23 | 9.626 | 54 | 68 | No | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-4 | 66.91 | 92 | 68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-42 | -17.14 | -56 | -68 | No | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-48 | -52.69 | -132 | -68 | Yes | 18 | 0 | n/a | 0.01 | NP |
| Total Dissolved Solids [TDS] (mg/L) | DGWC-5 | 48.86 | 112 | 63 | Yes | 17 | 0 | n/a | 0.01 | NP |

Sen's Slope Estimator

DGWA-53 (bg)

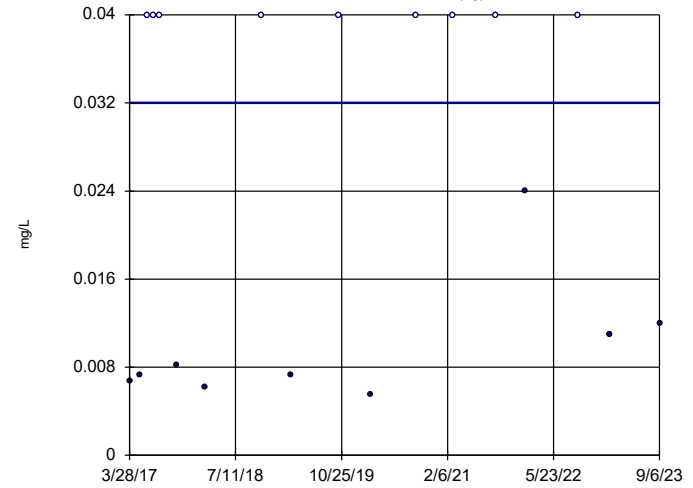


n = 18
 Slope = -0.003815
 units per year.
 Mann-Kendall
 statistic = -70
 critical = -68
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWA-70A (bg)

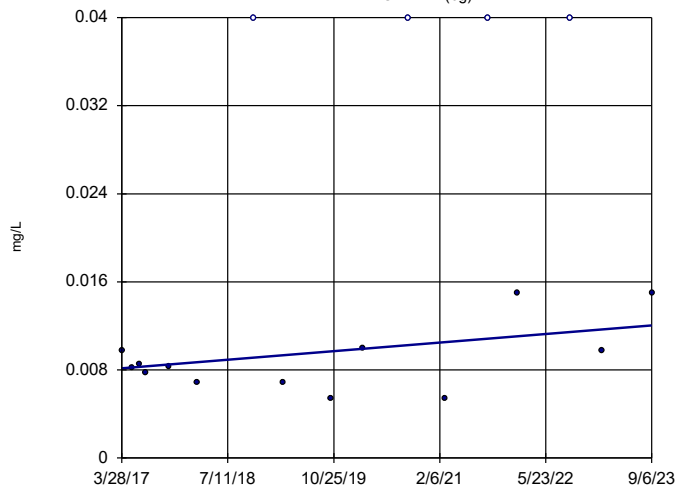


n = 18
 Slope = 0
 units per year.
 Mann-Kendall
 statistic = 12
 critical = 68
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWA-71 (bg)

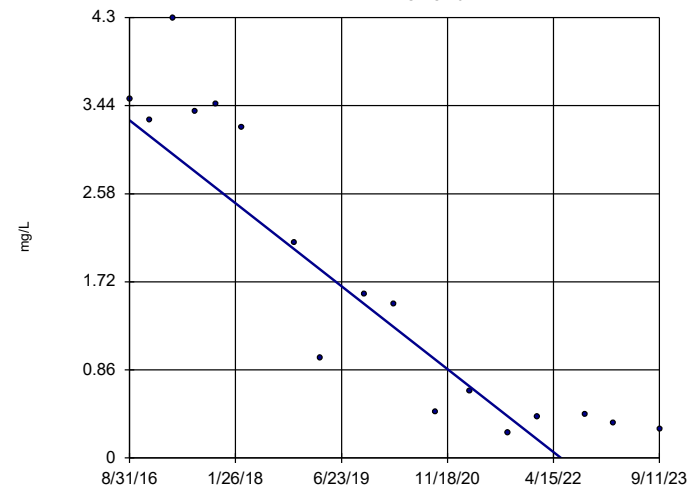


n = 17
 Slope = 0.0006045
 units per year.
 Mann-Kendall
 statistic = 25
 critical = 63
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-10

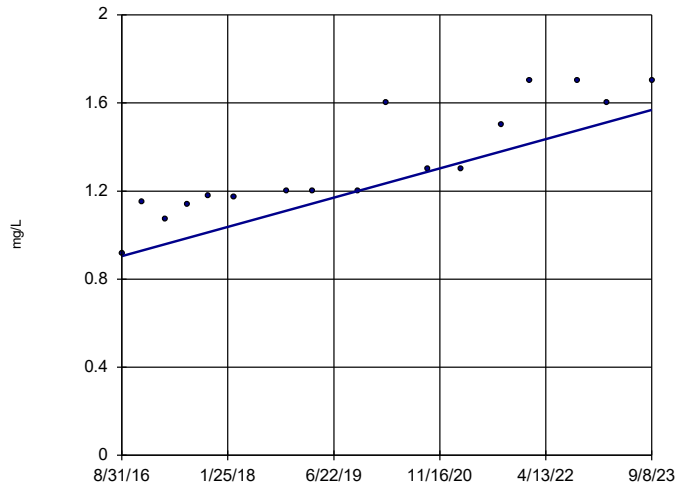


n = 17
 Slope = -0.5759
 units per year.
 Mann-Kendall
 statistic = -110
 critical = -63
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-11

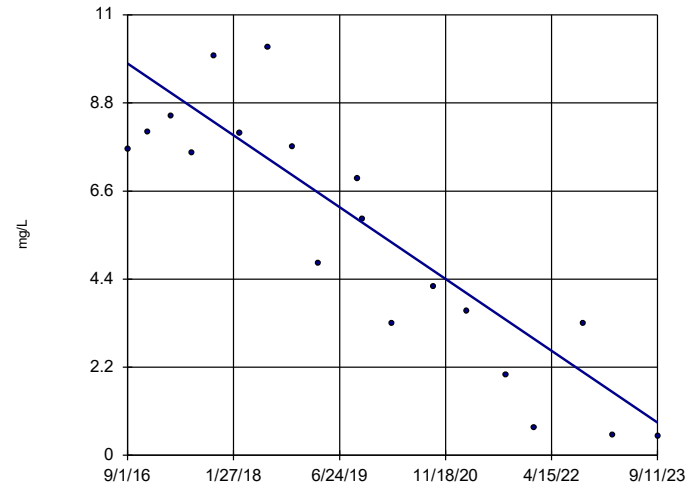


n = 17
Slope = 0.09451
units per year.
Mann-Kendall
statistic = 112
critical = 63
Increasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Boron Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-12

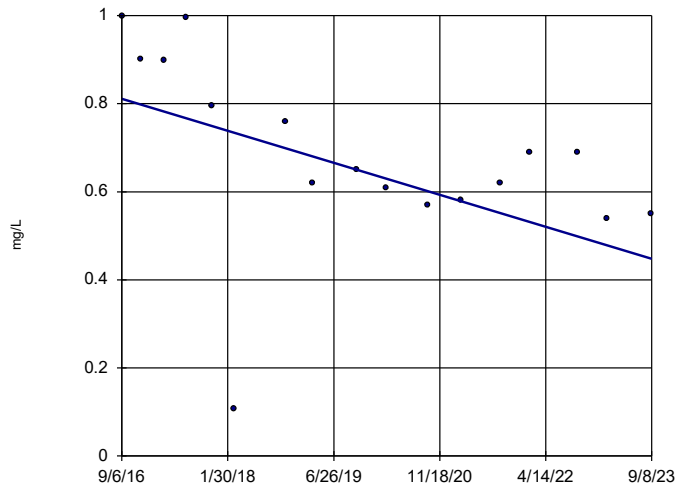


n = 19
Slope = -1.276
units per year.
Mann-Kendall
statistic = -124
critical = -74
Decreasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Boron Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-13

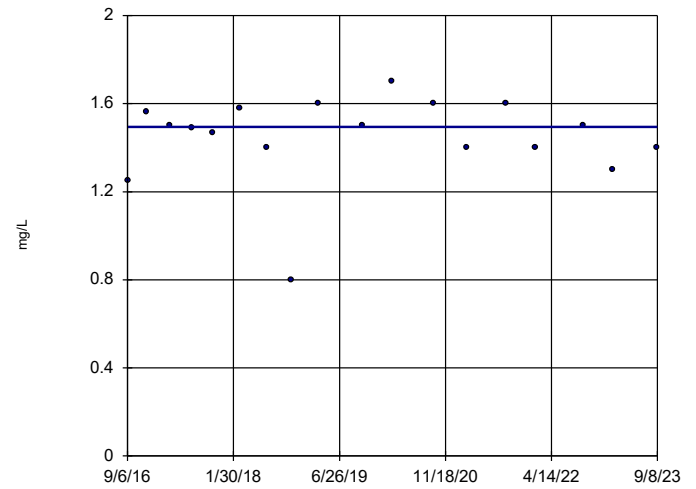


n = 17
Slope = -0.05186
units per year.
Mann-Kendall
statistic = -72
critical = -63
Decreasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Boron Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-15

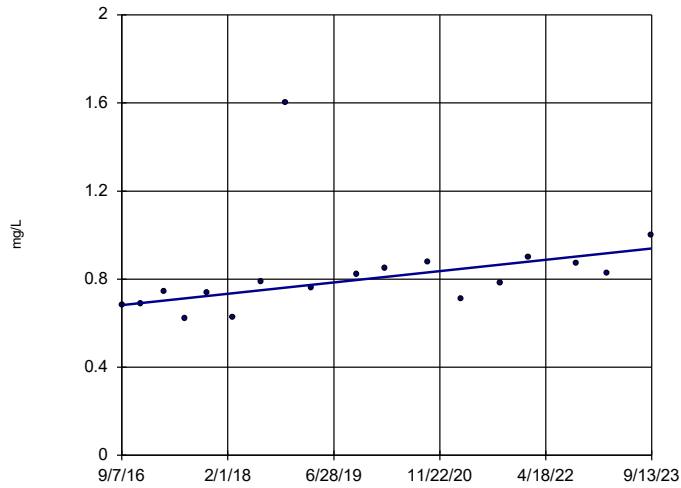


n = 18
Slope = 0
units per year.
Mann-Kendall
statistic = -5
critical = -68
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Boron Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-17

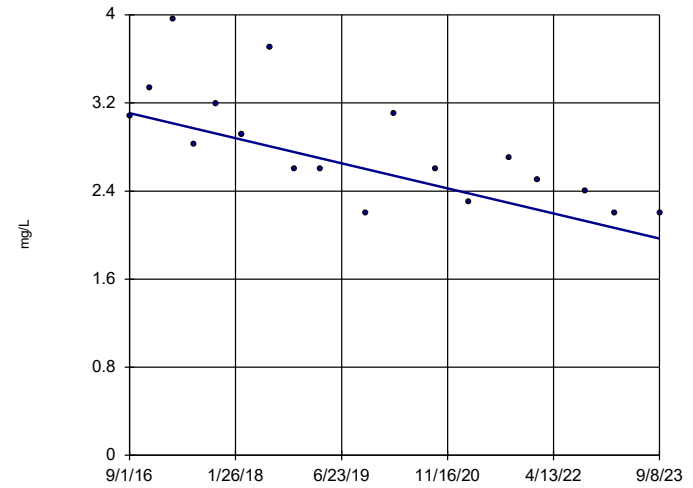


n = 18
 Slope = 0.03666
 units per year.
 Mann-Kendall
 statistic = 81
 critical = 68
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-19

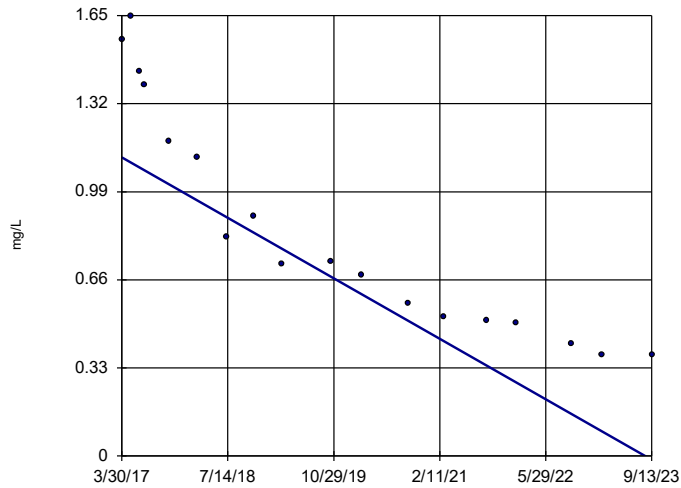


n = 18
 Slope = -0.1622
 units per year.
 Mann-Kendall
 statistic = -91
 critical = -68
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-2

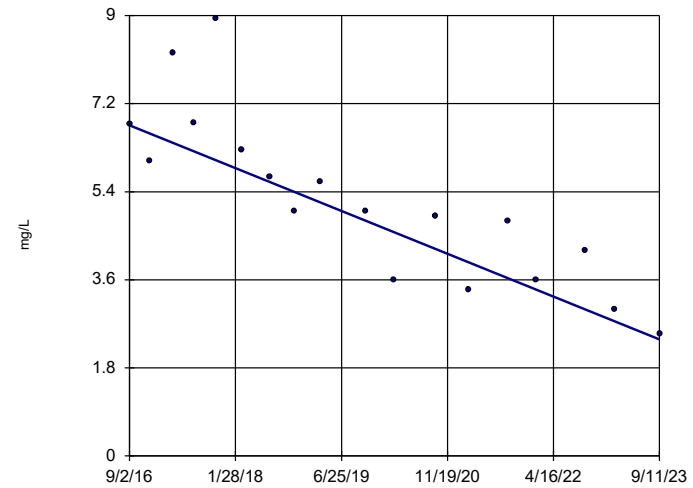


n = 18
 Slope = -0.1753
 units per year.
 Mann-Kendall
 statistic = -146
 critical = -68
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-20

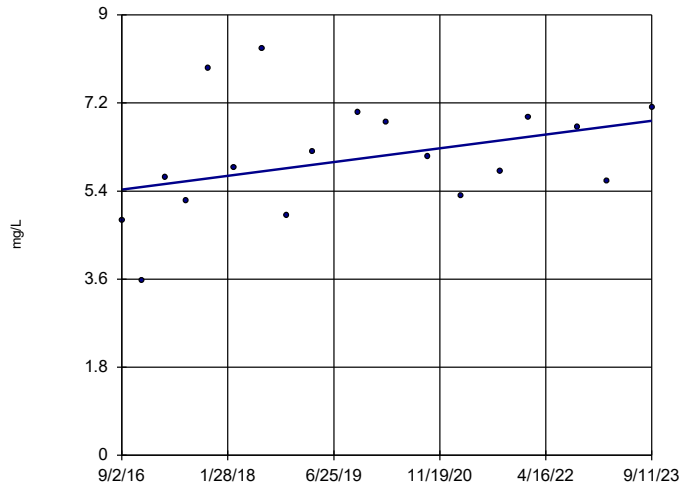


n = 18
 Slope = -0.6233
 units per year.
 Mann-Kendall
 statistic = -117
 critical = -68
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-21

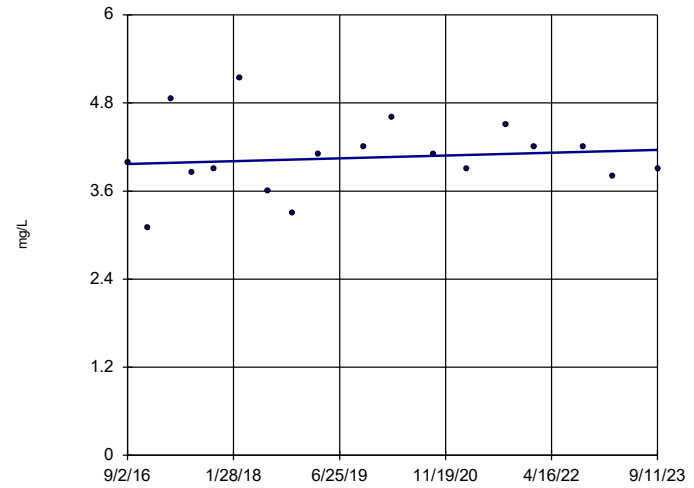


n = 18
 Slope = 0.1999 units per year.
 Mann-Kendall statistic = 41
 critical = 68
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-22

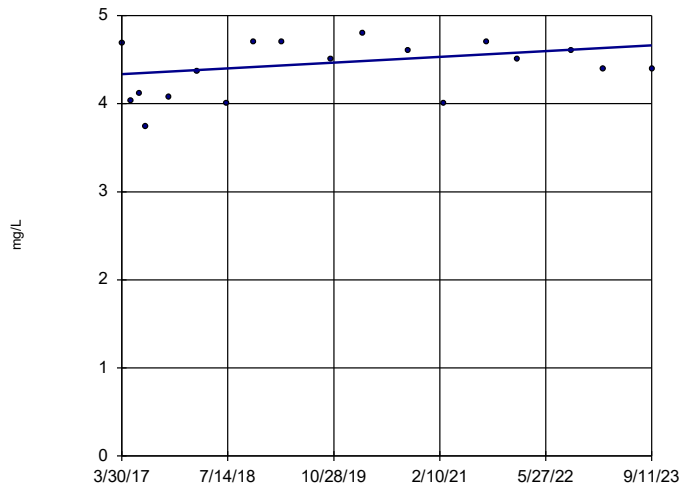


n = 18
 Slope = 0.02707 units per year.
 Mann-Kendall statistic = 12
 critical = 68
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-23

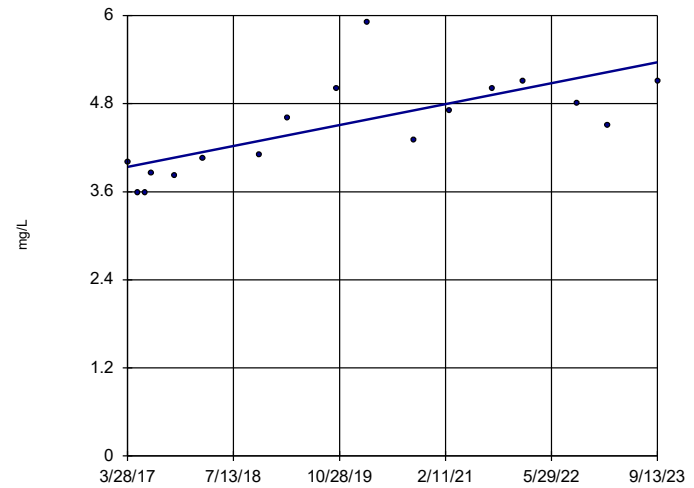


n = 18
 Slope = 0.05045 units per year.
 Mann-Kendall statistic = 26
 critical = 68
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-4

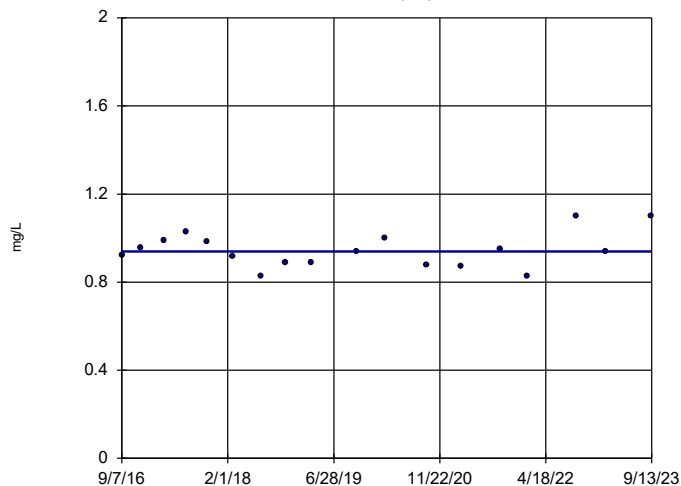


n = 17
 Slope = 0.221 units per year.
 Mann-Kendall statistic = 85
 critical = 63
 Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-42

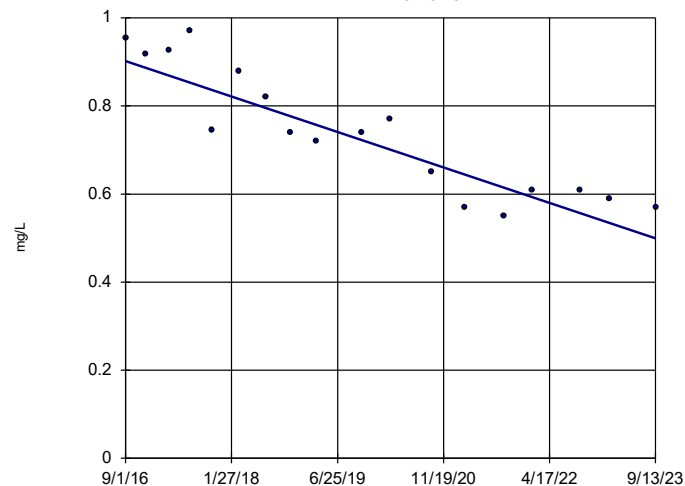


n = 18
Slope = 0
units per year.
Mann-Kendall
statistic = -3
critical = -68
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Boron Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-48

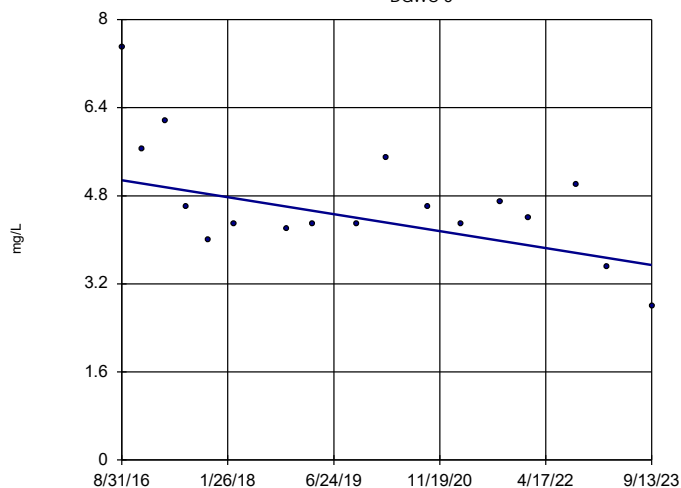


n = 18
Slope = -0.05724
units per year.
Mann-Kendall
statistic = -114
critical = -68
Decreasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Boron Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-5

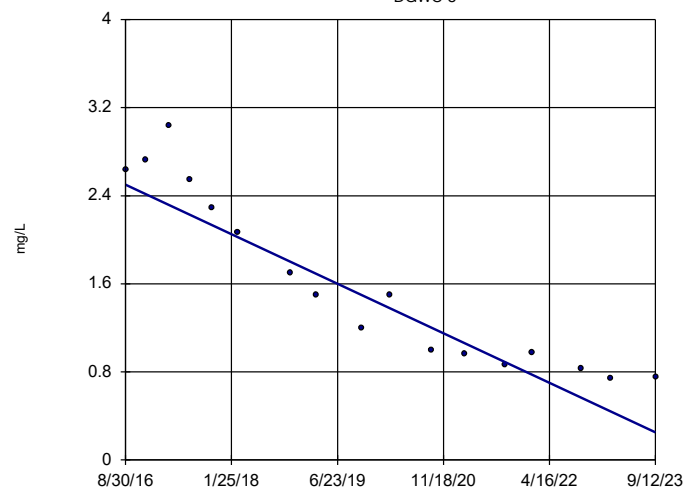


n = 17
Slope = -0.2186
units per year.
Mann-Kendall
statistic = -39
critical = -63
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Boron Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-8

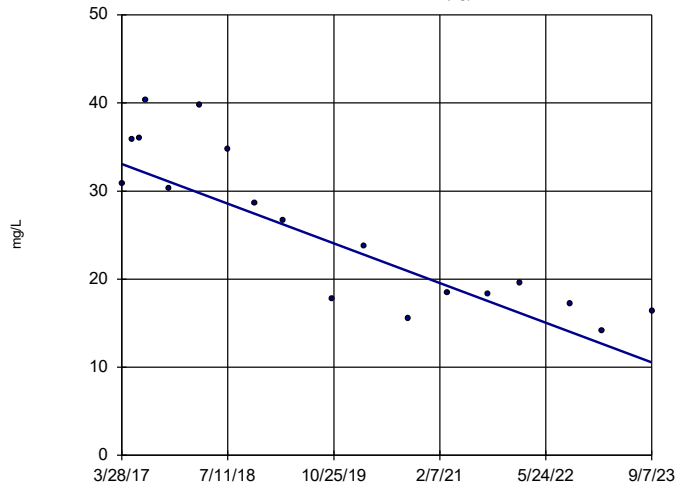


n = 17
Slope = -0.3198
units per year.
Mann-Kendall
statistic = -121
critical = -63
Decreasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Boron Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

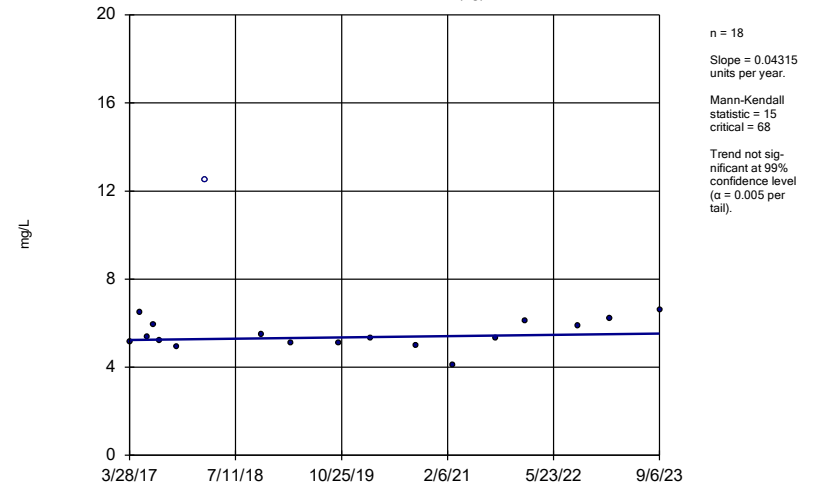
DGWA-53 (bg)



Constituent: Calcium Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

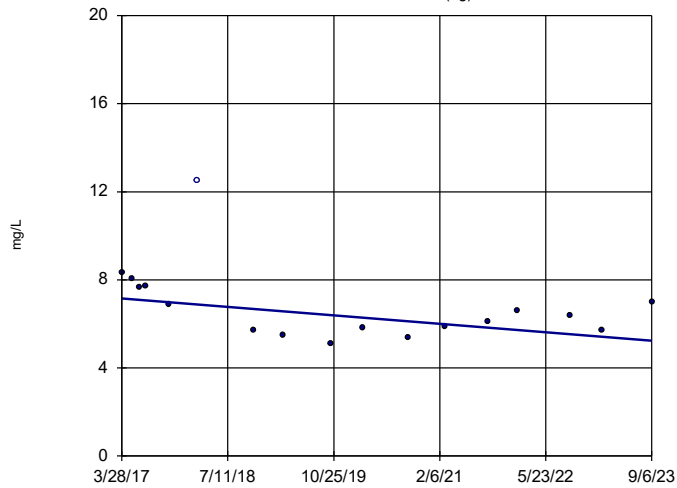
DGWA-70A (bg)



Constituent: Calcium Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

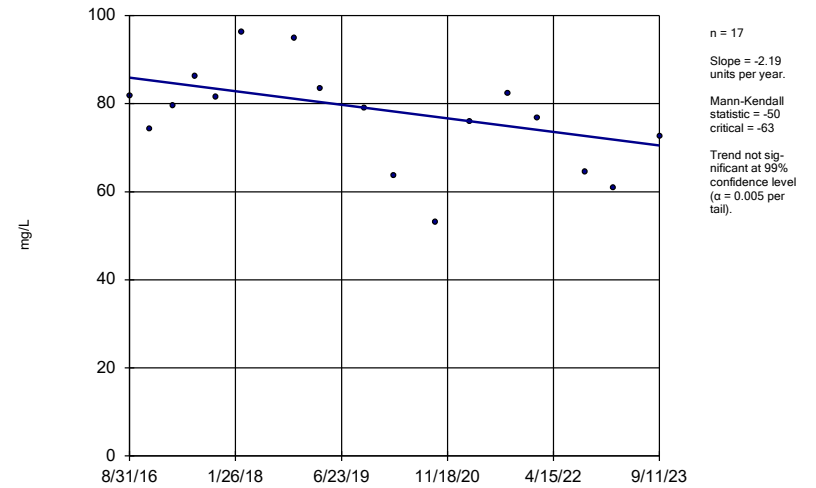
DGWA-71 (bg)



Constituent: Calcium Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

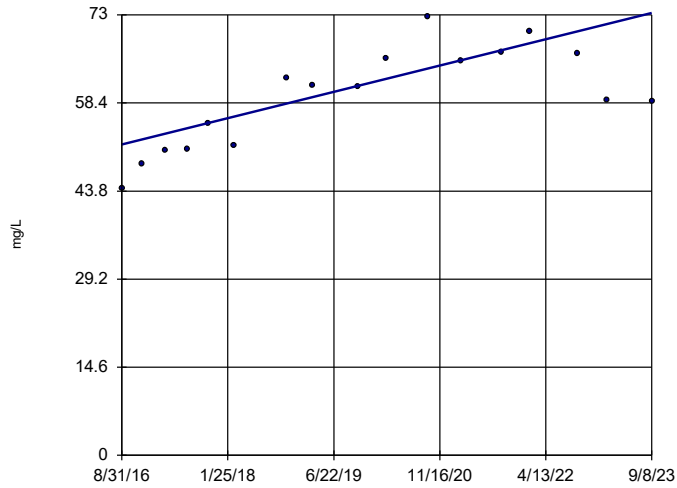
DGWC-10



Constituent: Calcium Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-11

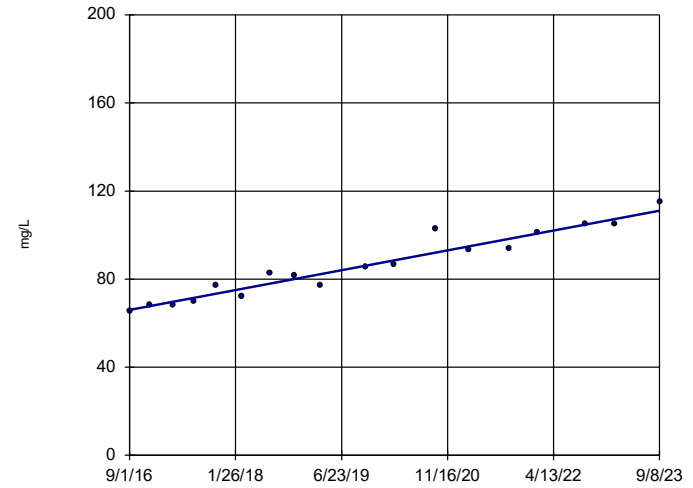


n = 17
 Slope = 3.104
 units per year.
 Mann-Kendall
 statistic = 76
 critical = 63
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-19

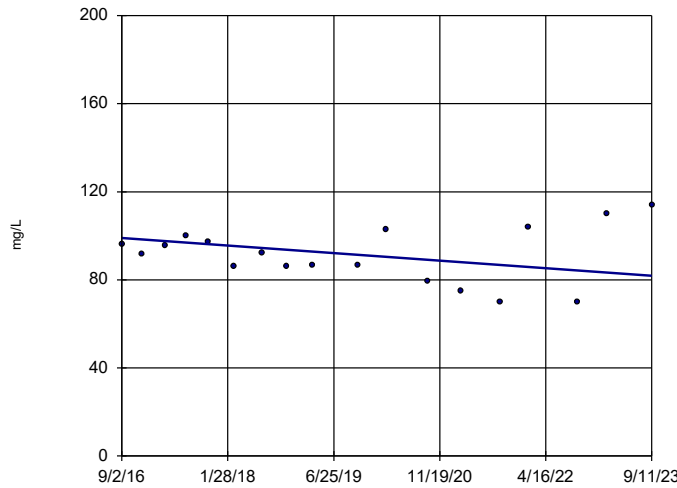


n = 18
 Slope = 6.413
 units per year.
 Mann-Kendall
 statistic = 134
 critical = 68
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-20

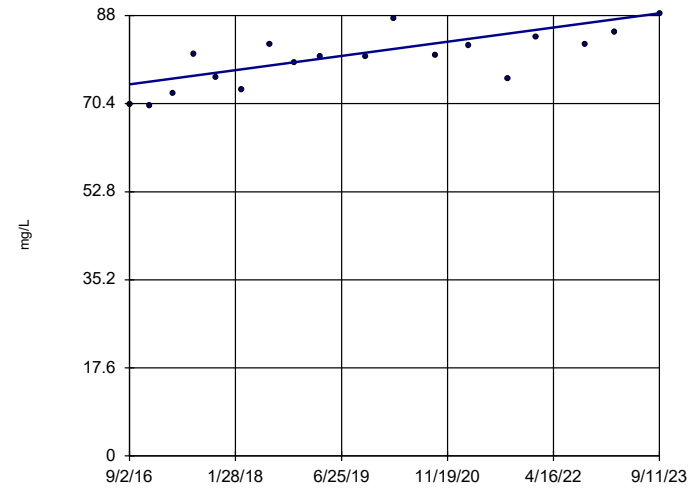


n = 18
 Slope = -2.43
 units per year.
 Mann-Kendall
 statistic = -9
 critical = -68
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-21

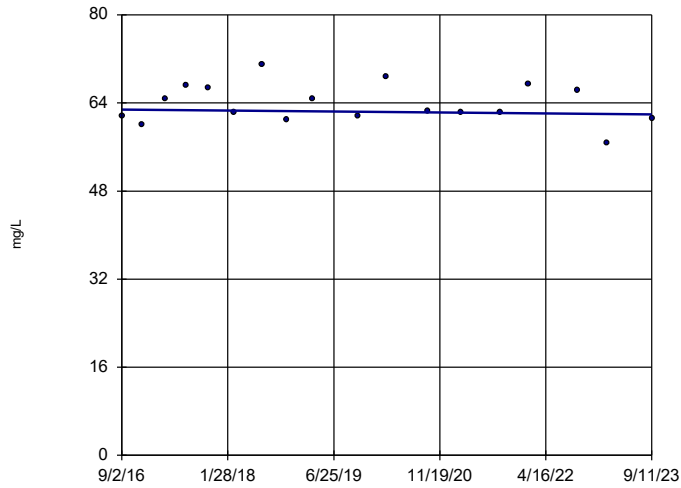


n = 18
 Slope = 2.023
 units per year.
 Mann-Kendall
 statistic = 93
 critical = 68
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-22

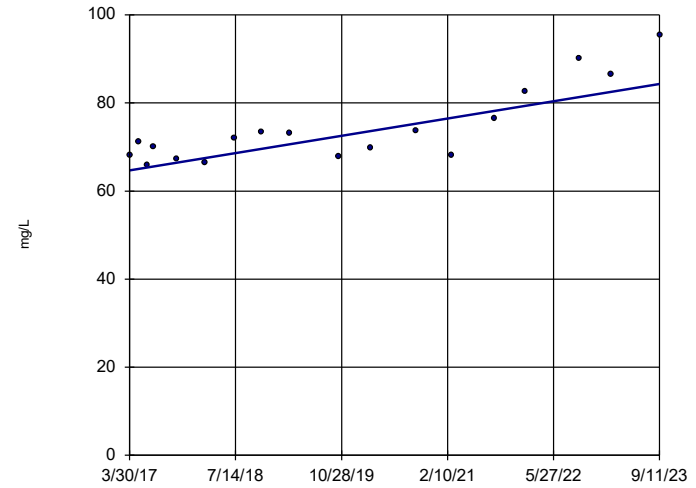


n = 18
 Slope = -0.1226
 units per year.
 Mann-Kendall
 statistic = -6
 critical = -68
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-23

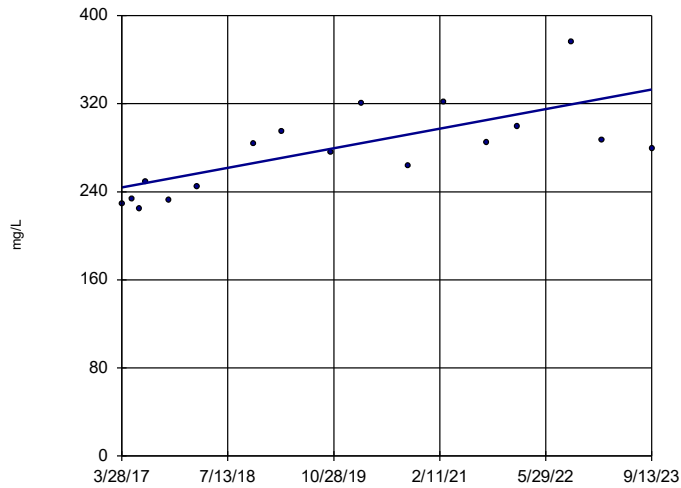


n = 18
 Slope = 3.033
 units per year.
 Mann-Kendall
 statistic = 92
 critical = 68
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-4

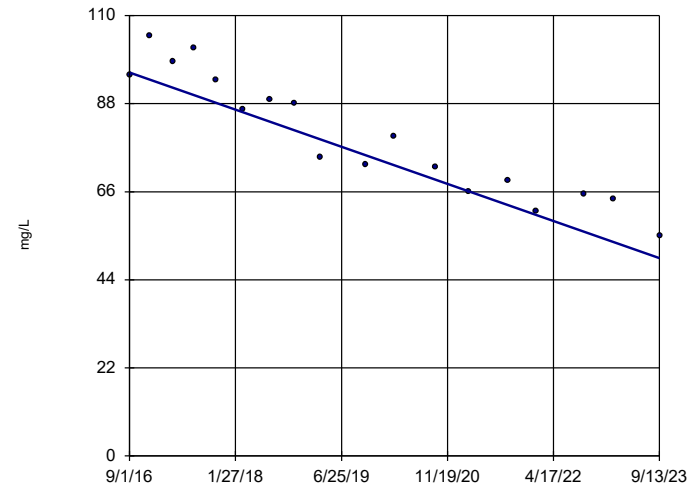


n = 17
 Slope = 13.75
 units per year.
 Mann-Kendall
 statistic = 78
 critical = 63
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-48

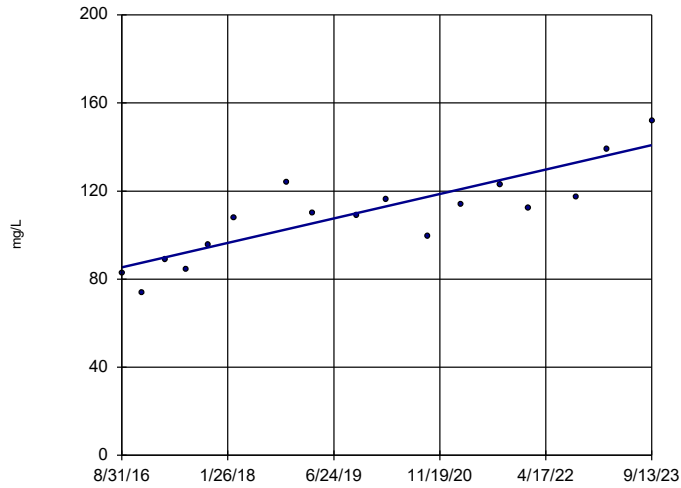


n = 18
 Slope = -6.589
 units per year.
 Mann-Kendall
 statistic = -131
 critical = -68
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

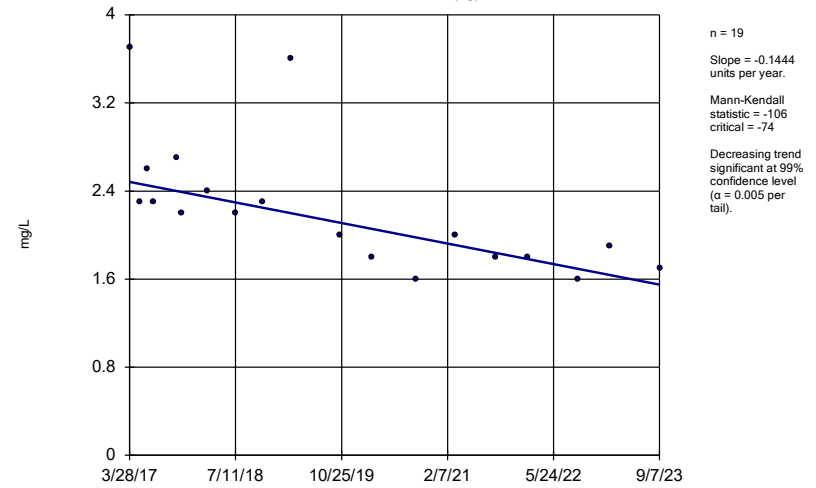
DGWC-5



Constituent: Calcium Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

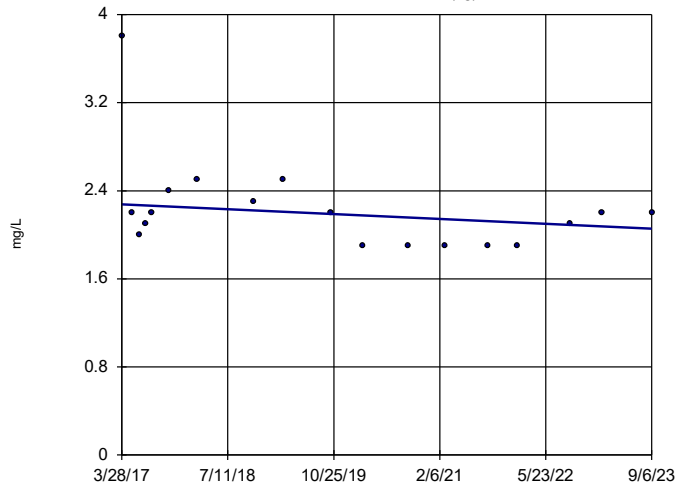
DGWA-53 (bg)



Constituent: Chloride Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

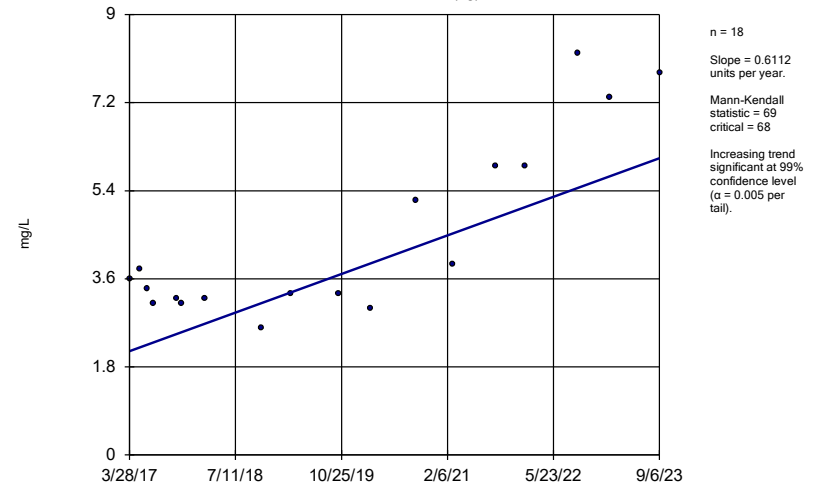
DGWA-70A (bg)



Constituent: Chloride Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

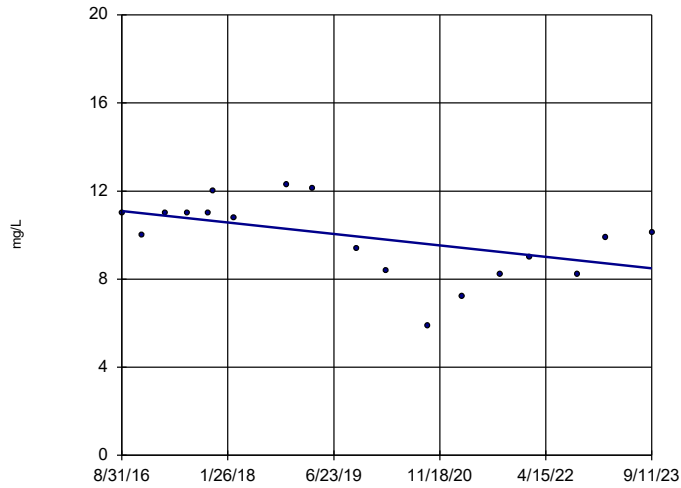
DGWA-71 (bg)



Constituent: Chloride Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-10

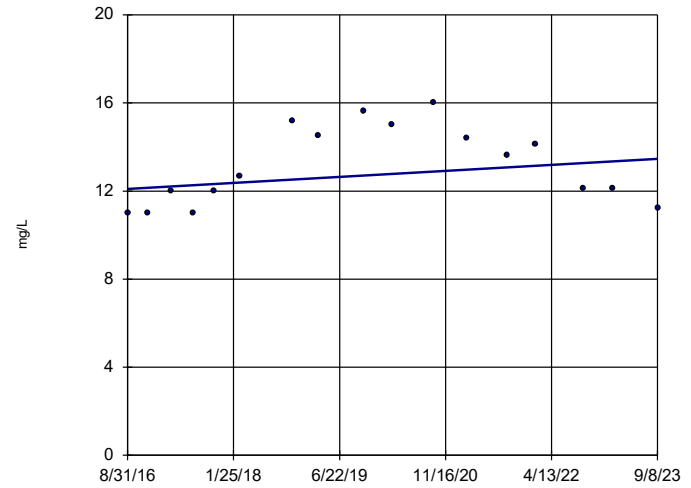


n = 18
 Slope = -0.3698
 units per year.
 Mann-Kendall
 statistic = -50
 critical = -68
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-11

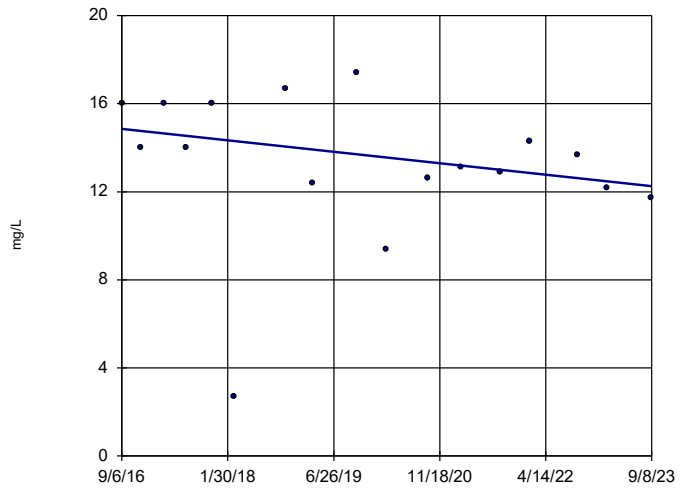


n = 17
 Slope = 0.1938
 units per year.
 Mann-Kendall
 statistic = 27
 critical = 63
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-13

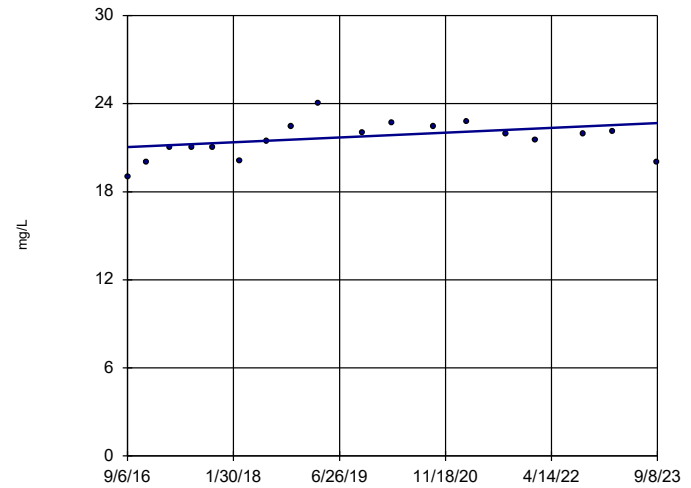


n = 17
 Slope = -0.371
 units per year.
 Mann-Kendall
 statistic = -36
 critical = -63
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-15

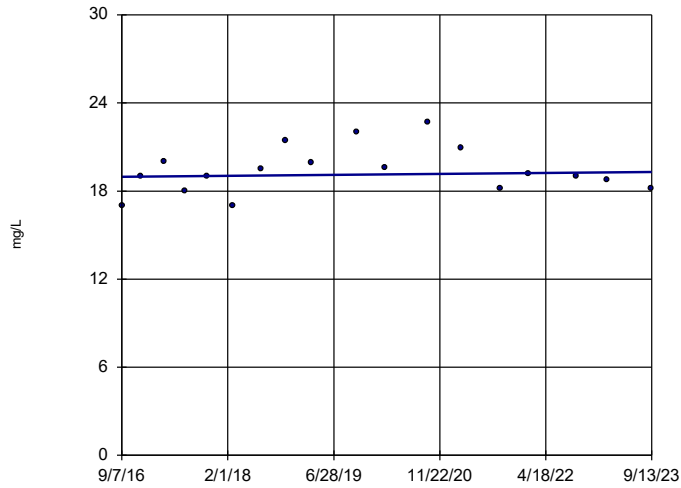


n = 18
 Slope = 0.2322
 units per year.
 Mann-Kendall
 statistic = 51
 critical = 68
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-17

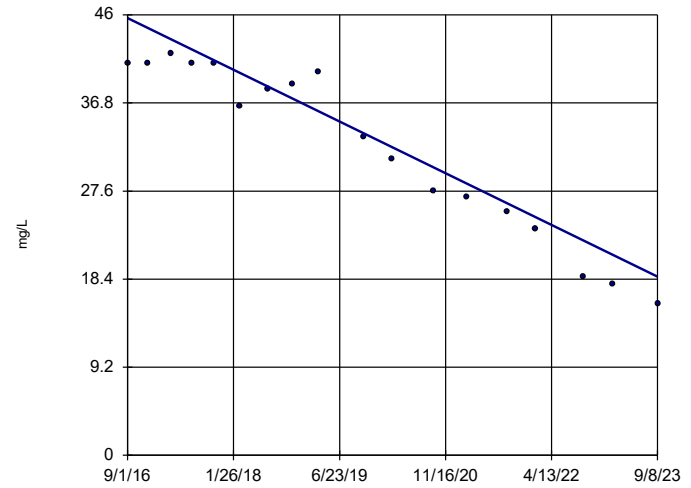


n = 18
 Slope = 0.04704
 units per year.
 Mann-Kendall
 statistic = 10
 critical = 68
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-19

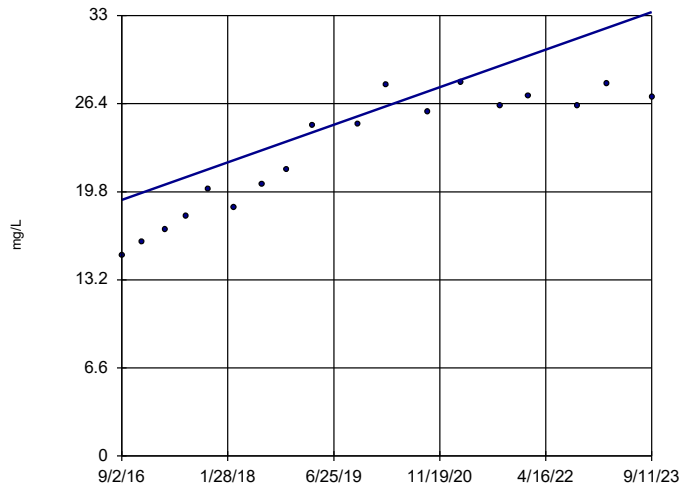


n = 18
 Slope = -3.845
 units per year.
 Mann-Kendall
 statistic = -131
 critical = -68
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-20

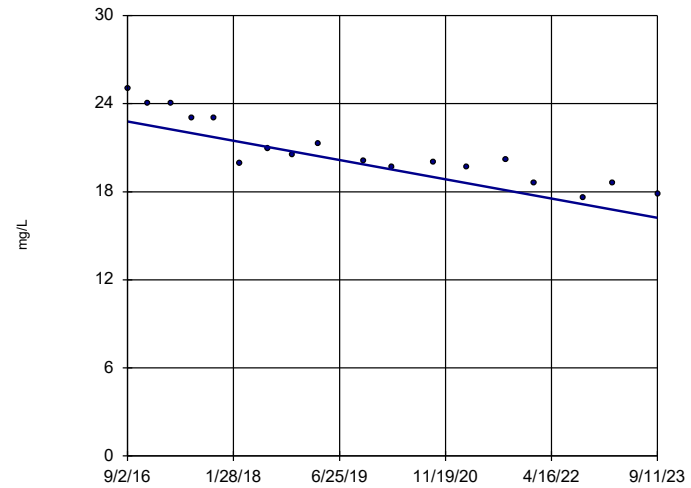


n = 18
 Slope = 2.004
 units per year.
 Mann-Kendall
 statistic = 124
 critical = 68
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-21

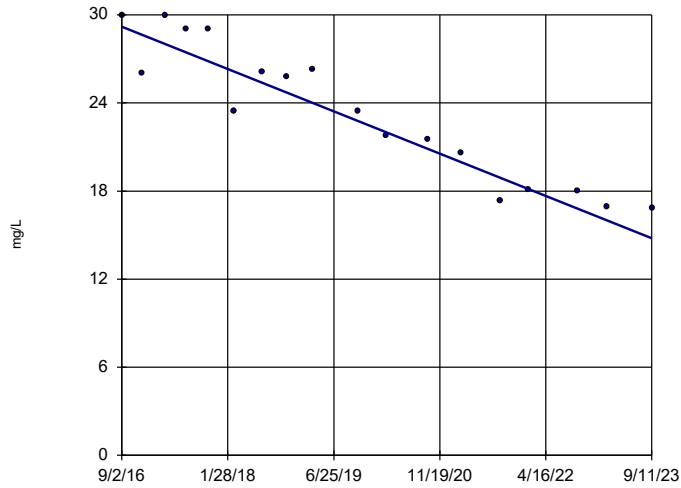


n = 18
 Slope = -0.9359
 units per year.
 Mann-Kendall
 statistic = -119
 critical = -68
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-22

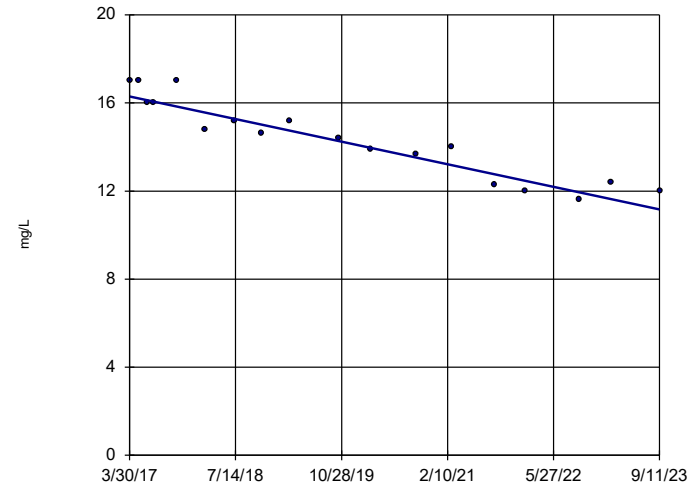


n = 18
 Slope = -2.053
 units per year.
 Mann-Kendall
 statistic = -126
 critical = -68
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-23

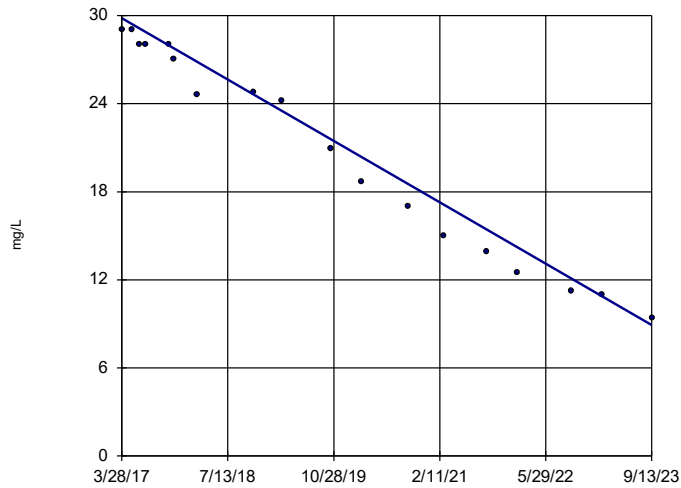


n = 18
 Slope = -0.7935
 units per year.
 Mann-Kendall
 statistic = -125
 critical = -68
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-4

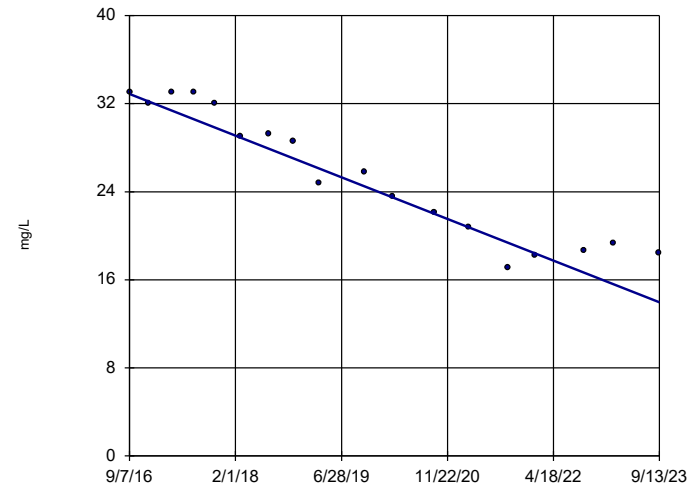


n = 18
 Slope = -3.234
 units per year.
 Mann-Kendall
 statistic = -147
 critical = -68
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-42

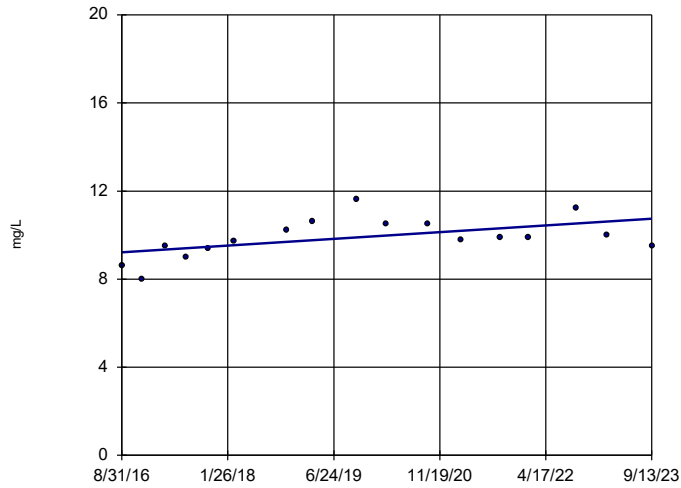


n = 18
 Slope = -2.693
 units per year.
 Mann-Kendall
 statistic = -125
 critical = -68
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-5

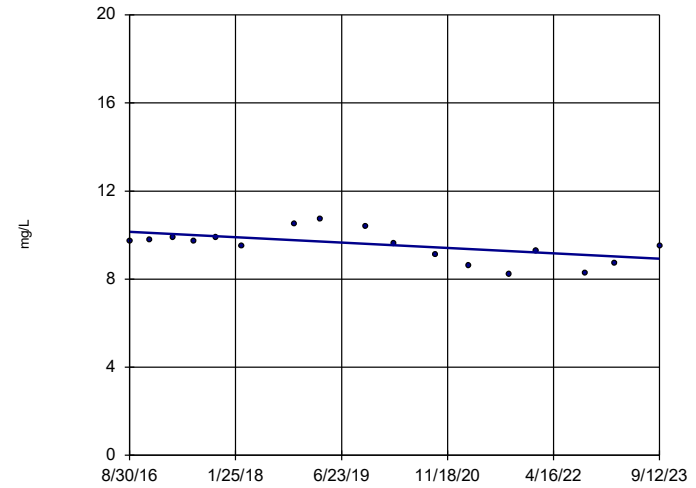


n = 17
 Slope = 0.2165
 units per year.
 Mann-Kendall
 statistic = 53
 critical = 63
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-8

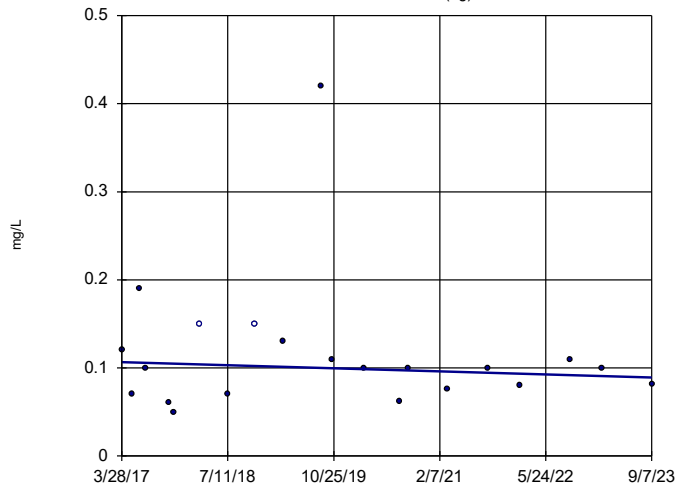


n = 17
 Slope = -0.1733
 units per year.
 Mann-Kendall
 statistic = -55
 critical = -63
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWA-53 (bg)

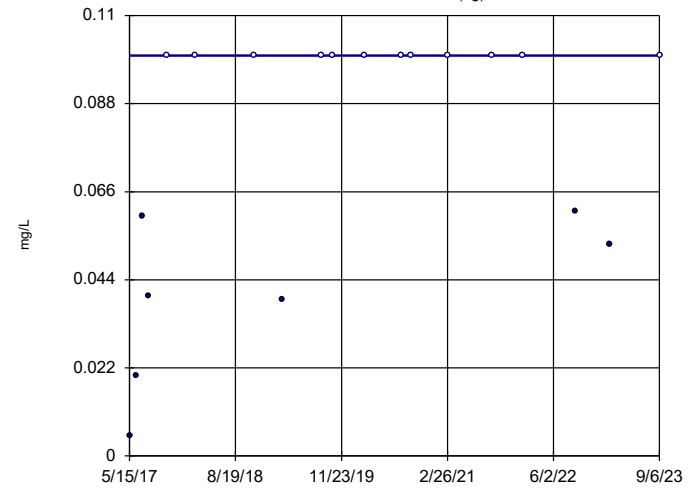


n = 21
 Slope = -0.002688
 units per year.
 Mann-Kendall
 statistic = -18
 critical = -87
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Fluoride Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWA-70A (bg)

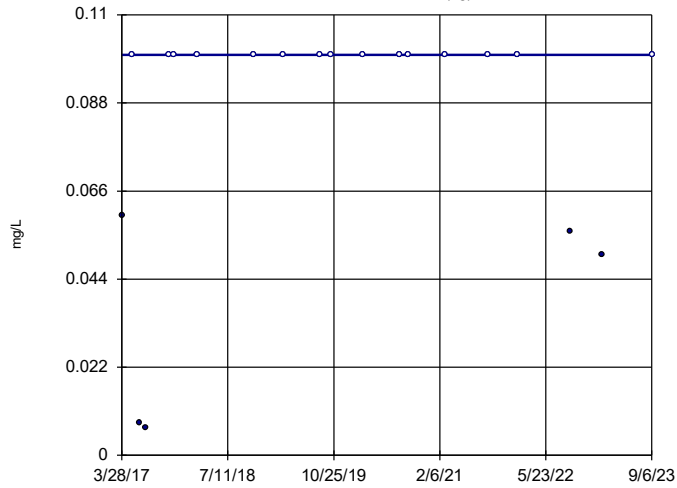


n = 19
 Slope = 0
 units per year.
 Mann-Kendall
 statistic = 45
 critical = 74
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Fluoride Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWA-71 (bg)

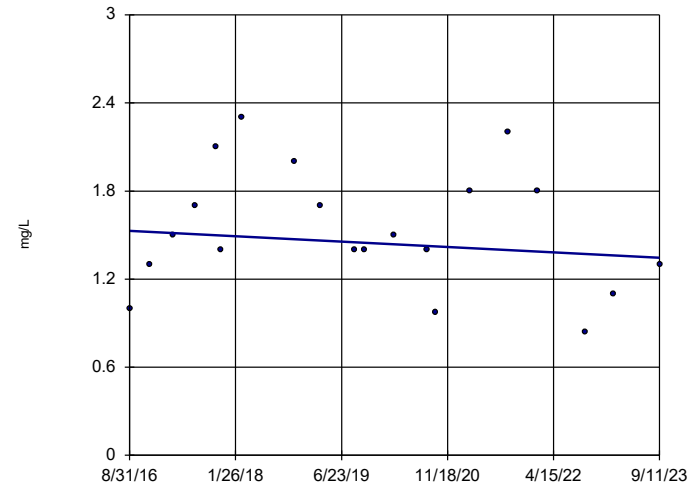


n = 20
Slope = 0
units per year.
Mann-Kendall
statistic = 13
critical = 81
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Fluoride Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-10

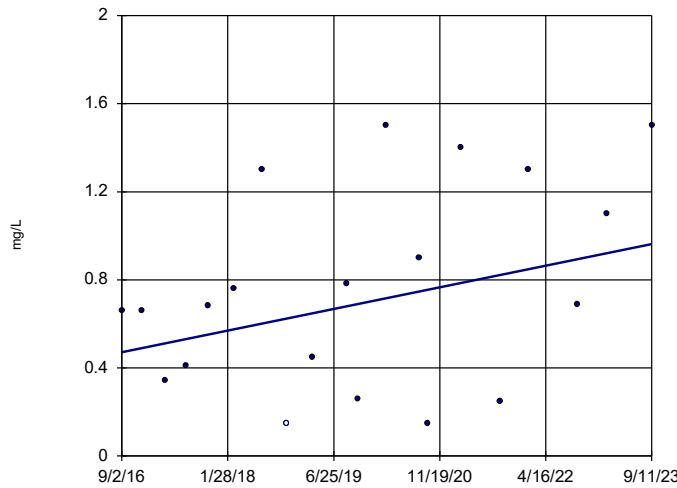


n = 20
Slope = -0.02603
units per year.
Mann-Kendall
statistic = -18
critical = -81
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Fluoride Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-20

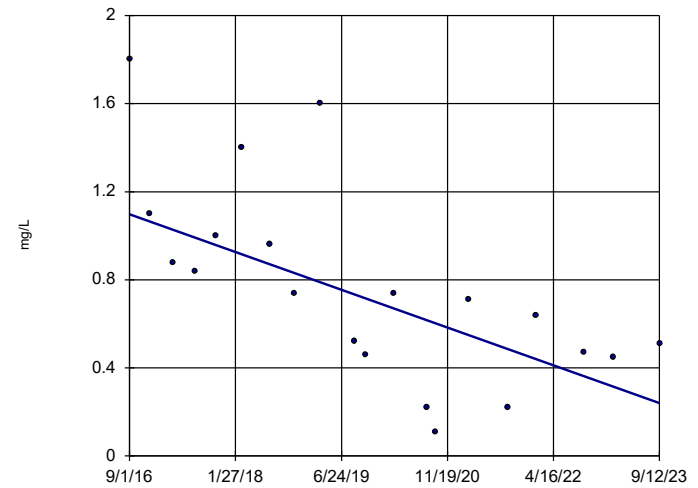


n = 20
Slope = 0.07002
units per year.
Mann-Kendall
statistic = 52
critical = 81
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Fluoride Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-47

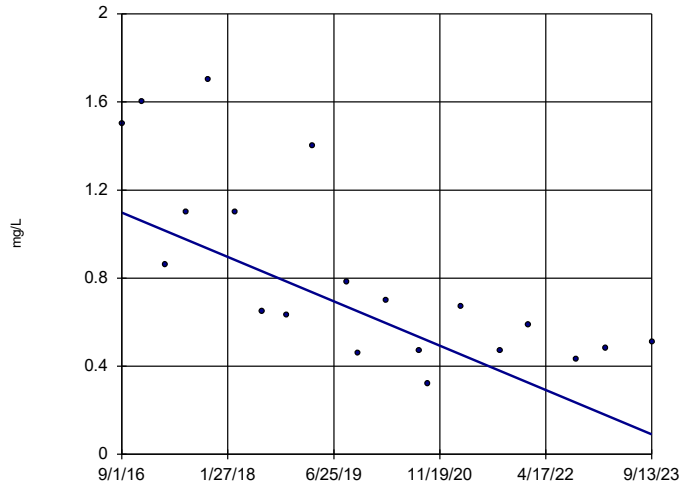


n = 20
Slope = -0.1218
units per year.
Mann-Kendall
statistic = -108
critical = -81
Decreasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Fluoride Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-48

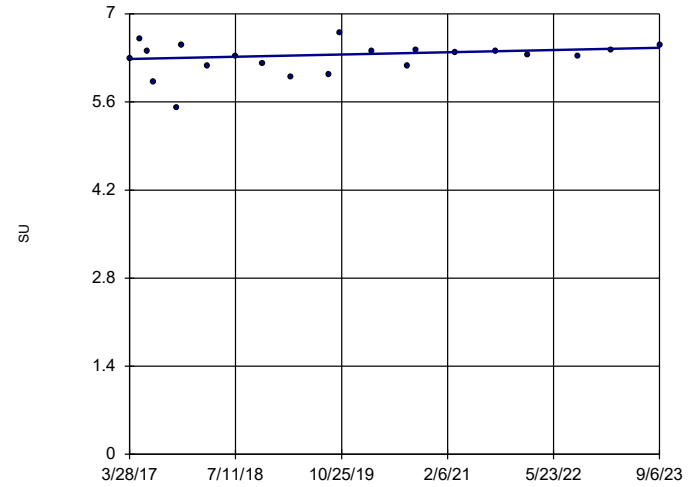


n = 20
 Slope = -0.143
 units per year.
 Mann-Kendall
 statistic = -106
 critical = -81
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Fluoride Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWA-53 (bg)

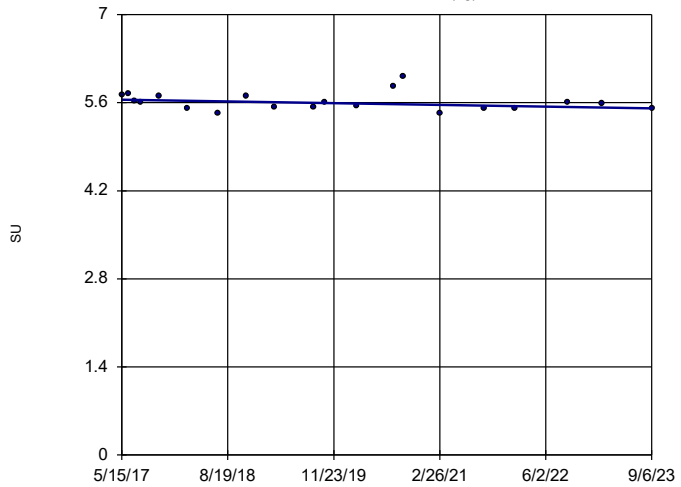


n = 21
 Slope = 0.02783
 units per year.
 Mann-Kendall
 statistic = 39
 critical = 87
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH, Field Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWA-70A (bg)

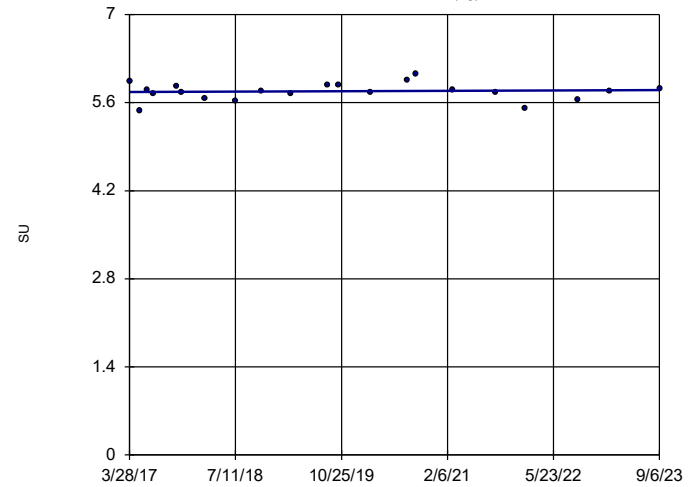


n = 20
 Slope = -0.02199
 units per year.
 Mann-Kendall
 statistic = -46
 critical = -81
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH, Field Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWA-71 (bg)

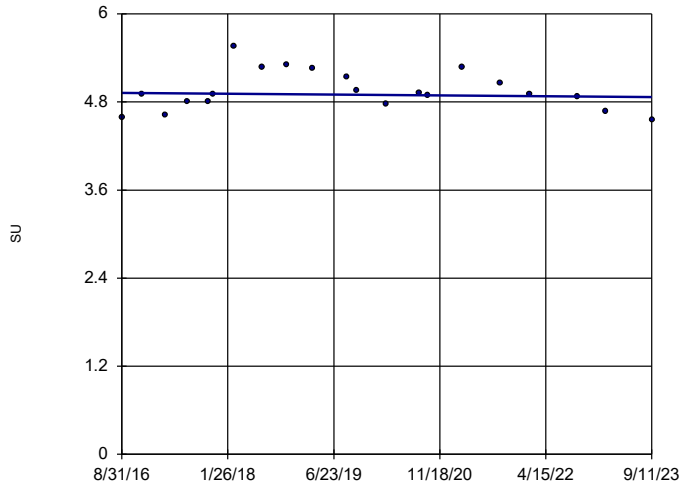


n = 21
 Slope = 0.004559
 units per year.
 Mann-Kendall
 statistic = 10
 critical = 87
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH, Field Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-10

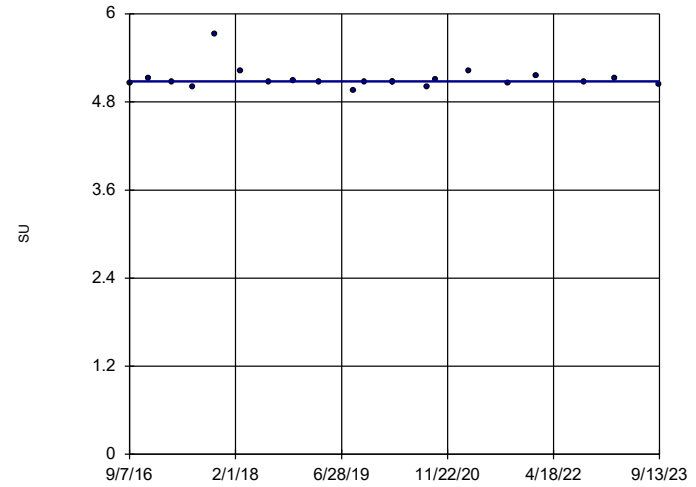


n = 21
 Slope = -0.007748
 units per year.
 Mann-Kendall
 statistic = -14
 critical = -87
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH, Field Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-17

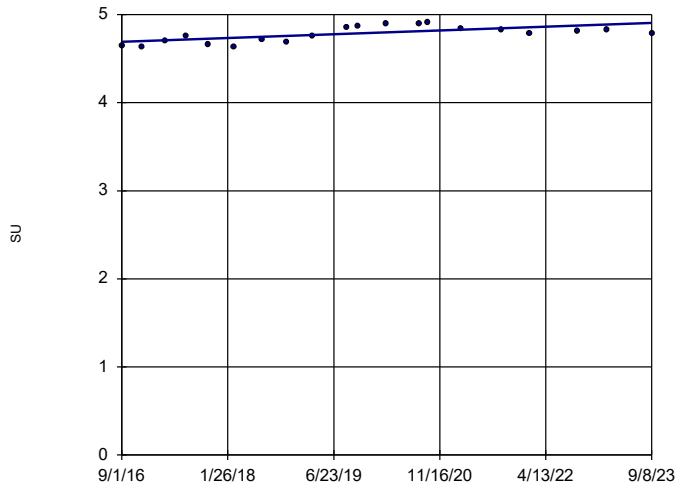


n = 21
 Slope = 0
 units per year.
 Mann-Kendall
 statistic = 1
 critical = 87
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH, Field Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-19

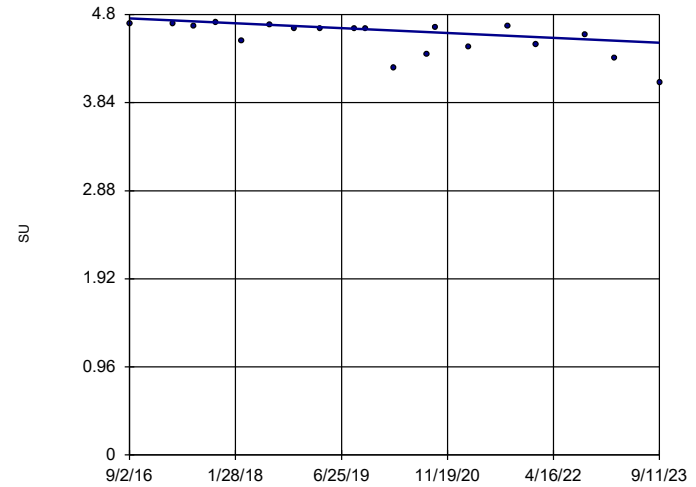


n = 20
 Slope = 0.03073
 units per year.
 Mann-Kendall
 statistic = 83
 critical = 81
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH, Field Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-20

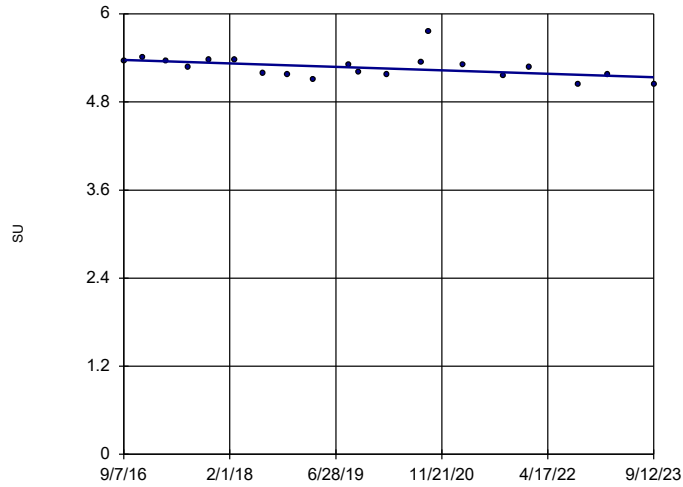


n = 19
 Slope = -0.03796
 units per year.
 Mann-Kendall
 statistic = -90
 critical = -74
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH, Field Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

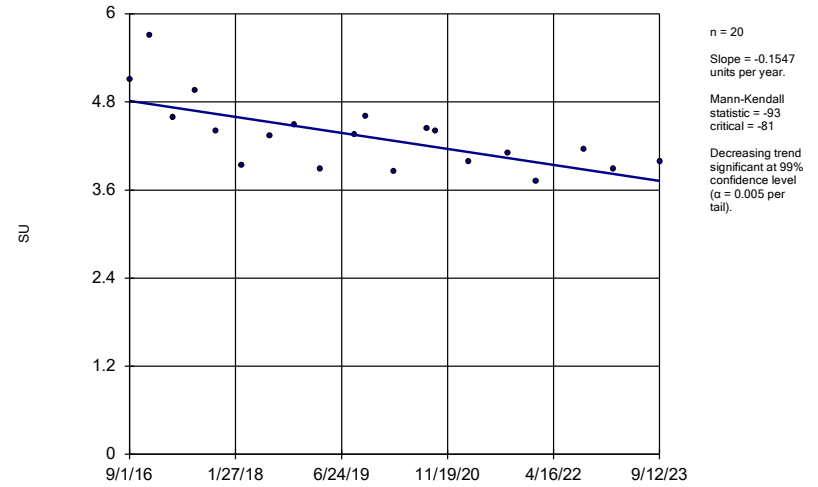
DGWC-42



Constituent: pH, Field Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

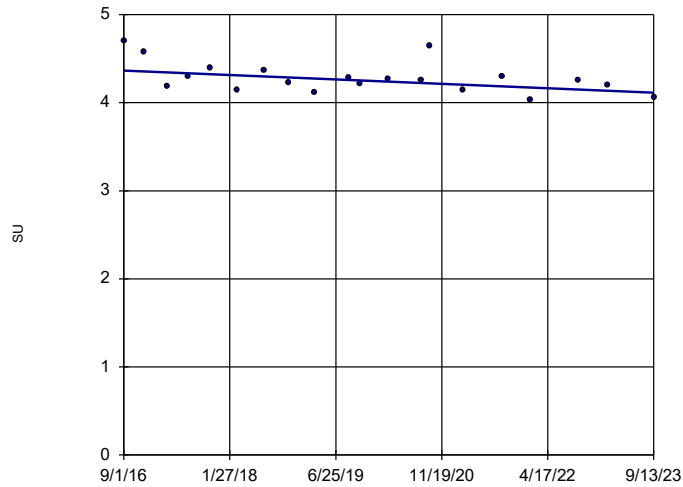
DGWC-47



Constituent: pH, Field Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

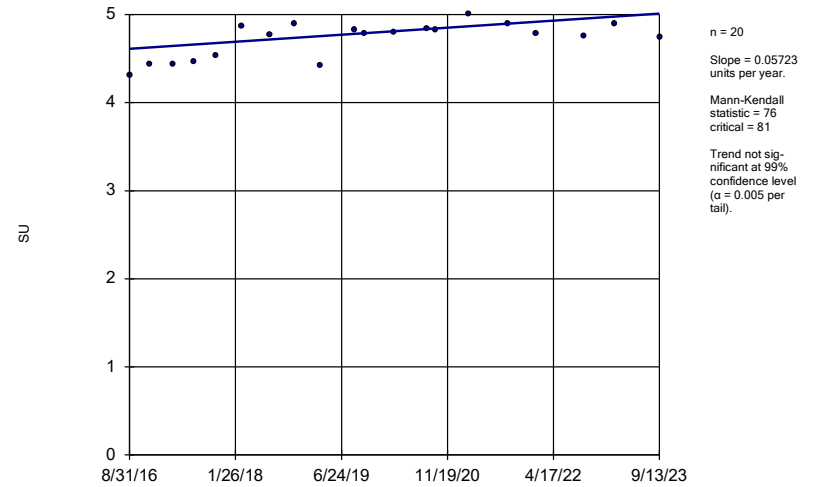
DGWC-48



Constituent: pH, Field Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

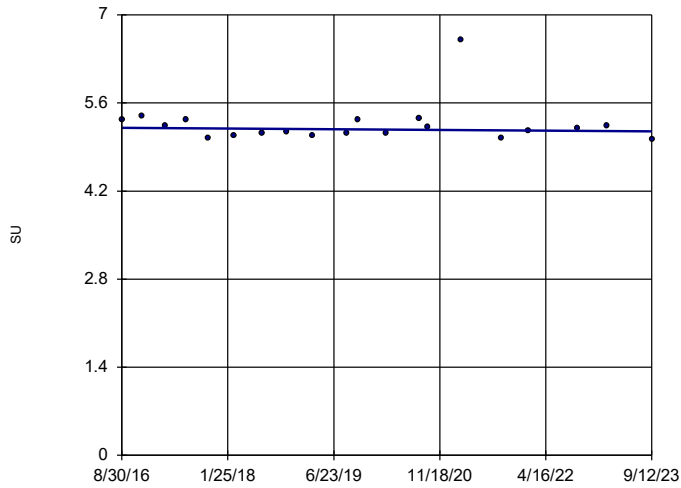
DGWC-5



Constituent: pH, Field Analysis Run 2/14/2024 9:18 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

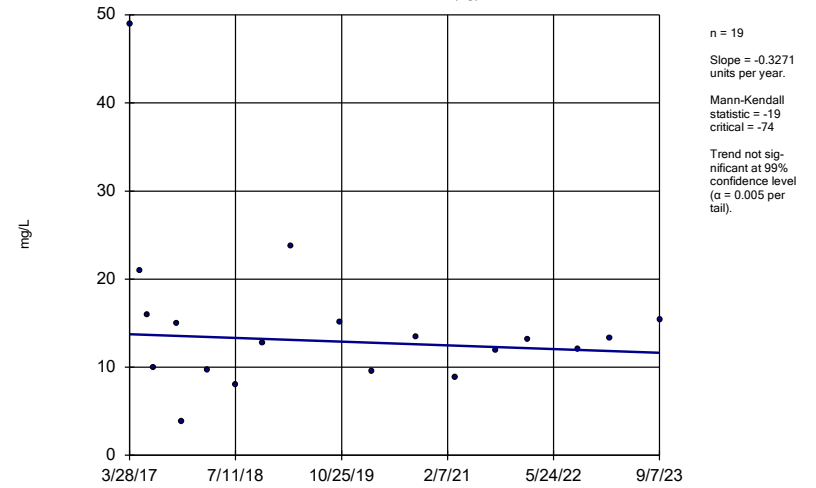
DGWC-8



Constituent: pH, Field Analysis Run 2/14/2024 9:19 AM View: AP 234 Appendix III Trend Tests Plant McDonough Data: McDonough AP

Sen's Slope Estimator

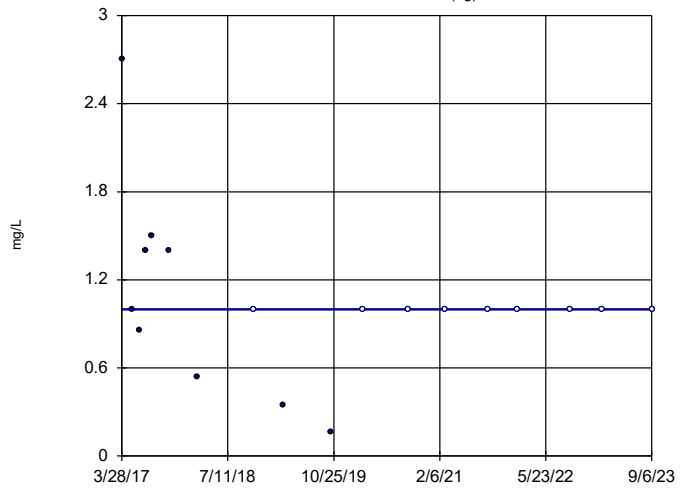
DGWA-53 (bg)



Constituent: Sulfate Analysis Run 2/14/2024 9:19 AM View: AP 234 Appendix III Trend Tests Plant McDonough Data: McDonough AP

Sen's Slope Estimator

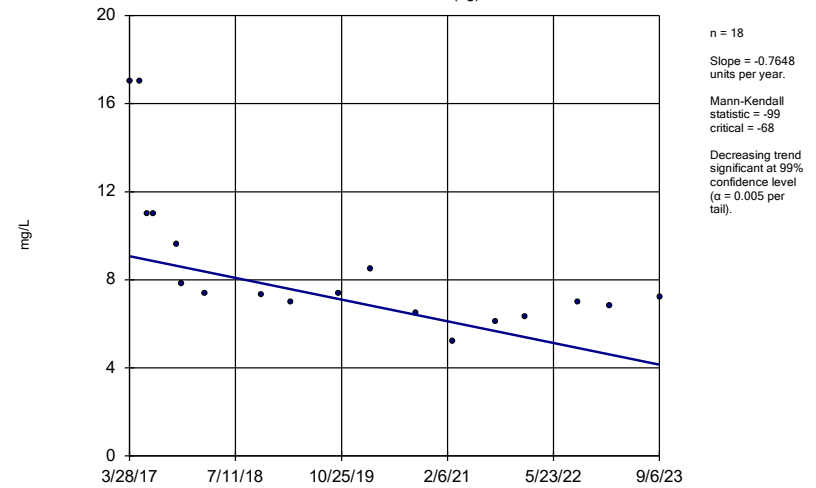
DGWA-70A (bg)



Constituent: Sulfate Analysis Run 2/14/2024 9:19 AM View: AP 234 Appendix III Trend Tests Plant McDonough Data: McDonough AP

Sen's Slope Estimator

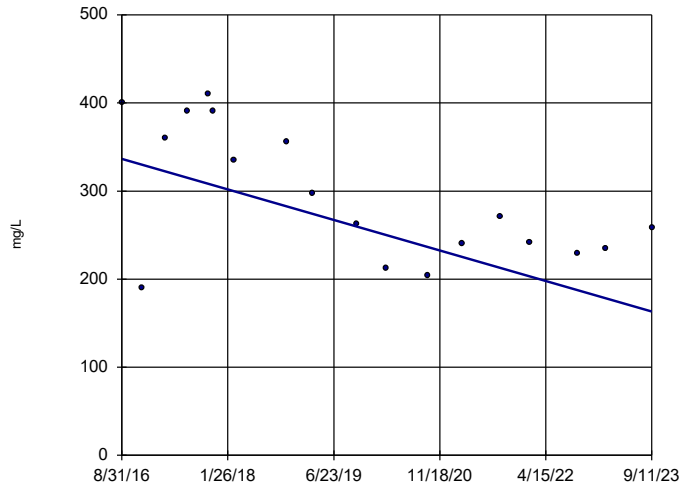
DGWA-71 (bg)



Constituent: Sulfate Analysis Run 2/14/2024 9:19 AM View: AP 234 Appendix III Trend Tests Plant McDonough Data: McDonough AP

Sen's Slope Estimator

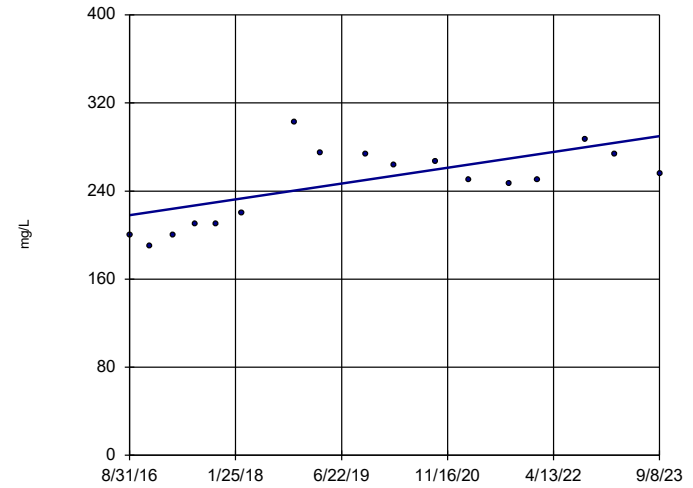
DGWC-10



Constituent: Sulfate Analysis Run 2/14/2024 9:19 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

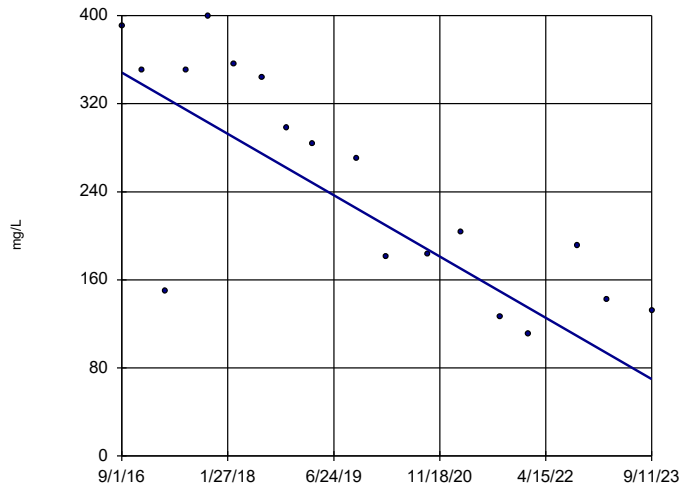
DGWC-11



Constituent: Sulfate Analysis Run 2/14/2024 9:19 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

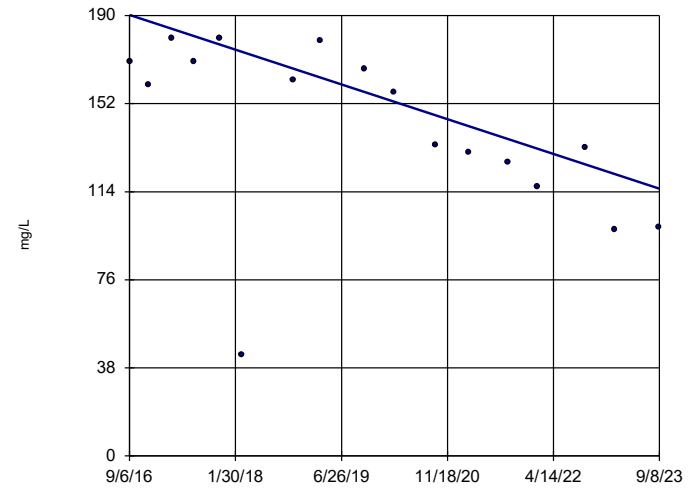
DGWC-12



Constituent: Sulfate Analysis Run 2/14/2024 9:19 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

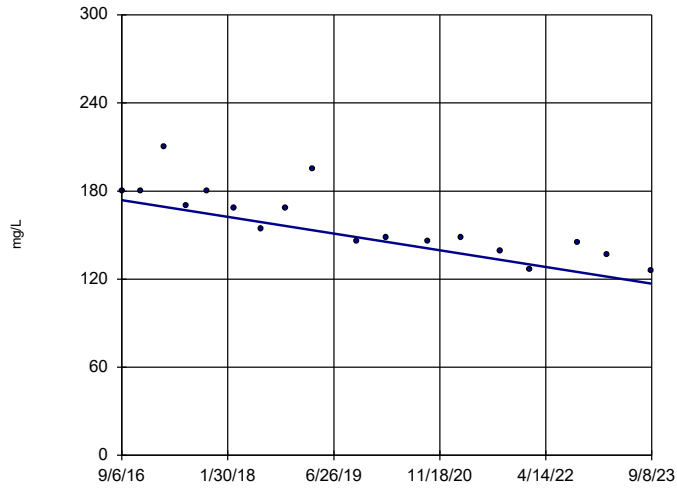
DGWC-13



Constituent: Sulfate Analysis Run 2/14/2024 9:19 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

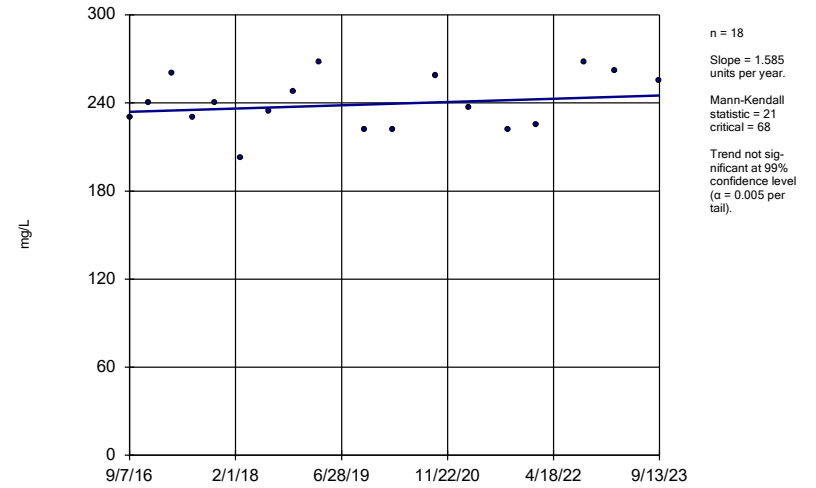
DGWC-15



Constituent: Sulfate Analysis Run 2/14/2024 9:19 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

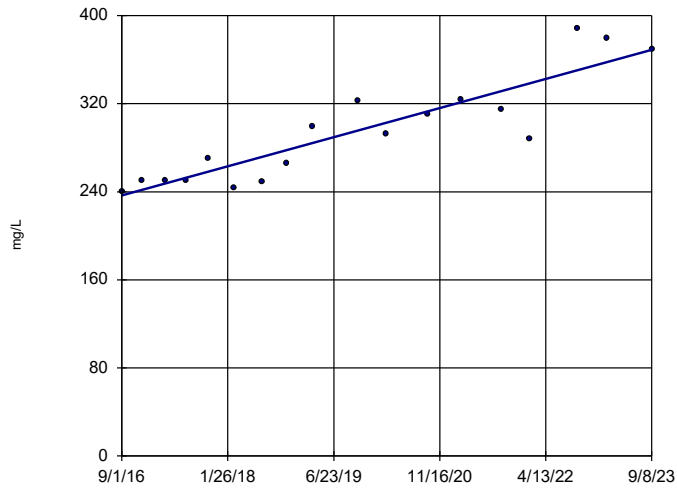
DGWC-17



Constituent: Sulfate Analysis Run 2/14/2024 9:19 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

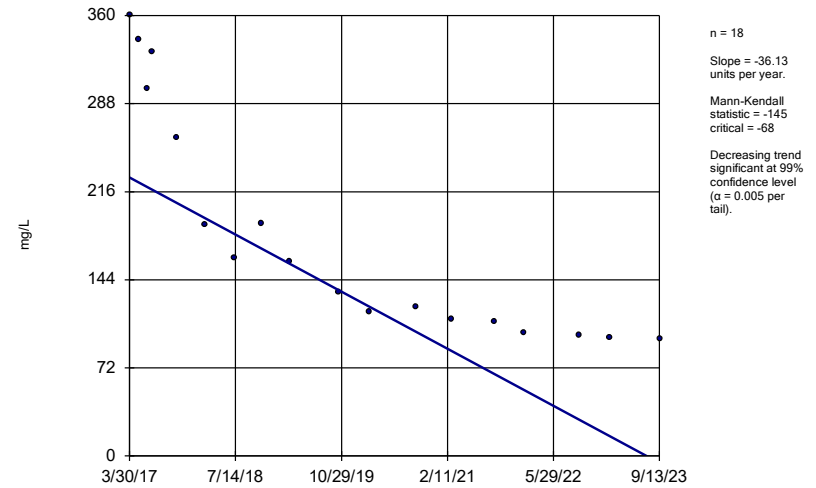
DGWC-19



Constituent: Sulfate Analysis Run 2/14/2024 9:19 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

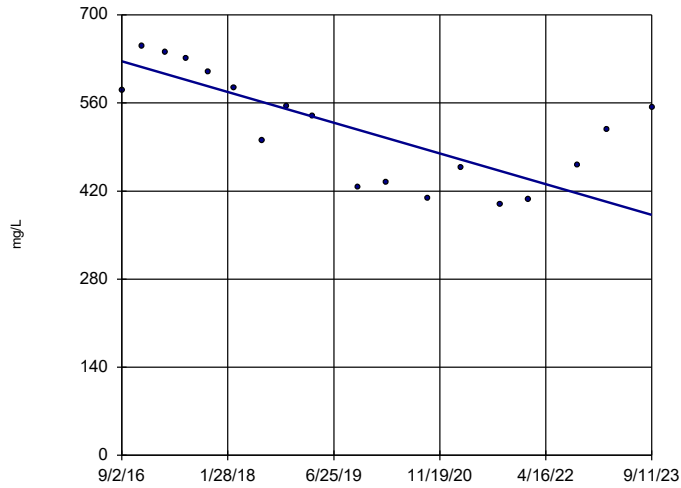
DGWC-2



Constituent: Sulfate Analysis Run 2/14/2024 9:19 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-20

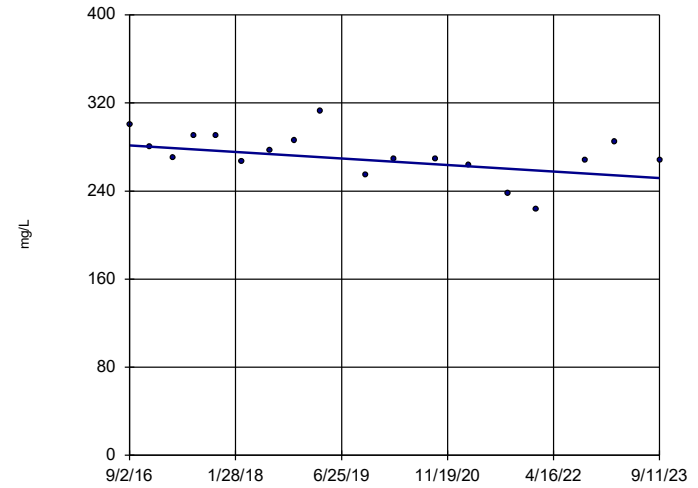


n = 18
 Slope = -34.76
 units per year.
 Mann-Kendall
 statistic = -81
 critical = -68
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 2/14/2024 9:19 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-21

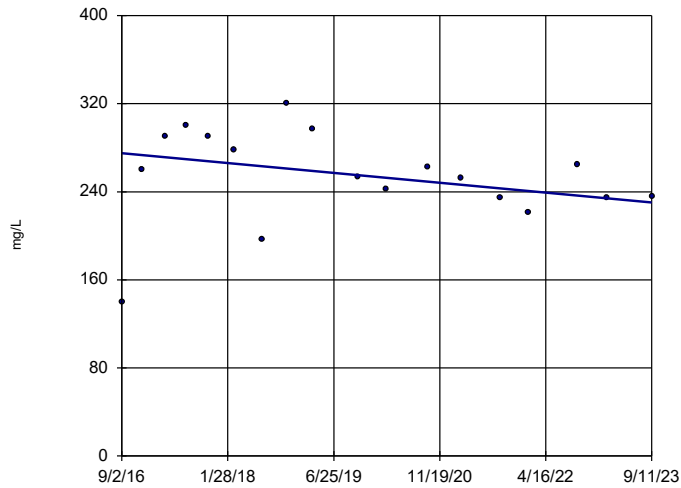


n = 18
 Slope = -4.246
 units per year.
 Mann-Kendall
 statistic = -62
 critical = -68
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 2/14/2024 9:19 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-22

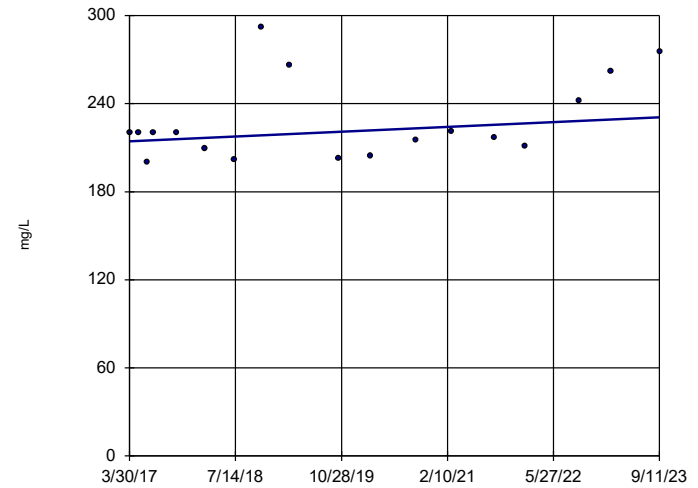


n = 18
 Slope = -6.334
 units per year.
 Mann-Kendall
 statistic = -36
 critical = -68
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 2/14/2024 9:19 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-23

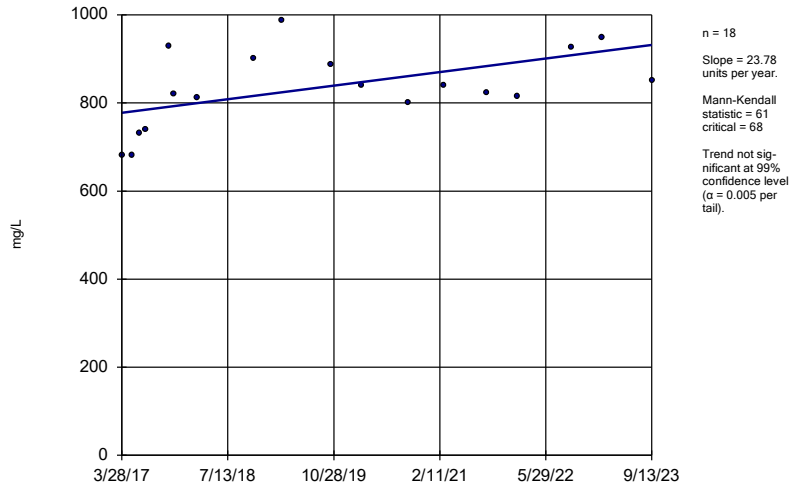


n = 18
 Slope = 2.55
 units per year.
 Mann-Kendall
 statistic = 37
 critical = 68
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 2/14/2024 9:19 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

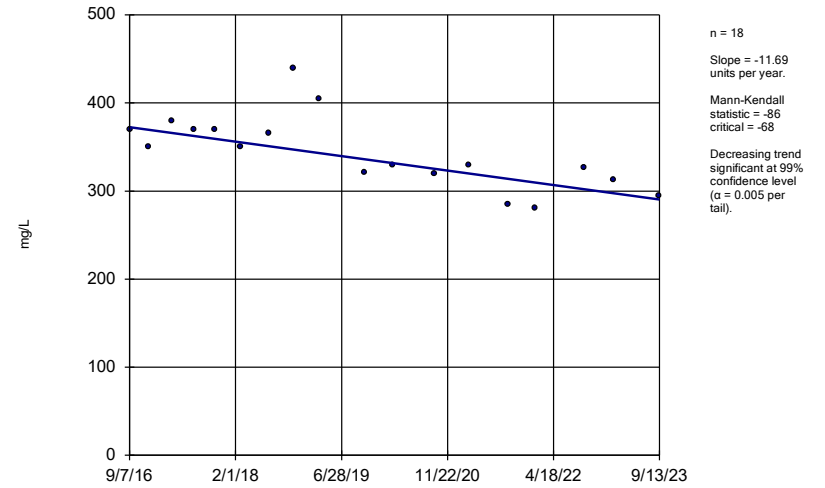
DGWC-4



Constituent: Sulfate Analysis Run 2/14/2024 9:19 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

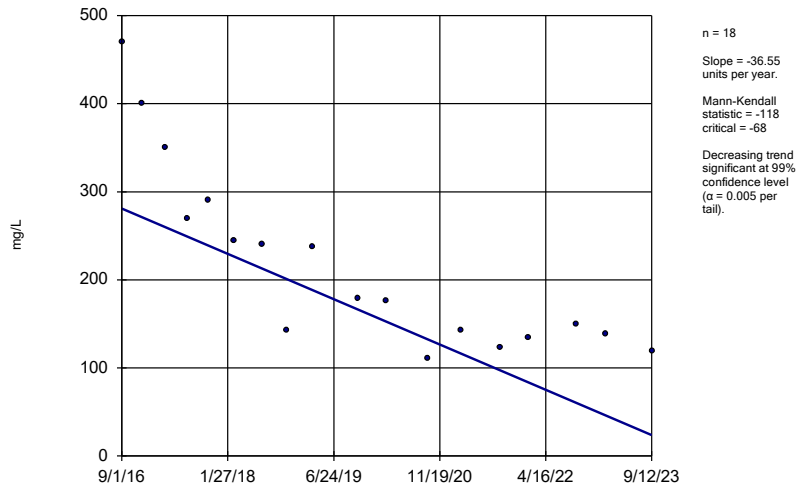
DGWC-42



Constituent: Sulfate Analysis Run 2/14/2024 9:19 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

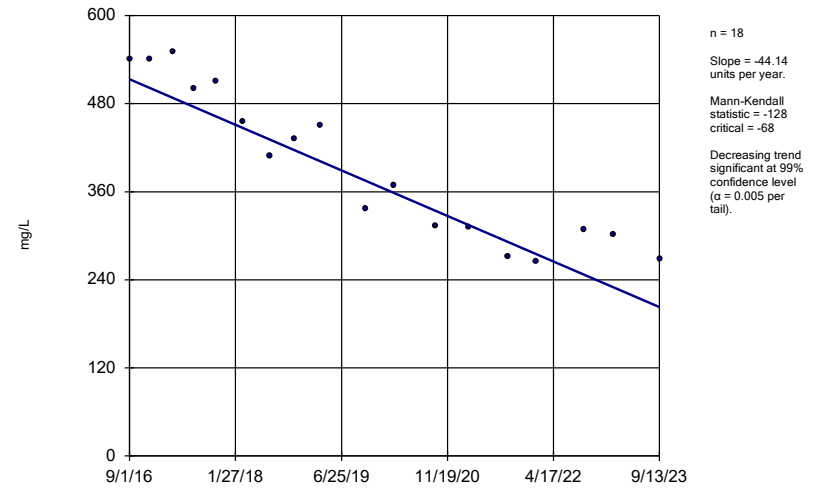
DGWC-47



Constituent: Sulfate Analysis Run 2/14/2024 9:19 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

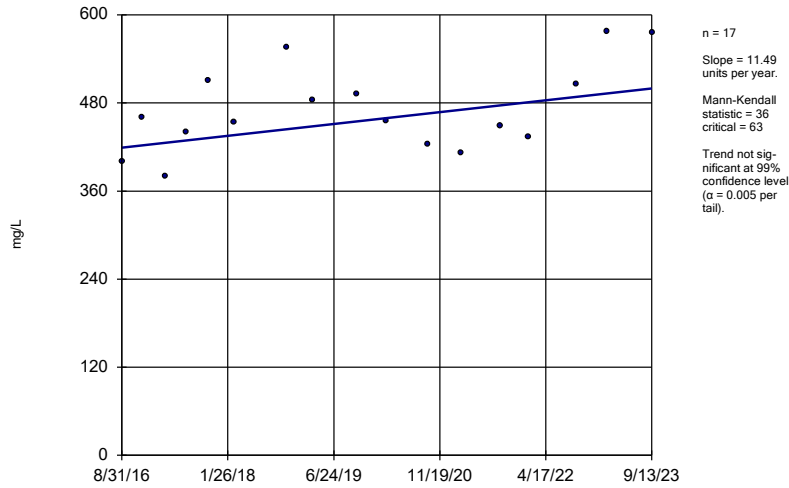
DGWC-48



Constituent: Sulfate Analysis Run 2/14/2024 9:19 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

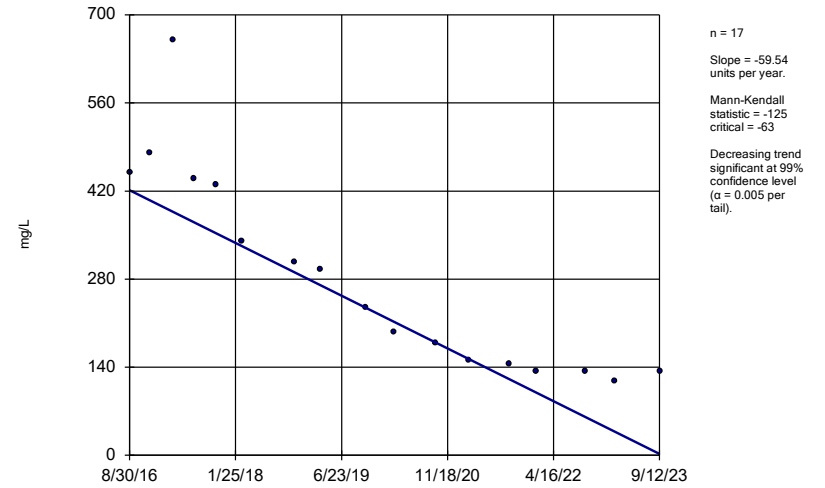
DGWC-5



Constituent: Sulfate Analysis Run 2/14/2024 9:19 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

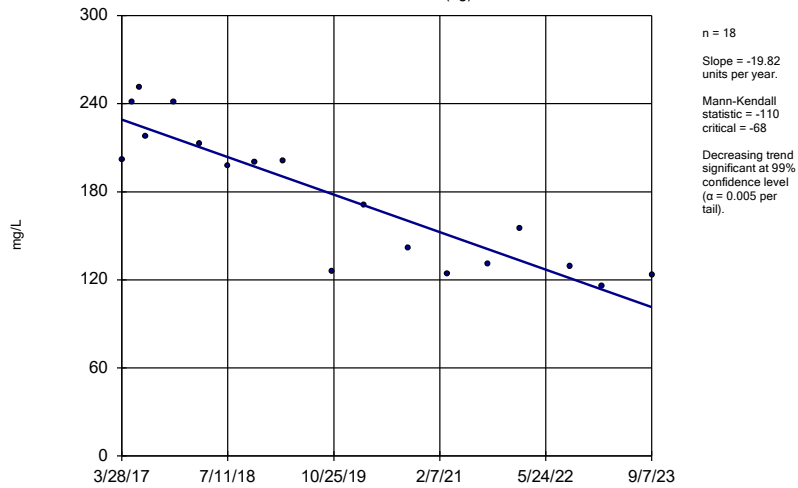
DGWC-8



Constituent: Sulfate Analysis Run 2/14/2024 9:19 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

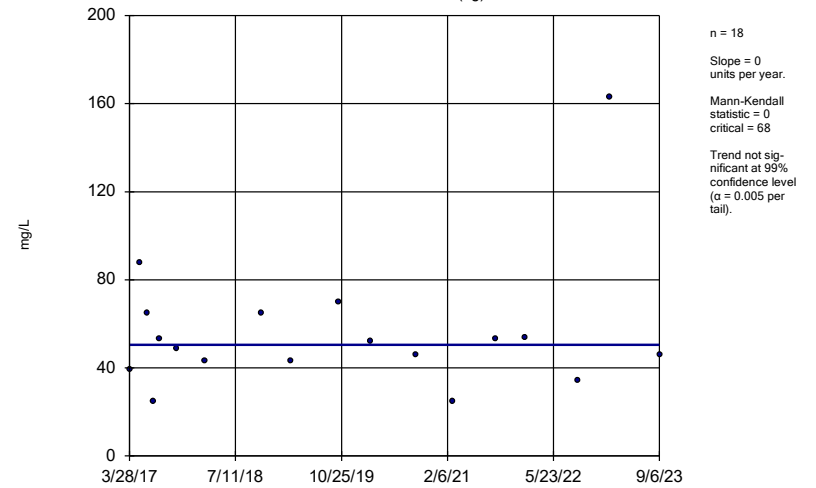
DGWA-53 (bg)



Constituent: Total Dissolved Solids [TDS] Analysis Run 2/14/2024 9:19 AM View: AP 234 Appendix III Tre
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

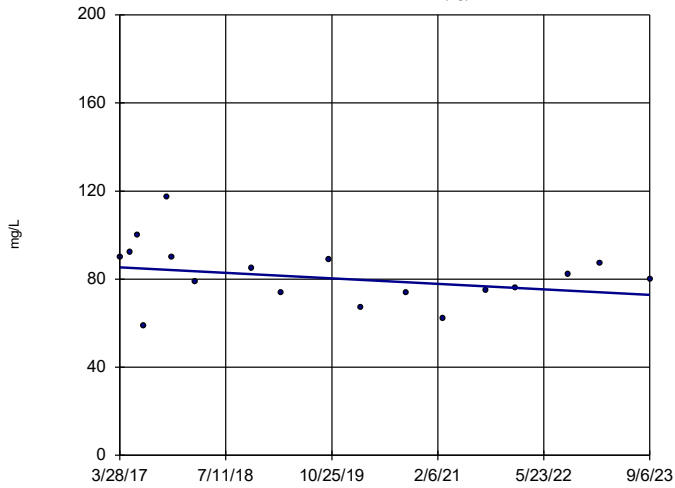
DGWA-70A (bg)



Constituent: Total Dissolved Solids [TDS] Analysis Run 2/14/2024 9:19 AM View: AP 234 Appendix III Tre
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWA-71 (bg)

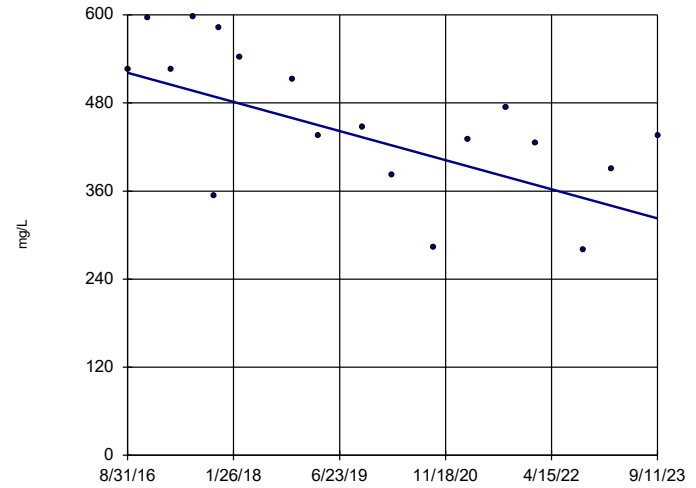


n = 18
 Slope = -1.946
 units per year.
 Mann-Kendall
 statistic = -37
 critical = -68
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 2/14/2024 9:19 AM View: AP 234 Appendix III Tre
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-10

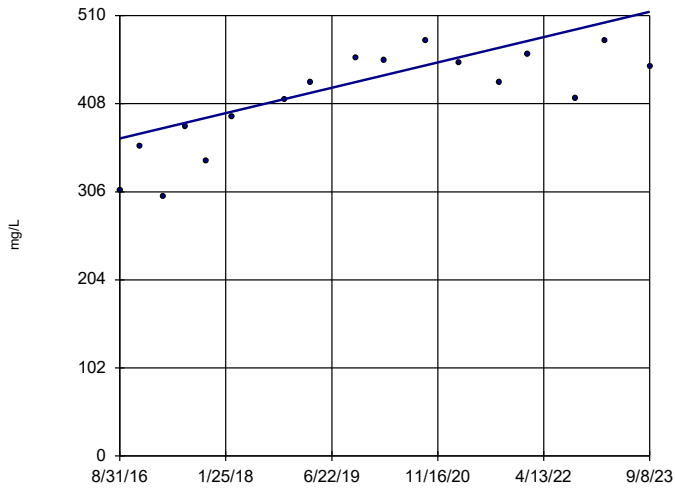


n = 18
 Slope = -28.26
 units per year.
 Mann-Kendall
 statistic = -75
 critical = -68
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 2/14/2024 9:19 AM View: AP 234 Appendix III Tre
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-11

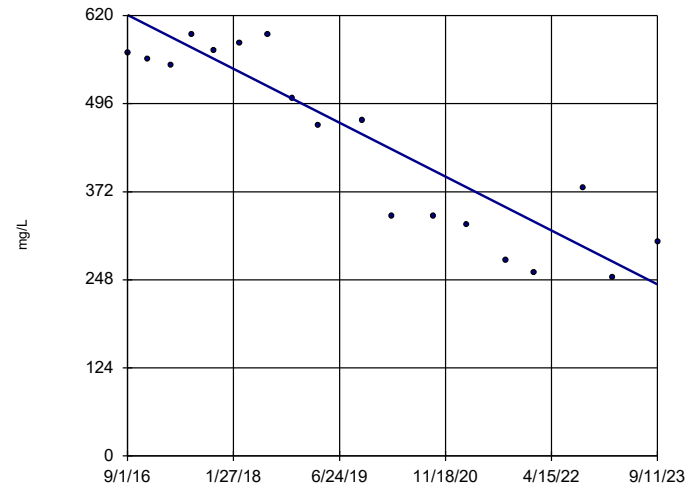


n = 17
 Slope = 20.89
 units per year.
 Mann-Kendall
 statistic = 82
 critical = 63
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 2/14/2024 9:19 AM View: AP 234 Appendix III Tre
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-12

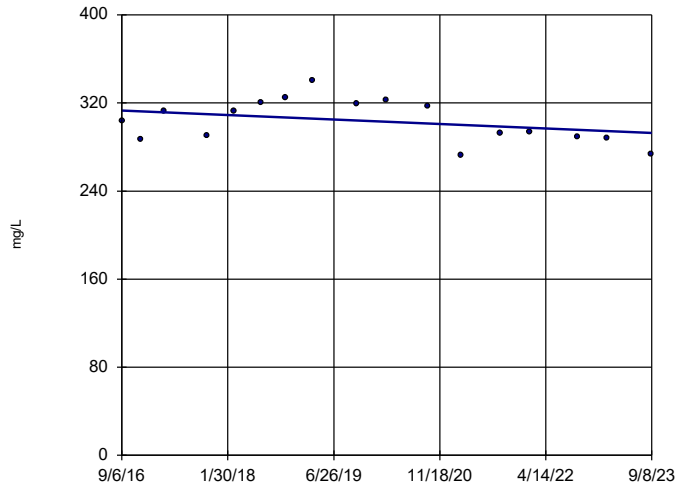


n = 18
 Slope = -53.95
 units per year.
 Mann-Kendall
 statistic = -104
 critical = -68
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 2/14/2024 9:19 AM View: AP 234 Appendix III Tre
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

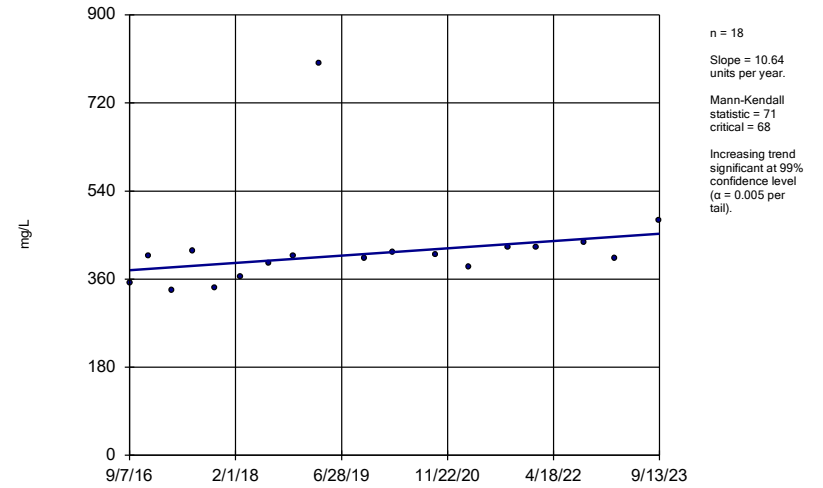
DGWC-15



Constituent: Total Dissolved Solids [TDS] Analysis Run 2/14/2024 9:19 AM View: AP 234 Appendix III Tre
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

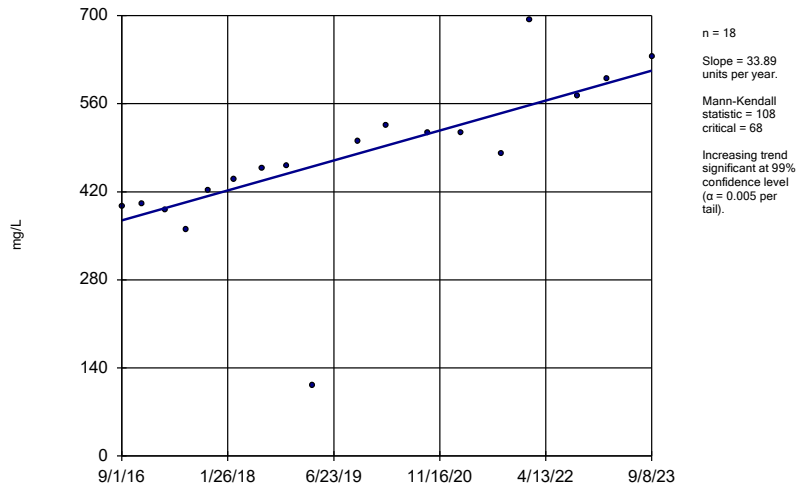
DGWC-17



Constituent: Total Dissolved Solids [TDS] Analysis Run 2/14/2024 9:19 AM View: AP 234 Appendix III Tre
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

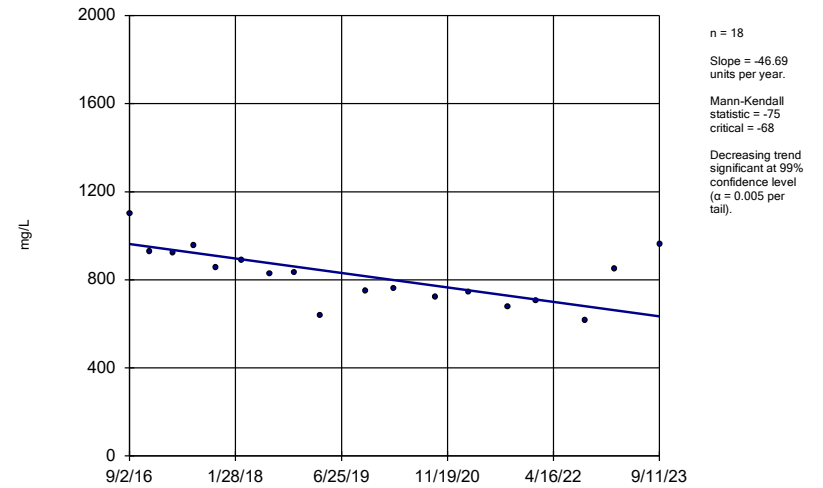
DGWC-19



Constituent: Total Dissolved Solids [TDS] Analysis Run 2/14/2024 9:19 AM View: AP 234 Appendix III Tre
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

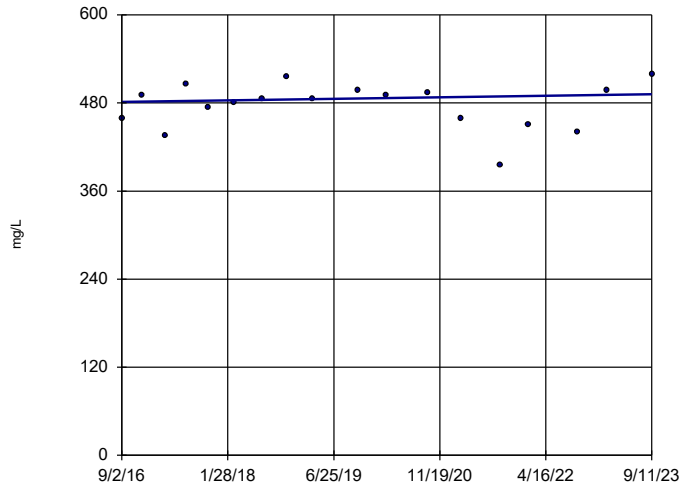
DGWC-20



Constituent: Total Dissolved Solids [TDS] Analysis Run 2/14/2024 9:19 AM View: AP 234 Appendix III Tre
Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-21

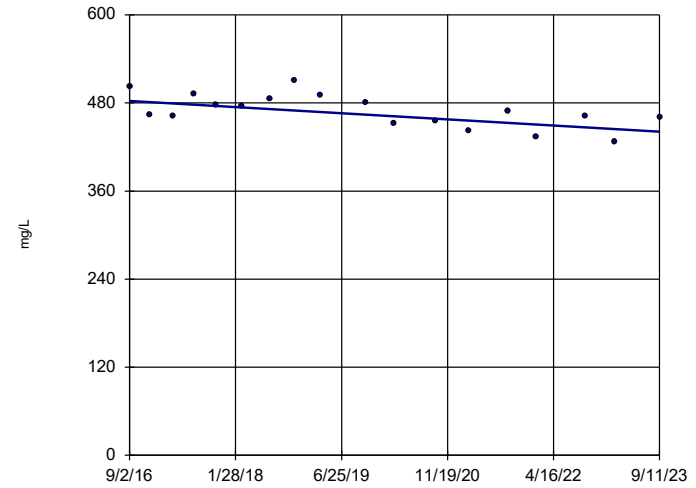


n = 18
 Slope = 1.49
 units per year.
 Mann-Kendall
 statistic = 11
 critical = 68
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 2/14/2024 9:19 AM View: AP 234 Appendix III Tre
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-22

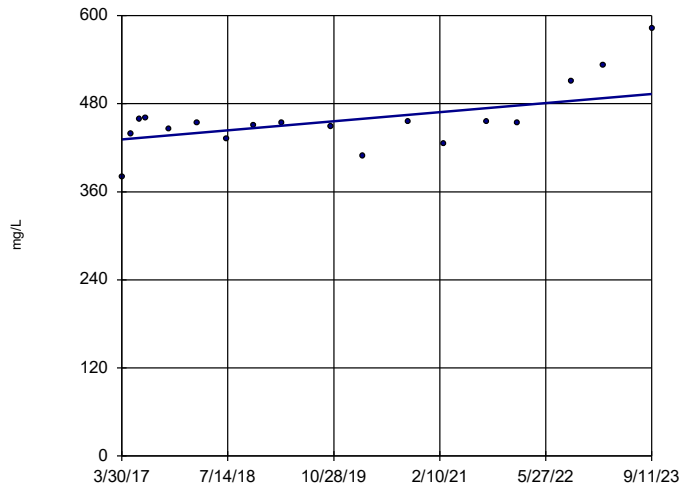


n = 18
 Slope = -6
 units per year.
 Mann-Kendall
 statistic = -70
 critical = -68
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 2/14/2024 9:19 AM View: AP 234 Appendix III Tre
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-23

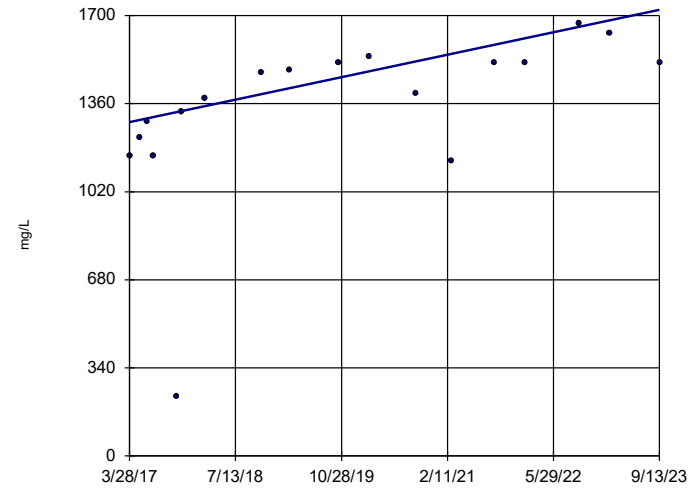


n = 18
 Slope = 9.626
 units per year.
 Mann-Kendall
 statistic = 54
 critical = 68
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 2/14/2024 9:19 AM View: AP 234 Appendix III Tre
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-4



n = 18
 Slope = 66.91
 units per year.
 Mann-Kendall
 statistic = 92
 critical = 68
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 2/14/2024 9:19 AM View: AP 234 Appendix III Tre
 Plant McDonough Data: McDonough AP

Sen's Slope Estimator

DGWC-42

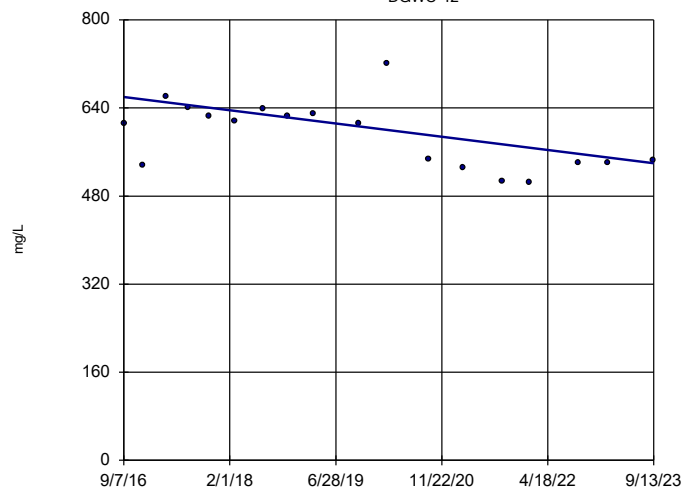


FIGURE F.

Upper Tolerance Limit Summary Table

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/21/2023, 5:13 PM

| <u>Constituent</u> | <u>Upper Lim.</u> | <u>Date</u> | <u>Observ.</u> | <u>Sig.</u> | <u>Bg.N</u> | <u>%NDs</u> | <u>ND Adj.</u> | <u>Transform</u> | <u>Alpha</u> | <u>Method</u> |
|-----------------------------------|-------------------|-------------|----------------|-------------|-------------|-------------|----------------|------------------|--------------|---------------------|
| Antimony (mg/L) | 0.0045 | n/a | n/a | n/a | 56 | 82.14 | n/a | n/a | 0.05656 | NP Inter(NDs) |
| Arsenic (mg/L) | 0.0054 | n/a | n/a | n/a | 56 | 75 | n/a | n/a | 0.05656 | NP Inter(NDs) |
| Barium (mg/L) | 0.19 | n/a | n/a | n/a | 56 | 0 | n/a | n/a | 0.05656 | NP Inter(normality) |
| Beryllium (mg/L) | 0.0009 | n/a | n/a | n/a | 57 | 54.39 | n/a | n/a | 0.05373 | NP Inter(NDs) |
| Cadmium (mg/L) | 0.0005 | n/a | n/a | n/a | 56 | 92.86 | n/a | n/a | 0.05656 | NP Inter(NDs) |
| Chromium (mg/L) | 0.005 | n/a | n/a | n/a | 55 | 69.09 | n/a | n/a | 0.05954 | NP Inter(NDs) |
| Cobalt (mg/L) | 0.0322 | n/a | n/a | n/a | 56 | 42.86 | n/a | n/a | 0.05656 | NP Inter(normality) |
| Combined Radium 226 + 228 (pCi/L) | 4.866 | n/a | n/a | n/a | 58 | 0 | None | x^(1/3) | 0.05 | Inter |
| Fluoride (mg/L) | 0.42 | n/a | n/a | n/a | 60 | 48.33 | n/a | n/a | 0.04607 | NP Inter(normality) |
| Lead (mg/L) | 0.001 | n/a | n/a | n/a | 56 | 83.93 | n/a | n/a | 0.05656 | NP Inter(NDs) |
| Lithium (mg/L) | 0.03 | n/a | n/a | n/a | 56 | 35.71 | n/a | n/a | 0.05656 | NP Inter(normality) |
| Mercury (mg/L) | 0.0002 | n/a | n/a | n/a | 56 | 85.71 | n/a | n/a | 0.05656 | NP Inter(NDs) |
| Molybdenum (mg/L) | 0.0409 | n/a | n/a | n/a | 56 | 64.29 | n/a | n/a | 0.05656 | NP Inter(NDs) |
| Selenium (mg/L) | 0.005 | n/a | n/a | n/a | 56 | 100 | n/a | n/a | 0.05656 | NP Inter(NDs) |
| Thallium (mg/L) | 0.001 | n/a | n/a | n/a | 56 | 94.64 | n/a | n/a | 0.05656 | NP Inter(NDs) |

FIGURE G.

| PLANT MCDONOUGH ASH POND 2, 3, 4 GWPS TABLE | | | | |
|--|------------|---------------------------|-------------------------|-------------|
| Constituent Name | MCL | CCR-Rule Specified | Background Limit | GWPS |
| Antimony, Total (mg/L) | 0.006 | | 0.0045 | 0.006 |
| Arsenic, Total (mg/L) | 0.01 | | 0.0054 | 0.01 |
| Barium, Total (mg/L) | 2 | | 0.19 | 2 |
| Beryllium, Total (mg/L) | 0.004 | | 0.0009 | 0.004 |
| Cadmium, Total (mg/L) | 0.005 | | 0.0005 | 0.005 |
| Chromium, Total (mg/L) | 0.1 | | 0.005 | 0.1 |
| Cobalt, Total (mg/L) | | 0.006 | 0.032 | 0.032 |
| Combined Radium, Total (pCi/L) | 5 | | 4.87 | 5 |
| Fluoride, Total (mg/L) | 4 | | 0.42 | 4 |
| Lead, Total (mg/L) | | 0.015 | 0.001 | 0.015 |
| Lithium, Total (mg/L) | | 0.04 | 0.03 | 0.04 |
| Mercury, Total (mg/L) | 0.002 | | 0.0002 | 0.002 |
| Molybdenum, Total (mg/L) | | 0.1 | 0.041 | 0.1 |
| Selenium, Total (mg/L) | 0.05 | | 0.005 | 0.05 |
| Thallium, Total (mg/L) | 0.002 | | 0.001 | 0.002 |

**Highlighted cells indicated Background is higher than MCLs or CCR-Rule*

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residual*

**GWPS = Groundwater Protection Standard*

FIGURE H.

Confidence Intervals - Significant Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 1/16/2024, 2:23 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Compliance | Sig. N | Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|-----------------------------------|---------|------------|------------|------------|--------|----------|-----------|-------|---------|-----------|-------|----------------|
| Arsenic (mg/L) | DGWC-9 | 0.02771 | 0.01603 | 0.01 | Yes 18 | 0.02187 | 0.009656 | 5.556 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | B-92 | 0.02032 | 0.0134 | 0.004 | Yes 7 | 0.01686 | 0.002911 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | B-93 | 0.01693 | 0.01326 | 0.004 | Yes 9 | 0.01477 | 0.003145 | 0 | None | x^4 | 0.01 | Param. |
| Beryllium (mg/L) | DGWC-10 | 0.008735 | 0.006009 | 0.004 | Yes 18 | 0.007372 | 0.002253 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | DGWC-47 | 0.01205 | 0.008993 | 0.004 | Yes 19 | 0.01052 | 0.002609 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | DGWC-48 | 0.0088 | 0.007242 | 0.004 | Yes 19 | 0.008021 | 0.001331 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | DGWC-5 | 0.008753 | 0.006725 | 0.004 | Yes 18 | 0.007739 | 0.001675 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | DGWC-9 | 0.005746 | 0.004909 | 0.004 | Yes 18 | 0.005328 | 0.0006918 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | B-104D | 0.1915 | 0.1177 | 0.032 | Yes 8 | 0.155 | 0.03742 | 0 | None | x^2 | 0.01 | Param. |
| Cobalt (mg/L) | B-56 | 0.05661 | 0.04339 | 0.032 | Yes 8 | 0.05 | 0.006234 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | B-63 | 0.04999 | 0.03545 | 0.032 | Yes 9 | 0.04272 | 0.00753 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | B-92 | 0.09426 | 0.03414 | 0.032 | Yes 5 | 0.0642 | 0.01794 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | B-93 | 0.06738 | 0.05571 | 0.032 | Yes 9 | 0.06111 | 0.008253 | 0 | None | x^4 | 0.01 | Param. |
| Cobalt (mg/L) | DGWC-10 | 0.193 | 0.086 | 0.032 | Yes 18 | 0.1403 | 0.05094 | 0 | None | No | 0.01 | NP (normality) |
| Cobalt (mg/L) | DGWC-19 | 0.0533 | 0.04998 | 0.032 | Yes 19 | 0.05164 | 0.002838 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | DGWC-20 | 0.7547 | 0.506 | 0.032 | Yes 19 | 0.6559 | 0.2549 | 0 | None | ln(x) | 0.01 | Param. |
| Cobalt (mg/L) | DGWC-47 | 0.3539 | 0.2388 | 0.032 | Yes 19 | 0.2964 | 0.09827 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | DGWC-48 | 0.4783 | 0.3733 | 0.032 | Yes 19 | 0.4258 | 0.08964 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | DGWC-9 | 0.2082 | 0.1546 | 0.032 | Yes 18 | 0.1814 | 0.04426 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | B-104D | 16.21 | 10.3 | 5 | Yes 8 | 13.25 | 2.789 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | B-111D | 10.51 | 5.024 | 5 | Yes 8 | 7.765 | 2.586 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | B-120D | 0.0928 | 0.0512 | 0.04 | Yes 6 | 0.072 | 0.01514 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | DGWC-47 | 0.07036 | 0.05388 | 0.04 | Yes 19 | 0.06212 | 0.01407 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | DGWC-48 | 0.122 | 0.1033 | 0.04 | Yes 19 | 0.1127 | 0.01596 | 0 | None | No | 0.01 | Param. |

Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 1/16/2024, 2:23 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Compliance | Sig. N | Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|-----------------------|---------------|----------------|----------------|-------------|---------------|----------------|-----------------|--------------|--------------|-----------|-------------|----------------|
| Antimony (mg/L) | B-100 | 0.003 | 0.0013 | 0.006 | No 8 | 0.002625 | 0.0007025 | 75 | None | No | 0.004 | NP (NDs) |
| Antimony (mg/L) | B-101D | 0.001684 | 0.0004313 | 0.006 | No 7 | 0.001873 | 0.001146 | 42.86 | Kaplan-Meier | sqrt(x) | 0.01 | Param. |
| Antimony (mg/L) | B-102D | 0.003 | 0.0016 | 0.006 | No 8 | 0.002825 | 0.000495 | 87.5 | Kaplan-Meier | No | 0.004 | NP (NDs) |
| Antimony (mg/L) | B-104D | 0.003 | 0.00048 | 0.006 | No 8 | 0.00188 | 0.001205 | 50 | None | No | 0.004 | NP (normality) |
| Antimony (mg/L) | B-106D | 0.003 | 0.00048 | 0.006 | No 7 | 0.00264 | 0.0009525 | 85.71 | None | No | 0.008 | NP (NDs) |
| Antimony (mg/L) | B-111D | 0.003 | 0.0006 | 0.006 | No 8 | 0.002525 | 0.0009192 | 75 | None | No | 0.004 | NP (NDs) |
| Antimony (mg/L) | B-120D | 0.003 | 0.00029 | 0.006 | No 6 | 0.002548 | 0.001106 | 83.33 | None | No | 0.0155 | NP (NDs) |
| Antimony (mg/L) | B-56 | 0.003 | 0.0011 | 0.006 | No 8 | 0.002763 | 0.0006718 | 87.5 | None | No | 0.004 | NP (NDs) |
| Antimony (mg/L) | B-62 | 0.003 | 0.003 | 0.006 | No 11 | 0.002769 | 0.0007658 | 90.91 | None | No | 0.006 | NP (NDs) |
| Antimony (mg/L) | B-63 | 0.003 | 0.00066 | 0.006 | No 8 | 0.002708 | 0.0008273 | 87.5 | None | No | 0.004 | NP (NDs) |
| Antimony (mg/L) | B-77 | 0.003 | 0.00043 | 0.006 | No 10 | 0.002242 | 0.001222 | 70 | None | No | 0.011 | NP (NDs) |
| Antimony (mg/L) | B-93 | 0.003 | 0.00096 | 0.006 | No 8 | 0.002358 | 0.0008999 | 62.5 | None | No | 0.004 | NP (NDs) |
| Antimony (mg/L) | B-98 | 0.003 | 0.001 | 0.006 | No 5 | 0.0026 | 0.0008944 | 80 | None | No | 0.031 | NP (NDs) |
| Antimony (mg/L) | DGWC-10 | 0.003 | 0.0021 | 0.006 | No 18 | 0.00295 | 0.0002121 | 94.44 | None | No | 0.01 | NP (NDs) |
| Antimony (mg/L) | DGWC-12 | 0.003 | 0.0003 | 0.006 | No 20 | 0.002865 | 0.0006037 | 95 | None | No | 0.01 | NP (NDs) |
| Antimony (mg/L) | DGWC-14 | 0.003 | 0.0011 | 0.006 | No 19 | 0.002795 | 0.0006151 | 89.47 | None | No | 0.01 | NP (NDs) |
| Antimony (mg/L) | DGWC-15 | 0.003 | 0.00073 | 0.006 | No 19 | 0.00274 | 0.0007816 | 89.47 | None | No | 0.01 | NP (NDs) |
| Antimony (mg/L) | DGWC-17 | 0.003 | 0.00045 | 0.006 | No 19 | 0.002866 | 0.000585 | 94.74 | None | No | 0.01 | NP (NDs) |
| Antimony (mg/L) | DGWC-19 | 0.003 | 0.0013 | 0.006 | No 19 | 0.002772 | 0.0007019 | 89.47 | None | No | 0.01 | NP (NDs) |
| Antimony (mg/L) | DGWC-2 | 0.003 | 0.0006 | 0.006 | No 19 | 0.002874 | 0.0005506 | 94.74 | None | No | 0.01 | NP (NDs) |
| Antimony (mg/L) | DGWC-20 | 0.003 | 0.0018 | 0.006 | No 19 | 0.002937 | 0.0002753 | 94.74 | None | No | 0.01 | NP (NDs) |
| Antimony (mg/L) | DGWC-21 | 0.003 | 0.0013 | 0.006 | No 19 | 0.002911 | 0.00039 | 94.74 | None | No | 0.01 | NP (NDs) |
| Antimony (mg/L) | DGWC-23 | 0.003 | 0.0007 | 0.006 | No 19 | 0.002879 | 0.0005277 | 94.74 | None | No | 0.01 | NP (NDs) |
| Antimony (mg/L) | DGWC-4 | 0.003 | 0.0008 | 0.006 | No 18 | 0.002604 | 0.0009131 | 83.33 | None | No | 0.01 | NP (NDs) |
| Antimony (mg/L) | DGWC-47 | 0.003 | 0.0012 | 0.006 | No 19 | 0.002905 | 0.0004129 | 94.74 | None | No | 0.01 | NP (NDs) |
| Antimony (mg/L) | DGWC-48 | 0.003 | 0.0018 | 0.006 | No 19 | 0.002799 | 0.000645 | 89.47 | None | No | 0.01 | NP (NDs) |
| Antimony (mg/L) | DGWC-5 | 0.003 | 0.0015 | 0.006 | No 18 | 0.002768 | 0.0007055 | 88.89 | None | No | 0.01 | NP (NDs) |
| Antimony (mg/L) | DGWC-8 | 0.003 | 0.00046 | 0.006 | No 18 | 0.002859 | 0.0005987 | 94.44 | None | No | 0.01 | NP (NDs) |
| Arsenic (mg/L) | B-101D | 0.005 | 0.0017 | 0.01 | No 7 | 0.004529 | 0.001247 | 85.71 | None | No | 0.008 | NP (NDs) |
| Arsenic (mg/L) | B-104D | 0.005 | 0.0019 | 0.01 | No 8 | 0.004112 | 0.001299 | 62.5 | None | No | 0.004 | NP (NDs) |
| Arsenic (mg/L) | B-111D | 0.005 | 0.0022 | 0.01 | No 8 | 0.00405 | 0.001327 | 62.5 | None | No | 0.004 | NP (NDs) |
| Arsenic (mg/L) | B-120D | 0.005 | 0.0016 | 0.01 | No 6 | 0.004433 | 0.001388 | 83.33 | None | No | 0.0155 | NP (NDs) |
| Arsenic (mg/L) | B-56 | 0.004783 | 0.002792 | 0.01 | No 8 | 0.003787 | 0.0009387 | 12.5 | None | No | 0.01 | Param. |
| Arsenic (mg/L) | B-62 | 0.005 | 0.005 | 0.01 | No 11 | 0.004845 | 0.0005126 | 90.91 | None | No | 0.006 | NP (NDs) |
| Arsenic (mg/L) | B-63 | 0.005 | 0.0022 | 0.01 | No 8 | 0.00465 | 0.0009899 | 87.5 | None | No | 0.004 | NP (NDs) |
| Arsenic (mg/L) | B-77 | 0.005 | 0.002 | 0.01 | No 10 | 0.00374 | 0.001366 | 50 | None | No | 0.011 | NP (normality) |
| Arsenic (mg/L) | B-82 | 0.005 | 0.004 | 0.01 | No 10 | 0.0047 | 0.0006749 | 80 | None | No | 0.011 | NP (NDs) |
| Arsenic (mg/L) | B-83 | 0.005 | 0.0014 | 0.01 | No 9 | 0.0046 | 0.0012 | 88.89 | None | No | 0.002 | NP (NDs) |
| Arsenic (mg/L) | B-92 | 0.002445 | 0.0008887 | 0.01 | No 5 | 0.003 | 0.001869 | 40 | Kaplan-Meier | No | 0.01 | Param. |
| Arsenic (mg/L) | B-93 | 0.005 | 0.0013 | 0.01 | No 8 | 0.0036 | 0.001565 | 50 | None | No | 0.004 | NP (normality) |
| Arsenic (mg/L) | B-97 | 0.005 | 0.0014 | 0.01 | No 5 | 0.00428 | 0.00161 | 80 | None | No | 0.031 | NP (NDs) |
| Arsenic (mg/L) | DGWC-10 | 0.006468 | 0.003499 | 0.01 | No 18 | 0.004983 | 0.002453 | 5.556 | None | No | 0.01 | Param. |
| Arsenic (mg/L) | DGWC-12 | 0.005 | 0.00063 | 0.01 | No 20 | 0.004561 | 0.00135 | 90 | None | No | 0.01 | NP (NDs) |
| Arsenic (mg/L) | DGWC-14 | 0.005 | 0.00039 | 0.01 | No 19 | 0.004757 | 0.001058 | 94.74 | None | No | 0.01 | NP (NDs) |
| Arsenic (mg/L) | DGWC-15 | 0.005 | 0.0013 | 0.01 | No 19 | 0.004344 | 0.001561 | 84.21 | None | No | 0.01 | NP (NDs) |
| Arsenic (mg/L) | DGWC-17 | 0.005 | 0.0011 | 0.01 | No 19 | 0.003544 | 0.001967 | 63.16 | None | No | 0.01 | NP (NDs) |
| Arsenic (mg/L) | DGWC-19 | 0.005 | 0.0013 | 0.01 | No 19 | 0.002692 | 0.001723 | 31.58 | None | No | 0.01 | NP (normality) |
| Arsenic (mg/L) | DGWC-2 | 0.005 | 0.0025 | 0.01 | No 19 | 0.004515 | 0.001182 | 84.21 | None | No | 0.01 | NP (NDs) |
| Arsenic (mg/L) | DGWC-20 | 0.01828 | 0.009528 | 0.01 | No 19 | 0.01391 | 0.007476 | 0 | None | No | 0.01 | Param. |
| Arsenic (mg/L) | DGWC-22 | 0.005 | 0.001 | 0.01 | No 19 | 0.004789 | 0.0009177 | 94.74 | None | No | 0.01 | NP (NDs) |
| Arsenic (mg/L) | DGWC-4 | 0.005 | 0.0011 | 0.01 | No 18 | 0.00405 | 0.001833 | 77.78 | None | No | 0.01 | NP (NDs) |
| Arsenic (mg/L) | DGWC-42 | 0.005 | 0.0011 | 0.01 | No 19 | 0.004568 | 0.001294 | 89.47 | None | No | 0.01 | NP (NDs) |
| Arsenic (mg/L) | DGWC-47 | 0.005 | 0.0013 | 0.01 | No 19 | 0.003053 | 0.0016 | 31.58 | None | No | 0.01 | NP (normality) |
| Arsenic (mg/L) | DGWC-48 | 0.005 | 0.0012 | 0.01 | No 19 | 0.003584 | 0.001921 | 63.16 | None | No | 0.01 | NP (NDs) |
| Arsenic (mg/L) | DGWC-5 | 0.007316 | 0.002552 | 0.01 | No 18 | 0.007361 | 0.008981 | 16.67 | Kaplan-Meier | ln(x) | 0.01 | Param. |
| Arsenic (mg/L) | DGWC-8 | 0.005 | 0.0015 | 0.01 | No 18 | 0.003981 | 0.001703 | 72.22 | Kaplan-Meier | No | 0.01 | NP (NDs) |
| Arsenic (mg/L) | DGWC-9 | 0.02771 | 0.01603 | 0.01 | Yes 18 | 0.02187 | 0.009656 | 5.556 | None | No | 0.01 | Param. |
| Barium (mg/L) | B-100 | 0.098 | 0.015 | 2 | No 8 | 0.03038 | 0.02743 | 0 | None | No | 0.004 | NP (normality) |
| Barium (mg/L) | B-101D | 0.07849 | 0.05408 | 2 | No 7 | 0.06629 | 0.01027 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | B-102D | 0.02288 | 0.01912 | 2 | No 8 | 0.021 | 0.001773 | 0 | None | No | 0.01 | Param. |

Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 1/16/2024, 2:23 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Compliance | Sig. N | Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|-------------------------|----------------|-----------------|-----------------|--------------|---------------|-----------------|-----------------|----------|-------------|------------|-------------|----------------|
| Barium (mg/L) | B-104D | 0.02433 | 0.01867 | 2 | No 8 | 0.0215 | 0.002673 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | B-106D | 0.02261 | 0.01996 | 2 | No 7 | 0.02129 | 0.001113 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | B-107D | 0.1232 | 0.04279 | 2 | No 7 | 0.083 | 0.03385 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | B-108D | 0.06338 | 0.05034 | 2 | No 7 | 0.05686 | 0.00549 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | B-111D | 0.043 | 0.027 | 2 | No 8 | 0.0325 | 0.006256 | 0 | None | No | 0.004 | NP (normality) |
| Barium (mg/L) | B-120D | 0.03944 | 0.01721 | 2 | No 6 | 0.0275 | 0.008894 | 0 | None | x^(1/3) | 0.01 | Param. |
| Barium (mg/L) | B-56 | 0.02952 | 0.02623 | 2 | No 8 | 0.02788 | 0.001553 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | B-62 | 0.02504 | 0.01841 | 2 | No 11 | 0.02173 | 0.003977 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | B-63 | 0.056 | 0.02 | 2 | No 8 | 0.02863 | 0.01178 | 0 | None | No | 0.004 | NP (normality) |
| Barium (mg/L) | B-66 | 0.02427 | 0.01598 | 2 | No 8 | 0.02013 | 0.003907 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | B-77 | 0.1222 | 0.09683 | 2 | No 10 | 0.1095 | 0.0142 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | B-82 | 0.02828 | 0.02127 | 2 | No 9 | 0.02478 | 0.003632 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | B-83 | 0.056 | 0.024 | 2 | No 9 | 0.03111 | 0.009968 | 0 | None | No | 0.002 | NP (normality) |
| Barium (mg/L) | B-88 | 0.022 | 0.016 | 2 | No 8 | 0.01863 | 0.002615 | 0 | None | No | 0.004 | NP (normality) |
| Barium (mg/L) | B-92 | 0.01769 | 0.01271 | 2 | No 5 | 0.0152 | 0.001483 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | B-93 | 0.01895 | 0.0148 | 2 | No 8 | 0.01688 | 0.001959 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | B-97 | 0.021 | 0.02 | 2 | No 5 | 0.0202 | 0.0004472 | 0 | None | No | 0.031 | NP (normality) |
| Barium (mg/L) | B-98 | 0.092 | 0.035 | 2 | No 5 | 0.0602 | 0.02537 | 0 | None | No | 0.031 | NP (selected) |
| Barium (mg/L) | DGWC-10 | 0.02789 | 0.02185 | 2 | No 18 | 0.02487 | 0.004989 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | DGWC-11 | 0.06356 | 0.05048 | 2 | No 18 | 0.05702 | 0.0108 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | DGWC-12 | 0.0375 | 0.02607 | 2 | No 20 | 0.03229 | 0.01076 | 0 | None | sqrt(x) | 0.01 | Param. |
| Barium (mg/L) | DGWC-13 | 0.0318 | 0.02575 | 2 | No 18 | 0.02817 | 0.00679 | 5.556 | None | x^2 | 0.01 | Param. |
| Barium (mg/L) | DGWC-14 | 0.06226 | 0.05823 | 2 | No 19 | 0.06024 | 0.003444 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | DGWC-15 | 0.04904 | 0.04251 | 2 | No 19 | 0.04577 | 0.005575 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | DGWC-17 | 0.05232 | 0.03791 | 2 | No 19 | 0.04512 | 0.01231 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | DGWC-19 | 0.02541 | 0.02237 | 2 | No 19 | 0.02389 | 0.002596 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | DGWC-2 | 0.023 | 0.0206 | 2 | No 19 | 0.02184 | 0.001119 | 0 | None | No | 0.01 | NP (normality) |
| Barium (mg/L) | DGWC-20 | 0.01595 | 0.01059 | 2 | No 19 | 0.01327 | 0.004573 | 5.263 | None | No | 0.01 | Param. |
| Barium (mg/L) | DGWC-21 | 0.027 | 0.024 | 2 | No 19 | 0.02555 | 0.00156 | 0 | None | No | 0.01 | NP (normality) |
| Barium (mg/L) | DGWC-22 | 0.03621 | 0.03079 | 2 | No 19 | 0.0335 | 0.004632 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | DGWC-23 | 0.02331 | 0.01914 | 2 | No 19 | 0.02132 | 0.003733 | 0 | None | sqrt(x) | 0.01 | Param. |
| Barium (mg/L) | DGWC-4 | 0.03561 | 0.03257 | 2 | No 18 | 0.03409 | 0.002514 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | DGWC-42 | 0.01933 | 0.01582 | 2 | No 19 | 0.01765 | 0.003134 | 0 | None | sqrt(x) | 0.01 | Param. |
| Barium (mg/L) | DGWC-47 | 0.02005 | 0.01667 | 2 | No 19 | 0.01836 | 0.002888 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | DGWC-48 | 0.015 | 0.013 | 2 | No 19 | 0.01374 | 0.0009657 | 0 | None | No | 0.01 | NP (normality) |
| Barium (mg/L) | DGWC-5 | 0.01826 | 0.01673 | 2 | No 17 | 0.01749 | 0.001218 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | DGWC-8 | 0.03509 | 0.0248 | 2 | No 18 | 0.02994 | 0.008498 | 0 | None | No | 0.01 | Param. |
| Barium (mg/L) | DGWC-9 | 0.0166 | 0.01506 | 2 | No 18 | 0.01583 | 0.001275 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | B-100 | 0.0005753 | 0.0003347 | 0.004 | No 8 | 0.000455 | 0.0001135 | 12.5 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | B-101D | 0.00025 | 0.000047 | 0.004 | No 7 | 0.00009129 | 0.00007062 | 14.29 | None | No | 0.008 | NP (normality) |
| Beryllium (mg/L) | B-102D | 0.001319 | 0.0008688 | 0.004 | No 8 | 0.001094 | 0.0002123 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | B-104D | 0.001596 | 0.001204 | 0.004 | No 8 | 0.0014 | 0.0001852 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | B-106D | 0.0001356 | 0.00007864 | 0.004 | No 7 | 0.0001071 | 0.000024 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | B-107D | 0.0005 | 0.00005 | 0.004 | No 7 | 0.0004357 | 0.0001701 | 85.71 | None | No | 0.008 | NP (NDs) |
| Beryllium (mg/L) | B-120D | 0.001164 | 0.0006956 | 0.004 | No 6 | 0.00093 | 0.0001706 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | B-56 | 0.0013 | 0.0011 | 0.004 | No 8 | 0.001225 | 0.00007071 | 0 | None | No | 0.004 | NP (normality) |
| Beryllium (mg/L) | B-62 | 0.0025 | 0.00009 | 0.004 | No 12 | 0.0005148 | 0.0009275 | 16.67 | None | No | 0.01 | NP (normality) |
| Beryllium (mg/L) | B-63 | 0.00053 | 0.0003 | 0.004 | No 10 | 0.000511 | 0.0003579 | 10 | None | No | 0.011 | NP (normality) |
| Beryllium (mg/L) | B-77 | 0.0005 | 0.000057 | 0.004 | No 10 | 0.000299 | 0.0002136 | 50 | None | No | 0.011 | NP (normality) |
| Beryllium (mg/L) | B-82 | 0.001942 | 0.001346 | 0.004 | No 9 | 0.001644 | 0.0003087 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | B-83 | 0.0007 | 0.00028 | 0.004 | No 9 | 0.0004011 | 0.0001236 | 0 | None | No | 0.002 | NP (normality) |
| Beryllium (mg/L) | B-88 | 0.002793 | 0.0007957 | 0.004 | No 8 | 0.001779 | 0.001356 | 0 | None | ln(x) | 0.01 | Param. |
| Beryllium (mg/L) | B-92 | 0.02032 | 0.0134 | 0.004 | Yes 7 | 0.01686 | 0.002911 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | B-93 | 0.01693 | 0.01326 | 0.004 | Yes 9 | 0.01477 | 0.003145 | 0 | None | x^4 | 0.01 | Param. |
| Beryllium (mg/L) | B-97 | 0.00185 | 0.00155 | 0.004 | No 8 | 0.0017 | 0.0001414 | 12.5 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | B-98 | 0.00087 | 0.000062 | 0.004 | No 8 | 0.0004375 | 0.000263 | 62.5 | None | No | 0.004 | NP (NDs) |
| Beryllium (mg/L) | DGWC-10 | 0.008735 | 0.006009 | 0.004 | Yes 18 | 0.007372 | 0.002253 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | DGWC-11 | 0.003 | 0.00014 | 0.004 | No 18 | 0.001262 | 0.001427 | 38.89 | None | No | 0.01 | NP (normality) |
| Beryllium (mg/L) | DGWC-12 | 0.00028 | 0.00011 | 0.004 | No 20 | 0.0003579 | 0.0006359 | 15 | None | No | 0.01 | NP (normality) |
| Beryllium (mg/L) | DGWC-13 | 0.003 | 0.00007 | 0.004 | No 18 | 0.001538 | 0.001504 | 50 | None | No | 0.01 | NP (normality) |

Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 1/16/2024, 2:23 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Compliance | Sig. N | Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|-------------------------|----------------|-----------------|-----------------|--------------|---------------|-----------------|------------------|----------|--------------|-----------|-------------|----------------|
| Beryllium (mg/L) | DGWC-15 | 0.003 | 0.00022 | 0.004 | No 19 | 0.0005936 | 0.0005943 | 89.47 | None | No | 0.01 | NP (NDs) |
| Beryllium (mg/L) | DGWC-17 | 0.00066 | 0.00051 | 0.004 | No 19 | 0.0006758 | 0.0002959 | 10.53 | None | No | 0.01 | NP (normality) |
| Beryllium (mg/L) | DGWC-19 | 0.001963 | 0.001721 | 0.004 | No 19 | 0.001842 | 0.0002063 | 10.53 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | DGWC-20 | 0.005571 | 0.002976 | 0.004 | No 19 | 0.004274 | 0.002215 | 10.53 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | DGWC-21 | 0.0002 | 0.00015 | 0.004 | No 19 | 0.0003053 | 0.0004223 | 10.53 | None | No | 0.01 | NP (normality) |
| Beryllium (mg/L) | DGWC-22 | 0.0002 | 0.00013 | 0.004 | No 19 | 0.0003016 | 0.0004238 | 10.53 | None | No | 0.01 | NP (normality) |
| Beryllium (mg/L) | DGWC-23 | 0.0005 | 0.00038 | 0.004 | No 19 | 0.0005437 | 0.0003494 | 10.53 | None | No | 0.01 | NP (normality) |
| Beryllium (mg/L) | DGWC-4 | 0.00034 | 0.0002 | 0.004 | No 18 | 0.0003828 | 0.0004137 | 11.11 | None | No | 0.01 | NP (normality) |
| Beryllium (mg/L) | DGWC-42 | 0.002654 | 0.002125 | 0.004 | No 19 | 0.002389 | 0.000452 | 5.263 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | DGWC-47 | 0.01205 | 0.008993 | 0.004 | Yes 19 | 0.01052 | 0.002609 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | DGWC-48 | 0.0088 | 0.007242 | 0.004 | Yes 19 | 0.008021 | 0.001331 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | DGWC-5 | 0.008753 | 0.006725 | 0.004 | Yes 18 | 0.007739 | 0.001675 | 0 | None | No | 0.01 | Param. |
| Beryllium (mg/L) | DGWC-8 | 0.002579 | 0.001368 | 0.004 | No 18 | 0.002049 | 0.001105 | 5.556 | None | sqrt(x) | 0.01 | Param. |
| Beryllium (mg/L) | DGWC-9 | 0.005746 | 0.004909 | 0.004 | Yes 18 | 0.005328 | 0.0006918 | 0 | None | No | 0.01 | Param. |
| Cadmium (mg/L) | B-100 | 0.00059 | 0.00025 | 0.005 | No 8 | 0.00036 | 0.000145 | 12.5 | None | No | 0.004 | NP (normality) |
| Cadmium (mg/L) | B-101D | 0.0005 | 0.00011 | 0.005 | No 7 | 0.0004443 | 0.0001474 | 85.71 | None | No | 0.008 | NP (NDs) |
| Cadmium (mg/L) | B-102D | 0.000906 | 0.000724 | 0.005 | No 8 | 0.000815 | 0.00008586 | 0 | None | No | 0.01 | Param. |
| Cadmium (mg/L) | B-106D | 0.000251 | 0.0001375 | 0.005 | No 7 | 0.0003243 | 0.0001683 | 42.86 | Kaplan-Meier | x^(1/3) | 0.01 | Param. |
| Cadmium (mg/L) | B-120D | 0.00118 | 0.0009462 | 0.005 | No 6 | 0.001063 | 0.00008524 | 0 | None | No | 0.01 | Param. |
| Cadmium (mg/L) | B-56 | 0.000335 | 0.000245 | 0.005 | No 8 | 0.00029 | 0.00004243 | 0 | None | No | 0.01 | Param. |
| Cadmium (mg/L) | B-63 | 0.0005 | 0.00014 | 0.005 | No 8 | 0.0003563 | 0.0001593 | 50 | None | No | 0.004 | NP (normality) |
| Cadmium (mg/L) | B-66 | 0.0005 | 0.00018 | 0.005 | No 8 | 0.00046 | 0.0001131 | 87.5 | None | No | 0.004 | NP (NDs) |
| Cadmium (mg/L) | B-82 | 0.0007616 | 0.0004762 | 0.005 | No 9 | 0.0006189 | 0.0001478 | 0 | None | No | 0.01 | Param. |
| Cadmium (mg/L) | B-83 | 0.0003611 | 0.00027 | 0.005 | No 9 | 0.0003156 | 0.0000472 | 0 | None | No | 0.01 | Param. |
| Cadmium (mg/L) | B-88 | 0.004662 | 0.0006429 | 0.005 | No 8 | 0.002653 | 0.001896 | 0 | None | No | 0.01 | Param. |
| Cadmium (mg/L) | B-92 | 0.001638 | 0.0006262 | 0.005 | No 5 | 0.001132 | 0.0003019 | 0 | None | No | 0.01 | Param. |
| Cadmium (mg/L) | B-93 | 0.0009262 | 0.0007388 | 0.005 | No 8 | 0.0008325 | 0.00008844 | 0 | None | No | 0.01 | Param. |
| Cadmium (mg/L) | B-97 | 0.0006336 | 0.0005184 | 0.005 | No 5 | 0.000576 | 0.00003435 | 0 | None | No | 0.01 | Param. |
| Cadmium (mg/L) | B-98 | 0.000376 | 0.0001307 | 0.005 | No 5 | 0.000352 | 0.0001492 | 40 | Kaplan-Meier | No | 0.01 | Param. |
| Cadmium (mg/L) | DGWC-10 | 0.001101 | 0.0007304 | 0.005 | No 18 | 0.0009156 | 0.000306 | 0 | None | No | 0.01 | Param. |
| Cadmium (mg/L) | DGWC-11 | 0.0005 | 0.00015 | 0.005 | No 18 | 0.0003811 | 0.0001732 | 66.67 | None | No | 0.01 | NP (NDs) |
| Cadmium (mg/L) | DGWC-12 | 0.0003232 | 0.0002176 | 0.005 | No 20 | 0.000399 | 0.0001828 | 35 | Kaplan-Meier | sqrt(x) | 0.01 | Param. |
| Cadmium (mg/L) | DGWC-13 | 0.0005 | 0.0002 | 0.005 | No 18 | 0.00046 | 0.0001182 | 88.89 | None | No | 0.01 | NP (NDs) |
| Cadmium (mg/L) | DGWC-15 | 0.001 | 0.00013 | 0.005 | No 19 | 0.0004437 | 0.0002118 | 78.95 | None | No | 0.01 | NP (NDs) |
| Cadmium (mg/L) | DGWC-17 | 0.0003 | 0.00023 | 0.005 | No 19 | 0.0002874 | 0.00008465 | 10.53 | None | No | 0.01 | NP (normality) |
| Cadmium (mg/L) | DGWC-19 | 0.0004103 | 0.0003444 | 0.005 | No 19 | 0.0003774 | 0.00005626 | 10.53 | None | No | 0.01 | Param. |
| Cadmium (mg/L) | DGWC-2 | 0.0005 | 0.00014 | 0.005 | No 19 | 0.0003947 | 0.0002134 | 47.37 | None | No | 0.01 | NP (normality) |
| Cadmium (mg/L) | DGWC-20 | 0.002499 | 0.001828 | 0.005 | No 19 | 0.002163 | 0.0005727 | 0 | None | No | 0.01 | Param. |
| Cadmium (mg/L) | DGWC-21 | 0.0006025 | 0.000354 | 0.005 | No 19 | 0.0005784 | 0.0001936 | 15.79 | Kaplan-Meier | No | 0.01 | Param. |
| Cadmium (mg/L) | DGWC-22 | 0.0006227 | 0.000471 | 0.005 | No 19 | 0.0005468 | 0.0001295 | 10.53 | None | No | 0.01 | Param. |
| Cadmium (mg/L) | DGWC-23 | 0.0003 | 0.00018 | 0.005 | No 19 | 0.0002868 | 0.0002001 | 15.79 | None | No | 0.01 | NP (normality) |
| Cadmium (mg/L) | DGWC-4 | 0.000853 | 0.0006415 | 0.005 | No 18 | 0.0007472 | 0.0001748 | 11.11 | None | No | 0.01 | Param. |
| Cadmium (mg/L) | DGWC-42 | 0.0008851 | 0.0004782 | 0.005 | No 19 | 0.0007553 | 0.000504 | 10.53 | None | ln(x) | 0.01 | Param. |
| Cadmium (mg/L) | DGWC-47 | 0.00201 | 0.001236 | 0.005 | No 19 | 0.001623 | 0.0006609 | 0 | None | No | 0.01 | Param. |
| Cadmium (mg/L) | DGWC-48 | 0.0036 | 0.0026 | 0.005 | No 19 | 0.003337 | 0.001533 | 0 | None | No | 0.01 | NP (normality) |
| Cadmium (mg/L) | DGWC-5 | 0.0008886 | 0.0005114 | 0.005 | No 18 | 0.0007 | 0.0003116 | 11.11 | None | No | 0.01 | Param. |
| Cadmium (mg/L) | DGWC-8 | 0.002362 | 0.00169 | 0.005 | No 18 | 0.002026 | 0.0005554 | 0 | None | No | 0.01 | Param. |
| Cadmium (mg/L) | DGWC-9 | 0.0006234 | 0.0005177 | 0.005 | No 18 | 0.0005706 | 0.00008734 | 11.11 | None | No | 0.01 | Param. |
| Chromium (mg/L) | B-100 | 0.005 | 0.00057 | 0.1 | No 8 | 0.003939 | 0.001968 | 75 | None | No | 0.004 | NP (NDs) |
| Chromium (mg/L) | B-101D | 0.005 | 0.0014 | 0.1 | No 7 | 0.004486 | 0.001361 | 85.71 | None | No | 0.008 | NP (NDs) |
| Chromium (mg/L) | B-104D | 0.005 | 0.0011 | 0.1 | No 8 | 0.004512 | 0.001379 | 87.5 | None | No | 0.004 | NP (NDs) |
| Chromium (mg/L) | B-106D | 0.005 | 0.0013 | 0.1 | No 7 | 0.004471 | 0.001398 | 85.71 | None | No | 0.008 | NP (NDs) |
| Chromium (mg/L) | B-56 | 0.005 | 0.00059 | 0.1 | No 8 | 0.003549 | 0.002018 | 62.5 | None | No | 0.004 | NP (NDs) |
| Chromium (mg/L) | B-62 | 0.005 | 0.005 | 0.1 | No 11 | 0.004635 | 0.001212 | 90.91 | None | No | 0.006 | NP (NDs) |
| Chromium (mg/L) | B-63 | 0.005 | 0.00064 | 0.1 | No 8 | 0.003992 | 0.001874 | 75 | None | No | 0.004 | NP (NDs) |
| Chromium (mg/L) | B-77 | 0.005 | 0.0007 | 0.1 | No 10 | 0.003446 | 0.002043 | 60 | None | No | 0.011 | NP (NDs) |
| Chromium (mg/L) | B-82 | 0.005 | 0.0011 | 0.1 | No 9 | 0.004156 | 0.001676 | 77.78 | None | No | 0.002 | NP (NDs) |
| Chromium (mg/L) | B-83 | 0.004633 | 0.002056 | 0.1 | No 9 | 0.003344 | 0.001334 | 0 | None | No | 0.01 | Param. |
| Chromium (mg/L) | B-88 | 0.005 | 0.00085 | 0.1 | No 8 | 0.003619 | 0.00192 | 62.5 | None | No | 0.004 | NP (NDs) |
| Chromium (mg/L) | B-93 | 0.005 | 0.00057 | 0.1 | No 8 | 0.003416 | 0.002191 | 62.5 | None | No | 0.004 | NP (NDs) |

Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 1/16/2024, 2:23 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Compliance | Sig. N | Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|----------------------|----------------|----------------|----------------|--------------|---------------|----------------|-----------------|----------|-------------|--------------|-------------|-----------------------|
| Chromium (mg/L) | B-98 | 0.005 | 0.0013 | 0.1 | No 5 | 0.00354 | 0.001999 | 60 | None | No | 0.031 | NP (NDs) |
| Chromium (mg/L) | DGWC-10 | 0.005 | 0.0008 | 0.1 | No 18 | 0.002306 | 0.001973 | 33.33 | None | No | 0.01 | NP (normality) |
| Chromium (mg/L) | DGWC-11 | 0.005 | 0.00061 | 0.1 | No 18 | 0.004022 | 0.001883 | 77.78 | None | No | 0.01 | NP (NDs) |
| Chromium (mg/L) | DGWC-12 | 0.005 | 0.00099 | 0.1 | No 20 | 0.004596 | 0.001242 | 90 | None | No | 0.01 | NP (NDs) |
| Chromium (mg/L) | DGWC-13 | 0.005 | 0.0009 | 0.1 | No 18 | 0.004049 | 0.001831 | 77.78 | None | No | 0.01 | NP (NDs) |
| Chromium (mg/L) | DGWC-15 | 0.01 | 0.0048 | 0.1 | No 19 | 0.004544 | 0.002128 | 78.95 | None | No | 0.01 | NP (NDs) |
| Chromium (mg/L) | DGWC-17 | 0.0033 | 0.0025 | 0.1 | No 19 | 0.002958 | 0.0007897 | 10.53 | None | No | 0.01 | NP (normality) |
| Chromium (mg/L) | DGWC-19 | 0.0031 | 0.0023 | 0.1 | No 19 | 0.003732 | 0.002804 | 15.79 | None | No | 0.01 | NP (normality) |
| Chromium (mg/L) | DGWC-2 | 0.005 | 0.00064 | 0.1 | No 19 | 0.003588 | 0.002136 | 68.42 | None | No | 0.01 | NP (NDs) |
| Chromium (mg/L) | DGWC-20 | 0.005 | 0.0016 | 0.1 | No 19 | 0.003179 | 0.00219 | 31.58 | None | No | 0.01 | NP (normality) |
| Chromium (mg/L) | DGWC-21 | 0.005 | 0.0006 | 0.1 | No 19 | 0.003682 | 0.002019 | 68.42 | None | No | 0.01 | NP (NDs) |
| Chromium (mg/L) | DGWC-22 | 0.005 | 0.0012 | 0.1 | No 19 | 0.0048 | 0.0008718 | 94.74 | None | No | 0.01 | NP (NDs) |
| Chromium (mg/L) | DGWC-23 | 0.005 | 0.0007 | 0.1 | No 19 | 0.002779 | 0.002176 | 47.37 | None | No | 0.01 | NP (normality) |
| Chromium (mg/L) | DGWC-4 | 0.005 | 0.0005 | 0.1 | No 18 | 0.00475 | 0.001061 | 94.44 | None | No | 0.01 | NP (NDs) |
| Chromium (mg/L) | DGWC-42 | 0.005 | 0.0008 | 0.1 | No 19 | 0.003486 | 0.002065 | 63.16 | None | No | 0.01 | NP (NDs) |
| Chromium (mg/L) | DGWC-47 | 0.005 | 0.0007 | 0.1 | No 19 | 0.004774 | 0.0009865 | 94.74 | None | No | 0.01 | NP (NDs) |
| Chromium (mg/L) | DGWC-48 | 0.005 | 0.0007 | 0.1 | No 19 | 0.004532 | 0.001404 | 89.47 | None | No | 0.01 | NP (NDs) |
| Chromium (mg/L) | DGWC-5 | 0.005 | 0.00045 | 0.1 | No 18 | 0.004747 | 0.001072 | 94.44 | None | No | 0.01 | NP (NDs) |
| Chromium (mg/L) | DGWC-8 | 0.005 | 0.0013 | 0.1 | No 18 | 0.003748 | 0.001881 | 66.67 | None | No | 0.01 | NP (NDs) |
| Chromium (mg/L) | DGWC-9 | 0.005 | 0.00061 | 0.1 | No 18 | 0.003505 | 0.002082 | 55.56 | None | No | 0.01 | NP (NDs) |
| Cobalt (mg/L) | B-100 | 0.07002 | 0.01754 | 0.032 | No 10 | 0.04435 | 0.02859 | 10 | None | sqrt(x) | 0.01 | Param. |
| Cobalt (mg/L) | B-101D | 0.003522 | 0.002307 | 0.032 | No 7 | 0.002914 | 0.0005113 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | B-102D | 0.01471 | 0.01104 | 0.032 | No 8 | 0.01288 | 0.001727 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | B-104D | 0.1915 | 0.1177 | 0.032 | Yes 8 | 0.155 | 0.03742 | 0 | None | x^2 | 0.01 | Param. |
| Cobalt (mg/L) | B-106D | 0.005 | 0.00056 | 0.032 | No 7 | 0.003161 | 0.002295 | 57.14 | None | No | 0.008 | NP (NDs) |
| Cobalt (mg/L) | B-107D | 0.001426 | 0.0005509 | 0.032 | No 7 | 0.0009886 | 0.0003684 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | B-108D | 0.0048 | 0.00045 | 0.032 | No 7 | 0.001609 | 0.001488 | 0 | None | No | 0.008 | NP (selected) |
| Cobalt (mg/L) | B-111D | 0.005 | 0.0004 | 0.032 | No 8 | 0.002224 | 0.002302 | 37.5 | None | No | 0.004 | NP (normality) |
| Cobalt (mg/L) | B-120D | 0.017 | 0.0022 | 0.032 | No 6 | 0.005733 | 0.005668 | 0 | None | No | 0.0155 | NP (selected) |
| Cobalt (mg/L) | B-56 | 0.05661 | 0.04339 | 0.032 | Yes 8 | 0.05 | 0.006234 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | B-62 | 0.005 | 0.00031 | 0.032 | No 12 | 0.004217 | 0.001828 | 83.33 | None | No | 0.01 | NP (NDs) |
| Cobalt (mg/L) | B-63 | 0.04999 | 0.03545 | 0.032 | Yes 9 | 0.04272 | 0.00753 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | B-66 | 0.01571 | 0.006605 | 0.032 | No 9 | 0.01116 | 0.004714 | 11.11 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | B-77 | 0.005 | 0.0011 | 0.032 | No 10 | 0.00334 | 0.001877 | 50 | None | No | 0.011 | NP (normality) |
| Cobalt (mg/L) | B-82 | 0.005192 | 0.0018 | 0.032 | No 10 | 0.003525 | 0.002207 | 0 | None | sqrt(x) | 0.01 | Param. |
| Cobalt (mg/L) | B-83 | 0.01713 | 0.00891 | 0.032 | No 9 | 0.01302 | 0.004259 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | B-88 | 0.022 | 0.00135 | 0.032 | No 9 | 0.006317 | 0.007864 | 0 | None | No | 0.002 | NP (normality) |
| Cobalt (mg/L) | B-92 | 0.09426 | 0.03414 | 0.032 | Yes 5 | 0.0642 | 0.01794 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | B-93 | 0.06738 | 0.05571 | 0.032 | Yes 9 | 0.06111 | 0.008253 | 0 | None | x^4 | 0.01 | Param. |
| Cobalt (mg/L) | B-97 | 0.0033 | 0.0029 | 0.032 | No 5 | 0.00302 | 0.0001643 | 0 | None | No | 0.031 | NP (normality) |
| Cobalt (mg/L) | B-98 | 0.005 | 0.00063 | 0.032 | No 7 | 0.004347 | 0.001641 | 71.43 | None | No | 0.008 | NP (NDs) |
| Cobalt (mg/L) | DGWC-10 | 0.193 | 0.086 | 0.032 | Yes 18 | 0.1403 | 0.05094 | 0 | None | No | 0.01 | NP (normality) |
| Cobalt (mg/L) | DGWC-11 | 0.01 | 0.00065 | 0.032 | No 18 | 0.003924 | 0.004428 | 33.33 | None | No | 0.01 | NP (normality) |
| Cobalt (mg/L) | DGWC-12 | 0.01387 | 0.004433 | 0.032 | No 20 | 0.01042 | 0.00976 | 10 | None | sqrt(x) | 0.01 | Param. |
| Cobalt (mg/L) | DGWC-13 | 0.005 | 0.0005 | 0.032 | No 18 | 0.004238 | 0.001754 | 83.33 | None | No | 0.01 | NP (NDs) |
| Cobalt (mg/L) | DGWC-15 | 0.0028 | 0.0016 | 0.032 | No 19 | 0.003363 | 0.005323 | 5.263 | None | No | 0.01 | NP (normality) |
| Cobalt (mg/L) | DGWC-17 | 0.02561 | 0.01848 | 0.032 | No 19 | 0.02205 | 0.006093 | 5.263 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | DGWC-19 | 0.0533 | 0.04998 | 0.032 | Yes 19 | 0.05164 | 0.002838 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | DGWC-2 | 0.01871 | 0.006293 | 0.032 | No 19 | 0.01451 | 0.0119 | 0 | None | x^(1/3) | 0.01 | Param. |
| Cobalt (mg/L) | DGWC-20 | 0.7547 | 0.506 | 0.032 | Yes 19 | 0.6559 | 0.2549 | 0 | None | ln(x) | 0.01 | Param. |
| Cobalt (mg/L) | DGWC-21 | 0.009608 | 0.008469 | 0.032 | No 19 | 0.008737 | 0.001529 | 10.53 | None | x^5 | 0.01 | Param. |
| Cobalt (mg/L) | DGWC-22 | 0.009524 | 0.007423 | 0.032 | No 19 | 0.008474 | 0.001794 | 10.53 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | DGWC-23 | 0.005 | 0.00043 | 0.032 | No 19 | 0.002892 | 0.002826 | 47.37 | None | No | 0.01 | NP (normality) |
| Cobalt (mg/L) | DGWC-4 | 0.002 | 0.0017 | 0.032 | No 18 | 0.002117 | 0.001065 | 11.11 | None | No | 0.01 | NP (normality) |
| Cobalt (mg/L) | DGWC-42 | 0.03424 | 0.01286 | 0.032 | No 19 | 0.02581 | 0.02042 | 0 | None | sqrt(x) | 0.01 | Param. |
| Cobalt (mg/L) | DGWC-47 | 0.3539 | 0.2388 | 0.032 | Yes 19 | 0.2964 | 0.09827 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | DGWC-48 | 0.4783 | 0.3733 | 0.032 | Yes 19 | 0.4258 | 0.08964 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | DGWC-5 | 0.0351 | 0.02 | 0.032 | No 18 | 0.02668 | 0.01021 | 0 | None | No | 0.01 | NP (normality) |
| Cobalt (mg/L) | DGWC-8 | 0.07529 | 0.03046 | 0.032 | No 18 | 0.05288 | 0.03705 | 0 | None | No | 0.01 | Param. |
| Cobalt (mg/L) | DGWC-9 | 0.2082 | 0.1546 | 0.032 | Yes 18 | 0.1814 | 0.04426 | 0 | None | No | 0.01 | Param. |

Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 1/16/2024, 2:23 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Compliance | Sig. N | Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|--|---------------|--------------|--------------|------------|--------------|--------------|--------------|----------|--------------|-----------|-------------|----------------|
| Combined Radium 226 + 228 (pCi/L) | B-100 | 1.134 | 0.3305 | 5 | No 8 | 0.7325 | 0.3792 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | B-101D | 2.211 | 0.8531 | 5 | No 7 | 1.532 | 0.5718 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | B-102D | 1.74 | 0.61 | 5 | No 8 | 0.9435 | 0.4151 | 0 | None | No | 0.004 | NP (normality) |
| Combined Radium 226 + 228 (pCi/L) | B-104D | 16.21 | 10.3 | 5 | Yes 8 | 13.25 | 2.789 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | B-106D | 0.8362 | 0.4835 | 5 | No 7 | 0.6599 | 0.1484 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | B-107D | 1.766 | 0.43 | 5 | No 7 | 1.098 | 0.5624 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | B-108D | 1.7 | 0.7324 | 5 | No 7 | 1.216 | 0.4074 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | B-111D | 10.51 | 5.024 | 5 | Yes 8 | 7.765 | 2.586 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | B-120D | 3.68 | 1.21 | 5 | No 6 | 2.162 | 0.8412 | 0 | None | No | 0.0155 | NP (selected) |
| Combined Radium 226 + 228 (pCi/L) | B-56 | 1.203 | 0.7613 | 5 | No 8 | 0.982 | 0.2082 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | B-62 | 1.992 | 1.426 | 5 | No 10 | 1.709 | 0.3175 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | B-63 | 1.919 | 0.811 | 5 | No 7 | 1.365 | 0.4663 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | B-66 | 1.07 | 0 | 5 | No 7 | 0.6854 | 0.3655 | 0 | None | No | 0.008 | NP (selected) |
| Combined Radium 226 + 228 (pCi/L) | B-77 | 1.854 | 0.7112 | 5 | No 9 | 1.279 | 0.6205 | 0 | None | sqrt(x) | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | B-82 | 0.9082 | 0.362 | 5 | No 8 | 0.6351 | 0.2576 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | B-83 | 0.958 | 0.1907 | 5 | No 9 | 0.5743 | 0.3973 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | B-88 | 2.34 | 0.751 | 5 | No 8 | 1.546 | 0.7498 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | B-92 | 2.48 | 0.8997 | 5 | No 5 | 1.69 | 0.4716 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | B-93 | 1.67 | 0.8134 | 5 | No 8 | 1.242 | 0.4041 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | B-97 | 2.123 | 0.7089 | 5 | No 5 | 1.416 | 0.422 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | B-98 | 2.2 | 0.52 | 5 | No 5 | 1.369 | 0.7274 | 0 | None | No | 0.031 | NP (selected) |
| Combined Radium 226 + 228 (pCi/L) | DGWC-10 | 1.435 | 1.09 | 5 | No 19 | 1.262 | 0.2943 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | DGWC-11 | 1.207 | 0.7176 | 5 | No 19 | 0.9624 | 0.4181 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | DGWC-12 | 1.155 | 0.4803 | 5 | No 19 | 0.8819 | 0.638 | 0 | None | sqrt(x) | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | DGWC-13 | 1.375 | 0.9148 | 5 | No 19 | 1.145 | 0.3933 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | DGWC-14 | 1.015 | 0.6444 | 5 | No 19 | 0.8299 | 0.3168 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | DGWC-15 | 1.35 | 0.5899 | 5 | No 19 | 1.038 | 0.7914 | 0 | None | sqrt(x) | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | DGWC-17 | 0.9891 | 0.6087 | 5 | No 19 | 0.7989 | 0.3249 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | DGWC-19 | 0.9779 | 0.5263 | 5 | No 19 | 0.7521 | 0.3855 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | DGWC-2 | 1.307 | 0.8037 | 5 | No 19 | 1.056 | 0.43 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | DGWC-20 | 1.528 | 0.9693 | 5 | No 19 | 1.248 | 0.4766 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | DGWC-21 | 1.012 | 0.5623 | 5 | No 19 | 0.7871 | 0.3838 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | DGWC-22 | 1.245 | 0.7119 | 5 | No 19 | 0.9786 | 0.4556 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | DGWC-23 | 1.416 | 0.8462 | 5 | No 19 | 1.131 | 0.4867 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | DGWC-4 | 1.634 | 1.185 | 5 | No 19 | 1.41 | 0.3835 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | DGWC-42 | 1.142 | 0.6804 | 5 | No 19 | 0.9112 | 0.3942 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | DGWC-47 | 2.685 | 1.726 | 5 | No 19 | 2.206 | 0.8183 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | DGWC-48 | 2.252 | 1.449 | 5 | No 19 | 1.85 | 0.6857 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | DGWC-5 | 1.675 | 1.002 | 5 | No 19 | 1.339 | 0.5749 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | DGWC-8 | 0.8071 | 0.511 | 5 | No 19 | 0.6591 | 0.2529 | 0 | None | No | 0.01 | Param. |
| Combined Radium 226 + 228 (pCi/L) | DGWC-9 | 1.38 | 0.9599 | 5 | No 18 | 1.17 | 0.3469 | 0 | None | No | 0.01 | Param. |
| Fluoride (mg/L) | B-100 | 0.1 | 0.052 | 4 | No 8 | 0.0905 | 0.01838 | 75 | None | No | 0.004 | NP (NDs) |
| Fluoride (mg/L) | B-101D | 0.11 | 0.051 | 4 | No 7 | 0.08071 | 0.02712 | 28.57 | None | No | 0.008 | NP (selected) |
| Fluoride (mg/L) | B-102D | 0.107 | 0.07101 | 4 | No 8 | 0.089 | 0.01697 | 0 | None | No | 0.01 | Param. |
| Fluoride (mg/L) | B-104D | 0.4391 | 0.2884 | 4 | No 8 | 0.3638 | 0.0711 | 0 | None | No | 0.01 | Param. |
| Fluoride (mg/L) | B-106D | 0.07371 | 0.04715 | 4 | No 7 | 0.06043 | 0.01118 | 14.29 | None | No | 0.01 | Param. |
| Fluoride (mg/L) | B-107D | 0.1 | 0.053 | 4 | No 7 | 0.09329 | 0.01776 | 85.71 | None | No | 0.008 | NP (NDs) |
| Fluoride (mg/L) | B-108D | 0.1 | 0.061 | 4 | No 7 | 0.09443 | 0.01474 | 85.71 | None | No | 0.008 | NP (NDs) |
| Fluoride (mg/L) | B-111D | 0.57 | 0.32 | 4 | No 8 | 0.4013 | 0.08967 | 0 | None | No | 0.004 | NP (normality) |
| Fluoride (mg/L) | B-120D | 0.1 | 0.052 | 4 | No 6 | 0.08483 | 0.02355 | 66.67 | None | No | 0.0155 | NP (NDs) |
| Fluoride (mg/L) | B-56 | 0.2819 | 0.1401 | 4 | No 8 | 0.211 | 0.06691 | 0 | None | No | 0.01 | Param. |
| Fluoride (mg/L) | B-62 | 0.23 | 0.099 | 4 | No 10 | 0.1632 | 0.1017 | 0 | None | No | 0.011 | NP (normality) |
| Fluoride (mg/L) | B-63 | 0.45 | 0.12 | 4 | No 7 | 0.1886 | 0.1187 | 0 | None | No | 0.008 | NP (normality) |
| Fluoride (mg/L) | B-66 | 0.3829 | 0.08636 | 4 | No 7 | 0.2243 | 0.1426 | 0 | None | sqrt(x) | 0.01 | Param. |
| Fluoride (mg/L) | B-77 | 0.1 | 0.069 | 4 | No 9 | 0.088 | 0.01381 | 44.44 | None | No | 0.002 | NP (normality) |
| Fluoride (mg/L) | B-82 | 0.1346 | 0.05246 | 4 | No 8 | 0.1034 | 0.04301 | 37.5 | Kaplan-Meier | sqrt(x) | 0.01 | Param. |
| Fluoride (mg/L) | B-83 | 0.1074 | 0.05862 | 4 | No 9 | 0.08944 | 0.0258 | 22.22 | Kaplan-Meier | No | 0.01 | Param. |
| Fluoride (mg/L) | B-88 | 0.1 | 0.054 | 4 | No 8 | 0.09425 | 0.01626 | 87.5 | Kaplan-Meier | No | 0.004 | NP (NDs) |
| Fluoride (mg/L) | B-92 | 0.316 | 0.156 | 4 | No 5 | 0.236 | 0.04775 | 0 | None | No | 0.01 | Param. |
| Fluoride (mg/L) | B-93 | 0.4032 | 0.2893 | 4 | No 8 | 0.3463 | 0.0537 | 0 | None | No | 0.01 | Param. |

Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 1/16/2024, 2:23 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Compliance | Sig. N | Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|-----------------|---------|------------|------------|------------|--------|-----------|-----------|-------|--------------|-----------|--------|----------------|
| Fluoride (mg/L) | B-97 | 0.1437 | 0.06902 | 4 | No 5 | 0.1016 | 0.02388 | 0 | None | ln(x) | 0.01 | Param. |
| Fluoride (mg/L) | B-98 | 0.2125 | 0.06674 | 4 | No 5 | 0.1396 | 0.04348 | 0 | None | No | 0.01 | Param. |
| Fluoride (mg/L) | DGWC-10 | 1.769 | 1.302 | 4 | No 20 | 1.536 | 0.4118 | 0 | None | No | 0.01 | Param. |
| Fluoride (mg/L) | DGWC-11 | 0.1 | 0.06 | 4 | No 19 | 0.08263 | 0.02457 | 63.16 | None | No | 0.01 | NP (NDs) |
| Fluoride (mg/L) | DGWC-12 | 0.1449 | 0.06163 | 4 | No 20 | 0.1471 | 0.1312 | 30 | Kaplan-Meier | ln(x) | 0.01 | Param. |
| Fluoride (mg/L) | DGWC-13 | 0.1547 | 0.07987 | 4 | No 19 | 0.132 | 0.09503 | 5.263 | None | ln(x) | 0.01 | Param. |
| Fluoride (mg/L) | DGWC-14 | 0.1 | 0.06 | 4 | No 20 | 0.085 | 0.02507 | 65 | None | No | 0.01 | NP (NDs) |
| Fluoride (mg/L) | DGWC-15 | 0.11 | 0.079 | 4 | No 20 | 0.1008 | 0.04067 | 60 | None | No | 0.01 | NP (NDs) |
| Fluoride (mg/L) | DGWC-17 | 0.2118 | 0.0951 | 4 | No 20 | 0.183 | 0.1445 | 15 | None | ln(x) | 0.01 | Param. |
| Fluoride (mg/L) | DGWC-19 | 0.4074 | 0.1668 | 4 | No 20 | 0.326 | 0.2917 | 5 | None | x^(1/3) | 0.01 | Param. |
| Fluoride (mg/L) | DGWC-2 | 0.28 | 0.06 | 4 | No 20 | 0.1309 | 0.1432 | 35 | None | No | 0.01 | NP (normality) |
| Fluoride (mg/L) | DGWC-20 | 1.019 | 0.5046 | 4 | No 20 | 0.762 | 0.4533 | 5 | None | No | 0.01 | Param. |
| Fluoride (mg/L) | DGWC-21 | 0.14 | 0.07 | 4 | No 20 | 0.1006 | 0.06128 | 55 | None | No | 0.01 | NP (NDs) |
| Fluoride (mg/L) | DGWC-22 | 0.1021 | 0.054 | 4 | No 20 | 0.1088 | 0.06196 | 45 | Kaplan-Meier | ln(x) | 0.01 | Param. |
| Fluoride (mg/L) | DGWC-23 | 0.1789 | 0.08621 | 4 | No 20 | 0.1575 | 0.1414 | 10 | None | ln(x) | 0.01 | Param. |
| Fluoride (mg/L) | DGWC-4 | 0.17 | 0.096 | 4 | No 20 | 0.127 | 0.1591 | 65 | None | No | 0.01 | NP (NDs) |
| Fluoride (mg/L) | DGWC-42 | 0.1 | 0.06 | 4 | No 20 | 0.094 | 0.01957 | 90 | None | No | 0.01 | NP (NDs) |
| Fluoride (mg/L) | DGWC-47 | 1.024 | 0.5131 | 4 | No 20 | 0.7685 | 0.4497 | 0 | None | No | 0.01 | Param. |
| Fluoride (mg/L) | DGWC-48 | 1.013 | 0.5653 | 4 | No 20 | 0.821 | 0.4283 | 0 | None | sqrt(x) | 0.01 | Param. |
| Fluoride (mg/L) | DGWC-5 | 1 | 0.15 | 4 | No 19 | 0.4826 | 0.4359 | 5.263 | None | No | 0.01 | NP (normality) |
| Fluoride (mg/L) | DGWC-8 | 0.2558 | 0.0913 | 4 | No 19 | 0.2474 | 0.2208 | 15.79 | Kaplan-Meier | ln(x) | 0.01 | Param. |
| Fluoride (mg/L) | DGWC-9 | 1.33 | 0.9596 | 4 | No 19 | 1.145 | 0.3161 | 0 | None | No | 0.01 | Param. |
| Lead (mg/L) | B-100 | 0.001 | 0.000088 | 0.015 | No 8 | 0.0006848 | 0.0004364 | 62.5 | None | No | 0.004 | NP (NDs) |
| Lead (mg/L) | B-101D | 0.001 | 0.000065 | 0.015 | No 7 | 0.0008664 | 0.0003534 | 85.71 | None | No | 0.008 | NP (NDs) |
| Lead (mg/L) | B-102D | 0.001 | 0.000037 | 0.015 | No 8 | 0.0006433 | 0.0004924 | 62.5 | None | No | 0.004 | NP (NDs) |
| Lead (mg/L) | B-104D | 0.001 | 0.000051 | 0.015 | No 8 | 0.0008814 | 0.0003355 | 87.5 | None | No | 0.004 | NP (NDs) |
| Lead (mg/L) | B-107D | 0.001 | 0.000044 | 0.015 | No 7 | 0.0008634 | 0.0003613 | 85.71 | None | No | 0.008 | NP (NDs) |
| Lead (mg/L) | B-108D | 0.0025 | 0.001 | 0.015 | No 7 | 0.001214 | 0.0005669 | 85.71 | None | No | 0.008 | NP (NDs) |
| Lead (mg/L) | B-111D | 0.001 | 0.000051 | 0.015 | No 8 | 0.0007636 | 0.0004377 | 75 | None | No | 0.004 | NP (NDs) |
| Lead (mg/L) | B-120D | 0.001 | 0.00019 | 0.015 | No 6 | 0.000865 | 0.0003307 | 83.33 | None | No | 0.0155 | NP (NDs) |
| Lead (mg/L) | B-56 | 0.001 | 0.000091 | 0.015 | No 8 | 0.0006764 | 0.0004483 | 62.5 | None | No | 0.004 | NP (NDs) |
| Lead (mg/L) | B-63 | 0.001 | 0.000047 | 0.015 | No 8 | 0.000765 | 0.0004352 | 75 | None | No | 0.004 | NP (NDs) |
| Lead (mg/L) | B-77 | 0.001 | 0.00029 | 0.015 | No 10 | 0.000842 | 0.0004347 | 60 | None | No | 0.011 | NP (NDs) |
| Lead (mg/L) | B-82 | 0.001 | 0.000059 | 0.015 | No 9 | 0.0007032 | 0.0004459 | 66.67 | None | No | 0.002 | NP (NDs) |
| Lead (mg/L) | B-83 | 0.001 | 0.000065 | 0.015 | No 9 | 0.0006972 | 0.0004357 | 55.56 | None | No | 0.002 | NP (NDs) |
| Lead (mg/L) | B-88 | 0.012 | 0.00035 | 0.015 | No 8 | 0.002408 | 0.003911 | 37.5 | None | No | 0.004 | NP (normality) |
| Lead (mg/L) | B-93 | 0.001 | 0.00012 | 0.015 | No 8 | 0.00078 | 0.0004074 | 75 | None | No | 0.004 | NP (NDs) |
| Lead (mg/L) | DGWC-10 | 0.01 | 0.00013 | 0.015 | No 18 | 0.00671 | 0.004788 | 66.67 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | DGWC-11 | 0.001 | 0.00012 | 0.015 | No 18 | 0.0007499 | 0.0004153 | 72.22 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | DGWC-12 | 0.001 | 0.00011 | 0.015 | No 20 | 0.0009105 | 0.0002755 | 90 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | DGWC-13 | 0.001 | 0.0002 | 0.015 | No 18 | 0.0009054 | 0.0002758 | 88.89 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | DGWC-14 | 0.001 | 0.000096 | 0.015 | No 19 | 0.0008538 | 0.0003469 | 84.21 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | DGWC-15 | 0.0012 | 0.0002 | 0.015 | No 19 | 0.0007758 | 0.0004132 | 68.42 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | DGWC-17 | 0.001 | 0.0001 | 0.015 | No 19 | 0.0006733 | 0.00044 | 63.16 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | DGWC-19 | 0.001 | 0.00016 | 0.015 | No 19 | 0.0007678 | 0.0004016 | 73.68 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | DGWC-2 | 0.001 | 0.00009 | 0.015 | No 19 | 0.0006176 | 0.000461 | 57.89 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | DGWC-20 | 0.1 | 0.00044 | 0.015 | No 19 | 0.06852 | 0.0476 | 68.42 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | DGWC-21 | 0.001 | 0.00015 | 0.015 | No 19 | 0.0006982 | 0.0004113 | 63.16 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | DGWC-23 | 0.001 | 0.000066 | 0.015 | No 19 | 0.0009508 | 0.0002143 | 94.74 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | DGWC-4 | 0.001 | 0.0002 | 0.015 | No 18 | 0.0008038 | 0.0003786 | 77.78 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | DGWC-42 | 0.0004115 | 0.0001765 | 0.015 | No 19 | 0.0008105 | 0.001096 | 31.58 | Kaplan-Meier | ln(x) | 0.01 | Param. |
| Lead (mg/L) | DGWC-47 | 0.001 | 0.00053 | 0.015 | No 19 | 0.001024 | 0.0009939 | 36.84 | None | No | 0.01 | NP (normality) |
| Lead (mg/L) | DGWC-48 | 0.002 | 0.00093 | 0.015 | No 19 | 0.001516 | 0.001073 | 15.79 | None | No | 0.01 | NP (normality) |
| Lead (mg/L) | DGWC-5 | 0.001 | 0.000063 | 0.015 | No 18 | 0.0006877 | 0.0006171 | 50 | None | No | 0.01 | NP (normality) |
| Lead (mg/L) | DGWC-8 | 0.001 | 0.00023 | 0.015 | No 18 | 0.0007101 | 0.000395 | 61.11 | None | No | 0.01 | NP (NDs) |
| Lead (mg/L) | DGWC-9 | 0.005 | 0.00028 | 0.015 | No 18 | 0.0042 | 0.001841 | 83.33 | None | No | 0.01 | NP (NDs) |
| Lithium (mg/L) | B-100 | 0.015 | 0.0013 | 0.04 | No 8 | 0.003787 | 0.004548 | 12.5 | None | No | 0.004 | NP (normality) |
| Lithium (mg/L) | B-101D | 0.01476 | 0.008613 | 0.04 | No 7 | 0.01169 | 0.002587 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | B-102D | 0.01432 | 0.01046 | 0.04 | No 8 | 0.01239 | 0.001821 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | B-104D | 0.03987 | 0.03638 | 0.04 | No 8 | 0.03813 | 0.001642 | 0 | None | No | 0.01 | Param. |

Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 1/16/2024, 2:23 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Compliance | Sig. N | Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|-----------------------|----------------|----------------|----------------|-------------|---------------|----------------|----------------|----------|--------------|-----------|-------------|----------------|
| Lithium (mg/L) | B-106D | 0.005696 | 0.004732 | 0.04 | No 7 | 0.005214 | 0.0004059 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | B-107D | 0.01637 | 0.01278 | 0.04 | No 7 | 0.01457 | 0.001512 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | B-108D | 0.016 | 0.014 | 0.04 | No 7 | 0.01471 | 0.0009512 | 0 | None | No | 0.008 | NP (normality) |
| Lithium (mg/L) | B-111D | 0.02727 | 0.01823 | 0.04 | No 8 | 0.02275 | 0.004268 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | B-120D | 0.0928 | 0.0512 | 0.04 | Yes 6 | 0.072 | 0.01514 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | B-125D | 0.1115 | 0 | 0.04 | No 4 | 0.05425 | 0.0252 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | B-56 | 0.005852 | 0.005123 | 0.04 | No 8 | 0.005488 | 0.0003441 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | B-62 | 0.0094 | 0.0078 | 0.04 | No 11 | 0.01008 | 0.004977 | 9.091 | None | No | 0.006 | NP (normality) |
| Lithium (mg/L) | B-63 | 0.025 | 0.0045 | 0.04 | No 9 | 0.008378 | 0.006279 | 11.11 | None | No | 0.002 | NP (normality) |
| Lithium (mg/L) | B-66 | 0.03 | 0.00073 | 0.04 | No 8 | 0.02634 | 0.01035 | 87.5 | None | No | 0.004 | NP (NDs) |
| Lithium (mg/L) | B-77 | 0.03 | 0.0011 | 0.04 | No 10 | 0.01342 | 0.01431 | 40 | None | No | 0.011 | NP (normality) |
| Lithium (mg/L) | B-82 | 0.015 | 0.00073 | 0.04 | No 9 | 0.003159 | 0.004606 | 11.11 | None | No | 0.002 | NP (normality) |
| Lithium (mg/L) | B-83 | 0.003276 | 0.001903 | 0.04 | No 9 | 0.002589 | 0.0008007 | 0 | None | x^(1/3) | 0.01 | Param. |
| Lithium (mg/L) | B-88 | 0.01268 | 0.001639 | 0.04 | No 8 | 0.007263 | 0.009062 | 0 | None | ln(x) | 0.01 | Param. |
| Lithium (mg/L) | B-92 | 0.01705 | 0.009152 | 0.04 | No 5 | 0.0131 | 0.002356 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | B-93 | 0.013 | 0.011 | 0.04 | No 8 | 0.01188 | 0.000991 | 0 | None | No | 0.004 | NP (normality) |
| Lithium (mg/L) | B-97 | 0.0053 | 0.00406 | 0.04 | No 5 | 0.00468 | 0.0003701 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | B-98 | 0.001371 | 0.0008133 | 0.04 | No 5 | 0.001092 | 0.0001663 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | DGWC-10 | 0.0053 | 0.0022 | 0.04 | No 18 | 0.0064 | 0.006885 | 11.11 | None | No | 0.01 | NP (normality) |
| Lithium (mg/L) | DGWC-11 | 0.0027 | 0.0019 | 0.04 | No 18 | 0.003478 | 0.005382 | 5.556 | None | No | 0.01 | NP (normality) |
| Lithium (mg/L) | DGWC-12 | 0.03 | 0.0011 | 0.04 | No 20 | 0.0213 | 0.01363 | 70 | None | No | 0.01 | NP (NDs) |
| Lithium (mg/L) | DGWC-13 | 0.0037 | 0.0029 | 0.04 | No 18 | 0.005678 | 0.007037 | 11.11 | None | No | 0.01 | NP (normality) |
| Lithium (mg/L) | DGWC-14 | 0.0044 | 0.0034 | 0.04 | No 19 | 0.005868 | 0.005726 | 5.263 | None | No | 0.01 | NP (normality) |
| Lithium (mg/L) | DGWC-15 | 0.0064 | 0.0051 | 0.04 | No 18 | 0.006022 | 0.0008708 | 0 | None | No | 0.01 | NP (normality) |
| Lithium (mg/L) | DGWC-17 | 0.03 | 0.0011 | 0.04 | No 19 | 0.02087 | 0.01381 | 68.42 | None | No | 0.01 | NP (NDs) |
| Lithium (mg/L) | DGWC-19 | 0.0034 | 0.003 | 0.04 | No 19 | 0.004274 | 0.005028 | 5.263 | None | No | 0.01 | NP (normality) |
| Lithium (mg/L) | DGWC-2 | 0.0807 | 0.022 | 0.04 | No 19 | 0.04342 | 0.02901 | 5.263 | None | No | 0.01 | NP (normality) |
| Lithium (mg/L) | DGWC-20 | 0.012 | 0.0021 | 0.04 | No 19 | 0.007984 | 0.006547 | 5.263 | None | No | 0.01 | NP (normality) |
| Lithium (mg/L) | DGWC-21 | 0.0063 | 0.0056 | 0.04 | No 19 | 0.006958 | 0.004388 | 5.263 | None | No | 0.01 | NP (normality) |
| Lithium (mg/L) | DGWC-22 | 0.0044 | 0.0034 | 0.04 | No 19 | 0.005032 | 0.004861 | 5.263 | None | No | 0.01 | NP (normality) |
| Lithium (mg/L) | DGWC-23 | 0.014 | 0.0036 | 0.04 | No 19 | 0.01045 | 0.01685 | 5.263 | None | No | 0.01 | NP (normality) |
| Lithium (mg/L) | DGWC-4 | 0.0037 | 0.0026 | 0.04 | No 18 | 0.004339 | 0.005183 | 5.556 | None | No | 0.01 | NP (normality) |
| Lithium (mg/L) | DGWC-42 | 0.012 | 0.0087 | 0.04 | No 19 | 0.01116 | 0.003923 | 5.263 | None | No | 0.01 | NP (normality) |
| Lithium (mg/L) | DGWC-47 | 0.07036 | 0.05388 | 0.04 | Yes 19 | 0.06212 | 0.01407 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | DGWC-48 | 0.122 | 0.1033 | 0.04 | Yes 19 | 0.1127 | 0.01596 | 0 | None | No | 0.01 | Param. |
| Lithium (mg/L) | DGWC-5 | 0.008 | 0.0046 | 0.04 | No 18 | 0.007167 | 0.004789 | 5.556 | None | No | 0.01 | NP (normality) |
| Lithium (mg/L) | DGWC-8 | 0.0066 | 0.0039 | 0.04 | No 18 | 0.006094 | 0.004873 | 5.556 | None | No | 0.01 | NP (normality) |
| Lithium (mg/L) | DGWC-9 | 0.02864 | 0.02485 | 0.04 | No 18 | 0.02674 | 0.003134 | 5.556 | None | No | 0.01 | Param. |
| Mercury (mg/L) | B-100 | 0.0002 | 0.00011 | 0.002 | No 7 | 0.0001871 | 0.00003402 | 85.71 | None | No | 0.008 | NP (NDs) |
| Mercury (mg/L) | B-101D | 0.00029 | 0.00014 | 0.002 | No 7 | 0.0002043 | 0.00004392 | 71.43 | None | No | 0.008 | NP (NDs) |
| Mercury (mg/L) | B-104D | 0.0002 | 0.000079 | 0.002 | No 8 | 0.0001849 | 0.00004278 | 87.5 | None | No | 0.004 | NP (NDs) |
| Mercury (mg/L) | B-107D | 0.0002 | 0.00016 | 0.002 | No 7 | 0.0001943 | 0.00001512 | 85.71 | None | No | 0.008 | NP (NDs) |
| Mercury (mg/L) | B-108D | 0.0002 | 0.00014 | 0.002 | No 7 | 0.0001914 | 0.00002268 | 85.71 | None | No | 0.008 | NP (NDs) |
| Mercury (mg/L) | B-111D | 0.0002 | 0.000094 | 0.002 | No 8 | 0.0001867 | 0.00003748 | 87.5 | None | No | 0.004 | NP (NDs) |
| Mercury (mg/L) | B-56 | 0.00034 | 0.00016 | 0.002 | No 8 | 0.0002125 | 0.00005339 | 75 | None | No | 0.004 | NP (NDs) |
| Mercury (mg/L) | B-66 | 0.00029 | 0.0002 | 0.002 | No 8 | 0.0002112 | 0.00003182 | 87.5 | None | No | 0.004 | NP (NDs) |
| Mercury (mg/L) | B-82 | 0.0002 | 0.00011 | 0.002 | No 9 | 0.00019 | 0.00003 | 88.89 | None | No | 0.002 | NP (NDs) |
| Mercury (mg/L) | B-88 | 0.0002 | 0.0001 | 0.002 | No 8 | 0.0001762 | 0.00004406 | 75 | None | No | 0.004 | NP (NDs) |
| Mercury (mg/L) | B-92 | 0.0001725 | 0.0001409 | 0.002 | No 5 | 0.000178 | 0.00002168 | 40 | Kaplan-Meier | No | 0.01 | Param. |
| Mercury (mg/L) | B-93 | 0.0002227 | 0.0001063 | 0.002 | No 8 | 0.0001885 | 0.00005161 | 37.5 | Kaplan-Meier | No | 0.01 | Param. |
| Mercury (mg/L) | DGWC-10 | 0.0021 | 0.00009 | 0.002 | No 18 | 0.0002789 | 0.0004573 | 72.22 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | DGWC-11 | 0.00048 | 0.00008 | 0.002 | No 18 | 0.0001928 | 0.00008877 | 77.78 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | DGWC-12 | 0.0002 | 0.00009 | 0.002 | No 20 | 0.0001633 | 0.00006038 | 70 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | DGWC-13 | 0.0002 | 0.00009 | 0.002 | No 18 | 0.0001867 | 0.00003896 | 88.89 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | DGWC-14 | 0.0002 | 0.00008 | 0.002 | No 19 | 0.0001784 | 0.00005145 | 84.21 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | DGWC-15 | 0.0002 | 0.00006 | 0.002 | No 19 | 0.0001926 | 0.00003212 | 94.74 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | DGWC-17 | 0.0002 | 0.000082 | 0.002 | No 19 | 0.0001498 | 0.00006038 | 52.63 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | DGWC-19 | 0.0002 | 0.00013 | 0.002 | No 19 | 0.0001742 | 0.00005399 | 78.95 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | DGWC-2 | 0.00064 | 0.000083 | 0.002 | No 19 | 0.0002038 | 0.0001151 | 78.95 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | DGWC-20 | 0.0002 | 0.00009 | 0.002 | No 19 | 0.0001816 | 0.00004375 | 84.21 | None | No | 0.01 | NP (NDs) |

Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 1/16/2024, 2:23 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Compliance | Sig. N | Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|-------------------|---------|------------|------------|------------|--------|-----------|------------|-------|--------------|-----------|--------|----------------|
| Mercury (mg/L) | DGWC-21 | 0.0002 | 0.00008 | 0.002 | No 19 | 0.0001668 | 0.0000585 | 73.68 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | DGWC-22 | 0.0002 | 0.00011 | 0.002 | No 19 | 0.0001713 | 0.00005249 | 73.68 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | DGWC-23 | 0.0002 | 0.00014 | 0.002 | No 19 | 0.0001884 | 0.00005091 | 42.11 | None | No | 0.01 | NP (normality) |
| Mercury (mg/L) | DGWC-4 | 0.00022 | 0.00013 | 0.002 | No 18 | 0.0002057 | 0.0001044 | 72.22 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | DGWC-42 | 0.0002 | 0.00004 | 0.002 | No 19 | 0.0001916 | 0.00003671 | 94.74 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | DGWC-48 | 0.0002 | 0.00006 | 0.002 | No 19 | 0.0001926 | 0.00003212 | 94.74 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | DGWC-5 | 0.0002483 | 0.0001291 | 0.002 | No 18 | 0.0001963 | 0.0001129 | 11.11 | None | sqrt(x) | 0.01 | Param. |
| Mercury (mg/L) | DGWC-8 | 0.0002 | 0.00009 | 0.002 | No 18 | 0.0001567 | 0.00005886 | 61.11 | None | No | 0.01 | NP (NDs) |
| Mercury (mg/L) | DGWC-9 | 0.0002 | 0.00014 | 0.002 | No 18 | 0.0001851 | 0.00008025 | 38.89 | None | No | 0.01 | NP (normality) |
| Molybdenum (mg/L) | B-100 | 0.19 | 0.01 | 0.1 | No 8 | 0.0325 | 0.06364 | 87.5 | None | No | 0.004 | NP (NDs) |
| Molybdenum (mg/L) | B-101D | 0.01 | 0.0022 | 0.1 | No 7 | 0.008886 | 0.002948 | 85.71 | None | No | 0.008 | NP (NDs) |
| Molybdenum (mg/L) | B-102D | 0.01 | 0.0015 | 0.1 | No 8 | 0.008937 | 0.003005 | 87.5 | None | No | 0.004 | NP (NDs) |
| Molybdenum (mg/L) | B-104D | 0.01 | 0.00083 | 0.1 | No 8 | 0.006619 | 0.004668 | 62.5 | None | No | 0.004 | NP (NDs) |
| Molybdenum (mg/L) | B-108D | 0.01 | 0.00078 | 0.1 | No 7 | 0.008683 | 0.003485 | 85.71 | None | No | 0.008 | NP (NDs) |
| Molybdenum (mg/L) | B-111D | 0.013 | 0.0052 | 0.1 | No 8 | 0.007188 | 0.002518 | 0 | None | No | 0.004 | NP (normality) |
| Molybdenum (mg/L) | B-120D | 0.01 | 0.00089 | 0.1 | No 6 | 0.008482 | 0.003719 | 83.33 | None | No | 0.0155 | NP (NDs) |
| Molybdenum (mg/L) | B-66 | 0.01 | 0.0015 | 0.1 | No 8 | 0.007912 | 0.003866 | 75 | None | No | 0.004 | NP (NDs) |
| Molybdenum (mg/L) | B-82 | 0.01 | 0.00081 | 0.1 | No 9 | 0.008979 | 0.003063 | 88.89 | None | No | 0.002 | NP (NDs) |
| Molybdenum (mg/L) | B-88 | 0.01 | 0.0012 | 0.1 | No 8 | 0.0078 | 0.004074 | 75 | None | No | 0.004 | NP (NDs) |
| Molybdenum (mg/L) | B-98 | 0.01 | 0.00075 | 0.1 | No 5 | 0.002898 | 0.003984 | 20 | None | No | 0.031 | NP (normality) |
| Molybdenum (mg/L) | DGWC-13 | 0.02133 | 0.0112 | 0.1 | No 18 | 0.01717 | 0.009402 | 0 | None | x^(1/3) | 0.01 | Param. |
| Molybdenum (mg/L) | DGWC-2 | 0.01 | 0.002 | 0.1 | No 19 | 0.004474 | 0.003876 | 31.58 | None | No | 0.01 | NP (normality) |
| Molybdenum (mg/L) | DGWC-22 | 0.01 | 0.00097 | 0.1 | No 19 | 0.009525 | 0.002072 | 94.74 | None | No | 0.01 | NP (NDs) |
| Molybdenum (mg/L) | DGWC-23 | 0.01051 | 0.007122 | 0.1 | No 19 | 0.008816 | 0.002892 | 0 | None | No | 0.01 | Param. |
| Molybdenum (mg/L) | DGWC-4 | 0.006107 | 0.004359 | 0.1 | No 18 | 0.005233 | 0.001445 | 5.556 | None | No | 0.01 | Param. |
| Selenium (mg/L) | B-100 | 0.005 | 0.0019 | 0.05 | No 8 | 0.004612 | 0.001096 | 87.5 | None | No | 0.004 | NP (NDs) |
| Selenium (mg/L) | B-101D | 0.005 | 0.0031 | 0.05 | No 7 | 0.004729 | 0.0007181 | 85.71 | None | No | 0.008 | NP (NDs) |
| Selenium (mg/L) | B-104D | 0.005 | 0.0016 | 0.05 | No 8 | 0.003512 | 0.001659 | 50 | None | No | 0.004 | NP (normality) |
| Selenium (mg/L) | B-108D | 0.005 | 0.0016 | 0.05 | No 7 | 0.004514 | 0.001285 | 85.71 | None | No | 0.008 | NP (NDs) |
| Selenium (mg/L) | B-111D | 0.005 | 0.0022 | 0.05 | No 8 | 0.00465 | 0.0009899 | 87.5 | None | No | 0.004 | NP (NDs) |
| Selenium (mg/L) | B-120D | 0.00547 | 0.001163 | 0.05 | No 6 | 0.003317 | 0.001568 | 0 | None | No | 0.01 | Param. |
| Selenium (mg/L) | B-56 | 0.029 | 0.0066 | 0.05 | No 8 | 0.01241 | 0.006956 | 0 | None | No | 0.004 | NP (normality) |
| Selenium (mg/L) | B-77 | 0.005 | 0.005 | 0.05 | No 10 | 0.00467 | 0.001044 | 90 | None | No | 0.011 | NP (NDs) |
| Selenium (mg/L) | B-82 | 0.005 | 0.0016 | 0.05 | No 9 | 0.003333 | 0.001599 | 44.44 | None | No | 0.002 | NP (normality) |
| Selenium (mg/L) | B-83 | 0.02598 | 0.01474 | 0.05 | No 9 | 0.02036 | 0.005821 | 0 | None | No | 0.01 | Param. |
| Selenium (mg/L) | B-88 | 0.003118 | 0.001882 | 0.05 | No 8 | 0.0025 | 0.0005831 | 12.5 | None | No | 0.01 | Param. |
| Selenium (mg/L) | B-92 | 0.01261 | 0.001827 | 0.05 | No 5 | 0.00722 | 0.003218 | 0 | None | No | 0.01 | Param. |
| Selenium (mg/L) | B-93 | 0.02241 | 0.005907 | 0.05 | No 8 | 0.01386 | 0.009758 | 0 | None | x^(1/3) | 0.01 | Param. |
| Selenium (mg/L) | B-97 | 0.004145 | 0.001375 | 0.05 | No 5 | 0.00276 | 0.0008264 | 0 | None | No | 0.01 | Param. |
| Selenium (mg/L) | B-98 | 0.005 | 0.0033 | 0.05 | No 5 | 0.00466 | 0.0007603 | 80 | None | No | 0.031 | NP (NDs) |
| Selenium (mg/L) | DGWC-10 | 0.04655 | 0.0216 | 0.05 | No 18 | 0.03407 | 0.02062 | 0 | None | No | 0.01 | Param. |
| Selenium (mg/L) | DGWC-12 | 0.005 | 0.0019 | 0.05 | No 20 | 0.004145 | 0.002061 | 65 | None | No | 0.01 | NP (NDs) |
| Selenium (mg/L) | DGWC-13 | 0.00421 | 0.002216 | 0.05 | No 18 | 0.004822 | 0.002889 | 16.67 | Kaplan-Meier | sqrt(x) | 0.01 | Param. |
| Selenium (mg/L) | DGWC-14 | 0.005 | 0.0016 | 0.05 | No 19 | 0.003837 | 0.002253 | 57.89 | None | No | 0.01 | NP (NDs) |
| Selenium (mg/L) | DGWC-15 | 0.01 | 0.0018 | 0.05 | No 19 | 0.005095 | 0.001396 | 94.74 | None | No | 0.01 | NP (NDs) |
| Selenium (mg/L) | DGWC-17 | 0.008513 | 0.006353 | 0.05 | No 19 | 0.007595 | 0.002204 | 10.53 | None | ln(x) | 0.01 | Param. |
| Selenium (mg/L) | DGWC-19 | 0.007927 | 0.005158 | 0.05 | No 19 | 0.006542 | 0.002364 | 10.53 | None | No | 0.01 | Param. |
| Selenium (mg/L) | DGWC-2 | 0.0051 | 0.0037 | 0.05 | No 19 | 0.004695 | 0.001819 | 42.11 | None | No | 0.01 | NP (normality) |
| Selenium (mg/L) | DGWC-20 | 0.0734 | 0.03809 | 0.05 | No 19 | 0.05575 | 0.03015 | 0 | None | No | 0.01 | Param. |
| Selenium (mg/L) | DGWC-22 | 0.005 | 0.0017 | 0.05 | No 19 | 0.004826 | 0.0007571 | 94.74 | None | No | 0.01 | NP (NDs) |
| Selenium (mg/L) | DGWC-4 | 0.005 | 0.0014 | 0.05 | No 18 | 0.0048 | 0.0008485 | 94.44 | None | No | 0.01 | NP (NDs) |
| Selenium (mg/L) | DGWC-47 | 0.009789 | 0.003722 | 0.05 | No 19 | 0.007389 | 0.005849 | 10.53 | None | sqrt(x) | 0.01 | Param. |
| Selenium (mg/L) | DGWC-48 | 0.00607 | 0.002576 | 0.05 | No 19 | 0.005484 | 0.00304 | 26.32 | Kaplan-Meier | No | 0.01 | Param. |
| Selenium (mg/L) | DGWC-5 | 0.03402 | 0.007935 | 0.05 | No 18 | 0.02699 | 0.03855 | 5.556 | None | x^(1/3) | 0.01 | Param. |
| Selenium (mg/L) | DGWC-8 | 0.0069 | 0.0031 | 0.05 | No 18 | 0.004678 | 0.001883 | 61.11 | None | No | 0.01 | NP (NDs) |
| Selenium (mg/L) | DGWC-9 | 0.1083 | 0.04482 | 0.05 | No 18 | 0.08198 | 0.05719 | 0 | None | sqrt(x) | 0.01 | Param. |
| Thallium (mg/L) | B-104D | 0.001 | 0.00028 | 0.002 | No 8 | 0.00091 | 0.0002546 | 87.5 | None | No | 0.004 | NP (NDs) |
| Thallium (mg/L) | B-56 | 0.0002928 | 0.0001922 | 0.002 | No 8 | 0.0002425 | 0.00004743 | 0 | None | No | 0.01 | Param. |
| Thallium (mg/L) | B-66 | 0.001 | 0.00021 | 0.002 | No 8 | 0.0009013 | 0.0002793 | 87.5 | None | No | 0.004 | NP (NDs) |
| Thallium (mg/L) | B-82 | 0.001 | 0.000099 | 0.002 | No 9 | 0.000801 | 0.0003949 | 77.78 | None | No | 0.002 | NP (NDs) |

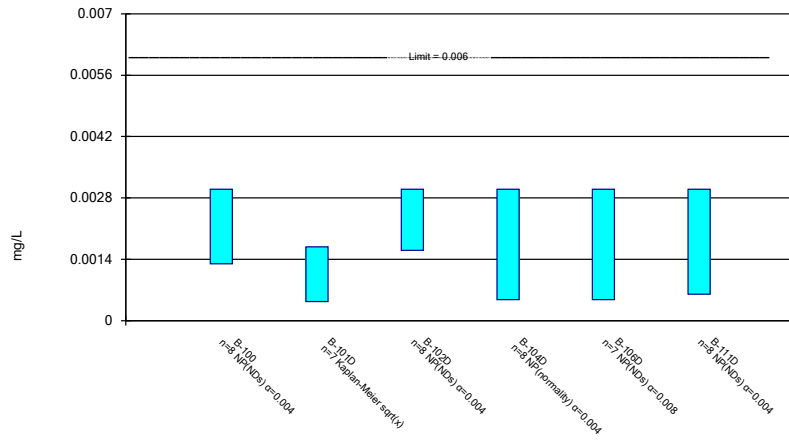
Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 1/16/2024, 2:23 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Compliance | Sig. N | Mean | Std. Dev. | %NDs | ND Adj. | Transform | Alpha | Method |
|-----------------|---------|------------|------------|------------|--------|-----------|------------|-------|---------|-----------|-------|----------------|
| Thallium (mg/L) | B-83 | 0.001 | 0.000072 | 0.002 | No 9 | 0.0008969 | 0.0003093 | 88.89 | None | No | 0.002 | NP (NDs) |
| Thallium (mg/L) | B-88 | 0.001 | 0.0002 | 0.002 | No 8 | 0.0009 | 0.0002828 | 87.5 | None | No | 0.004 | NP (NDs) |
| Thallium (mg/L) | B-92 | 0.001 | 0.0002 | 0.002 | No 5 | 0.000682 | 0.0004355 | 60 | None | No | 0.031 | NP (NDs) |
| Thallium (mg/L) | DGWC-10 | 0.001 | 0.00036 | 0.002 | No 18 | 0.002567 | 0.004091 | 27.78 | None | No | 0.01 | NP (normality) |
| Thallium (mg/L) | DGWC-12 | 0.001 | 0.000091 | 0.002 | No 20 | 0.0006439 | 0.0004483 | 60 | None | No | 0.01 | NP (NDs) |
| Thallium (mg/L) | DGWC-14 | 0.001 | 0.00056 | 0.002 | No 19 | 0.0009768 | 0.0001009 | 94.74 | None | No | 0.01 | NP (NDs) |
| Thallium (mg/L) | DGWC-17 | 0.001 | 0.00017 | 0.002 | No 19 | 0.0005247 | 0.0004167 | 42.11 | None | No | 0.01 | NP (normality) |
| Thallium (mg/L) | DGWC-19 | 0.0005534 | 0.0004903 | 0.002 | No 19 | 0.00052 | 0.00005588 | 5.263 | None | x^2 | 0.01 | Param. |
| Thallium (mg/L) | DGWC-20 | 0.1 | 0.0006 | 0.002 | No 19 | 0.02705 | 0.04479 | 31.58 | None | No | 0.01 | NP (normality) |
| Thallium (mg/L) | DGWC-22 | 0.001 | 0.00007 | 0.002 | No 19 | 0.0007544 | 0.0004222 | 73.68 | None | No | 0.01 | NP (NDs) |
| Thallium (mg/L) | DGWC-4 | 0.001 | 0.000073 | 0.002 | No 18 | 0.0009485 | 0.0002185 | 94.44 | None | No | 0.01 | NP (NDs) |
| Thallium (mg/L) | DGWC-42 | 0.001 | 0.00028 | 0.002 | No 19 | 0.0007694 | 0.0003986 | 73.68 | None | No | 0.01 | NP (NDs) |
| Thallium (mg/L) | DGWC-47 | 0.00032 | 0.0002 | 0.002 | No 19 | 0.0002721 | 0.00009437 | 10.53 | None | No | 0.01 | NP (normality) |
| Thallium (mg/L) | DGWC-48 | 0.001 | 0.00009 | 0.002 | No 19 | 0.0007582 | 0.0004157 | 73.68 | None | No | 0.01 | NP (NDs) |
| Thallium (mg/L) | DGWC-5 | 0.001 | 0.0002 | 0.002 | No 18 | 0.0008522 | 0.000341 | 83.33 | None | No | 0.01 | NP (NDs) |
| Thallium (mg/L) | DGWC-8 | 0.001 | 0.00019 | 0.002 | No 18 | 0.0004794 | 0.0003817 | 33.33 | None | No | 0.01 | NP (normality) |
| Thallium (mg/L) | DGWC-9 | 0.005 | 0.00044 | 0.002 | No 18 | 0.00253 | 0.002276 | 44.44 | None | No | 0.01 | NP (normality) |

Parametric and Non-Parametric (NP) Confidence Interval

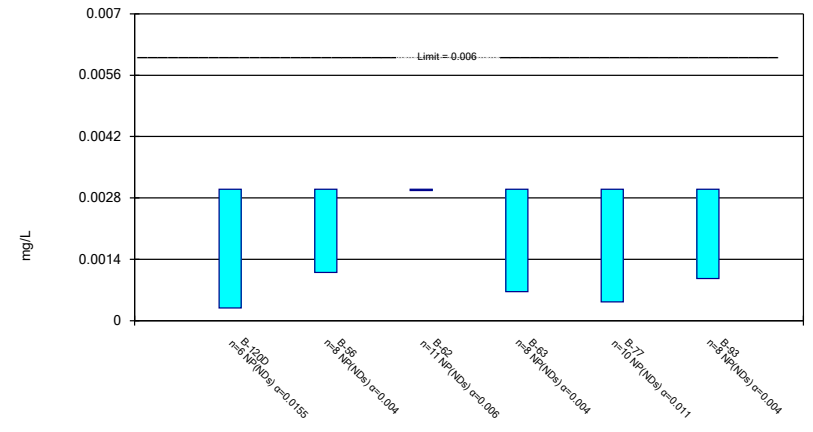
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Antimony Analysis Run 1/16/2024 2:16 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

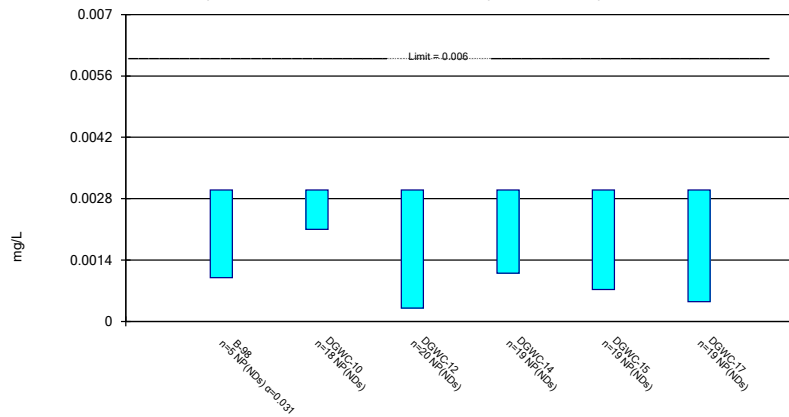
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Constituent: Antimony Analysis Run 1/16/2024 2:16 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

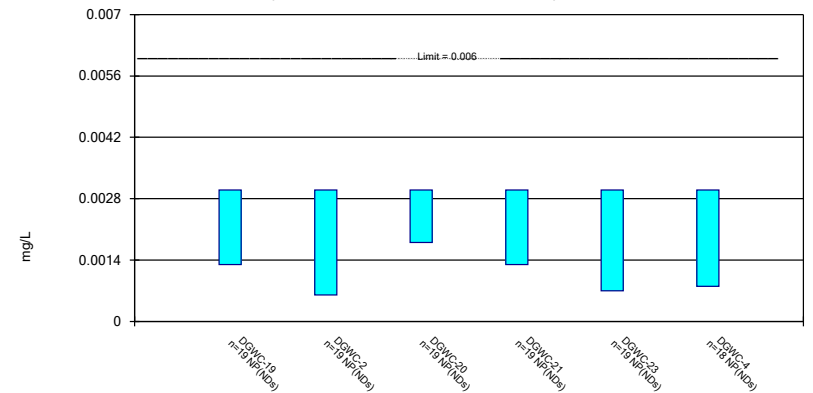
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Constituent: Antimony Analysis Run 1/16/2024 2:16 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

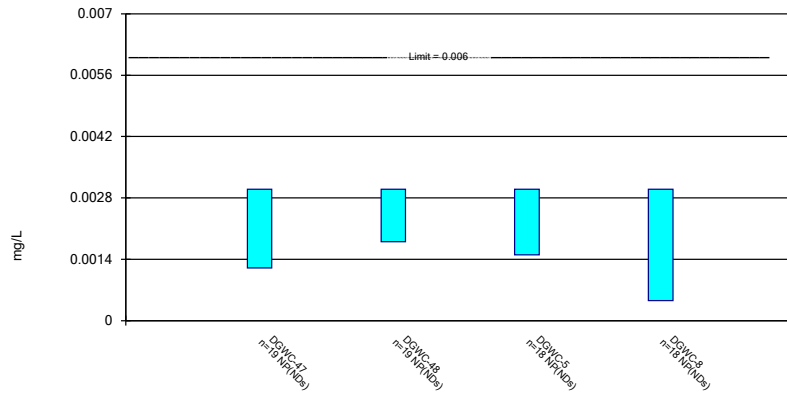
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Constituent: Antimony Analysis Run 1/16/2024 2:16 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

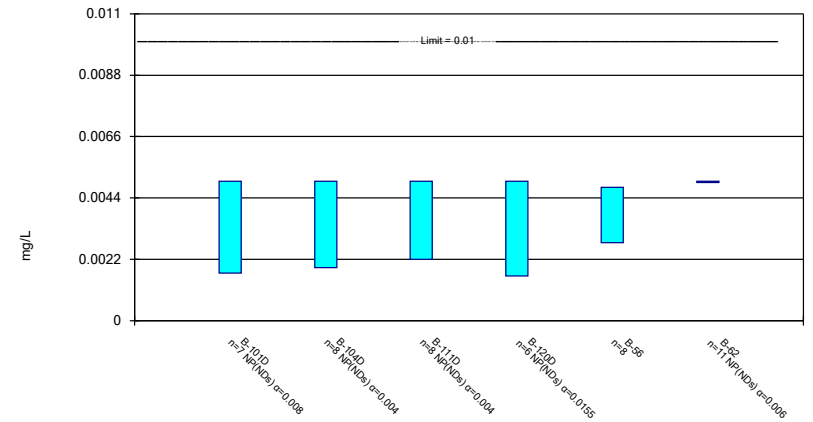
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Constituent: Antimony Analysis Run 1/16/2024 2:16 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

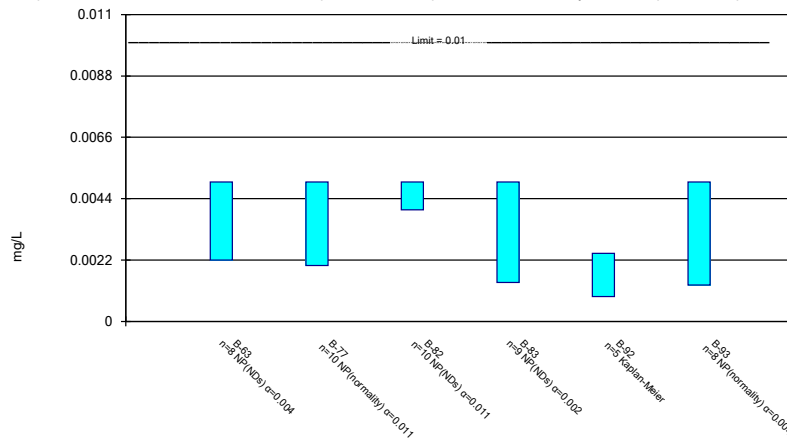
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Constituent: Arsenic Analysis Run 1/16/2024 2:16 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

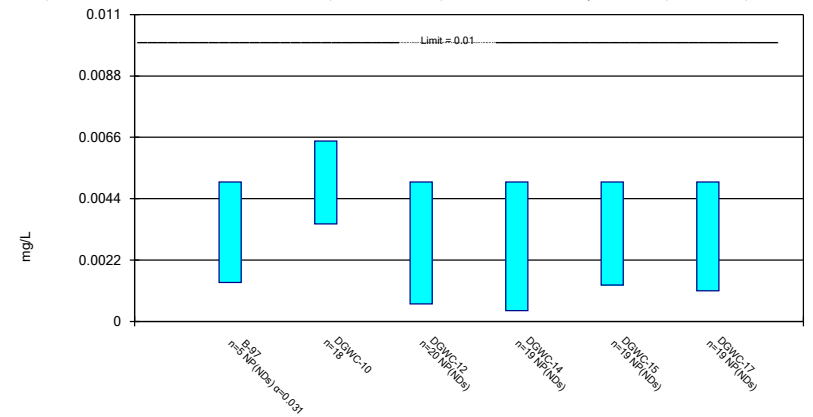
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Constituent: Arsenic Analysis Run 1/16/2024 2:16 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

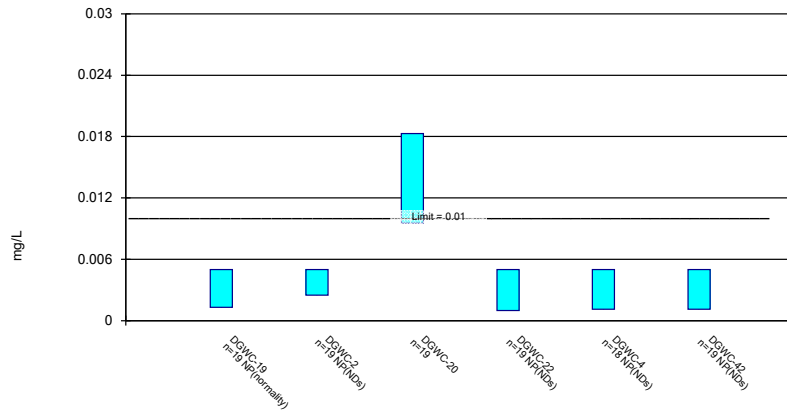
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Constituent: Arsenic Analysis Run 1/16/2024 2:16 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

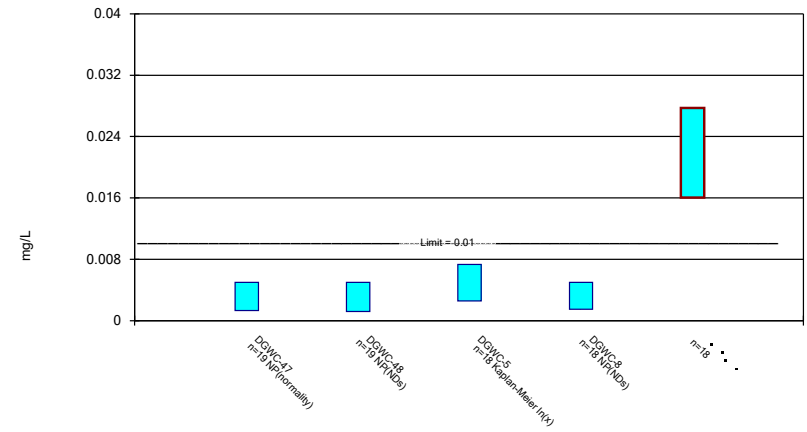
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Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

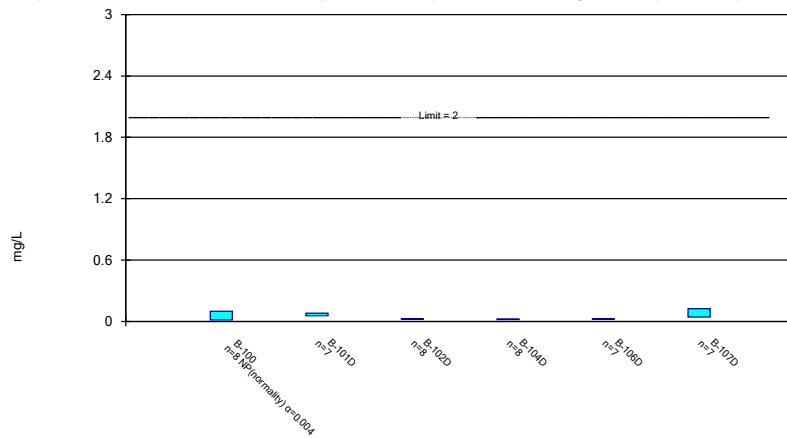
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Constituent: Arsenic Analysis Run 1/16/2024 2:16 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

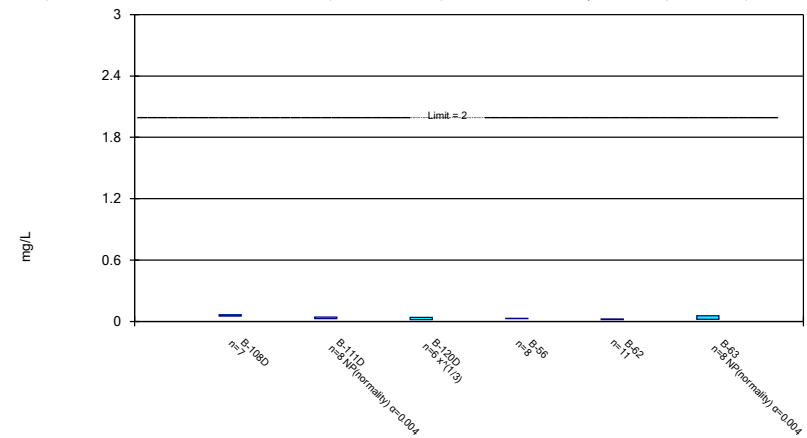
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Constituent: Barium Analysis Run 1/16/2024 2:16 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

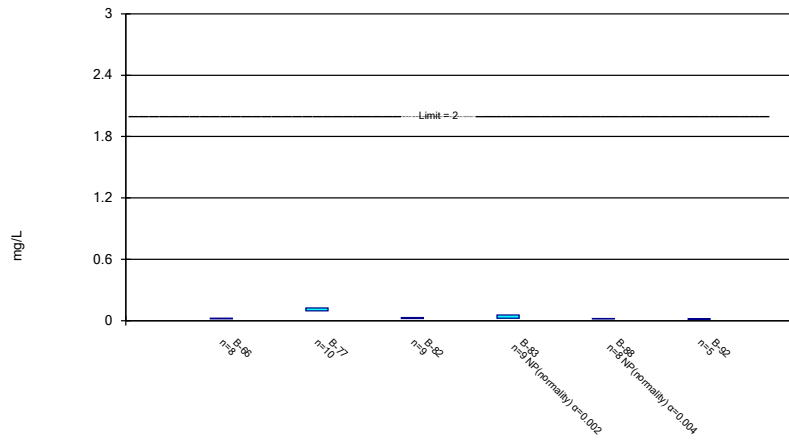
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Constituent: Barium Analysis Run 1/16/2024 2:16 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

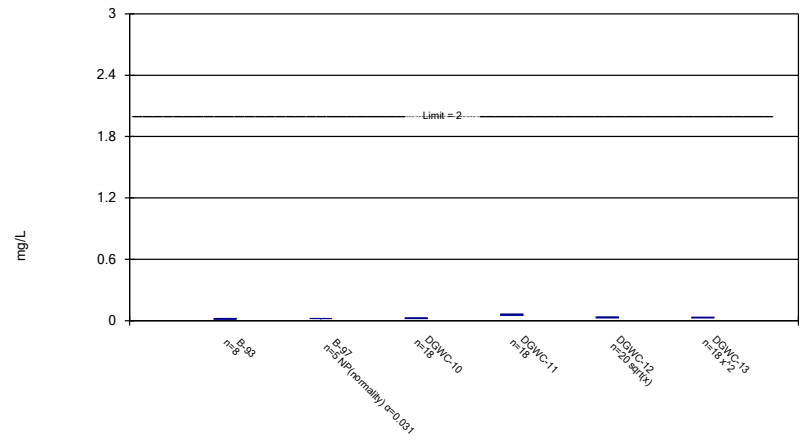
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Constituent: Barium Analysis Run 1/16/2024 2:16 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

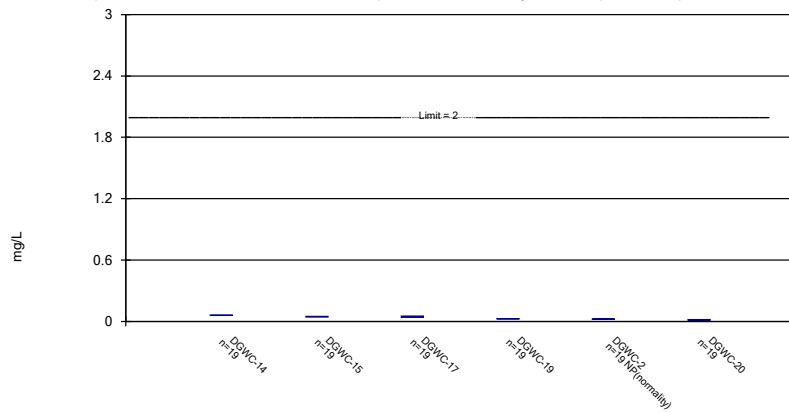
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Constituent: Barium Analysis Run 1/16/2024 2:16 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

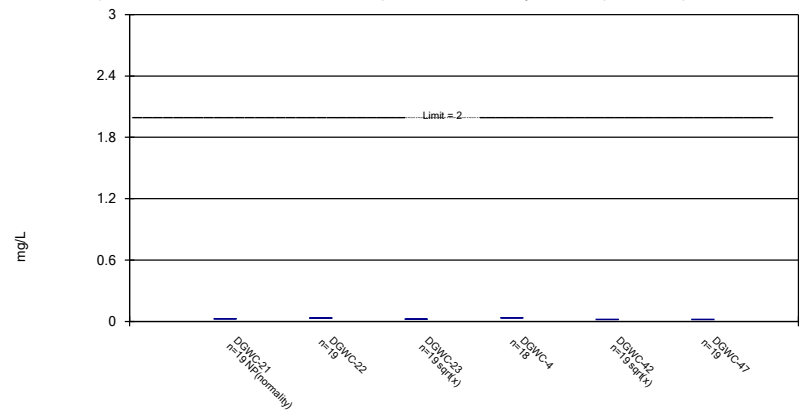
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Constituent: Barium Analysis Run 1/16/2024 2:16 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

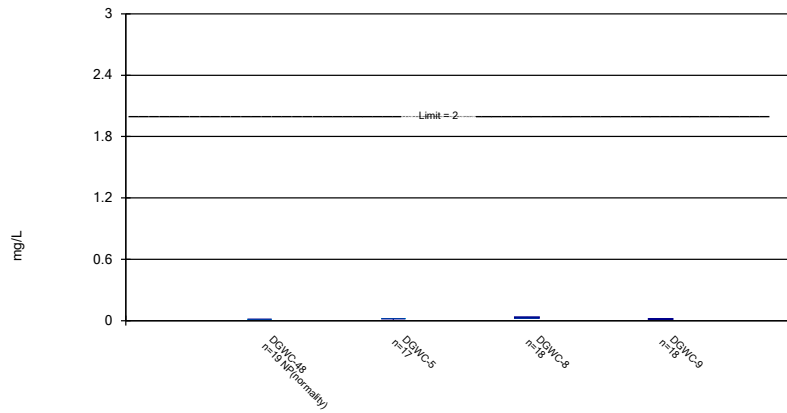
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Constituent: Barium Analysis Run 1/16/2024 2:16 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

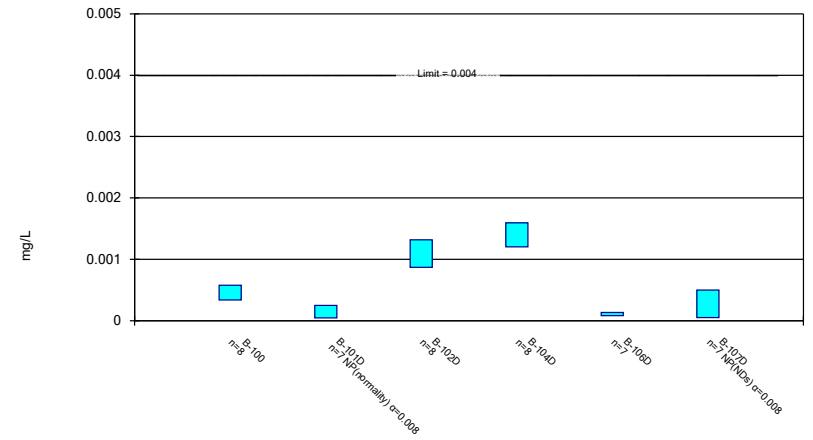
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Constituent: Barium Analysis Run 1/16/2024 2:16 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

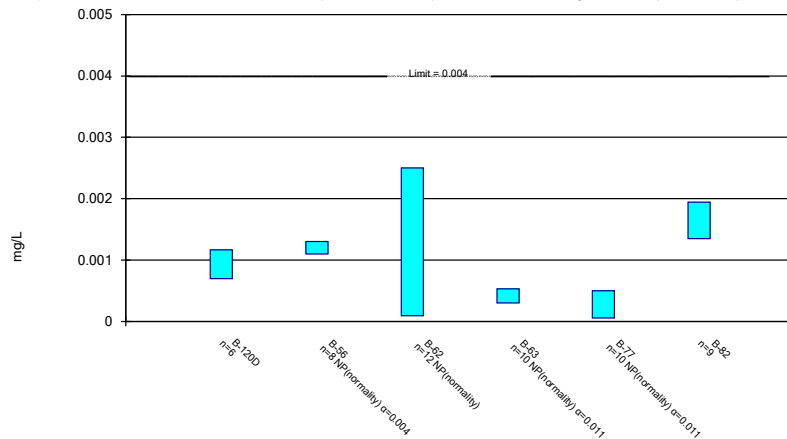
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Constituent: Beryllium Analysis Run 1/16/2024 2:16 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

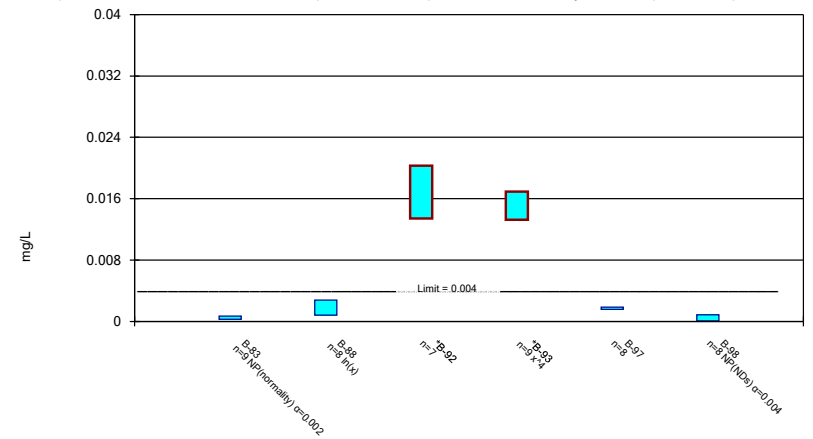
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Constituent: Beryllium Analysis Run 1/16/2024 2:16 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

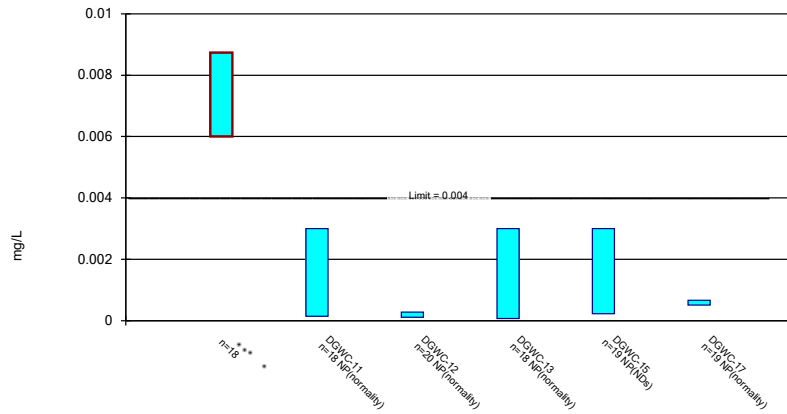
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Constituent: Beryllium Analysis Run 1/16/2024 2:16 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

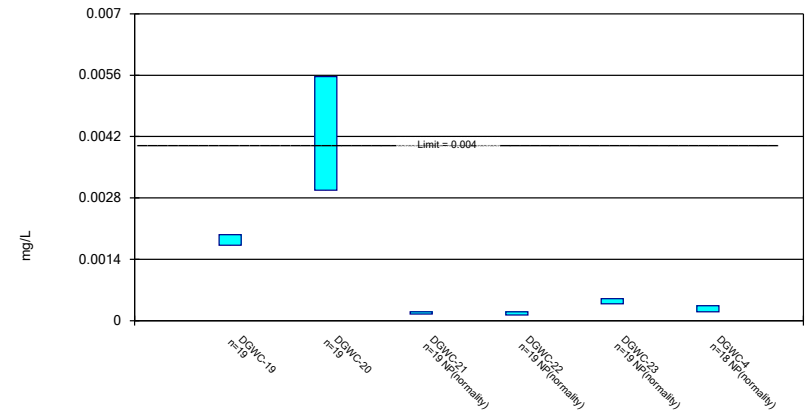
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Constituent: Beryllium Analysis Run 1/16/2024 2:16 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

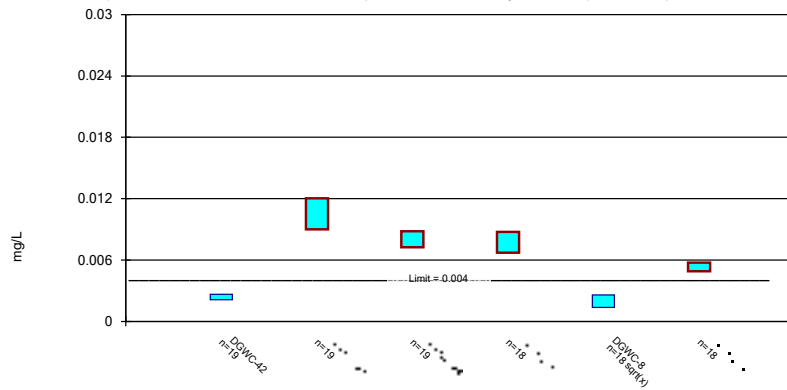
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Constituent: Beryllium Analysis Run 1/16/2024 2:16 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

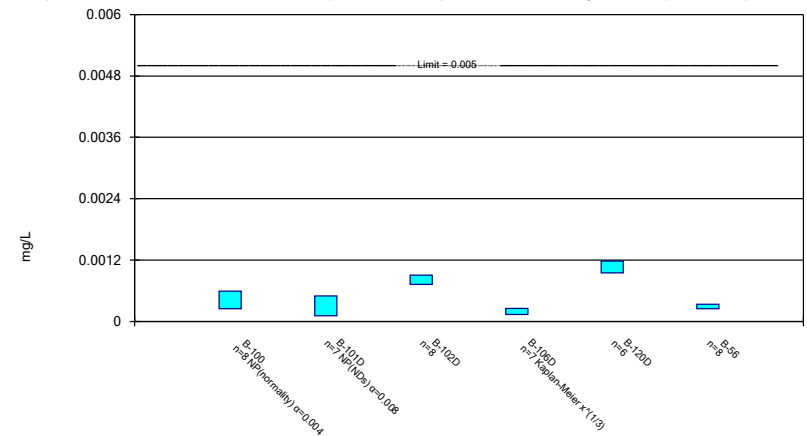
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Constituent: Beryllium Analysis Run 1/16/2024 2:16 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

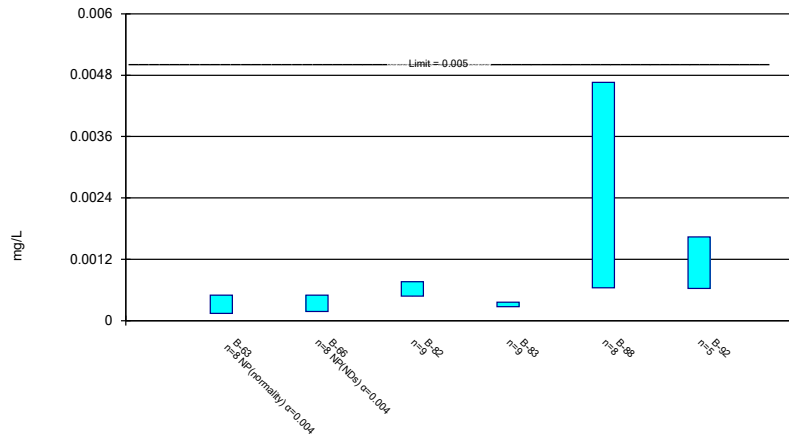
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Constituent: Cadmium Analysis Run 1/16/2024 2:16 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

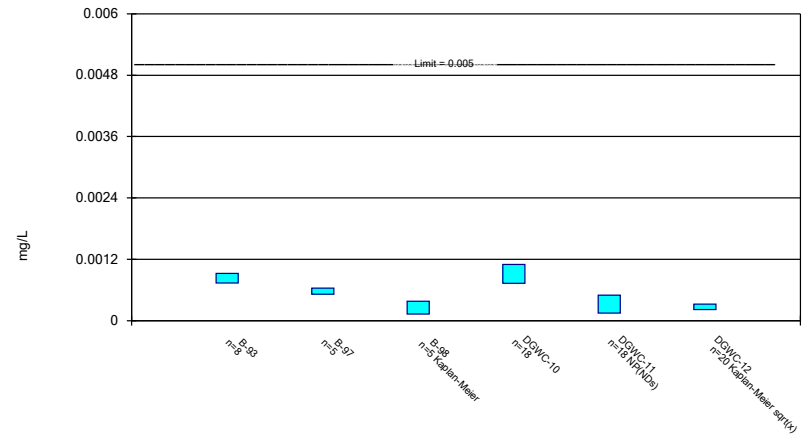
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Constituent: Cadmium Analysis Run 1/16/2024 2:16 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

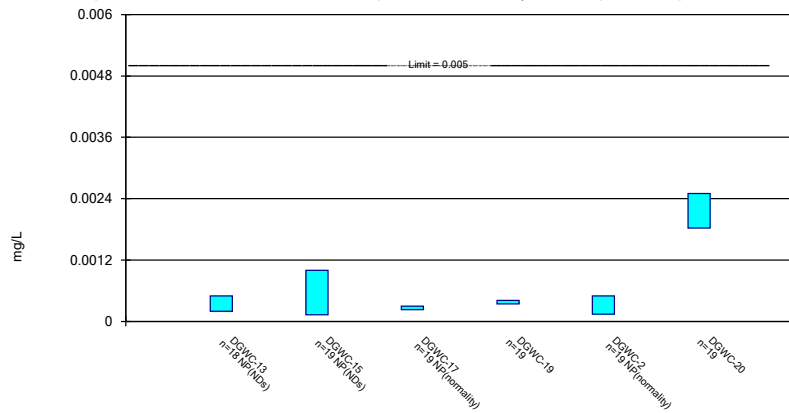
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Constituent: Cadmium Analysis Run 1/16/2024 2:16 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

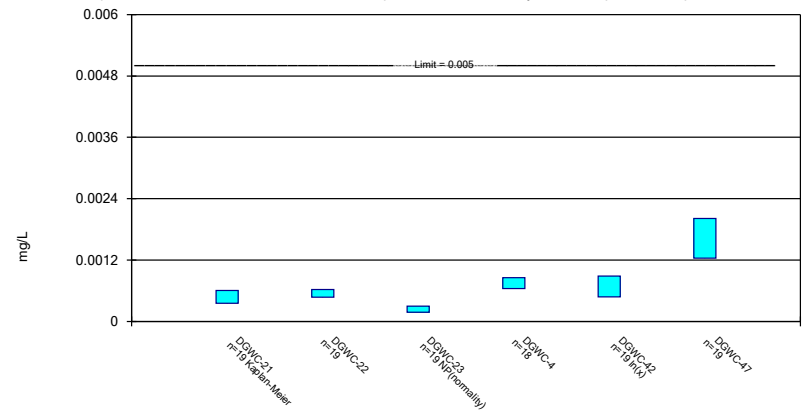
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Constituent: Cadmium Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

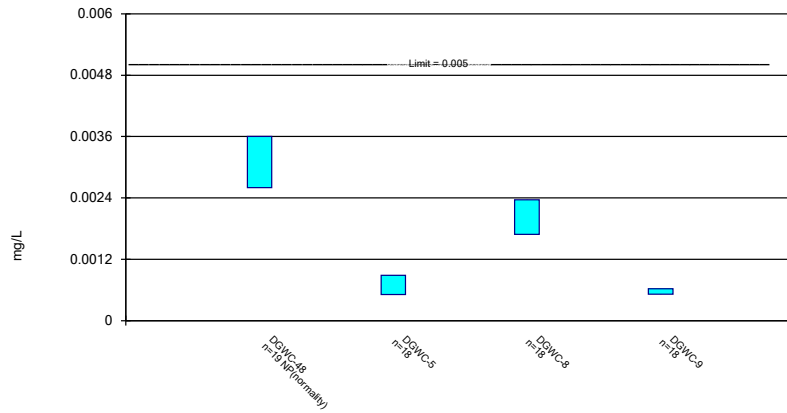
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Constituent: Cadmium Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

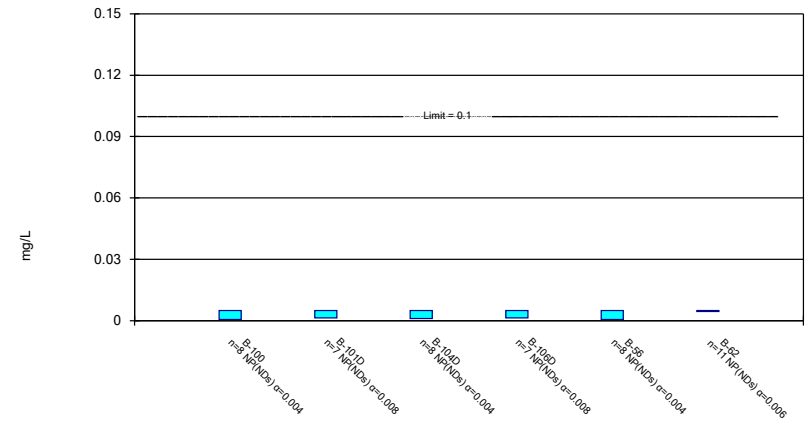
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Constituent: Cadmium Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

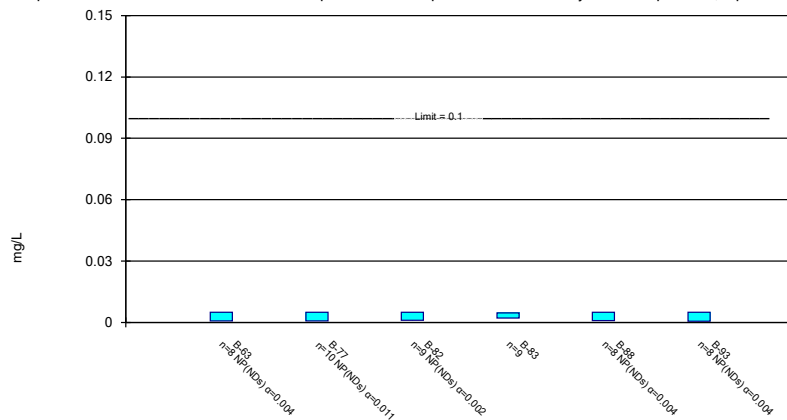
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Constituent: Chromium Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

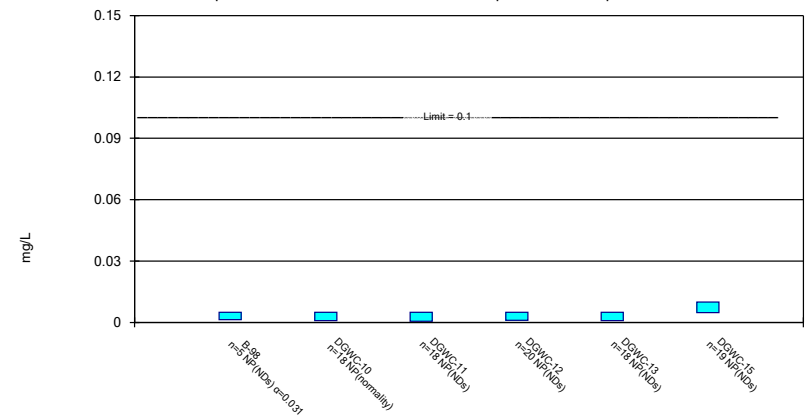
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Constituent: Chromium Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

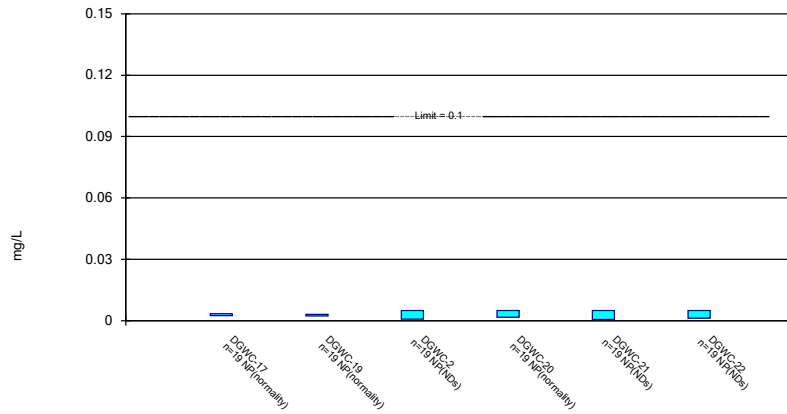
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Constituent: Chromium Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

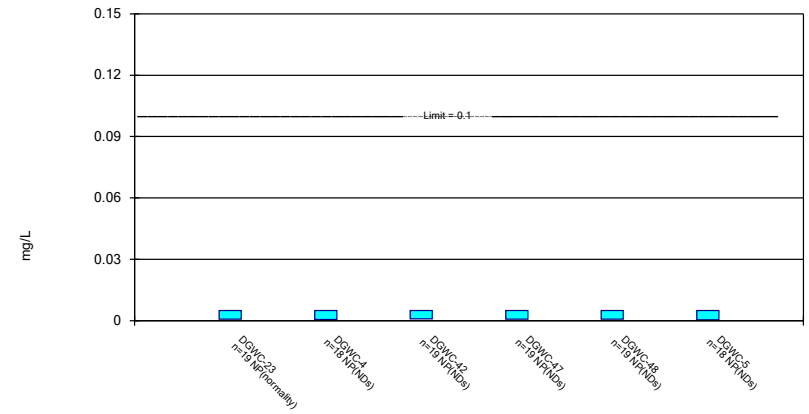
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Constituent: Chromium Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

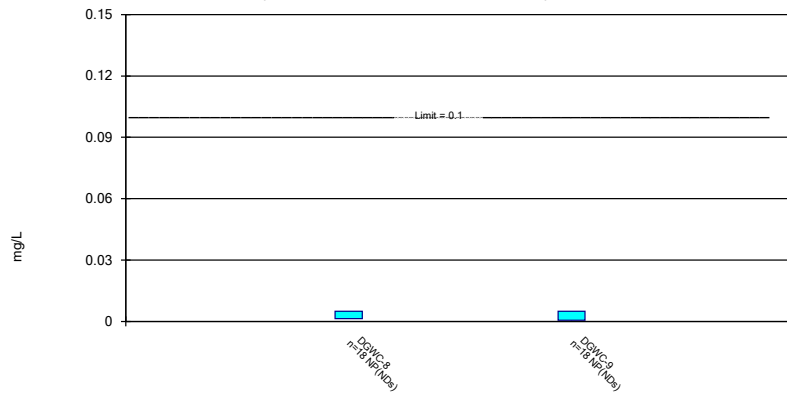
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Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

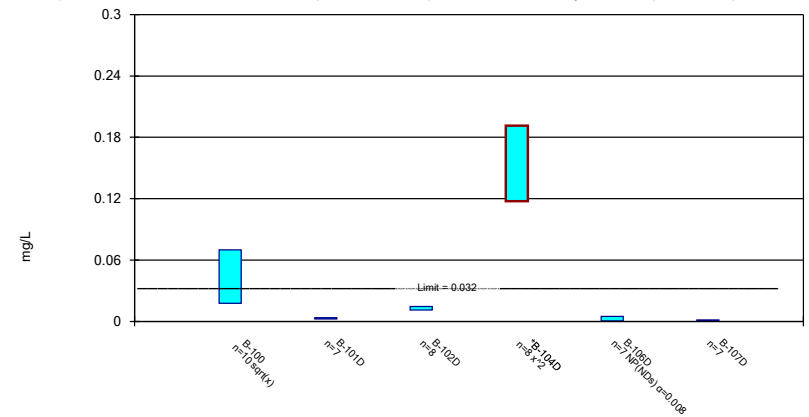
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Constituent: Chromium Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

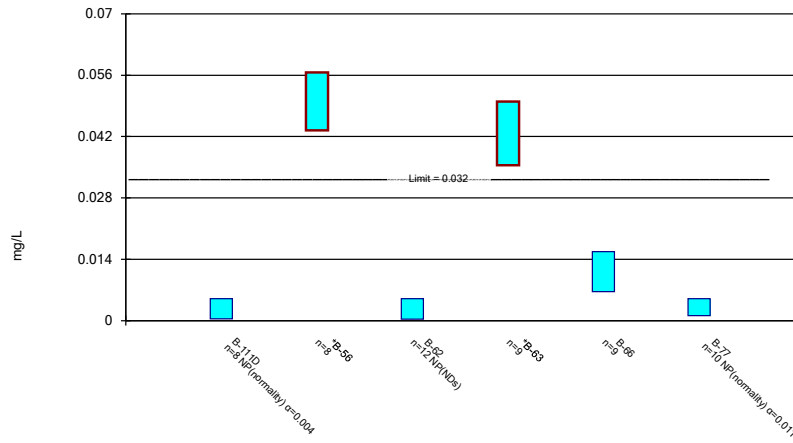
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Constituent: Cobalt Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

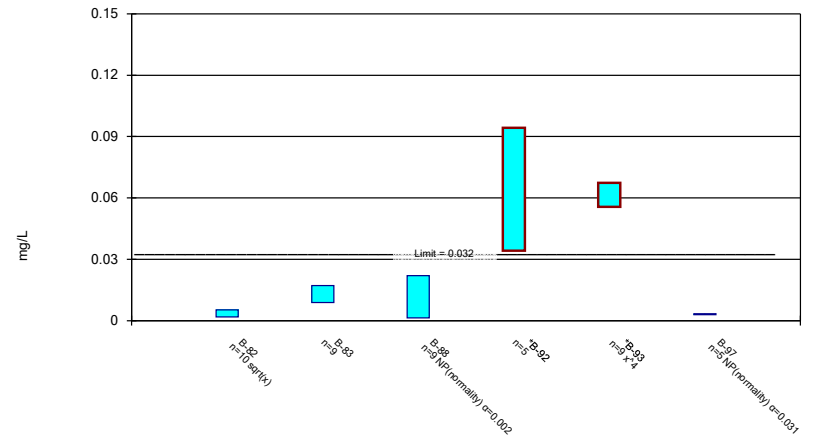
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Constituent: Cobalt Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

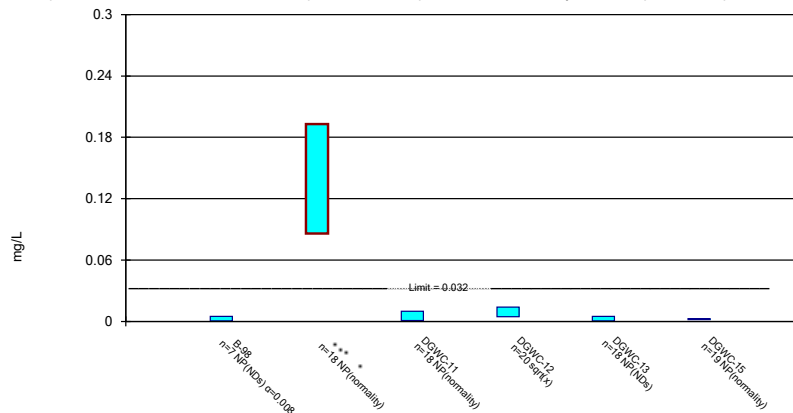
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Constituent: Cobalt Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

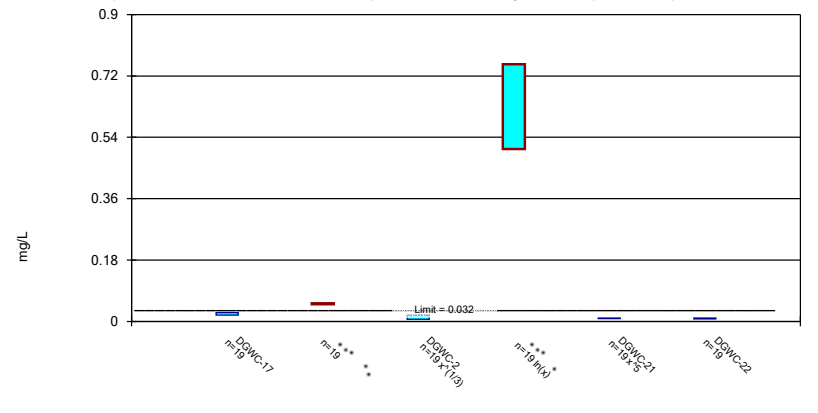
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Constituent: Cobalt Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

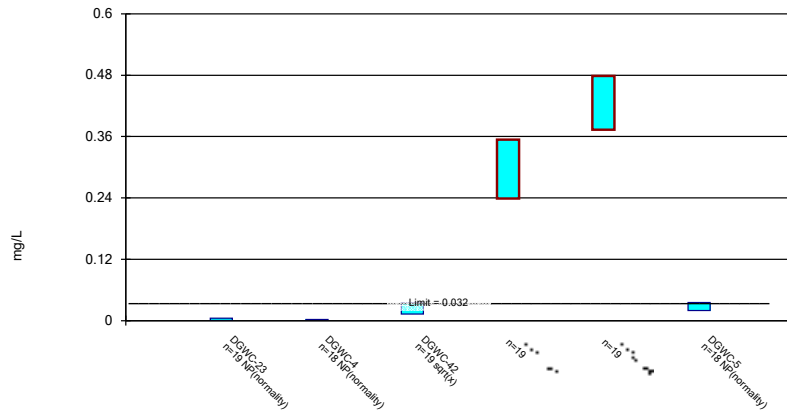
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Constituent: Cobalt Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

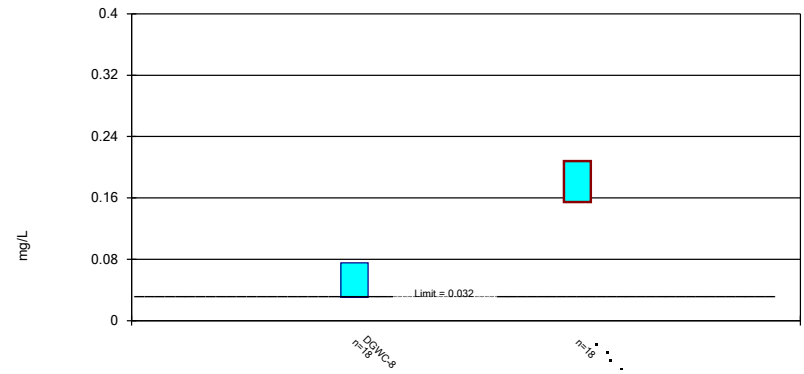
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Constituent: Cobalt Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

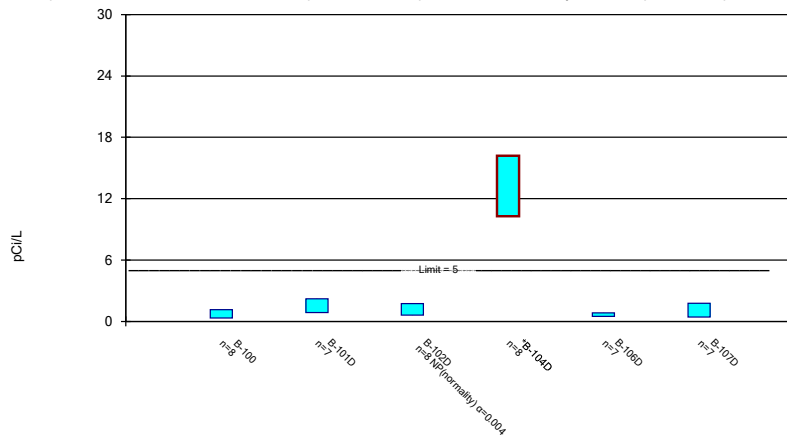
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

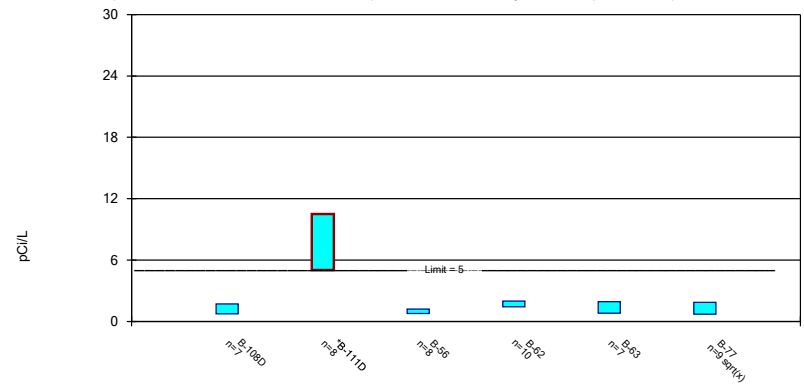
Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Inte
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

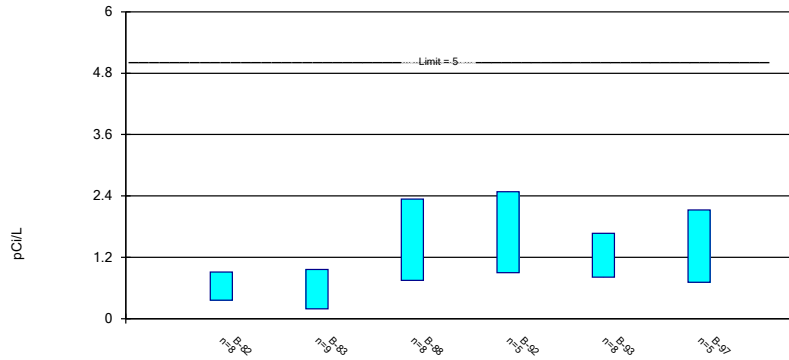
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Inte
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

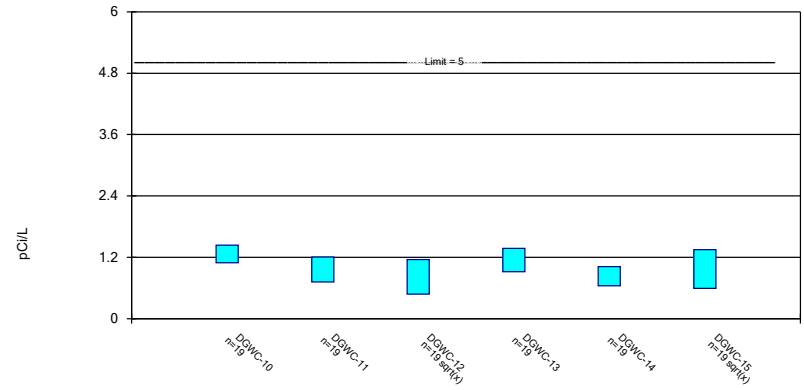
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Inte
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

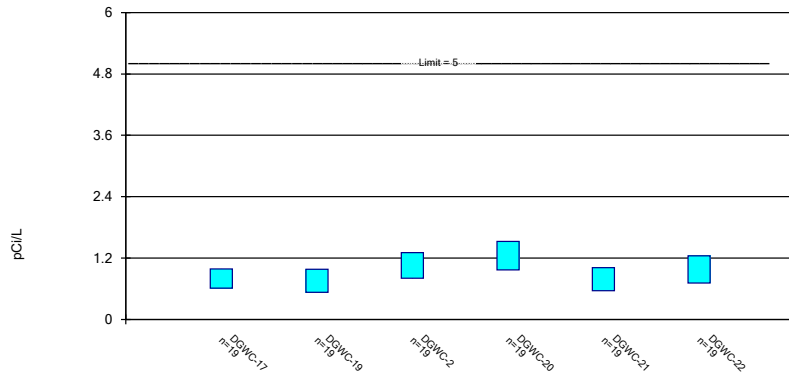
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Inte
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

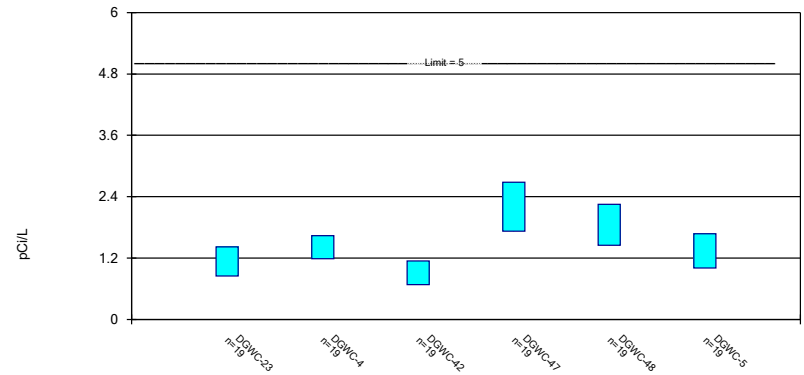
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Inte
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

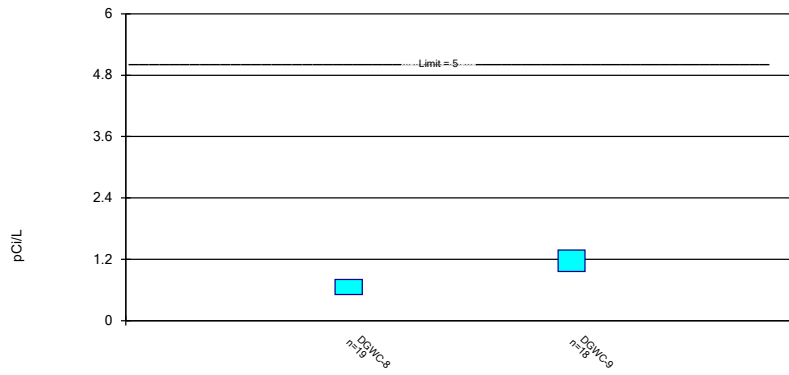
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Inte
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

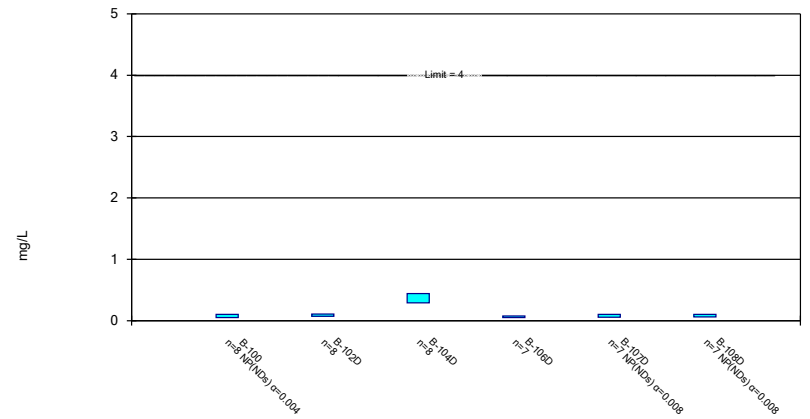
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Inte
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

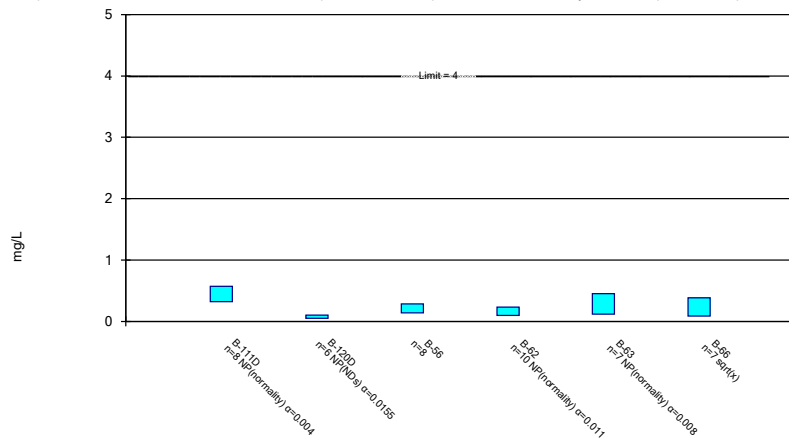
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

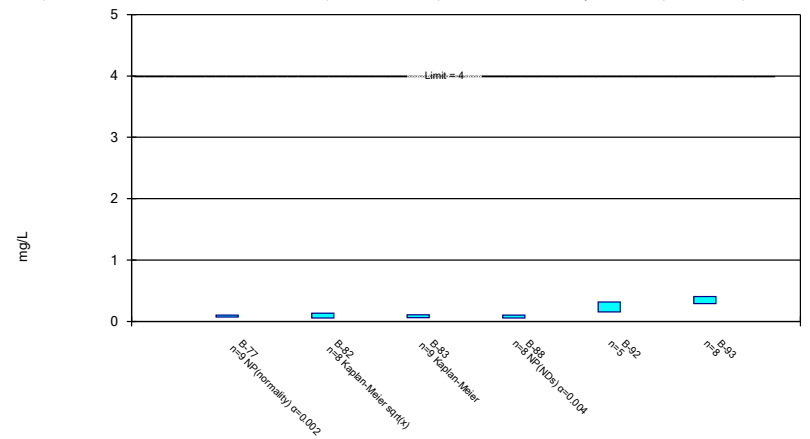
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

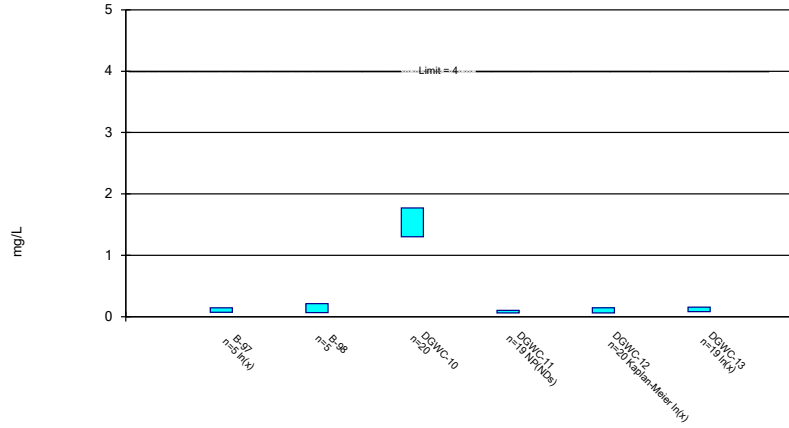
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

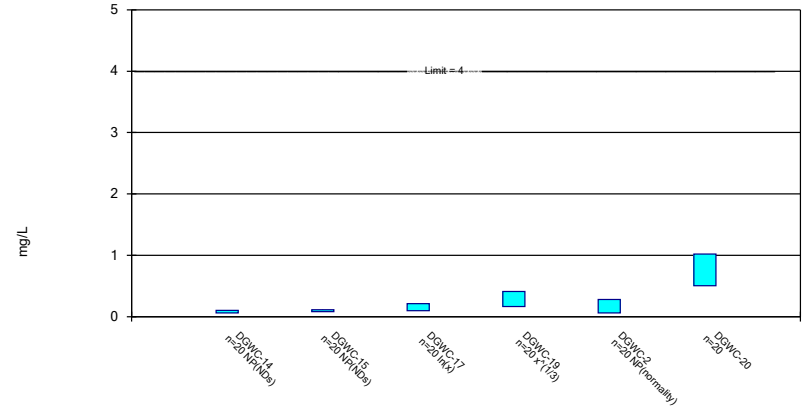
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

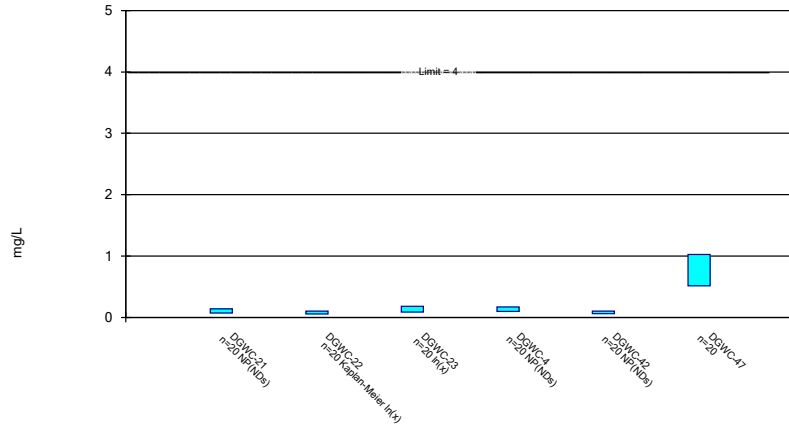
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

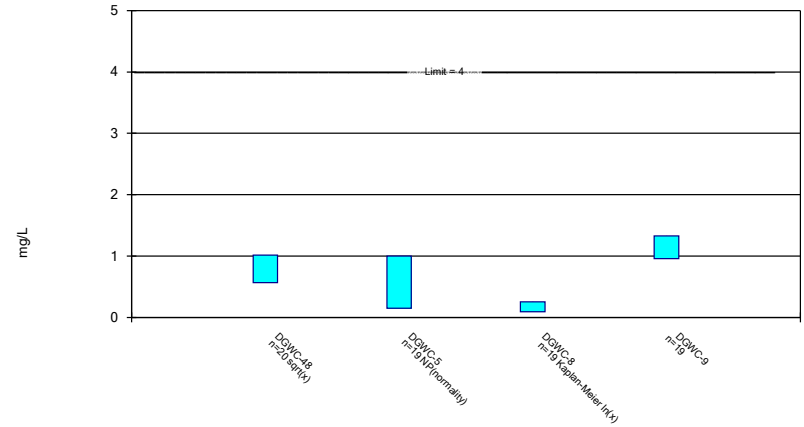
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

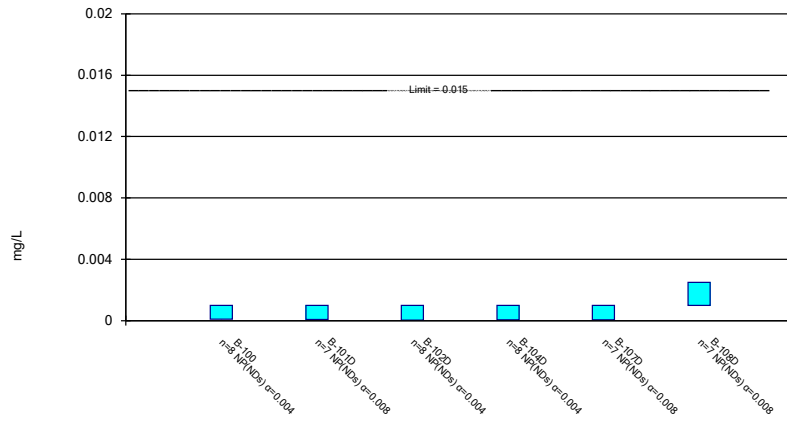
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

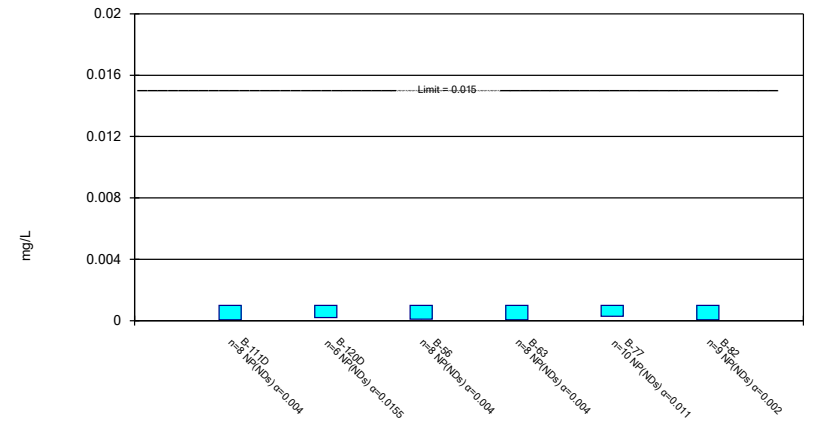
Compliance Limit is not exceeded.



Constituent: Lead Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

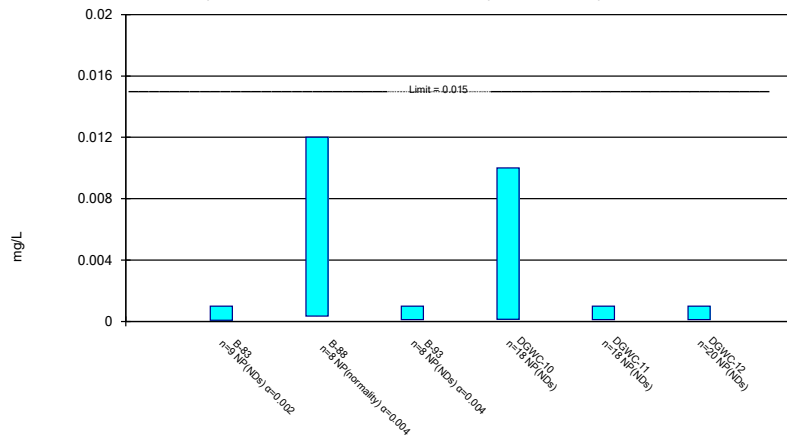
Compliance Limit is not exceeded.



Constituent: Lead Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

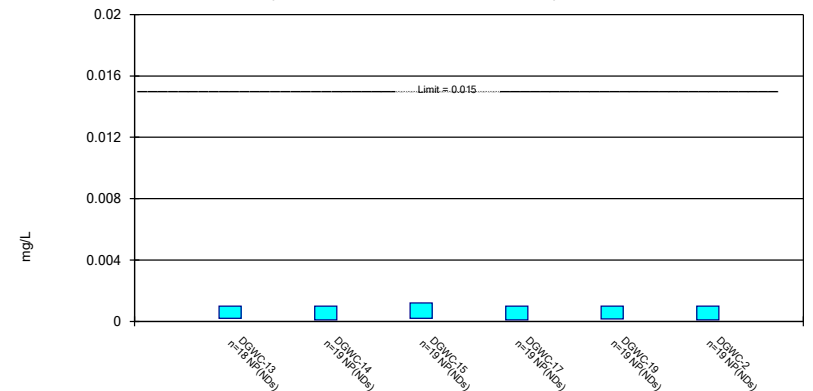
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Lead Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

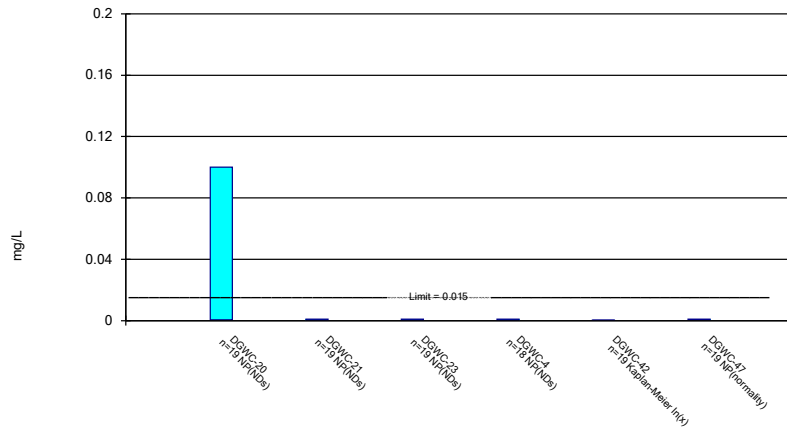
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lead Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

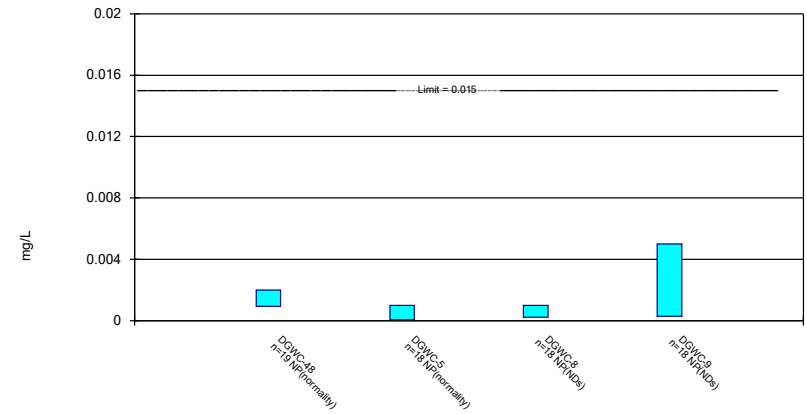
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lead Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

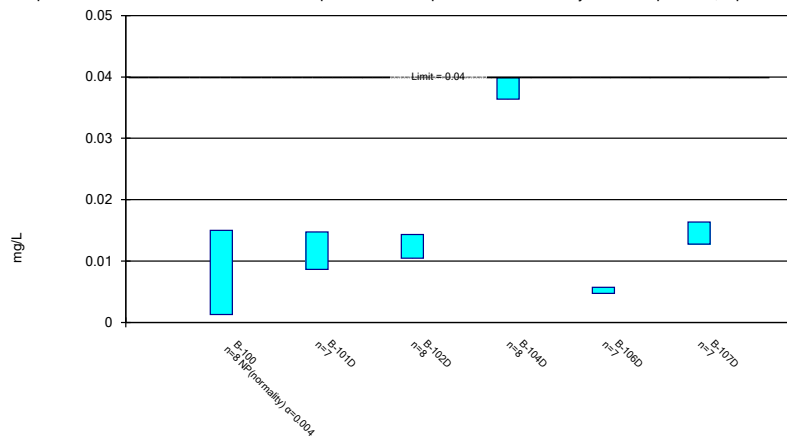
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lead Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

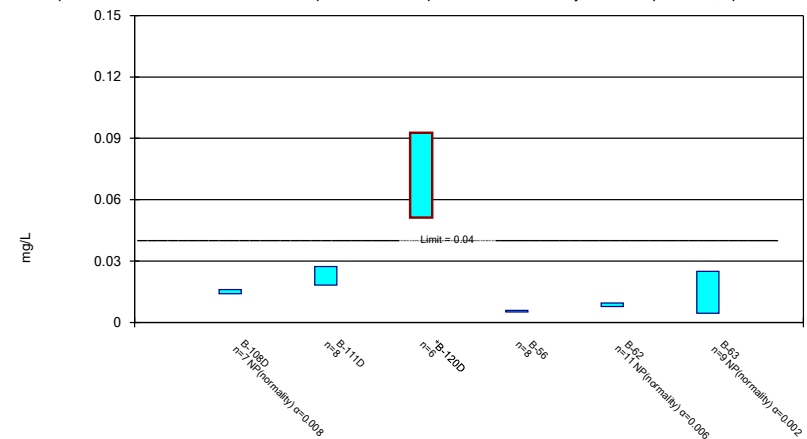
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

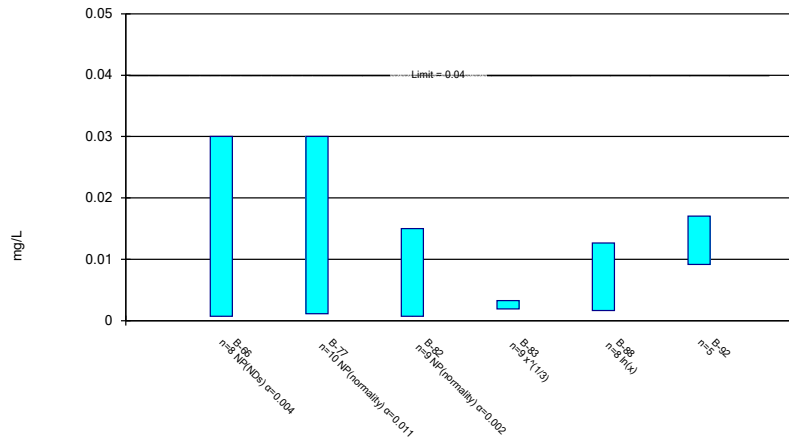
Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

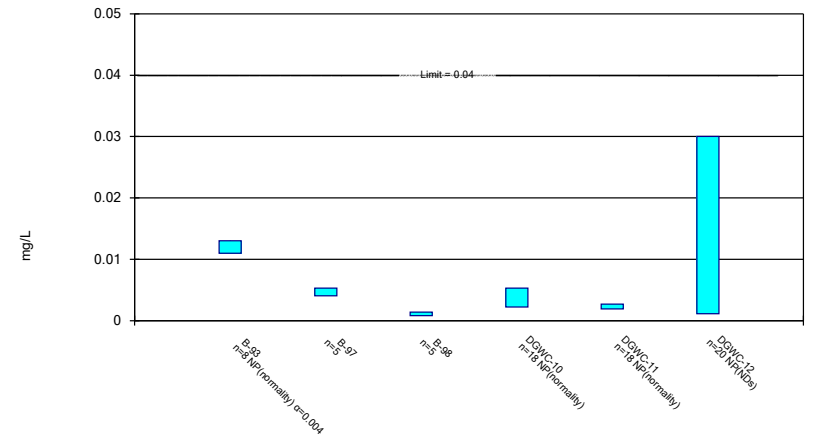
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

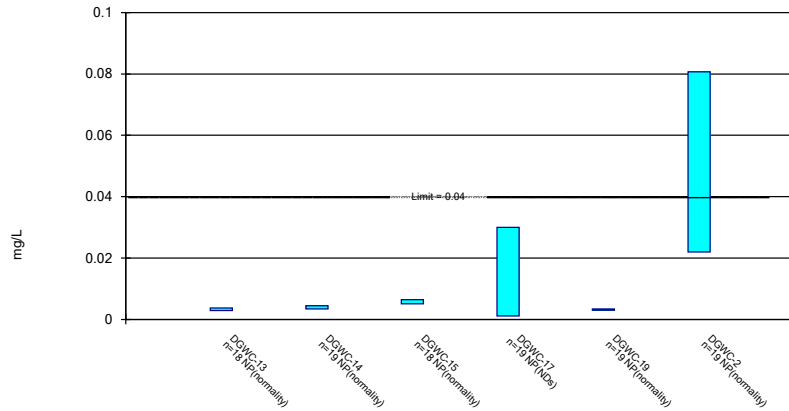
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

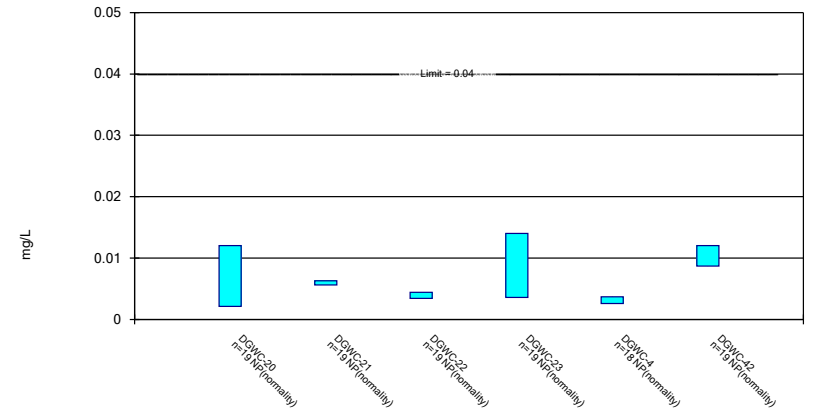
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lithium Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

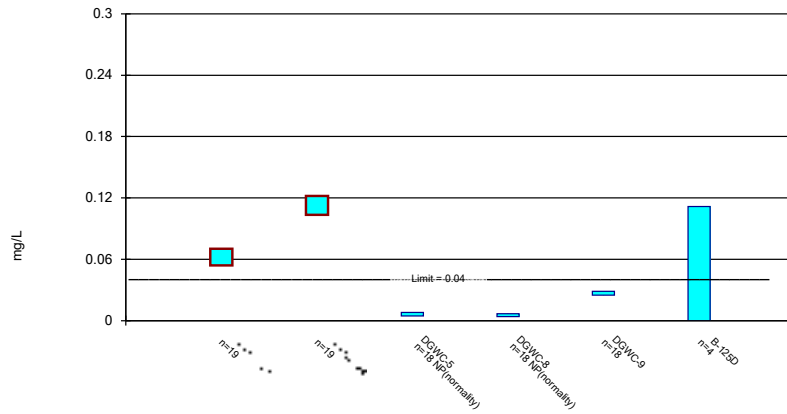
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lithium Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

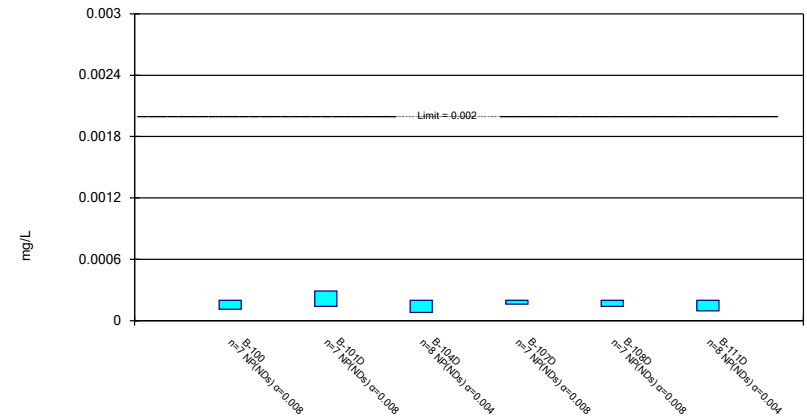
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

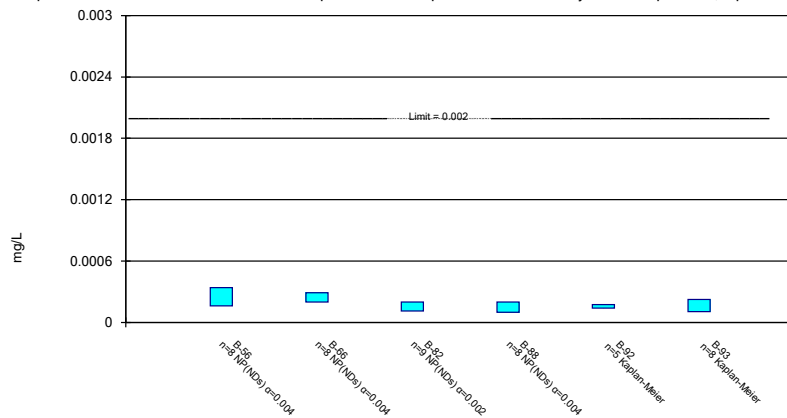
Compliance Limit is not exceeded.



Constituent: Mercury Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

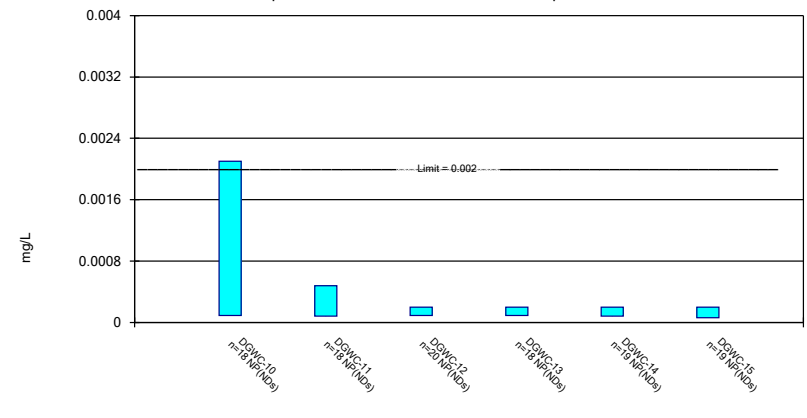
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Mercury Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

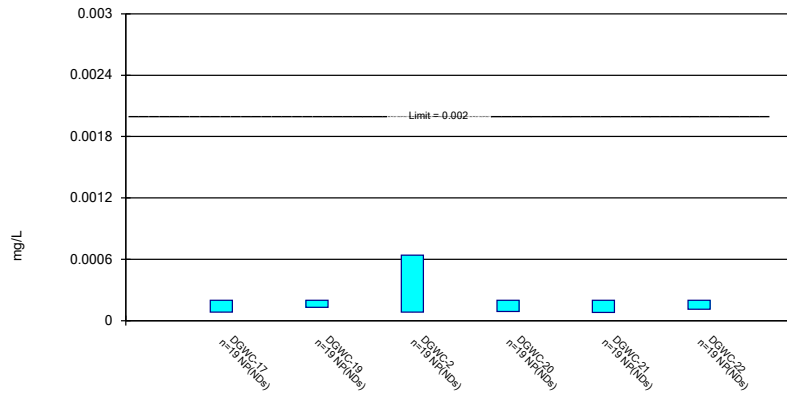
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Mercury Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

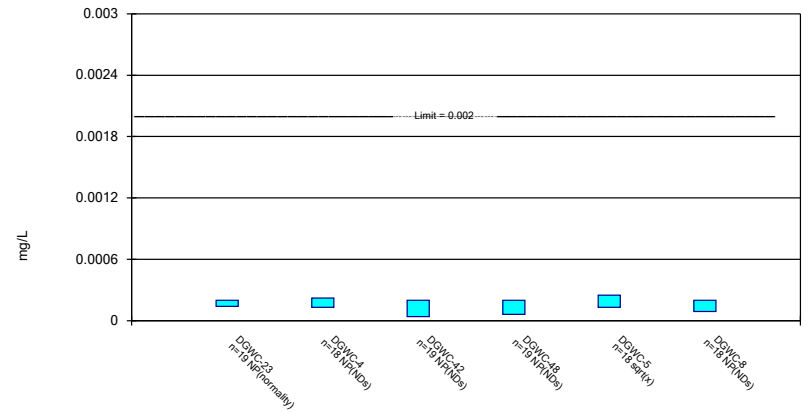
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Mercury Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

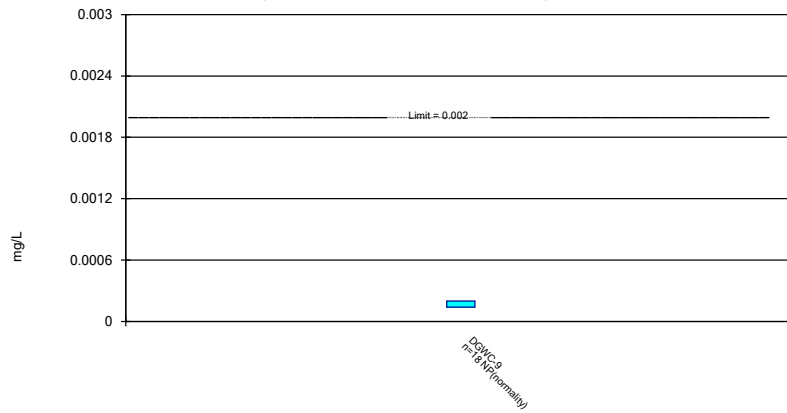
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Mercury Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

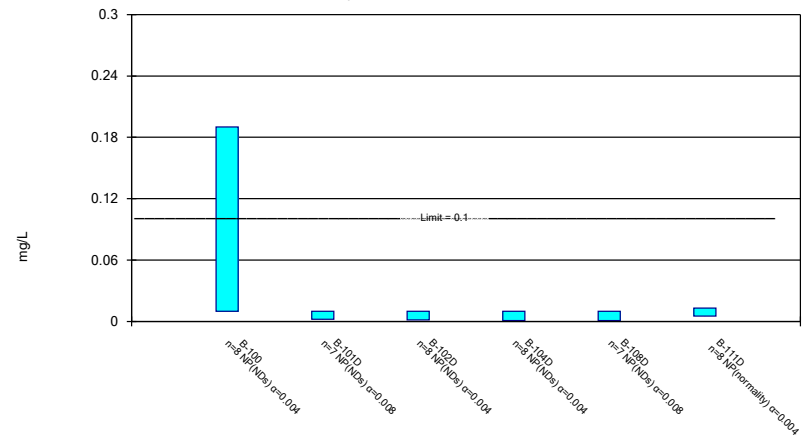
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Mercury Analysis Run 1/16/2024 2:17 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

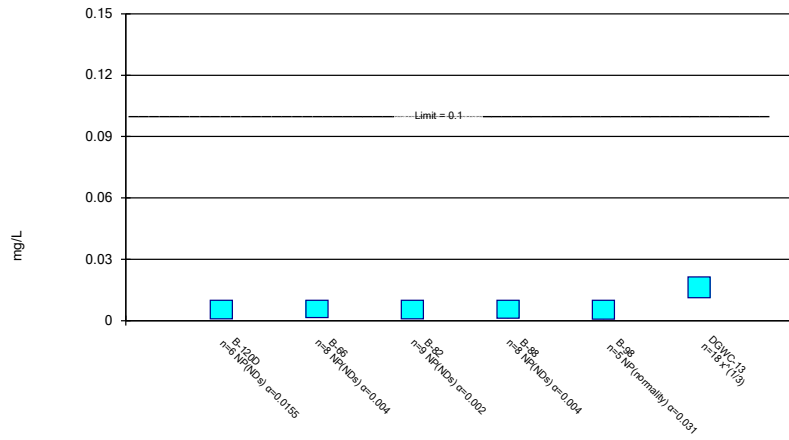
Compliance Limit is not exceeded.



Constituent: Molybdenum Analysis Run 1/16/2024 2:18 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

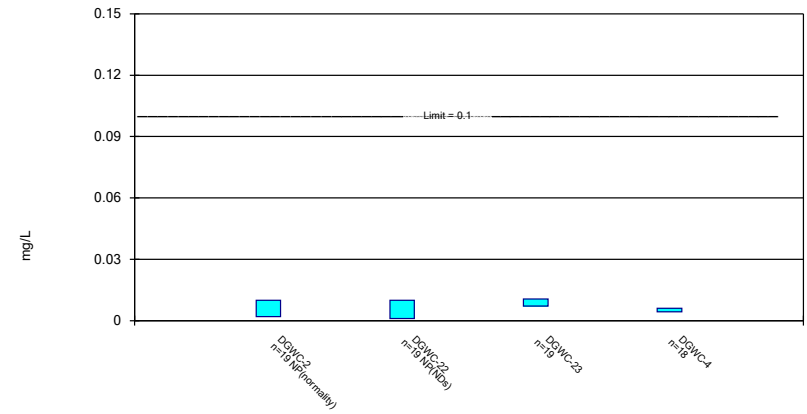
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 1/16/2024 2:18 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

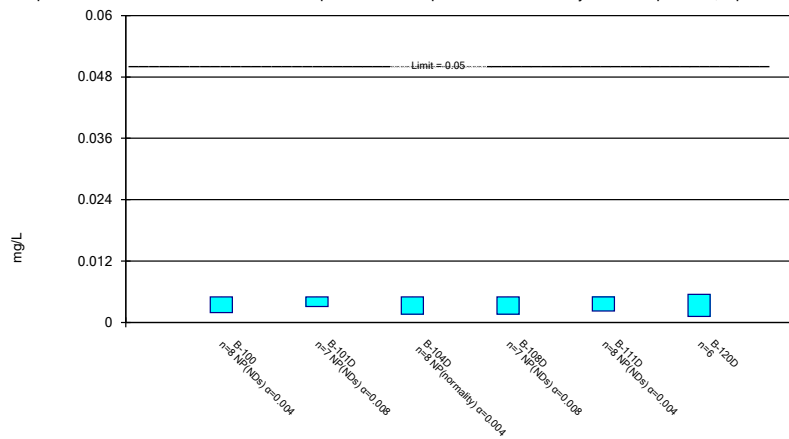
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 1/16/2024 2:18 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

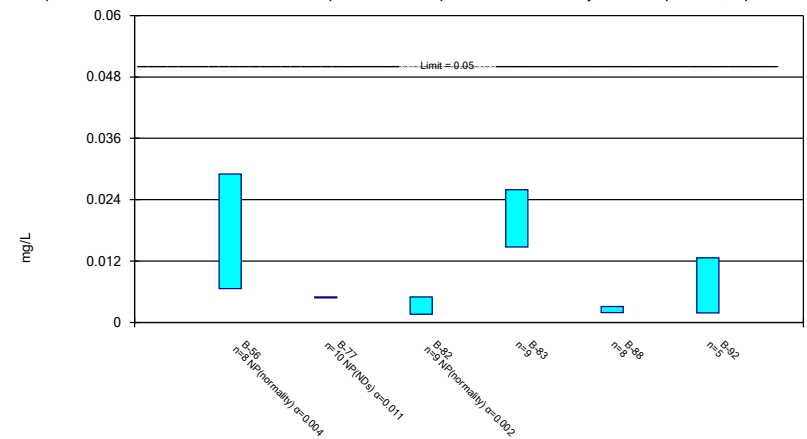
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 1/16/2024 2:18 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

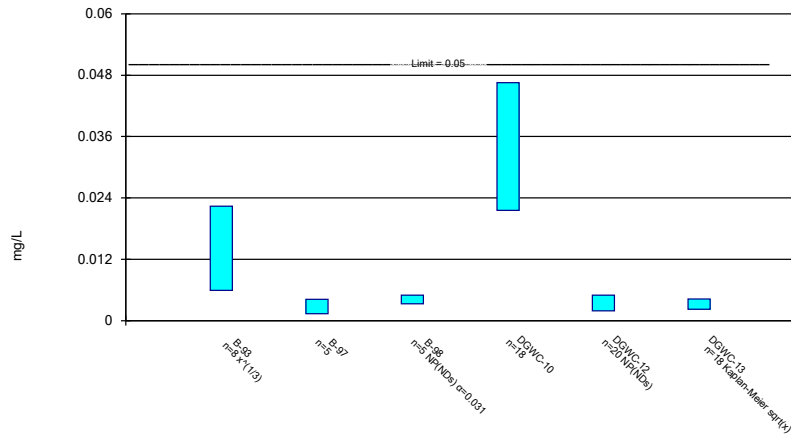
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 1/16/2024 2:18 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

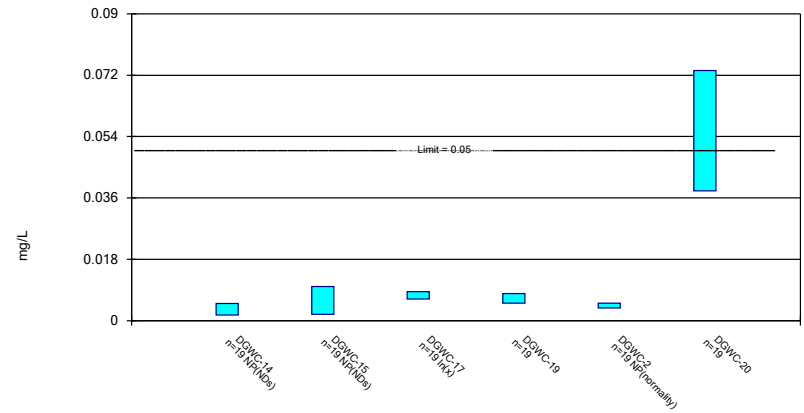
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 1/16/2024 2:18 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

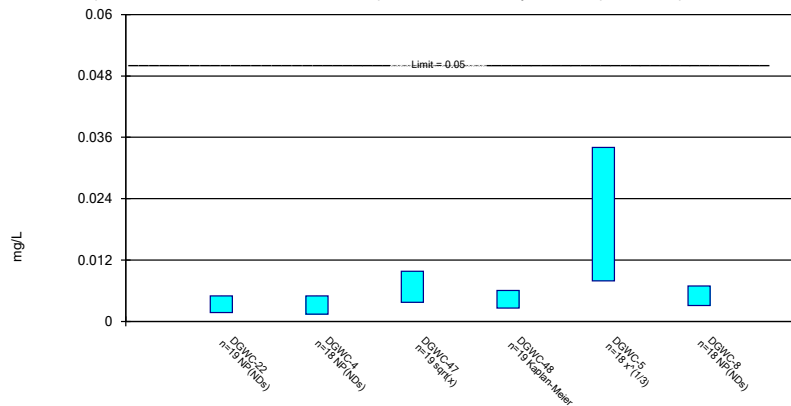
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 1/16/2024 2:18 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

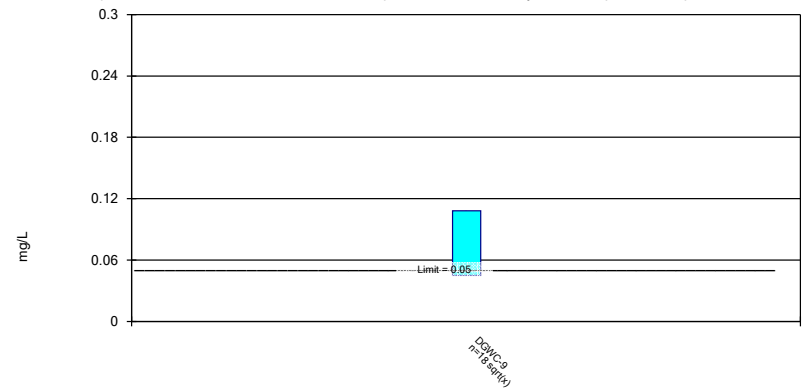
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 1/16/2024 2:18 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

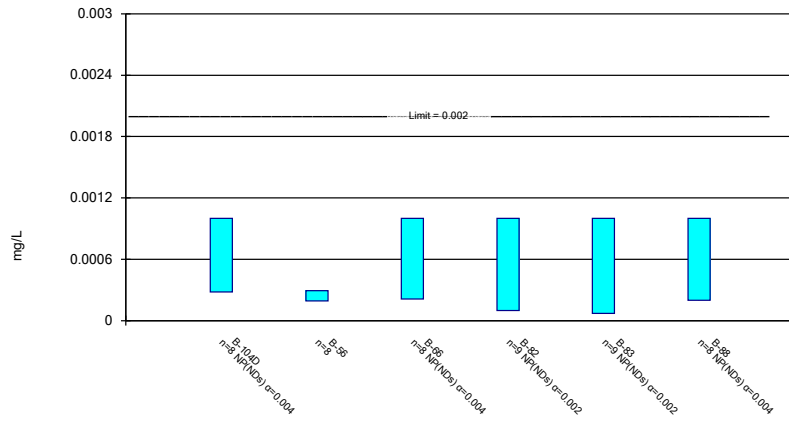
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 1/16/2024 2:18 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

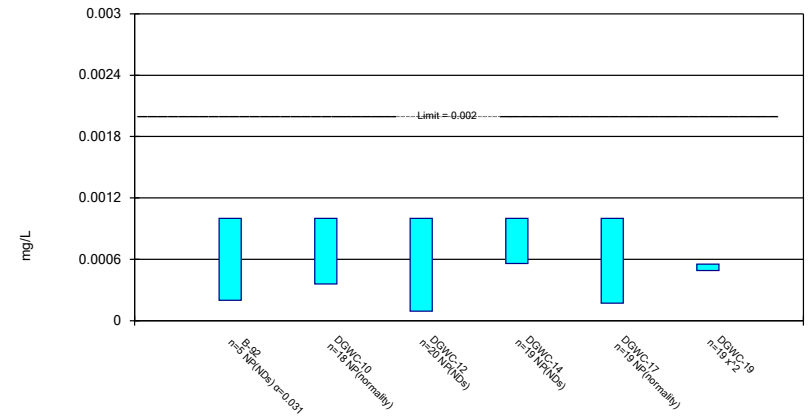
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Thallium Analysis Run 1/16/2024 2:18 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

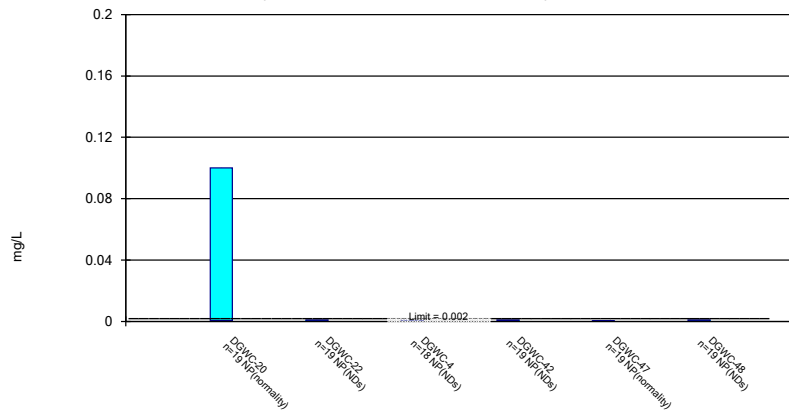
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Thallium Analysis Run 1/16/2024 2:18 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

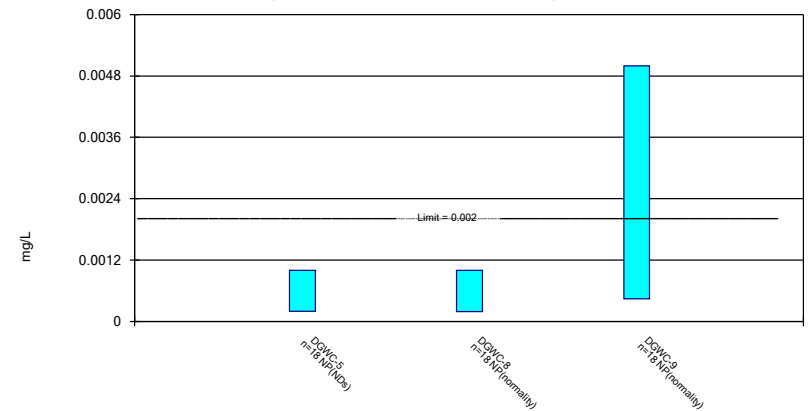
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Thallium Analysis Run 1/16/2024 2:18 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Thallium Analysis Run 1/16/2024 2:18 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-100 | B-101D | B-102D | B-104D | B-106D | B-111D |
|------------|------------|-------------|------------|-------------|-------------|------------|
| 8/17/2020 | 0.0013 (J) | | | | | |
| 9/25/2020 | <0.003 | | | | | |
| 12/9/2020 | | | | 0.00079 (J) | | <0.003 |
| 12/17/2020 | | | 0.0016 (J) | | 0.00048 (J) | |
| 1/11/2021 | | | <0.003 | | | |
| 1/12/2021 | | 0.00039 (J) | | 0.00048 (J) | | <0.003 |
| 3/4/2021 | | | <0.003 | 0.00077 (J) | <0.003 | |
| 3/5/2021 | | 0.0019 (J) | | | | 0.0006 (J) |
| 3/8/2021 | 0.0017 (J) | | | | | |
| 9/10/2021 | | | <0.003 | | | |
| 9/13/2021 | <0.003 | 0.001 (J) | | | <0.003 | |
| 9/14/2021 | | | | <0.003 | | <0.003 |
| 1/21/2022 | <0.003 | | | | | |
| 1/24/2022 | | | | 0.001 (J) | | <0.003 |
| 1/25/2022 | | | | | <0.003 | |
| 1/26/2022 | | 0.00082 (J) | | | | |
| 1/27/2022 | | | <0.003 | | | |
| 9/8/2022 | <0.003 | | | | | |
| 9/13/2022 | | | | <0.003 | | |
| 9/14/2022 | | | | | | <0.003 |
| 9/15/2022 | | | <0.003 | | | |
| 9/16/2022 | | <0.003 | | | <0.003 | |
| 2/2/2023 | <0.003 | | <0.003 | | | |
| 2/3/2023 | | <0.003 | | <0.003 | | |
| 2/7/2023 | | | | | <0.003 | <0.003 |
| 9/6/2023 | <0.003 | | | | | |
| 9/8/2023 | | <0.003 | | | | |
| 9/11/2023 | | | <0.003 | | <0.003 | |
| 9/13/2023 | | | | <0.003 | | 0.0016 (J) |
| Mean | 0.002625 | 0.001873 | 0.002825 | 0.00188 | 0.00264 | 0.002525 |
| Std. Dev. | 0.0007025 | 0.001146 | 0.000495 | 0.001205 | 0.0009525 | 0.0009192 |
| Upper Lim. | 0.003 | 0.001684 | 0.003 | 0.003 | 0.003 | 0.003 |
| Lower Lim. | 0.0013 | 0.0004313 | 0.0016 | 0.00048 | 0.00048 | 0.0006 |

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-120D | B-56 | B-62 | B-63 | B-77 | B-93 |
|------------|-------------|------------|-------------|-------------|-------------|-------------|
| 1/28/2019 | | | | <0.003 | | |
| 1/30/2019 | | | <0.003 | | | |
| 9/11/2019 | | | <0.003 | <0.003 | | |
| 9/18/2019 | | | | | <0.003 | |
| 10/21/2019 | | | <0.003 | | | |
| 10/22/2019 | | | | 0.00066 (J) | | |
| 10/24/2019 | | | | | <0.003 | |
| 8/13/2020 | | | <0.003 | | 0.00043 (J) | |
| 8/17/2020 | | <0.003 | | | | |
| 8/19/2020 | | | | | | <0.003 |
| 9/24/2020 | | | 0.00046 (J) | | 0.00036 (J) | |
| 9/28/2020 | | <0.003 | | | | 0.0014 (J) |
| 3/3/2021 | | <0.003 | | | | |
| 3/4/2021 | | | | | 0.00063 (J) | |
| 3/9/2021 | | | | | | <0.003 |
| 3/12/2021 | | | <0.003 | | | |
| 4/15/2021 | 0.00029 (J) | | | | | |
| 9/9/2021 | | | <0.003 | | | |
| 9/13/2021 | | <0.003 | | | | |
| 9/14/2021 | <0.003 | | | <0.003 | <0.003 | |
| 9/15/2021 | | | | | | <0.003 |
| 1/20/2022 | <0.003 | | <0.003 | <0.003 | <0.003 | |
| 1/26/2022 | | | | | | <0.003 |
| 1/27/2022 | | 0.0011 (J) | | | | |
| 9/8/2022 | | | <0.003 | | | |
| 9/12/2022 | | | | | | 0.00096 (J) |
| 9/13/2022 | | | | | <0.003 | |
| 9/14/2022 | | | | <0.003 | | |
| 9/16/2022 | | <0.003 | | | | |
| 9/19/2022 | <0.003 | | | | | |
| 1/31/2023 | | | | | | 0.0015 (J) |
| 2/2/2023 | | | <0.003 | <0.003 | | |
| 2/3/2023 | <0.003 | | | | | |
| 2/6/2023 | | | | | <0.003 | |
| 2/7/2023 | | <0.003 | | | | |
| 9/6/2023 | | | | | | <0.003 |
| 9/7/2023 | | | <0.003 | <0.003 | | |
| 9/8/2023 | | <0.003 | | | | |
| 9/12/2023 | <0.003 | | | | <0.003 | |
| Mean | 0.002548 | 0.002763 | 0.002769 | 0.002708 | 0.002242 | 0.002358 |
| Std. Dev. | 0.001106 | 0.0006718 | 0.0007658 | 0.0008273 | 0.001222 | 0.0008999 |
| Upper Lim. | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| Lower Lim. | 0.00029 | 0.0011 | 0.003 | 0.00066 | 0.00043 | 0.00096 |

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWC-10 | DGWC-12 | DGWC-14 | DGWC-15 | DGWC-17 |
|------------|-----------|------------|------------|------------|-------------|-------------|
| 8/31/2016 | | <0.003 | | <0.003 | | |
| 9/1/2016 | | | <0.003 | | | |
| 9/6/2016 | | | | | <0.003 | |
| 9/7/2016 | | | | | | <0.003 |
| 12/6/2016 | | <0.003 | | <0.003 | | |
| 12/7/2016 | | | <0.003 | | <0.003 | |
| 12/8/2016 | | | | | | <0.003 |
| 3/29/2017 | | <0.003 | <0.003 | <0.003 | | |
| 3/30/2017 | | | | | <0.003 | <0.003 |
| 7/12/2017 | | <0.003 | <0.003 | <0.003 | <0.003 | <0.003 |
| 10/24/2017 | | <0.003 | | | | |
| 10/25/2017 | | | <0.003 | <0.003 | <0.003 | <0.003 |
| 2/27/2018 | | <0.003 | <0.003 | <0.003 | | |
| 2/28/2018 | | | | | <0.003 | <0.003 |
| 7/11/2018 | | | <0.003 | <0.003 | <0.003 | <0.003 |
| 11/6/2018 | | <0.003 | | | | |
| 11/7/2018 | | | <0.003 | <0.003 | <0.003 | <0.003 |
| 8/27/2019 | | <0.003 | <0.003 | <0.003 | | <0.003 |
| 8/28/2019 | | | | | 0.00033 (J) | |
| 9/17/2019 | | | <0.003 | | | |
| 10/15/2019 | | <0.003 | <0.003 | | | |
| 10/16/2019 | | | | <0.003 | | |
| 10/17/2019 | | | | | <0.003 | |
| 10/18/2019 | | | | | | <0.003 |
| 3/2/2020 | | | 0.0003 (J) | | | |
| 3/3/2020 | | <0.003 | | <0.003 | <0.003 | |
| 3/4/2020 | | | | | | <0.003 |
| 8/11/2020 | | <0.003 | <0.003 | <0.003 | | |
| 8/13/2020 | | | | | 0.00073 (J) | |
| 8/14/2020 | | | | | | <0.003 |
| 9/22/2020 | | | <0.003 | 0.0011 (J) | | |
| 9/23/2020 | | | | | <0.003 | |
| 9/24/2020 | | <0.003 | | | | 0.00045 (J) |
| 3/2/2021 | | | | <0.003 | <0.003 | |
| 3/3/2021 | | | <0.003 | | | <0.003 |
| 3/4/2021 | | <0.003 | | | | |
| 9/9/2021 | | | <0.003 | <0.003 | <0.003 | |
| 9/10/2021 | | <0.003 | | | | |
| 9/13/2021 | | | | | | <0.003 |
| 9/15/2021 | <0.003 | | | | | |
| 1/24/2022 | | | | | <0.003 | <0.003 |
| 1/25/2022 | | | <0.003 | <0.003 | | |
| 1/26/2022 | <0.003 | 0.0021 (J) | | | | |
| 9/13/2022 | <0.003 | | | <0.003 | <0.003 | |
| 9/14/2022 | | | | | | <0.003 |
| 9/15/2022 | | <0.003 | <0.003 | | | |
| 1/31/2023 | 0.001 (J) | | | | | |
| 2/1/2023 | | | | 0.001 (J) | | |
| 2/2/2023 | | <0.003 | | | <0.003 | |
| 2/6/2023 | | | <0.003 | | | <0.003 |
| 9/6/2023 | <0.003 | | | | | |
| 9/8/2023 | | | | <0.003 | <0.003 | |

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWC-10 | DGWC-12 | DGWC-14 | DGWC-15 | DGWC-17 |
|------------|-----------|-----------|-----------|-----------|-----------|----------|
| 9/11/2023 | | <0.003 | <0.003 | | | |
| 9/13/2023 | | | | | | <0.003 |
| Mean | 0.0026 | 0.00295 | 0.002865 | 0.002795 | 0.00274 | 0.002866 |
| Std. Dev. | 0.0008944 | 0.0002121 | 0.0006037 | 0.0006151 | 0.0007816 | 0.000585 |
| Upper Lim. | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| Lower Lim. | 0.001 | 0.0021 | 0.0003 | 0.0011 | 0.00073 | 0.00045 |

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-19 | DGWC-2 | DGWC-20 | DGWC-21 | DGWC-23 | DGWC-4 |
|------------|-------------|------------|---------|------------|------------|-------------|
| 9/1/2016 | <0.003 | | | | | |
| 9/2/2016 | | | <0.003 | <0.003 | | |
| 12/7/2016 | <0.003 | | <0.003 | | | |
| 12/8/2016 | | | | <0.003 | | |
| 3/28/2017 | | | | | | <0.003 |
| 3/29/2017 | <0.003 | | <0.003 | | | |
| 3/30/2017 | | <0.003 | | <0.003 | <0.003 | |
| 5/11/2017 | | <0.003 | | | | |
| 5/12/2017 | | | | | <0.003 | <0.003 |
| 6/15/2017 | | 0.0006 (J) | | | 0.0007 (J) | 0.0008 (J) |
| 7/11/2017 | | <0.003 | | | | <0.003 |
| 7/12/2017 | <0.003 | | <0.003 | <0.003 | <0.003 | |
| 10/24/2017 | | <0.003 | | | | <0.003 |
| 10/25/2017 | <0.003 | | <0.003 | <0.003 | | |
| 10/26/2017 | | | | | <0.003 | |
| 2/27/2018 | | <0.003 | | | | <0.003 |
| 2/28/2018 | <0.003 | | <0.003 | <0.003 | | |
| 3/1/2018 | | | | | <0.003 | |
| 7/11/2018 | <0.003 | <0.003 | <0.003 | 0.0013 (J) | | |
| 7/12/2018 | | | | | <0.003 | |
| 11/6/2018 | | <0.003 | | | | <0.003 |
| 11/7/2018 | <0.003 | | <0.003 | <0.003 | | |
| 11/8/2018 | | | | | <0.003 | |
| 8/27/2019 | | <0.003 | | | | <0.003 |
| 8/28/2019 | <0.003 | | | | | |
| 8/29/2019 | | | <0.003 | <0.003 | <0.003 | |
| 10/15/2019 | | | | | | <0.003 |
| 10/16/2019 | <0.003 | | | | | |
| 10/17/2019 | | <0.003 | <0.003 | <0.003 | | |
| 10/18/2019 | | | | | <0.003 | |
| 3/2/2020 | | | | | | 0.00058 (J) |
| 3/3/2020 | <0.003 | <0.003 | | <0.003 | | |
| 3/4/2020 | | | <0.003 | | <0.003 | |
| 8/11/2020 | <0.003 | <0.003 | | | | |
| 8/12/2020 | | | | | | <0.003 |
| 8/13/2020 | | | <0.003 | | <0.003 | |
| 8/14/2020 | | | | <0.003 | | |
| 9/22/2020 | 0.00036 (J) | | <0.003 | | | <0.003 |
| 9/23/2020 | | <0.003 | | | | |
| 9/24/2020 | | | | <0.003 | <0.003 | |
| 3/1/2021 | | | | | | 0.00049 (J) |
| 3/2/2021 | <0.003 | <0.003 | <0.003 | | | |
| 3/3/2021 | | | | <0.003 | <0.003 | |
| 9/9/2021 | <0.003 | <0.003 | | <0.003 | <0.003 | |
| 9/10/2021 | | | <0.003 | | | <0.003 |
| 1/20/2022 | | <0.003 | | <0.003 | <0.003 | |
| 1/21/2022 | | | <0.003 | | | |
| 1/24/2022 | | | | | | <0.003 |
| 1/25/2022 | <0.003 | | | | | |
| 9/14/2022 | <0.003 | | | | | |
| 9/15/2022 | | | <0.003 | <0.003 | | |
| 9/19/2022 | | | | | | <0.003 |

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-19 | DGWC-2 | DGWC-20 | DGWC-21 | DGWC-23 | DGWC-4 |
|------------|------------|-----------|------------|----------|-----------|-----------|
| 9/20/2022 | | <0.003 | | | <0.003 | |
| 2/3/2023 | | | | | | <0.003 |
| 2/6/2023 | <0.003 | <0.003 | | | <0.003 | |
| 2/7/2023 | | | <0.003 | <0.003 | | |
| 9/8/2023 | 0.0013 (J) | | | | | |
| 9/11/2023 | | | 0.0018 (J) | <0.003 | <0.003 | |
| 9/13/2023 | | <0.003 | | | | <0.003 |
| Mean | 0.002772 | 0.002874 | 0.002937 | 0.002911 | 0.002879 | 0.002604 |
| Std. Dev. | 0.0007019 | 0.0005506 | 0.0002753 | 0.00039 | 0.0005277 | 0.0009131 |
| Upper Lim. | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| Lower Lim. | 0.0013 | 0.0006 | 0.0018 | 0.0013 | 0.0007 | 0.0008 |

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-47 | DGWC-48 | DGWC-5 | DGWC-8 |
|------------|------------|-------------|-------------|-------------|
| 8/30/2016 | | | | <0.003 |
| 8/31/2016 | | | <0.003 | |
| 9/1/2016 | <0.003 | <0.003 | | |
| 12/6/2016 | | | <0.003 | <0.003 |
| 12/8/2016 | <0.003 | <0.003 | | |
| 3/28/2017 | | | <0.003 | |
| 3/29/2017 | | | | <0.003 |
| 3/30/2017 | | <0.003 | | |
| 3/31/2017 | <0.003 | | | |
| 7/11/2017 | | | <0.003 | <0.003 |
| 7/13/2017 | <0.003 | <0.003 | | |
| 10/24/2017 | | | | <0.003 |
| 10/25/2017 | | | <0.003 | |
| 10/26/2017 | <0.003 | <0.003 | | |
| 2/27/2018 | | | <0.003 | <0.003 |
| 3/1/2018 | <0.003 | | | |
| 3/2/2018 | | <0.003 | | |
| 7/12/2018 | <0.003 | <0.003 | | |
| 11/6/2018 | | | <0.003 | <0.003 |
| 11/7/2018 | <0.003 | <0.003 | | |
| 8/27/2019 | | | <0.003 | |
| 8/28/2019 | | | | <0.003 |
| 8/29/2019 | <0.003 | <0.003 | | |
| 10/16/2019 | | | <0.003 | <0.003 |
| 10/17/2019 | <0.003 | | | |
| 10/18/2019 | | <0.003 | | |
| 3/2/2020 | | | 0.00032 (J) | |
| 3/3/2020 | | | | <0.003 |
| 3/4/2020 | <0.003 | <0.003 | | |
| 8/12/2020 | <0.003 | | <0.003 | <0.003 |
| 8/13/2020 | | <0.003 | | |
| 9/22/2020 | | | <0.003 | |
| 9/23/2020 | 0.0012 (J) | 0.00039 (J) | | <0.003 |
| 3/2/2021 | | | 0.0015 (J) | 0.00046 (J) |
| 3/3/2021 | <0.003 | <0.003 | | |
| 9/10/2021 | <0.003 | 0.0018 (J) | <0.003 | |
| 9/13/2021 | | | | <0.003 |
| 1/21/2022 | <0.003 | | | |
| 1/24/2022 | | <0.003 | <0.003 | |
| 1/25/2022 | | | | <0.003 |
| 9/13/2022 | <0.003 | <0.003 | | |
| 9/14/2022 | | | <0.003 | |
| 9/15/2022 | | | | <0.003 |
| 2/3/2023 | <0.003 | <0.003 | | |
| 2/7/2023 | | | <0.003 | <0.003 |
| 9/12/2023 | <0.003 | | | <0.003 |
| 9/13/2023 | | <0.003 | <0.003 | |
| Mean | 0.002905 | 0.002799 | 0.002768 | 0.002859 |
| Std. Dev. | 0.0004129 | 0.000645 | 0.0007055 | 0.0005987 |
| Upper Lim. | 0.003 | 0.003 | 0.003 | 0.003 |
| Lower Lim. | 0.0012 | 0.0018 | 0.0015 | 0.00046 |

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-101D | B-104D | B-111D | B-120D | B-56 | B-62 |
|------------|------------|------------|------------|------------|------------|------------|
| 1/30/2019 | | | | | | <0.005 |
| 9/11/2019 | | | | | | <0.005 |
| 10/21/2019 | | | | | | <0.005 |
| 8/13/2020 | | | | | | <0.005 |
| 8/17/2020 | | | | | 0.0032 (J) | |
| 9/24/2020 | | | | | | <0.005 |
| 9/28/2020 | | | | | 0.0047 (J) | |
| 12/9/2020 | | <0.005 | <0.005 | | | |
| 1/12/2021 | <0.005 | <0.005 | <0.005 | | | |
| 3/3/2021 | | | | | 0.003 (J) | |
| 3/4/2021 | | 0.0025 (J) | | | | |
| 3/5/2021 | 0.0017 (J) | | 0.0023 (J) | | | |
| 3/12/2021 | | | | | | <0.005 |
| 4/15/2021 | | | | <0.005 | | |
| 9/9/2021 | | | | | | <0.005 |
| 9/13/2021 | <0.005 | | | | 0.0031 (J) | |
| 9/14/2021 | | 0.0019 (J) | 0.0029 (J) | <0.005 | | |
| 1/20/2022 | | | | 0.0016 (J) | | 0.0033 (J) |
| 1/24/2022 | | 0.0035 (J) | 0.0022 (J) | | | |
| 1/26/2022 | <0.005 | | | | | |
| 1/27/2022 | | | | | 0.0045 (J) | |
| 9/8/2022 | | | | | | <0.005 |
| 9/13/2022 | | <0.005 | | | | |
| 9/14/2022 | | | <0.005 | | | |
| 9/16/2022 | <0.005 | | | | <0.005 | |
| 9/19/2022 | | | | <0.005 | | |
| 2/2/2023 | | | | | | <0.005 |
| 2/3/2023 | <0.005 | <0.005 | | <0.005 | | |
| 2/7/2023 | | | <0.005 | | 0.005 (J) | |
| 9/7/2023 | | | | | | <0.005 |
| 9/8/2023 | <0.005 | | | | 0.0043 (J) | |
| 9/12/2023 | | | | <0.005 | | |
| 9/13/2023 | | <0.005 | <0.005 | | | |
| Mean | 0.004529 | 0.004112 | 0.00405 | 0.004433 | 0.003787 | 0.004845 |
| Std. Dev. | 0.001247 | 0.001299 | 0.001327 | 0.001388 | 0.0009387 | 0.0005126 |
| Upper Lim. | 0.005 | 0.005 | 0.005 | 0.005 | 0.004783 | 0.005 |
| Lower Lim. | 0.0017 | 0.0019 | 0.0022 | 0.0016 | 0.002792 | 0.005 |

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-77 | B-82 | B-83 | B-92 | B-93 |
|------------|------------|------------|------------|------------|------------|------------|
| 1/28/2019 | <0.005 | | | | | |
| 9/11/2019 | <0.005 | | | | | |
| 9/18/2019 | | <0.005 | | | | |
| 9/23/2019 | | | <0.005 | | | |
| 10/21/2019 | | | <0.005 | <0.005 | | |
| 10/22/2019 | <0.005 | | | | | |
| 10/24/2019 | | 0.0029 (J) | | | | |
| 8/13/2020 | | 0.002 (J) | | | | |
| 8/14/2020 | | | | <0.005 | | |
| 8/17/2020 | | | <0.005 | | | |
| 8/19/2020 | | | | | | 0.0013 (J) |
| 9/24/2020 | | 0.0025 (J) | | | | |
| 9/25/2020 | | | | <0.005 | | |
| 9/28/2020 | | | <0.005 | | | 0.0027 (J) |
| 3/4/2021 | | 0.002 (J) | | <0.005 | | |
| 3/9/2021 | | | | | | <0.005 |
| 3/12/2021 | | | <0.005 | | | |
| 9/14/2021 | <0.005 | <0.005 | <0.005 | | | |
| 9/15/2021 | | | | | 0.0012 (J) | <0.005 |
| 9/16/2021 | | | | <0.005 | | |
| 1/20/2022 | 0.0022 (J) | 0.003 (J) | | | | |
| 1/21/2022 | | | | 0.0014 (J) | | |
| 1/25/2022 | | | 0.003 (J) | | | |
| 1/26/2022 | | | | | 0.0015 (J) | 0.002 (J) |
| 9/12/2022 | | | | | <0.005 | <0.005 |
| 9/13/2022 | | <0.005 | | <0.005 | | |
| 9/14/2022 | <0.005 | | | | | |
| 9/16/2022 | | | <0.005 (D) | | | |
| 1/31/2023 | | | | | 0.0023 (J) | 0.0028 (J) |
| 2/2/2023 | <0.005 | | | | | |
| 2/3/2023 | | | | <0.005 | | |
| 2/6/2023 | | <0.005 | | | | |
| 2/7/2023 | | | 0.004 (J) | | | |
| 9/6/2023 | | | | | <0.005 | <0.005 |
| 9/7/2023 | <0.005 | | | | | |
| 9/11/2023 | | | <0.005 | | | |
| 9/12/2023 | | <0.005 | | <0.005 | | |
| Mean | 0.00465 | 0.00374 | 0.0047 | 0.0046 | 0.003 | 0.0036 |
| Std. Dev. | 0.0009899 | 0.001366 | 0.0006749 | 0.0012 | 0.001869 | 0.001565 |
| Upper Lim. | 0.005 | 0.005 | 0.005 | 0.005 | 0.002445 | 0.005 |
| Lower Lim. | 0.0022 | 0.002 | 0.004 | 0.0014 | 0.0008887 | 0.0013 |

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-97 | DGWC-10 | DGWC-12 | DGWC-14 | DGWC-15 | DGWC-17 |
|------------|------------|------------|-------------|-------------|-------------|-------------|
| 8/31/2016 | | 0.0058 | | <0.005 | | |
| 9/1/2016 | | | <0.005 | | | |
| 9/6/2016 | | | | | <0.005 | |
| 9/7/2016 | | | | | | <0.005 |
| 12/6/2016 | | 0.0017 (J) | | <0.005 | | |
| 12/7/2016 | | | <0.005 | | <0.005 | |
| 12/8/2016 | | | | | | <0.005 |
| 3/29/2017 | | 0.0055 | <0.005 | <0.005 | | |
| 3/30/2017 | | | | | 0.0006 (J) | 0.0008 (J) |
| 7/12/2017 | | 0.0042 (J) | <0.005 | <0.005 | <0.005 | <0.005 |
| 10/24/2017 | | 0.0058 | | | | |
| 10/25/2017 | | | 0.0006 (J) | <0.005 | <0.005 | 0.0007 (J) |
| 2/27/2018 | | 0.0105 | <0.005 | <0.005 | | |
| 2/28/2018 | | | | | <0.005 | 0.00073 (J) |
| 7/11/2018 | | | <0.005 | <0.005 | <0.005 | <0.005 |
| 11/6/2018 | | <0.005 (J) | | | | |
| 11/7/2018 | | | <0.005 | <0.005 | <0.005 | <0.005 |
| 8/27/2019 | | 0.0024 (J) | <0.005 | <0.005 | | <0.005 |
| 8/28/2019 | | | | | <0.005 | |
| 9/17/2019 | | | <0.005 | | | |
| 10/15/2019 | | 0.0078 | 0.00063 (J) | | | |
| 10/16/2019 | | | | 0.00039 (J) | | |
| 10/17/2019 | | | | | 0.00064 (J) | |
| 10/18/2019 | | | | | | 0.0012 (J) |
| 3/2/2020 | | | <0.005 | | | |
| 3/3/2020 | | 0.0025 (J) | | <0.005 | <0.005 | |
| 3/4/2020 | | | | | | 0.0014 (J) |
| 8/11/2020 | | 0.0028 (J) | <0.005 | <0.005 | | |
| 8/13/2020 | | | | | 0.0013 (J) | |
| 8/14/2020 | | | | | | <0.005 |
| 9/22/2020 | | | <0.005 | <0.005 | | |
| 9/23/2020 | | | | | <0.005 | |
| 9/24/2020 | | 0.0078 | | | | 0.0011 (J) |
| 3/2/2021 | | | | <0.005 | <0.005 | |
| 3/3/2021 | | | <0.005 | | | <0.005 |
| 3/4/2021 | | 0.006 | | | | |
| 9/9/2021 | | | <0.005 | <0.005 | <0.005 | |
| 9/10/2021 | | 0.0076 | | | | |
| 9/13/2021 | | | | | | <0.005 |
| 9/15/2021 | <0.005 | | | | | |
| 1/24/2022 | | | | | <0.005 | 0.0014 (J) |
| 1/25/2022 | | | <0.005 | <0.005 | | |
| 1/26/2022 | 0.0014 (J) | 0.0043 (J) | | | | |
| 9/13/2022 | <0.005 | | | <0.005 | <0.005 | |
| 9/14/2022 | | | | | | <0.005 |
| 9/15/2022 | | 0.0024 (J) | <0.005 | | | |
| 2/1/2023 | <0.005 | | | <0.005 | | |
| 2/2/2023 | | 0.0036 (J) | | | <0.005 | |
| 2/6/2023 | | | <0.005 | | | <0.005 |
| 9/6/2023 | <0.005 | | | | | |
| 9/8/2023 | | | | <0.005 | <0.005 | |
| 9/11/2023 | | 0.0065 | <0.005 | | | |

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-97 | DGWC-10 | DGWC-12 | DGWC-14 | DGWC-15 | DGWC-17 |
|------------|---------|----------|----------|----------|----------|----------|
| 9/13/2023 | | | | | | <0.005 |
| Mean | 0.00428 | 0.004983 | 0.004561 | 0.004757 | 0.004344 | 0.003544 |
| Std. Dev. | 0.00161 | 0.002453 | 0.00135 | 0.001058 | 0.001561 | 0.001967 |
| Upper Lim. | 0.005 | 0.006468 | 0.005 | 0.005 | 0.005 | 0.005 |
| Lower Lim. | 0.0014 | 0.003499 | 0.00063 | 0.00039 | 0.0013 | 0.0011 |

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-19 | DGWC-2 | DGWC-20 | DGWC-22 | DGWC-4 | DGWC-42 |
|------------|-------------|-------------|------------|-----------|------------|------------|
| 9/1/2016 | 0.0022 (J) | | | | | |
| 9/2/2016 | | | 0.0159 | <0.005 | | |
| 9/7/2016 | | | | | | <0.005 |
| 12/7/2016 | <0.005 | | 0.0037 (J) | | | |
| 12/8/2016 | | | | <0.005 | | <0.005 |
| 3/28/2017 | | | | | 0.0005 (J) | |
| 3/29/2017 | 0.002 (J) | | 0.015 | <0.005 | | |
| 3/30/2017 | | <0.005 | | | | |
| 3/31/2017 | | | | | | 0.0007 (J) |
| 5/11/2017 | | <0.005 | | | | |
| 5/12/2017 | | | | | 0.0005 (J) | |
| 6/15/2017 | | <0.005 | | | <0.005 | |
| 7/11/2017 | | <0.005 | | | 0.0008 (J) | |
| 7/12/2017 | 0.0016 (J) | | 0.0121 | | | |
| 7/13/2017 | | | | <0.005 | | <0.005 |
| 10/24/2017 | | <0.005 | | | <0.005 | |
| 10/25/2017 | 0.0022 (J) | | 0.0135 | <0.005 | | <0.005 |
| 2/27/2018 | | <0.005 | | | <0.005 | |
| 2/28/2018 | 0.0028 (J) | | 0.0177 | 0.001 (J) | | 0.0011 (J) |
| 7/11/2018 | 0.0009 (J) | <0.005 | 0.0055 | | | <0.005 |
| 7/12/2018 | | | | <0.005 | | |
| 11/6/2018 | | <0.005 | | | <0.005 | |
| 11/7/2018 | <0.005 (J) | | 0.0054 | <0.005 | | <0.005 |
| 8/27/2019 | | 0.00099 (J) | | | <0.005 | |
| 8/28/2019 | 0.00049 (J) | | | | | <0.005 |
| 8/29/2019 | | | 0.0064 | <0.005 | | |
| 10/15/2019 | | | | | <0.005 | |
| 10/16/2019 | 0.00046 (J) | | | | | |
| 10/17/2019 | | <0.005 | 0.0094 | | | <0.005 |
| 10/18/2019 | | | | <0.005 | | |
| 3/2/2020 | | | | | <0.005 | |
| 3/3/2020 | <0.005 | 0.0025 (J) | | <0.005 | | |
| 3/4/2020 | | | 0.029 | | | <0.005 |
| 8/11/2020 | 0.0014 (J) | <0.005 | | | | |
| 8/12/2020 | | | | | <0.005 | |
| 8/13/2020 | | | 0.014 | | | <0.005 |
| 8/14/2020 | | | | <0.005 | | |
| 9/22/2020 | 0.0017 (J) | | 0.0063 | | <0.005 | <0.005 |
| 9/23/2020 | | <0.005 | | | | |
| 9/24/2020 | | | | <0.005 | | |
| 3/1/2021 | | | | | <0.005 | |
| 3/2/2021 | 0.0013 (J) | <0.005 | 0.019 | | | |
| 3/3/2021 | | | | <0.005 | | <0.005 |
| 9/9/2021 | 0.0027 (J) | <0.005 | | | | |
| 9/10/2021 | | | 0.0083 | <0.005 | <0.005 | |
| 9/13/2021 | | | | | | <0.005 |
| 1/20/2022 | | 0.0023 (J) | | <0.005 | | <0.005 |
| 1/21/2022 | | | 0.015 | | | |
| 1/24/2022 | | | | | 0.0011 (J) | |
| 1/25/2022 | 0.0014 (J) | | | | | |
| 9/13/2022 | | | | | | <0.005 |
| 9/14/2022 | <0.005 | | | | | |

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-19 | DGWC-2 | DGWC-20 | DGWC-22 | DGWC-4 | DGWC-42 |
|------------|----------|----------|----------|-----------|----------|----------|
| 9/15/2022 | | | 0.016 | | | |
| 9/16/2022 | | | | <0.005 | | |
| 9/19/2022 | | | | | <0.005 | |
| 9/20/2022 | | <0.005 | | | | |
| 2/1/2023 | | | | | | <0.005 |
| 2/3/2023 | | | | | <0.005 | |
| 2/6/2023 | <0.005 | <0.005 | | <0.005 | | |
| 2/7/2023 | | | 0.023 | | | |
| 9/8/2023 | <0.005 | | | | | |
| 9/11/2023 | | | 0.029 | <0.005 | | |
| 9/13/2023 | | <0.005 | | | <0.005 | <0.005 |
| Mean | 0.002692 | 0.004515 | 0.01391 | 0.004789 | 0.00405 | 0.004568 |
| Std. Dev. | 0.001723 | 0.001182 | 0.007476 | 0.0009177 | 0.001833 | 0.001294 |
| Upper Lim. | 0.005 | 0.005 | 0.01828 | 0.005 | 0.005 | 0.005 |
| Lower Lim. | 0.0013 | 0.0025 | 0.009528 | 0.001 | 0.0011 | 0.0011 |

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-47 | DGWC-48 | DGWC-5 | DGWC-8 | DGWC-9 |
|------------|-------------|-------------|------------|-------------|---------|
| 8/30/2016 | | | | <0.005 | 0.0241 |
| 8/31/2016 | | | 0.0035 (J) | | |
| 9/1/2016 | 0.0037 (J) | <0.005 | | | |
| 12/6/2016 | | | 0.0032 (J) | <0.005 | <0.005 |
| 12/8/2016 | 0.0032 (J) | <0.005 | | | |
| 3/28/2017 | | | 0.0385 | | 0.0243 |
| 3/29/2017 | | | | 0.001 (J) | |
| 3/30/2017 | | 0.0015 (J) | | | |
| 3/31/2017 | 0.0031 (J) | | | | |
| 7/11/2017 | | | 0.0203 | 0.0012 (J) | 0.0194 |
| 7/13/2017 | 0.0018 (J) | 0.0012 (J) | | | |
| 10/24/2017 | | | | 0.0015 (J) | 0.0249 |
| 10/25/2017 | | | 0.0119 | | |
| 10/26/2017 | 0.0016 (J) | 0.0008 (J) | | | |
| 2/27/2018 | | | 0.0094 | 0.002 (J) | 0.0405 |
| 3/1/2018 | 0.0029 (J) | | | | |
| 3/2/2018 | | 0.0017 (J) | | | |
| 7/11/2018 | | | | | 0.016 |
| 7/12/2018 | 0.0023 (J) | 0.0015 (J) | | | |
| 11/6/2018 | | | <0.005 | <0.005 | 0.017 |
| 11/7/2018 | <0.005 (J) | <0.005 | | | |
| 8/27/2019 | | | <0.005 | | 0.021 |
| 8/28/2019 | | | | <0.005 | |
| 8/29/2019 | 0.00089 (J) | <0.005 | | | |
| 10/16/2019 | | | 0.0036 (J) | <0.005 | |
| 10/17/2019 | 0.0013 (J) | | | | 0.033 |
| 10/18/2019 | | 0.00079 (J) | | | |
| 3/2/2020 | | | 0.0052 | | |
| 3/3/2020 | | | | 0.00096 (J) | 0.015 |
| 3/4/2020 | 0.0012 (J) | 0.0006 (J) | | | |
| 8/11/2020 | | | | | 0.022 |
| 8/12/2020 | 0.00081 (J) | | 0.002 (J) | <0.005 | |
| 8/13/2020 | | <0.005 | | | |
| 9/22/2020 | | | 0.0062 | | 0.04 |
| 9/23/2020 | <0.005 | <0.005 | | <0.005 | |
| 3/2/2021 | | | 0.0013 (J) | <0.005 | 0.021 |
| 3/3/2021 | <0.005 | <0.005 | | | |
| 9/10/2021 | 0.0016 (J) | <0.005 | 0.0031 (J) | | 0.031 |
| 9/13/2021 | | | | <0.005 | |
| 1/21/2022 | 0.0036 (J) | | | | |
| 1/24/2022 | | <0.005 | 0.0019 (J) | | |
| 1/25/2022 | | | | <0.005 | |
| 1/26/2022 | | | | | 0.012 |
| 9/13/2022 | <0.005 | <0.005 | | | |
| 9/14/2022 | | | 0.0038 (J) | | |
| 9/15/2022 | | | | <0.005 | |
| 9/19/2022 | | | | | 0.016 |
| 2/3/2023 | <0.005 | <0.005 | | | 0.014 |
| 2/7/2023 | | | 0.0036 (J) | <0.005 | |
| 9/12/2023 | <0.005 | | | <0.005 | |
| 9/13/2023 | | <0.005 | <0.005 | | |
| Mean | 0.003053 | 0.003584 | 0.007361 | 0.003981 | 0.02187 |

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-47 | DGWC-48 | DGWC-5 | DGWC-8 | DGWC-9 |
|------------|---------|----------|----------|----------|----------|
| Std. Dev. | 0.0016 | 0.001921 | 0.008981 | 0.001703 | 0.009656 |
| Upper Lim. | 0.005 | 0.005 | 0.007316 | 0.005 | 0.02771 |
| Lower Lim. | 0.0013 | 0.0012 | 0.002552 | 0.0015 | 0.01603 |

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-100 | B-101D | B-102D | B-104D | B-106D | B-107D |
|------------|---------|---------|----------|----------|----------|---------|
| 8/17/2020 | 0.015 | | | | | |
| 9/25/2020 | 0.022 | | | | | |
| 12/9/2020 | | | | 0.026 | | 0.13 |
| 12/17/2020 | | | 0.022 | | 0.022 | |
| 1/11/2021 | | | 0.024 | | | |
| 1/12/2021 | | 0.076 | | 0.022 | | |
| 3/4/2021 | | | 0.022 | 0.021 | 0.021 | 0.12 |
| 3/5/2021 | | 0.064 | | | | |
| 3/8/2021 | 0.022 | | | | | |
| 9/10/2021 | | | 0.02 | | | |
| 9/13/2021 | 0.021 | 0.076 | | | 0.02 | 0.087 |
| 9/14/2021 | | | | 0.021 | | |
| 1/21/2022 | 0.023 | | | | | |
| 1/24/2022 | | | | 0.024 | | 0.092 |
| 1/25/2022 | | | | | 0.02 | |
| 1/26/2022 | | 0.062 | | | | |
| 1/27/2022 | | | 0.022 | | | |
| 9/8/2022 | 0.021 | | | | | |
| 9/13/2022 | | | | 0.021 | | |
| 9/14/2022 | | | | | | 0.057 |
| 9/15/2022 | | | 0.019 | | | |
| 9/16/2022 | | 0.063 | | | 0.021 | |
| 2/2/2023 | 0.098 | | 0.02 | | | |
| 2/3/2023 | | 0.048 | | 0.017 | | |
| 2/6/2023 | | | | | | 0.049 |
| 2/7/2023 | | | | | 0.022 | |
| 9/6/2023 | 0.021 | | | | | |
| 9/8/2023 | | 0.075 | | | | |
| 9/11/2023 | | | 0.019 | | 0.023 | |
| 9/12/2023 | | | | | | 0.046 |
| 9/13/2023 | | | | 0.02 | | |
| Mean | 0.03038 | 0.06629 | 0.021 | 0.0215 | 0.02129 | 0.083 |
| Std. Dev. | 0.02743 | 0.01027 | 0.001773 | 0.002673 | 0.001113 | 0.03385 |
| Upper Lim. | 0.098 | 0.07849 | 0.02288 | 0.02433 | 0.02261 | 0.1232 |
| Lower Lim. | 0.015 | 0.05408 | 0.01912 | 0.01867 | 0.01996 | 0.04279 |

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-108D | B-111D | B-120D | B-56 | B-62 | B-63 |
|------------|---------|----------|----------|----------|----------|---------|
| 1/28/2019 | | | | | | 0.028 |
| 1/30/2019 | | | | | 0.018 | |
| 9/11/2019 | | | | | 0.023 | 0.021 |
| 10/21/2019 | | | | | 0.026 | |
| 10/22/2019 | | | | | | 0.021 |
| 8/13/2020 | | | | | 0.026 | |
| 8/17/2020 | | | | 0.03 | | |
| 9/24/2020 | | | | | 0.025 | |
| 9/28/2020 | | | | 0.026 | | |
| 12/9/2020 | 0.066 | 0.027 | | | | |
| 1/12/2021 | | 0.027 | | | | |
| 3/3/2021 | | | | 0.028 | | |
| 3/4/2021 | 0.06 | | | | | |
| 3/5/2021 | | 0.038 | | | | |
| 3/12/2021 | | | | | 0.027 | |
| 4/15/2021 | | | 0.044 | | | |
| 9/9/2021 | | | | | 0.021 | |
| 9/13/2021 | | | | 0.026 | | |
| 9/14/2021 | 0.06 | 0.043 | 0.031 | | | 0.026 |
| 1/20/2022 | | | 0.025 | | 0.021 | 0.02 |
| 1/24/2022 | 0.056 | 0.038 | | | | |
| 1/27/2022 | | | | 0.03 | | |
| 9/8/2022 | | | | | 0.018 | |
| 9/14/2022 | | 0.028 | | | | 0.032 |
| 9/15/2022 | 0.054 | | | | | |
| 9/16/2022 | | | | 0.028 | | |
| 9/19/2022 | | | 0.023 | | | |
| 2/2/2023 | | | | | 0.019 | 0.056 |
| 2/3/2023 | | | 0.021 | | | |
| 2/7/2023 | 0.051 | 0.028 | | 0.027 | | |
| 9/7/2023 | | | | | 0.015 | 0.025 |
| 9/8/2023 | | | | 0.028 | | |
| 9/12/2023 | | | 0.021 | | | |
| 9/13/2023 | 0.051 | 0.031 | | | | |
| Mean | 0.05686 | 0.0325 | 0.0275 | 0.02788 | 0.02173 | 0.02863 |
| Std. Dev. | 0.00549 | 0.006256 | 0.008894 | 0.001553 | 0.003977 | 0.01178 |
| Upper Lim. | 0.06338 | 0.043 | 0.03944 | 0.02952 | 0.02504 | 0.056 |
| Lower Lim. | 0.05034 | 0.027 | 0.01721 | 0.02623 | 0.01841 | 0.02 |

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 |
|------------|----------|---------|----------|----------|----------|----------|
| 1/30/2019 | 0.016 | | | | | |
| 9/12/2019 | 0.017 | | | | | |
| 9/18/2019 | | 0.086 | | | | |
| 9/23/2019 | | | 0.031 | | | |
| 10/21/2019 | 0.018 | | 0.03 | 0.034 | | |
| 10/24/2019 | | 0.1 | | | | |
| 8/13/2020 | | 0.11 | | | | |
| 8/14/2020 | | | | 0.056 | | |
| 8/17/2020 | | | 0.024 | | 0.022 | |
| 9/24/2020 | | 0.12 | | | | |
| 9/25/2020 | | | | 0.027 | 0.021 | |
| 9/28/2020 | | | 0.023 | | | |
| 3/4/2021 | | 0.11 | | 0.032 | | |
| 3/5/2021 | | | | | 0.022 | |
| 9/13/2021 | | | | | 0.016 | |
| 9/14/2021 | 0.018 | 0.12 | 0.022 | | | |
| 9/15/2021 | | | | | | 0.015 |
| 9/16/2021 | | | | 0.03 | | |
| 1/20/2022 | | 0.13 | | | | |
| 1/21/2022 | | | | 0.024 | | |
| 1/25/2022 | 0.021 | | 0.026 | | | |
| 1/26/2022 | | | | | | 0.016 |
| 1/27/2022 | | | | | 0.018 | |
| 9/12/2022 | | | | | | 0.017 |
| 9/13/2022 | | 0.089 | | 0.025 | | |
| 9/16/2022 | 0.02 | | 0.02 | | 0.016 | |
| 1/31/2023 | | | | | | 0.015 |
| 2/3/2023 | | | | 0.024 | | |
| 2/6/2023 | | 0.11 | | | | |
| 2/7/2023 | 0.023 | | 0.023 | | 0.017 | |
| 9/6/2023 | | | | | | 0.013 |
| 9/11/2023 | 0.028 | | 0.024 | | | |
| 9/12/2023 | | 0.12 | | 0.028 | 0.017 | |
| Mean | 0.02013 | 0.1095 | 0.02478 | 0.03111 | 0.01863 | 0.0152 |
| Std. Dev. | 0.003907 | 0.0142 | 0.003632 | 0.009968 | 0.002615 | 0.001483 |
| Upper Lim. | 0.02427 | 0.1222 | 0.02828 | 0.056 | 0.022 | 0.01769 |
| Lower Lim. | 0.01598 | 0.09683 | 0.02127 | 0.024 | 0.016 | 0.01271 |

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-93 | B-97 | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 |
|------------|-----------|-----------|----------|---------|---------|---------|
| 8/31/2016 | | | 0.0321 | 0.0545 | | |
| 9/1/2016 | | | | | 0.0254 | |
| 9/6/2016 | | | | | | 0.0297 |
| 12/6/2016 | | | 0.029 | 0.0564 | | |
| 12/7/2016 | | | | | 0.0241 | 0.0266 |
| 3/29/2017 | | | 0.0335 | 0.0565 | 0.0268 | |
| 3/30/2017 | | | | | | 0.0308 |
| 7/12/2017 | | | 0.0314 | 0.0572 | 0.0262 | 0.0291 |
| 10/24/2017 | | | 0.0317 | 0.0596 | | |
| 10/25/2017 | | | | | 0.0268 | |
| 11/15/2017 | | | | | | 0.0309 |
| 2/27/2018 | | | 0.028 | 0.0672 | 0.0255 | |
| 2/28/2018 | | | | | | <0.01 |
| 7/11/2018 | | | | | 0.026 | |
| 11/6/2018 | | | 0.025 | 0.074 | | |
| 11/7/2018 | | | | | 0.028 | 0.034 |
| 8/27/2019 | | | 0.021 | 0.071 | 0.024 | |
| 8/28/2019 | | | | | | 0.033 |
| 9/17/2019 | | | | | 0.02 | |
| 10/15/2019 | | | 0.024 | 0.064 | 0.02 | |
| 10/16/2019 | | | | | | 0.034 |
| 3/2/2020 | | | | 0.071 | 0.04 | |
| 3/3/2020 | | | 0.024 | | | 0.035 |
| 8/11/2020 | | | 0.024 | 0.064 | 0.028 | |
| 8/12/2020 | | | | | | 0.032 |
| 8/19/2020 | 0.018 | | | | | |
| 9/22/2020 | | | | 0.058 | 0.036 | |
| 9/23/2020 | | | | | | 0.03 |
| 9/24/2020 | | | 0.021 | | | |
| 9/28/2020 | 0.017 | | | | | |
| 3/2/2021 | | | | 0.052 | | 0.03 |
| 3/3/2021 | | | | | 0.035 | |
| 3/4/2021 | | | 0.025 | | | |
| 3/9/2021 | 0.016 (J) | | | | | |
| 9/9/2021 | | | | 0.054 | 0.04 | 0.027 |
| 9/10/2021 | | | 0.019 | | | |
| 9/15/2021 | 0.016 | 0.02 | | | | |
| 1/25/2022 | | | | 0.047 | 0.054 | 0.028 |
| 1/26/2022 | 0.021 | 0.02 | 0.022 | | | |
| 9/12/2022 | 0.015 | | | | | |
| 9/13/2022 | | 0.02 | | | | |
| 9/15/2022 | | | 0.018 | 0.047 | 0.035 | 0.027 |
| 1/31/2023 | 0.015 | | | | | |
| 2/1/2023 | | 0.021 | | | | 0.023 |
| 2/2/2023 | | | 0.02 | | | |
| 2/6/2023 | | | | 0.039 | 0.047 | |
| 9/6/2023 | 0.017 | 0.02 | | | | |
| 9/8/2023 | | | | 0.034 | | 0.022 |
| 9/11/2023 | | | 0.019 | | 0.058 | |
| Mean | 0.01688 | 0.0202 | 0.02487 | 0.05702 | 0.03229 | 0.02817 |
| Std. Dev. | 0.001959 | 0.0004472 | 0.004989 | 0.0108 | 0.01076 | 0.00679 |
| Upper Lim. | 0.01895 | 0.021 | 0.02789 | 0.06356 | 0.0375 | 0.0318 |

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-93 | B-97 | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 |
|------------|--------|------|---------|---------|---------|---------|
| Lower Lim. | 0.0148 | 0.02 | 0.02185 | 0.05048 | 0.02607 | 0.02575 |

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 | DGWC-2 | DGWC-20 |
|------------|---------|---------|---------|---------|--------|------------|
| 8/31/2016 | 0.0576 | | | | | |
| 9/1/2016 | | | | 0.0214 | | |
| 9/2/2016 | | | | | | 0.0097 (J) |
| 9/6/2016 | | 0.0497 | | | | |
| 9/7/2016 | | | 0.0694 | | | |
| 12/6/2016 | 0.0608 | | | | | |
| 12/7/2016 | | 0.0469 | | 0.0191 | | 0.0087 (J) |
| 12/8/2016 | | | 0.062 | | | |
| 3/29/2017 | 0.0693 | | | 0.0209 | | 0.0094 (J) |
| 3/30/2017 | | 0.0495 | 0.0615 | | 0.0232 | |
| 5/11/2017 | | | | | 0.0231 | |
| 6/15/2017 | | | | | 0.0223 | |
| 7/11/2017 | | | | | 0.0201 | |
| 7/12/2017 | 0.0585 | 0.0517 | 0.0532 | 0.0212 | | 0.0099 (J) |
| 10/24/2017 | | | | | 0.0206 | |
| 10/25/2017 | 0.0563 | 0.0474 | 0.0544 | 0.021 | | 0.0096 (J) |
| 2/27/2018 | 0.0591 | | | | 0.0207 | |
| 2/28/2018 | | 0.0455 | 0.0527 | 0.0213 | | <0.01 |
| 7/11/2018 | 0.061 | 0.05 | 0.053 | 0.023 | 0.022 | 0.01 |
| 11/6/2018 | | | | | 0.021 | |
| 11/7/2018 | 0.055 | 0.042 | 0.044 | 0.024 | | 0.011 |
| 8/27/2019 | 0.059 | | 0.05 | | 0.023 | |
| 8/28/2019 | | 0.047 | | 0.026 | | |
| 8/29/2019 | | | | | | 0.018 |
| 10/16/2019 | 0.059 | | | 0.024 | | |
| 10/17/2019 | | 0.046 | | | 0.022 | 0.015 |
| 10/18/2019 | | | 0.045 | | | |
| 3/3/2020 | 0.064 | 0.05 | | 0.028 | 0.022 | |
| 3/4/2020 | | | 0.044 | | | 0.017 |
| 8/11/2020 | 0.061 | | | 0.027 | 0.022 | |
| 8/13/2020 | | 0.06 | | | | 0.019 |
| 8/14/2020 | | | 0.046 | | | |
| 9/22/2020 | 0.06 | | | 0.026 | | 0.011 |
| 9/23/2020 | | 0.043 | | | 0.023 | |
| 9/24/2020 | | | 0.033 | | | |
| 3/2/2021 | 0.064 | 0.043 | | 0.026 | 0.023 | 0.021 |
| 3/3/2021 | | | 0.036 | | | |
| 9/9/2021 | 0.059 | 0.041 | | 0.025 | 0.022 | |
| 9/10/2021 | | | | | | 0.0098 |
| 9/13/2021 | | | 0.031 | | | |
| 1/20/2022 | | | | | 0.022 | |
| 1/21/2022 | | | | | | 0.018 |
| 1/24/2022 | | 0.041 | 0.031 | | | |
| 1/25/2022 | 0.064 | | | 0.026 | | |
| 9/13/2022 | 0.063 | 0.042 | | | | |
| 9/14/2022 | | | 0.031 | 0.027 | | |
| 9/15/2022 | | | | | | 0.017 |
| 9/20/2022 | | | | | 0.02 | |
| 2/1/2023 | 0.057 | | | | | |
| 2/2/2023 | | 0.039 | | | | |
| 2/6/2023 | | | 0.029 | 0.025 | 0.02 | |
| 2/7/2023 | | | | | | 0.019 |

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 | DGWC-2 | DGWC-20 |
|------------|----------|----------|---------|----------|----------|----------|
| 9/8/2023 | 0.057 | 0.035 | | 0.022 | | |
| 9/11/2023 | | | | | | 0.014 |
| 9/13/2023 | | | 0.031 | | 0.023 | |
| Mean | 0.06024 | 0.04577 | 0.04512 | 0.02389 | 0.02184 | 0.01327 |
| Std. Dev. | 0.003444 | 0.005575 | 0.01231 | 0.002596 | 0.001119 | 0.004573 |
| Upper Lim. | 0.06226 | 0.04904 | 0.05232 | 0.02541 | 0.023 | 0.01595 |
| Lower Lim. | 0.05823 | 0.04251 | 0.03791 | 0.02237 | 0.0206 | 0.01059 |

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-21 | DGWC-22 | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 |
|------------|---------|---------|---------|--------|---------|---------|
| 9/1/2016 | | | | | | 0.0162 |
| 9/2/2016 | 0.0252 | 0.0397 | | | | |
| 9/7/2016 | | | | | 0.0194 | |
| 12/8/2016 | 0.0262 | 0.0408 | | | 0.0189 | 0.0247 |
| 3/28/2017 | | | | 0.0363 | | |
| 3/29/2017 | | 0.0417 | | | | |
| 3/30/2017 | 0.0272 | | 0.0184 | | | |
| 3/31/2017 | | | | | 0.0194 | 0.0189 |
| 5/12/2017 | | | 0.0202 | 0.0337 | | |
| 6/15/2017 | | | 0.0188 | 0.03 | | |
| 7/11/2017 | | | | 0.0301 | | |
| 7/12/2017 | 0.0276 | | 0.0186 | | | |
| 7/13/2017 | | 0.0376 | | | 0.021 | 0.0165 |
| 10/24/2017 | | | | 0.0351 | | |
| 10/25/2017 | 0.0262 | 0.0384 | | | 0.0196 | |
| 10/26/2017 | | | 0.0176 | | | 0.0152 |
| 2/27/2018 | | | | 0.0364 | | |
| 2/28/2018 | 0.027 | 0.0353 | | | 0.0171 | |
| 3/1/2018 | | | 0.0164 | | | 0.0164 |
| 7/11/2018 | 0.027 | | | | 0.02 | |
| 7/12/2018 | | 0.036 | 0.022 | | | 0.015 |
| 11/6/2018 | | | | 0.035 | | |
| 11/7/2018 | 0.024 | 0.031 | | | 0.017 | 0.02 |
| 11/8/2018 | | | 0.022 | | | |
| 8/27/2019 | | | | 0.036 | | |
| 8/28/2019 | | | | | 0.018 | |
| 8/29/2019 | 0.027 | 0.031 | 0.025 | | | 0.018 |
| 10/15/2019 | | | | 0.033 | | |
| 10/17/2019 | 0.027 | | | | 0.018 | 0.019 |
| 10/18/2019 | | 0.032 | 0.019 | | | |
| 3/2/2020 | | | | 0.036 | | |
| 3/3/2020 | 0.027 | 0.035 | | | | |
| 3/4/2020 | | | 0.032 | | 0.015 | 0.017 |
| 8/12/2020 | | | | 0.036 | | 0.016 |
| 8/13/2020 | | | 0.027 | | 0.027 | |
| 8/14/2020 | 0.027 | 0.035 | | | | |
| 9/22/2020 | | | | 0.03 | 0.016 | |
| 9/23/2020 | | | | | | 0.014 |
| 9/24/2020 | 0.024 | 0.031 | 0.02 | | | |
| 3/1/2021 | | | | 0.039 | | |
| 3/3/2021 | 0.024 | 0.031 | 0.019 | | 0.015 | 0.02 |
| 9/9/2021 | 0.023 | | 0.021 | | | |
| 9/10/2021 | | 0.027 | | 0.032 | | 0.021 |
| 9/13/2021 | | | | | 0.014 | |
| 1/20/2022 | 0.024 | 0.029 | 0.024 | | 0.014 | |
| 1/21/2022 | | | | | | 0.017 |
| 1/24/2022 | | | | 0.035 | | |
| 9/13/2022 | | | | | 0.016 | 0.022 |
| 9/15/2022 | 0.024 | | | | | |
| 9/16/2022 | | 0.029 | | | | |
| 9/19/2022 | | | | 0.032 | | |
| 9/20/2022 | | | 0.019 | | | |

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-21 | DGWC-22 | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 |
|------------|---------|----------|----------|----------|----------|----------|
| 2/1/2023 | | | | | 0.015 | |
| 2/3/2023 | | | | 0.034 | | 0.019 |
| 2/6/2023 | | 0.027 | 0.023 | | | |
| 2/7/2023 | 0.024 | | | | | |
| 9/11/2023 | 0.024 | 0.029 | 0.022 | | | |
| 9/12/2023 | | | | | | 0.023 |
| 9/13/2023 | | | | 0.034 | 0.015 | |
| Mean | 0.02555 | 0.0335 | 0.02132 | 0.03409 | 0.01765 | 0.01836 |
| Std. Dev. | 0.00156 | 0.004632 | 0.003733 | 0.002514 | 0.003134 | 0.002888 |
| Upper Lim. | 0.027 | 0.03621 | 0.02331 | 0.03561 | 0.01933 | 0.02005 |
| Lower Lim. | 0.024 | 0.03079 | 0.01914 | 0.03257 | 0.01582 | 0.01667 |

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-48 | DGWC-5 | DGWC-8 | DGWC-9 |
|------------|-----------|------------|----------|------------|
| 8/30/2016 | | | 0.0435 | 0.0162 |
| 8/31/2016 | | 0.0266 (O) | | |
| 9/1/2016 | 0.0157 | | | |
| 12/6/2016 | | 0.0186 | 0.0431 | 0.0138 |
| 12/8/2016 | 0.0155 | | | |
| 3/28/2017 | | 0.0187 | | 0.017 |
| 3/29/2017 | | | 0.044 | |
| 3/30/2017 | 0.0131 | | | |
| 7/11/2017 | | 0.0174 (J) | 0.0389 | 0.0154 (J) |
| 7/13/2017 | 0.014 | | | |
| 10/24/2017 | | | 0.0369 | 0.0148 |
| 10/25/2017 | | 0.0175 | | |
| 10/26/2017 | 0.0117 | | | |
| 2/27/2018 | | 0.0172 | 0.0346 | 0.0148 |
| 3/2/2018 | 0.0131 | | | |
| 7/11/2018 | | | | 0.017 |
| 7/12/2018 | 0.013 | | | |
| 11/6/2018 | | 0.016 | 0.027 | 0.015 |
| 11/7/2018 | 0.014 | | | |
| 8/27/2019 | | 0.017 | | 0.016 |
| 8/28/2019 | | | 0.025 | |
| 8/29/2019 | 0.014 | | | |
| 10/16/2019 | | 0.02 | 0.027 | |
| 10/17/2019 | | | | 0.015 |
| 10/18/2019 | 0.014 | | | |
| 3/2/2020 | | 0.018 | | |
| 3/3/2020 | | | 0.026 | 0.016 |
| 3/4/2020 | 0.014 | | | |
| 8/11/2020 | | | | 0.016 |
| 8/12/2020 | | 0.017 | 0.034 | |
| 8/13/2020 | 0.013 | | | |
| 9/22/2020 | | 0.017 | | 0.015 |
| 9/23/2020 | 0.013 | | 0.025 | |
| 3/2/2021 | | 0.017 | 0.029 | 0.017 |
| 3/3/2021 | 0.014 | | | |
| 9/10/2021 | 0.013 | 0.015 | | 0.014 |
| 9/13/2021 | | | 0.019 | |
| 1/24/2022 | 0.014 | 0.018 | | |
| 1/25/2022 | | | 0.019 | |
| 1/26/2022 | | | | 0.016 |
| 9/13/2022 | 0.014 | | | |
| 9/14/2022 | | 0.018 | | |
| 9/15/2022 | | | 0.021 | |
| 9/19/2022 | | | | 0.017 |
| 2/3/2023 | 0.013 | | | 0.019 |
| 2/7/2023 | | 0.019 | 0.025 | |
| 9/12/2023 | | | 0.021 | |
| 9/13/2023 | 0.015 | 0.016 | | |
| Mean | 0.01374 | 0.01749 | 0.02994 | 0.01583 |
| Std. Dev. | 0.0009657 | 0.001218 | 0.008498 | 0.001275 |
| Upper Lim. | 0.015 | 0.01826 | 0.03509 | 0.0166 |
| Lower Lim. | 0.013 | 0.01673 | 0.0248 | 0.01506 |

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-100 | B-101D | B-102D | B-104D | B-106D | B-107D |
|------------|-------------|-------------|------------|------------|-------------|-----------|
| 8/17/2020 | 0.0004 (J) | | | | | |
| 9/25/2020 | 0.00035 (J) | | | | | |
| 12/9/2020 | | | | 0.0013 (J) | | <0.0005 |
| 12/17/2020 | | | 0.0014 (J) | | 0.00012 (J) | |
| 1/11/2021 | | | 0.0013 (J) | | | |
| 1/12/2021 | | 6.6E-05 (J) | | 0.0015 (J) | | |
| 3/4/2021 | | | 0.0012 | 0.0015 | 0.00013 (J) | 5E-05 (J) |
| 3/5/2021 | | 4.7E-05 (J) | | | | |
| 3/8/2021 | 0.00046 (J) | | | | | |
| 9/10/2021 | | | 0.0011 | | | |
| 9/13/2021 | 0.00053 | 6.7E-05 (J) | | | 0.00013 (J) | <0.0005 |
| 9/14/2021 | | | | 0.0011 | | |
| 1/21/2022 | 0.00053 | | | | | |
| 1/24/2022 | | | | 0.0012 | | <0.0005 |
| 1/25/2022 | | | | | 0.00011 (J) | |
| 1/26/2022 | | 7.9E-05 (J) | | | | |
| 1/27/2022 | | | 0.0011 | | | |
| 9/8/2022 | 0.00058 | | | | | |
| 9/13/2022 | | | | 0.0014 | | |
| 9/14/2022 | | | | | | <0.0005 |
| 9/15/2022 | | | 0.001 | | | |
| 9/16/2022 | | 6.7E-05 (J) | | | 0.00011 (J) | |
| 2/2/2023 | <0.0005 | | 0.00091 | | | |
| 2/3/2023 | | 6.3E-05 (J) | | 0.0016 | | |
| 2/6/2023 | | | | | | <0.0005 |
| 2/7/2023 | | | | | 8.4E-05 (J) | |
| 9/6/2023 | 0.00054 | | | | | |
| 9/8/2023 | | <0.0005 | | | | |
| 9/11/2023 | | | 0.00074 | | 6.6E-05 (J) | |
| 9/12/2023 | | | | | | <0.0005 |
| 9/13/2023 | | | | 0.0016 | | |
| Mean | 0.000455 | 9.129E-05 | 0.001094 | 0.0014 | 0.0001071 | 0.0004357 |
| Std. Dev. | 0.0001135 | 7.062E-05 | 0.0002123 | 0.0001852 | 2.4E-05 | 0.0001701 |
| Upper Lim. | 0.0005753 | 0.00025 | 0.001319 | 0.001596 | 0.0001356 | 0.0005 |
| Lower Lim. | 0.0003347 | 4.7E-05 | 0.0008688 | 0.001204 | 7.864E-05 | 5E-05 |

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-120D | B-56 | B-62 | B-63 | B-77 | B-82 |
|------------|-----------|------------|-------------|-------------|-------------|------------|
| 10/6/2016 | | | 9E-05 (J) | | | |
| 10/7/2016 | | | | 0.0004 (J) | | |
| 2/19/2018 | | | | 0.00049 (J) | | |
| 1/28/2019 | | | | <0.003 | | |
| 1/30/2019 | | | <0.0025 | | | |
| 9/11/2019 | | | 0.00012 (J) | 0.00035 (J) | | |
| 9/18/2019 | | | | | 0.00011 (J) | |
| 9/23/2019 | | | | | | 0.0015 (J) |
| 10/21/2019 | | | 7.8E-05 (J) | | | 0.0011 (J) |
| 10/22/2019 | | | | 0.0003 (J) | | |
| 10/24/2019 | | | | | <0.0005 | |
| 8/13/2020 | | | 0.00011 (J) | | 0.00014 (J) | |
| 8/17/2020 | | 0.0013 (J) | | | | 0.0014 (J) |
| 9/24/2020 | | | 0.00013 (J) | | 5.3E-05 (J) | |
| 9/28/2020 | | 0.0012 (J) | | | | 0.0015 (J) |
| 3/3/2021 | | 0.0011 | | | | |
| 3/4/2021 | | | | | 5.7E-05 (J) | |
| 3/12/2021 | | | <0.0025 | | | |
| 4/15/2021 | 0.00085 | | | | | |
| 9/9/2021 | | | 0.00014 (J) | | | |
| 9/13/2021 | | 0.0012 | | | | |
| 9/14/2021 | 0.00087 | | | 0.00042 (J) | <0.0005 | 0.0017 |
| 1/20/2022 | 0.0011 | | 0.00015 (J) | 0.00034 (J) | <0.0005 | |
| 1/25/2022 | | | | | | 0.0021 |
| 1/27/2022 | | 0.0012 | | | | |
| 9/8/2022 | | | 0.00013 (J) | | | |
| 9/13/2022 | | | | | 0.00013 (J) | |
| 9/14/2022 | | | | 0.00053 | | |
| 9/16/2022 | | 0.0013 | | | | 0.002 |
| 9/19/2022 | 0.0011 | | | | | |
| 2/2/2023 | | | 0.00012 (J) | 0.00028 (J) | | |
| 2/3/2023 | 0.001 | | | | | |
| 2/6/2023 | | | | | <0.0005 | |
| 2/7/2023 | | 0.0012 | | | | 0.0018 |
| 9/7/2023 | | | 0.00011 (J) | 0.0005 (J) | | |
| 9/8/2023 | | 0.0013 | | | | |
| 9/11/2023 | | | | | | 0.0017 |
| 9/12/2023 | 0.00066 | | | | <0.0005 | |
| Mean | 0.00093 | 0.001225 | 0.0005148 | 0.000511 | 0.000299 | 0.001644 |
| Std. Dev. | 0.0001706 | 7.071E-05 | 0.0009275 | 0.0003579 | 0.0002136 | 0.0003087 |
| Upper Lim. | 0.001164 | 0.0013 | 0.0025 | 0.00053 | 0.0005 | 0.001942 |
| Lower Lim. | 0.0006956 | 0.0011 | 9E-05 | 0.0003 | 5.7E-05 | 0.001346 |

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-83 | B-88 | B-92 | B-93 | B-97 | B-98 |
|------------|-------------|-------------|----------|----------|------------|-------------|
| 10/21/2019 | 0.00039 (J) | | | | | |
| 12/18/2019 | | | 0.022 | | | |
| 12/19/2019 | | | | 0.0069 | | |
| 2/17/2020 | | | | | <0.003 | <0.0005 |
| 2/27/2020 | | | | | 0.0019 (J) | <0.0005 |
| 8/14/2020 | 0.0007 (J) | | | | | |
| 8/17/2020 | | 0.0014 (J) | | | | |
| 8/19/2020 | | | | 0.015 | | |
| 9/25/2020 | 0.00028 (J) | 0.00063 (J) | | | | |
| 9/28/2020 | | | | 0.015 | | |
| 3/4/2021 | 0.00037 (J) | | | | | |
| 3/5/2021 | | 0.005 | | | | |
| 3/9/2021 | | | 0.017 | 0.017 | 0.0019 | |
| 3/15/2021 | | | | | | <0.0005 |
| 9/13/2021 | | 0.001 | | | | |
| 9/15/2021 | | | 0.014 | 0.015 | 0.0016 | 0.00087 |
| 9/16/2021 | 0.00028 (J) | | | | | |
| 1/21/2022 | 0.00039 (J) | | | | | |
| 1/26/2022 | | | 0.018 | 0.017 | 0.0017 | 6.8E-05 (J) |
| 1/27/2022 | | 0.0019 | | | | |
| 9/12/2022 | | | 0.017 | 0.017 | | |
| 9/13/2022 | 0.00044 (J) | | | | 0.0017 | 6.2E-05 (J) |
| 9/16/2022 | | 0.0013 | | | | |
| 1/31/2023 | | | 0.017 | 0.016 | | <0.0005 |
| 2/1/2023 | | | | | 0.0017 | |
| 2/3/2023 | 0.00038 (J) | | | | | |
| 2/7/2023 | | 0.0016 | | | | |
| 9/6/2023 | | | 0.013 | 0.014 | 0.0016 | <0.0005 |
| 9/12/2023 | 0.00038 (J) | 0.0014 | | | | |
| Mean | 0.0004011 | 0.001779 | 0.01686 | 0.01477 | 0.0017 | 0.0004375 |
| Std. Dev. | 0.0001236 | 0.001356 | 0.002911 | 0.003145 | 0.0001414 | 0.000263 |
| Upper Lim. | 0.0007 | 0.002793 | 0.02032 | 0.01693 | 0.00185 | 0.00087 |
| Lower Lim. | 0.00028 | 0.0007957 | 0.0134 | 0.01326 | 0.00155 | 6.2E-05 |

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 | DGWC-15 | DGWC-17 |
|------------|---------|-------------|-------------|-------------|-------------|-------------|
| 8/31/2016 | 0.0046 | <0.003 | | | | |
| 9/1/2016 | | | 0.0002 (J) | | | |
| 9/6/2016 | | | | <0.003 | <0.0005 | |
| 9/7/2016 | | | | | | 0.0006 (J) |
| 12/6/2016 | 0.0048 | <0.003 | | | | |
| 12/7/2016 | | | 0.0002 (J) | <0.003 | <0.0005 | |
| 12/8/2016 | | | | | | 0.0005 (J) |
| 3/29/2017 | 0.0048 | <0.003 | 0.0002 (J) | | | |
| 3/30/2017 | | | | 7E-05 (J) | <0.0005 | 0.0006 (J) |
| 7/12/2017 | 0.0046 | <0.003 | 0.0002 (J) | <0.003 | <0.0005 | 0.0005 (J) |
| 10/24/2017 | 0.0048 | <0.003 | | | | |
| 10/25/2017 | | | 0.0002 (J) | | <0.0005 | 0.0005 (J) |
| 11/15/2017 | | | | <0.003 | | |
| 2/27/2018 | 0.0106 | <0.003 | <0.0005 | | | |
| 2/28/2018 | | | | <0.003 | <0.0005 | <0.003 |
| 7/11/2018 | | | 0.0002 (J) | | <0.0005 | 0.00058 (J) |
| 11/6/2018 | 0.012 | <0.003 (J) | | | | |
| 11/7/2018 | | | <0.003 (J) | <0.003 (J) | <0.003 (J) | <0.003 |
| 8/27/2019 | 0.0092 | 0.00014 (J) | 0.00028 (J) | | | 0.00066 (J) |
| 8/28/2019 | | | | <0.003 | <0.0005 | |
| 9/17/2019 | | | 0.00049 (J) | | | |
| 10/15/2019 | 0.01 | 0.00012 (J) | 0.00016 (J) | | | |
| 10/16/2019 | | | | <0.003 | | |
| 10/17/2019 | | | | | <0.0005 | |
| 10/18/2019 | | | | | | 0.00071 (J) |
| 3/2/2020 | | 0.00016 (J) | 7.4E-05 (J) | | | |
| 3/3/2020 | 0.0085 | | | <0.003 | <0.0005 | |
| 3/4/2020 | | | | | | 0.00062 (J) |
| 8/11/2020 | 0.0066 | 0.00011 (J) | 0.00024 (J) | | | |
| 8/12/2020 | | | | 7.8E-05 (J) | | |
| 8/13/2020 | | | | | 0.00022 (J) | |
| 8/14/2020 | | | | | | 0.00064 (J) |
| 9/22/2020 | | 0.00015 (J) | 0.00017 (J) | | | |
| 9/23/2020 | | | | 6.8E-05 (J) | 5.8E-05 (J) | |
| 9/24/2020 | 0.0077 | | | | | 0.0006 (J) |
| 3/2/2021 | | 0.00014 (J) | | 7.3E-05 (J) | <0.0005 | |
| 3/3/2021 | | | 0.00011 (J) | | | 0.00056 |
| 3/4/2021 | 0.0086 | | | | | |
| 9/9/2021 | | 0.00013 (J) | 8.4E-05 (J) | 7E-05 (J) | <0.0005 | |
| 9/10/2021 | 0.0074 | | | | | |
| 9/13/2021 | | | | | | 0.00052 |
| 1/24/2022 | | | | | <0.0005 | 0.00059 |
| 1/25/2022 | | 0.00019 (J) | <0.0005 | 9.1E-05 (J) | | |
| 1/26/2022 | 0.0091 | | | | | |
| 9/13/2022 | | | | | <0.0005 | |
| 9/14/2022 | | | | | | 0.00058 |
| 9/15/2022 | 0.0063 | 0.00018 (J) | 0.00019 (J) | 8E-05 (J) | | |
| 2/1/2023 | | | | 6.7E-05 (J) | | |
| 2/2/2023 | 0.0066 | | | | <0.0005 | |
| 2/6/2023 | | 0.00019 (J) | 8.2E-05 (J) | | | 0.00051 |
| 9/8/2023 | | 0.0002 (J) | | 8.7E-05 (J) | <0.0005 | |
| 9/11/2023 | 0.0065 | | 7.7E-05 (J) | | | |

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 | DGWC-15 | DGWC-17 |
|------------|----------|----------|-----------|----------|-----------|-----------|
| 9/13/2023 | | | | | | 0.00057 |
| Mean | 0.007372 | 0.001262 | 0.0003579 | 0.001538 | 0.0005936 | 0.0006758 |
| Std. Dev. | 0.002253 | 0.001427 | 0.0006359 | 0.001504 | 0.0005943 | 0.0002959 |
| Upper Lim. | 0.008735 | 0.003 | 0.00028 | 0.003 | 0.003 | 0.00066 |
| Lower Lim. | 0.006009 | 0.00014 | 0.00011 | 7E-05 | 0.00022 | 0.00051 |

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-19 | DGWC-20 | DGWC-21 | DGWC-22 | DGWC-23 | DGWC-4 |
|------------|------------|------------|-------------|-------------|-------------|-------------|
| 9/1/2016 | 0.0019 (J) | | | | | |
| 9/2/2016 | | 0.0026 (J) | 0.0001 (J) | 0.0002 (J) | | |
| 12/7/2016 | 0.0021 (J) | 0.0035 | | | | |
| 12/8/2016 | | | 0.0001 (J) | 0.0001 (J) | | |
| 3/28/2017 | | | | | | 0.0002 (J) |
| 3/29/2017 | 0.0017 (J) | 0.0026 (J) | | 0.0002 (J) | | |
| 3/30/2017 | | | 0.0002 (J) | | 0.0004 (J) | |
| 5/12/2017 | | | | | 0.0004 (J) | 0.0002 (J) |
| 6/15/2017 | | | | | 0.0004 (J) | 0.0001 (J) |
| 7/11/2017 | | | | | | 0.0001 (J) |
| 7/12/2017 | 0.0018 (J) | 0.0025 (J) | 0.0001 (J) | | 0.0004 (J) | |
| 7/13/2017 | | | | 0.0002 (J) | | |
| 10/24/2017 | | | | | | 0.0002 (J) |
| 10/25/2017 | 0.0019 (J) | 0.0027 (J) | 0.0002 (J) | 0.0002 (J) | | |
| 10/26/2017 | | | | | 0.0004 (J) | |
| 2/27/2018 | | | | | | <0.003 |
| 2/28/2018 | <0.003 | <0.003 | <0.003 | <0.003 | | |
| 3/1/2018 | | | | | <0.003 | |
| 7/11/2018 | 0.002 (J) | 0.0026 (J) | 0.00016 (J) | | | |
| 7/12/2018 | | | | 0.00018 (J) | 0.00035 (J) | |
| 11/6/2018 | | | | | | <0.003 (J) |
| 11/7/2018 | <0.003 (J) | <0.003 (J) | <0.003 (J) | <0.003 (J) | | |
| 11/8/2018 | | | | <0.003 (J) | | |
| 8/27/2019 | | | | | | 0.00024 (J) |
| 8/28/2019 | 0.0018 (J) | | | | | |
| 8/29/2019 | | 0.005 | 0.00018 (J) | 0.00015 (J) | 0.00041 (J) | |
| 10/15/2019 | | | | | | 0.00022 (J) |
| 10/16/2019 | 0.0017 (J) | | | | | |
| 10/17/2019 | | 0.0041 | 0.00015 (J) | | | |
| 10/18/2019 | | | | 0.00014 (J) | 0.00038 (J) | |
| 3/2/2020 | | | | | | 0.00025 (J) |
| 3/3/2020 | 0.0021 (J) | | 0.00019 (J) | 0.00017 (J) | | |
| 3/4/2020 | | 0.0089 | | | 0.00077 (J) | |
| 8/11/2020 | 0.002 (J) | | | | | |
| 8/12/2020 | | | | | | 0.00024 (J) |
| 8/13/2020 | | 0.0063 | | | 0.00041 (J) | |
| 8/14/2020 | | | 0.0002 (J) | 0.00016 (J) | | |
| 9/22/2020 | 0.002 (J) | 0.0027 (J) | | | | 0.00019 (J) |
| 9/24/2020 | | | 0.00018 (J) | 0.00017 (J) | 0.00045 (J) | |
| 3/1/2021 | | | | | | 0.00027 (J) |
| 3/2/2021 | 0.0019 | 0.0057 | | | | |
| 3/3/2021 | | | 0.00017 (J) | 0.00013 (J) | 0.0005 | |
| 9/9/2021 | 0.0022 | | 0.00018 (J) | | 0.0005 (J) | |
| 9/10/2021 | | 0.0024 | | 0.00014 (J) | | 0.00028 (J) |
| 1/20/2022 | | | 0.00019 (J) | 0.00014 (J) | 0.00046 (J) | |
| 1/21/2022 | | 0.007 | | | | |
| 1/24/2022 | | | | | | 0.00033 (J) |
| 1/25/2022 | 0.0019 | | | | | |
| 9/14/2022 | 0.0018 | | | | | |
| 9/15/2022 | | 0.0056 | 0.00018 (J) | | | |
| 9/16/2022 | | | | 0.00023 (J) | | |
| 9/19/2022 | | | | | | 0.00034 (J) |

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-19 | DGWC-20 | DGWC-21 | DGWC-22 | DGWC-23 | DGWC-4 |
|------------|-----------|----------|-------------|-------------|-------------|-------------|
| 9/20/2022 | | | | | 0.00037 (J) | |
| 2/3/2023 | | | | | | 0.00033 (J) |
| 2/6/2023 | 0.0017 | | | 0.0001 (J) | 0.00038 (J) | |
| 2/7/2023 | | 0.0073 | 0.00016 (J) | | | |
| 9/8/2023 | 0.0015 | | | | | |
| 9/11/2023 | | 0.0067 | 0.00016 (J) | 0.00012 (J) | 0.00035 (J) | |
| 9/13/2023 | | | | | | 0.0004 (J) |
| Mean | 0.001842 | 0.004274 | 0.0003053 | 0.0003016 | 0.0005437 | 0.0003828 |
| Std. Dev. | 0.0002063 | 0.002215 | 0.0004223 | 0.0004238 | 0.0003494 | 0.0004137 |
| Upper Lim. | 0.001963 | 0.005571 | 0.0002 | 0.0002 | 0.0005 | 0.00034 |
| Lower Lim. | 0.001721 | 0.002976 | 0.00015 | 0.00013 | 0.00038 | 0.0002 |

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-42 | DGWC-47 | DGWC-48 | DGWC-5 | DGWC-8 | DGWC-9 |
|------------|------------|---------|---------|--------|------------|--------|
| 8/30/2016 | | | | | 0.0018 (J) | 0.0045 |
| 8/31/2016 | | | | 0.0054 | | |
| 9/1/2016 | | 0.0165 | 0.008 | | | |
| 9/7/2016 | 0.0021 (J) | | | | | |
| 12/6/2016 | | | | 0.0064 | 0.0034 | 0.005 |
| 12/8/2016 | 0.0023 (J) | 0.0116 | 0.0086 | | | |
| 3/28/2017 | | | | 0.0049 | | 0.0052 |
| 3/29/2017 | | | | | 0.0031 | |
| 3/30/2017 | | | 0.0106 | | | |
| 3/31/2017 | 0.0025 (J) | 0.0112 | | | | |
| 7/11/2017 | | | | 0.005 | 0.0022 (J) | 0.0048 |
| 7/13/2017 | 0.0025 (J) | 0.0098 | 0.0106 | | | |
| 10/24/2017 | | | | | 0.0042 | 0.0051 |
| 10/25/2017 | 0.0026 (J) | | | 0.0069 | | |
| 10/26/2017 | | 0.0119 | 0.0078 | | | |
| 2/27/2018 | | | | 0.0086 | 0.0047 | 0.0057 |
| 2/28/2018 | <0.003 | | | | | |
| 3/1/2018 | | 0.0146 | | | | |
| 3/2/2018 | | | 0.0096 | | | |
| 7/11/2018 | 0.0029 (J) | | | | | 0.0058 |
| 7/12/2018 | | 0.013 | 0.0086 | | | |
| 11/6/2018 | | | | 0.01 | <0.003 (J) | 0.006 |
| 11/7/2018 | 0.0031 | 0.014 | 0.0078 | | | |
| 8/27/2019 | | | | 0.01 | | 0.007 |
| 8/28/2019 | 0.0023 (J) | | | | 0.0021 (J) | |
| 8/29/2019 | | 0.011 | 0.0081 | | | |
| 10/16/2019 | | | | 0.0072 | 0.0019 (J) | |
| 10/17/2019 | 0.0027 (J) | 0.0093 | | | | 0.0063 |
| 10/18/2019 | | | 0.0099 | | | |
| 3/2/2020 | | | | 0.0098 | | |
| 3/3/2020 | | | | | 0.0018 (J) | 0.0048 |
| 3/4/2020 | 0.0029 (J) | 0.01 | 0.008 | | | |
| 8/11/2020 | | | | | | 0.0062 |
| 8/12/2020 | | 0.0068 | | 0.0081 | 0.0018 (J) | |
| 8/13/2020 | 0.0026 (J) | | 0.0071 | | | |
| 9/22/2020 | 0.0013 (J) | | | 0.0081 | | 0.0049 |
| 9/23/2020 | | 0.0069 | 0.0072 | | 0.0015 (J) | |
| 3/2/2021 | | | | 0.0063 | 0.0012 | 0.005 |
| 3/3/2021 | 0.0023 | 0.0081 | 0.0068 | | | |
| 9/10/2021 | | 0.009 | 0.007 | 0.0075 | | 0.0049 |
| 9/13/2021 | 0.0024 | | | | 0.0015 | |
| 1/20/2022 | 0.002 | | | | | |
| 1/21/2022 | | 0.01 | | | | |
| 1/24/2022 | | | 0.0069 | 0.0084 | | |
| 1/25/2022 | | | | | 0.0012 | |
| 1/26/2022 | | | | | | 0.0054 |
| 9/13/2022 | 0.0028 | 0.0094 | 0.0071 | | | |
| 9/14/2022 | | | | 0.01 | | |
| 9/15/2022 | | | | | 0.00088 | |
| 9/19/2022 | | | | | | 0.0047 |
| 2/1/2023 | 0.0022 | | | | | |
| 2/3/2023 | | 0.0087 | 0.0062 | | | 0.0046 |

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-42 | DGWC-47 | DGWC-48 | DGWC-5 | DGWC-8 | DGWC-9 |
|------------|----------|----------|----------|----------|----------|-----------|
| 2/7/2023 | | | | 0.0083 | 0.0007 | |
| 9/12/2023 | | 0.0081 | | | 0.0014 | |
| 9/13/2023 | 0.0024 | | 0.0065 | 0.0084 | | |
| Mean | 0.002389 | 0.01052 | 0.008021 | 0.007739 | 0.002049 | 0.005328 |
| Std. Dev. | 0.000452 | 0.002609 | 0.001331 | 0.001675 | 0.001105 | 0.0006918 |
| Upper Lim. | 0.002654 | 0.01205 | 0.0088 | 0.008753 | 0.002579 | 0.005746 |
| Lower Lim. | 0.002125 | 0.008993 | 0.007242 | 0.006725 | 0.001368 | 0.004909 |

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-100 | B-101D | B-102D | B-106D | B-120D | B-56 |
|------------|-------------|-------------|-------------|-------------|-----------|-------------|
| 8/17/2020 | 0.00059 (J) | | | | | 0.00029 (J) |
| 9/25/2020 | 0.00027 (J) | | | | | |
| 9/28/2020 | | | | | | 0.00024 (J) |
| 12/17/2020 | | | 0.00067 (J) | 0.0002 (J) | | |
| 1/11/2021 | | | 0.0008 (J) | | | |
| 1/12/2021 | | <0.0005 | | | | |
| 3/3/2021 | | | | | | 0.00026 (J) |
| 3/4/2021 | | | 0.00081 | 0.00021 (J) | | |
| 3/5/2021 | | <0.0005 | | | | |
| 3/8/2021 | 0.00027 (J) | | | | | |
| 4/15/2021 | | | | | 0.001 | |
| 9/10/2021 | | | 0.00083 | | | |
| 9/13/2021 | 0.00029 (J) | <0.0005 | | 0.00024 (J) | | 0.00028 (J) |
| 9/14/2021 | | | | | 0.0011 | |
| 1/20/2022 | | | | | 0.00098 | |
| 1/21/2022 | 0.00059 | | | | | |
| 1/25/2022 | | | | 0.00012 (J) | | |
| 1/26/2022 | | 0.00011 (J) | | | | |
| 1/27/2022 | | | 0.00091 | | | 0.00025 (J) |
| 9/8/2022 | 0.00027 (J) | | | | | |
| 9/15/2022 | | | 0.00091 | | | |
| 9/16/2022 | | <0.0005 | | <0.0005 | | 0.0003 (J) |
| 9/19/2022 | | | | | 0.0012 | |
| 2/2/2023 | <0.0005 | | 0.00087 | | | |
| 2/3/2023 | | <0.0005 | | | 0.0011 | |
| 2/7/2023 | | | | <0.0005 | | 0.00036 (J) |
| 9/6/2023 | 0.00035 (J) | | | | | |
| 9/8/2023 | | <0.0005 | | | | 0.00034 (J) |
| 9/11/2023 | | | 0.00072 | <0.0005 | | |
| 9/12/2023 | | | | | 0.001 | |
| Mean | 0.00036 | 0.0004443 | 0.000815 | 0.0003243 | 0.001063 | 0.00029 |
| Std. Dev. | 0.000145 | 0.0001474 | 8.586E-05 | 0.0001683 | 8.524E-05 | 4.243E-05 |
| Upper Lim. | 0.00059 | 0.0005 | 0.000906 | 0.000251 | 0.00118 | 0.000335 |
| Lower Lim. | 0.00025 | 0.00011 | 0.000724 | 0.0001375 | 0.0009462 | 0.000245 |

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-66 | B-82 | B-83 | B-88 | B-92 |
|------------|-------------|-------------|-------------|-------------|-------------|-----------|
| 1/28/2019 | <0.0005 | | | | | |
| 1/30/2019 | | <0.0005 | | | | |
| 9/11/2019 | <0.0005 | | | | | |
| 9/12/2019 | | <0.0005 | | | | |
| 9/23/2019 | | | 0.00044 (J) | | | |
| 10/21/2019 | | <0.0005 | 0.00035 (J) | 0.00041 (J) | | |
| 10/22/2019 | 0.00014 (J) | | | | | |
| 8/14/2020 | | | | 0.00037 (J) | | |
| 8/17/2020 | | | 0.00058 (J) | | 0.0018 (J) | |
| 9/25/2020 | | | | 0.00026 (J) | 0.00022 (J) | |
| 9/28/2020 | | | 0.00066 (J) | | | |
| 3/4/2021 | | | | 0.00032 (J) | | |
| 3/5/2021 | | | | | 0.0065 | |
| 9/13/2021 | | | | | 0.0013 | |
| 9/14/2021 | 0.00025 (J) | <0.0005 | 0.0007 | | | |
| 9/15/2021 | | | | | | 0.00096 |
| 9/16/2021 | | | | 0.0003 (J) | | |
| 1/20/2022 | <0.0005 | | | | | |
| 1/21/2022 | | | | 0.0003 (J) | | |
| 1/25/2022 | | <0.0005 | 0.00072 | | | |
| 1/26/2022 | | | | | | 0.001 |
| 1/27/2022 | | | | | 0.0036 | |
| 9/12/2022 | | | | | | 0.0014 |
| 9/13/2022 | | | | 0.00031 (J) | | |
| 9/14/2022 | 0.00018 (J) | | | | | |
| 9/16/2022 | | <0.0005 | 0.00073 | | 0.0019 | |
| 1/31/2023 | | | | | | 0.0015 |
| 2/2/2023 | <0.0005 | | | | | |
| 2/3/2023 | | | | 0.0003 (J) | | |
| 2/7/2023 | | <0.0005 | 0.00081 | | 0.0033 | |
| 9/6/2023 | | | | | | 0.0008 |
| 9/7/2023 | 0.00028 (J) | | | | | |
| 9/11/2023 | | 0.00018 (J) | 0.00058 | | | |
| 9/12/2023 | | | | 0.00027 (J) | 0.0026 | |
| Mean | 0.0003563 | 0.00046 | 0.0006189 | 0.0003156 | 0.002653 | 0.001132 |
| Std. Dev. | 0.0001593 | 0.0001131 | 0.0001478 | 4.72E-05 | 0.001896 | 0.0003019 |
| Upper Lim. | 0.0005 | 0.0005 | 0.0007616 | 0.0003611 | 0.004662 | 0.001638 |
| Lower Lim. | 0.00014 | 0.00018 | 0.0004762 | 0.00027 | 0.0006429 | 0.0006262 |

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-93 | B-97 | B-98 | DGWC-10 | DGWC-11 | DGWC-12 |
|------------|-------------|-----------|-------------|-------------|-------------|-------------|
| 8/31/2016 | | | | 0.0012 | <0.0005 | |
| 9/1/2016 | | | | | | 0.0004 (J) |
| 12/6/2016 | | | | 0.0013 | <0.0005 | |
| 12/7/2016 | | | | | | 0.0003 (J) |
| 3/29/2017 | | | | 0.0013 | <0.0005 | 0.0003 (J) |
| 7/12/2017 | | | | 0.0013 | <0.0005 | 0.0004 (J) |
| 10/24/2017 | | | | 0.0014 | <0.0005 | |
| 10/25/2017 | | | | | | 0.0004 (J) |
| 2/27/2018 | | | | 0.001 | <0.0005 | <0.0005 |
| 7/11/2018 | | | | | | 0.00033 (J) |
| 11/6/2018 | | | | 0.0012 | <0.0005 | |
| 11/7/2018 | | | | | | <0.001 (J) |
| 8/27/2019 | | | | 0.00077 (J) | 0.00012 (J) | 0.00037 (J) |
| 9/17/2019 | | | | | | 0.00035 (J) |
| 10/15/2019 | | | | 0.00095 (J) | <0.0005 | 0.00025 (J) |
| 3/2/2020 | | | | | <0.0005 | <0.0005 |
| 3/3/2020 | | | | 0.00095 (J) | | |
| 8/11/2020 | | | | 0.00071 (J) | <0.0005 | 0.00038 (J) |
| 8/19/2020 | 0.00077 (J) | | | | | |
| 9/22/2020 | | | | | 0.00016 (J) | 0.00017 (J) |
| 9/24/2020 | | | | 0.00055 (J) | | |
| 9/28/2020 | 0.00074 (J) | | | | | |
| 3/2/2021 | | | | | 0.00013 (J) | |
| 3/3/2021 | | | | | | 0.00016 (J) |
| 3/4/2021 | | | | 0.00088 | | |
| 3/9/2021 | 0.00075 (J) | | | | | |
| 9/9/2021 | | | | | <0.0005 | <0.0005 |
| 9/10/2021 | | | | 0.00061 | | |
| 9/15/2021 | 0.00088 | 0.00056 | 0.0003 (J) | | | |
| 1/25/2022 | | | | | 0.00016 (J) | <0.0005 |
| 1/26/2022 | 0.00079 | 0.00055 | <0.0005 | 0.0007 | | |
| 9/12/2022 | 0.00084 | | | | | |
| 9/13/2022 | | 0.00055 | 0.00031 (J) | | | |
| 9/15/2022 | | | | 0.00047 (J) | <0.0005 | 0.00017 (J) |
| 1/31/2023 | 0.00089 | | <0.0005 | | | |
| 2/1/2023 | | 0.00063 | | | | |
| 2/2/2023 | | | | 0.00059 | | |
| 2/6/2023 | | | | | 0.00015 (J) | <0.0005 |
| 9/6/2023 | 0.001 | 0.00059 | 0.00015 (J) | | | |
| 9/8/2023 | | | | | 0.00014 (J) | |
| 9/11/2023 | | | | 0.0006 | | <0.0005 |
| Mean | 0.0008325 | 0.000576 | 0.000352 | 0.0009156 | 0.0003811 | 0.000399 |
| Std. Dev. | 8.844E-05 | 3.435E-05 | 0.0001492 | 0.000306 | 0.0001732 | 0.0001828 |
| Upper Lim. | 0.0009262 | 0.0006336 | 0.000376 | 0.001101 | 0.0005 | 0.0003232 |
| Lower Lim. | 0.0007388 | 0.0005184 | 0.0001307 | 0.0007304 | 0.00015 | 0.0002176 |

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-13 | DGWC-15 | DGWC-17 | DGWC-19 | DGWC-2 | DGWC-20 |
|------------|------------|-------------|-------------|-------------|-------------|------------|
| 9/1/2016 | | | | 0.0004 (J) | | |
| 9/2/2016 | | | | | | 0.0023 |
| 9/6/2016 | <0.0005 | <0.0005 | | | | |
| 9/7/2016 | | | 0.0003 (J) | | | |
| 12/7/2016 | 0.0002 (J) | 9E-05 (J) | | 0.0004 (J) | | 0.0023 |
| 12/8/2016 | | | 0.0003 (J) | | | |
| 3/29/2017 | | | | 0.0004 (J) | | 0.0021 |
| 3/30/2017 | 8E-05 (J) | 9E-05 (J) | 0.0003 (J) | | 0.0005 (J) | |
| 5/11/2017 | | | | | 0.0004 (J) | |
| 6/15/2017 | | | | | 0.0003 (J) | |
| 7/11/2017 | | | | | 0.0003 (J) | |
| 7/12/2017 | <0.0005 | <0.0005 | 0.0002 (J) | 0.0004 (J) | | 0.0021 |
| 10/24/2017 | | | | | 0.0003 (J) | |
| 10/25/2017 | | <0.0005 | 0.0002 (J) | 0.0004 (J) | | 0.002 |
| 11/15/2017 | <0.0005 | | | | | |
| 2/27/2018 | | | | | <0.0005 | |
| 2/28/2018 | <0.0005 | <0.0005 | <0.001 | <0.001 | | 0.0018 |
| 7/11/2018 | | <0.0005 | 0.00029 (J) | 0.00039 (J) | 0.00018 (J) | 0.0018 |
| 11/6/2018 | | | | | <0.001 (J) | |
| 11/7/2018 | <0.0005 | <0.001 (J) | <0.001 | <0.001 (J) | | 0.0018 |
| 8/27/2019 | | | 0.00033 (J) | | 0.00012 (J) | |
| 8/28/2019 | <0.0005 | <0.0005 | | 0.00033 (J) | | |
| 8/29/2019 | | | | | | 0.002 (J) |
| 10/16/2019 | <0.0005 | | | 0.00034 (J) | | |
| 10/17/2019 | | <0.0005 | | | 0.00013 (J) | 0.0017 (J) |
| 10/18/2019 | | | 0.00029 (J) | | | |
| 3/3/2020 | <0.0005 | 0.00012 (J) | | 0.00037 (J) | 0.00014 (J) | |
| 3/4/2020 | | | 0.00028 (J) | | | 0.0026 |
| 8/11/2020 | | | | 0.0003 (J) | <0.0005 | |
| 8/12/2020 | <0.0005 | | | | | |
| 8/13/2020 | | 0.00013 (J) | | | | 0.0021 (J) |
| 8/14/2020 | | | 0.00029 (J) | | | |
| 9/22/2020 | | | | 0.00036 (J) | | 0.0014 (J) |
| 9/23/2020 | <0.0005 | <0.0005 | | | 0.00013 (J) | |
| 9/24/2020 | | | 0.00024 (J) | | | |
| 3/2/2021 | <0.0005 | <0.0005 | | 0.00035 (J) | <0.0005 | 0.0025 |
| 3/3/2021 | | | 0.00023 (J) | | | |
| 9/9/2021 | <0.0005 | <0.0005 | | 0.00037 (J) | <0.0005 | |
| 9/10/2021 | | | | | | 0.0012 |
| 9/13/2021 | | | 0.00023 (J) | | | |
| 1/20/2022 | | | | | <0.0005 | |
| 1/21/2022 | | | | | | 0.0028 |
| 1/24/2022 | | <0.0005 | 0.00027 (J) | | | |
| 1/25/2022 | <0.0005 | | | 0.00041 (J) | | |
| 9/13/2022 | | <0.0005 | | | | |
| 9/14/2022 | | | 0.00024 (J) | 0.00032 (J) | | |
| 9/15/2022 | <0.0005 | | | | | 0.0021 |
| 9/20/2022 | | | | | <0.0005 | |
| 2/1/2023 | <0.0005 | | | | | |
| 2/2/2023 | | <0.0005 | | | | |
| 2/6/2023 | | | 0.00028 (J) | 0.00029 (J) | <0.0005 | |
| 2/7/2023 | | | | | | 0.0027 |

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-13 | DGWC-15 | DGWC-17 | DGWC-19 | DGWC-2 | DGWC-20 |
|------------|-----------|-----------|-------------|-------------|-----------|-----------|
| 9/8/2023 | <0.0005 | <0.0005 | | 0.00034 (J) | | |
| 9/11/2023 | | | | | | 0.0038 |
| 9/13/2023 | | | 0.00019 (J) | | <0.0005 | |
| Mean | 0.00046 | 0.0004437 | 0.0002874 | 0.0003774 | 0.0003947 | 0.002163 |
| Std. Dev. | 0.0001182 | 0.0002118 | 8.465E-05 | 5.626E-05 | 0.0002134 | 0.0005727 |
| Upper Lim. | 0.0005 | 0.001 | 0.0003 | 0.0004103 | 0.0005 | 0.002499 |
| Lower Lim. | 0.0002 | 0.00013 | 0.00023 | 0.0003444 | 0.00014 | 0.001828 |

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-21 | DGWC-22 | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 |
|------------|-------------|-------------|-------------|-------------|-------------|------------|
| 9/1/2016 | | | | | | 0.0017 |
| 9/2/2016 | 0.0006 (J) | 0.0003 (J) | | | | |
| 9/7/2016 | | | | | 0.0007 (J) | |
| 12/8/2016 | 0.0006 (J) | 0.0004 (J) | | | 0.0003 (J) | 0.0002 (J) |
| 3/28/2017 | | | | 0.0006 (J) | | |
| 3/29/2017 | | 0.0004 (J) | | | | |
| 3/30/2017 | 0.0008 (J) | | 0.0002 (J) | | | |
| 3/31/2017 | | | | | 0.0009 (J) | 0.002 |
| 5/12/2017 | | | 0.0003 (J) | 0.0006 (J) | | |
| 6/15/2017 | | | 0.0002 (J) | 0.0005 (J) | | |
| 7/11/2017 | | | | 0.0006 (J) | | |
| 7/12/2017 | 0.0006 (J) | | 0.0002 (J) | | | |
| 7/13/2017 | | 0.0005 (J) | | | 0.0008 (J) | 0.0017 |
| 10/24/2017 | | | | 0.0007 (J) | | |
| 10/25/2017 | 0.0005 (J) | 0.0007 (J) | | | 0.0005 (J) | |
| 10/26/2017 | | | 0.0003 (J) | | | 0.0015 |
| 2/27/2018 | | | | <0.001 | | |
| 2/28/2018 | <0.0005 | <0.001 | | | <0.001 | |
| 3/1/2018 | | | <0.0005 | | | 0.0025 |
| 7/11/2018 | 0.00054 (J) | | | | 0.0024 | |
| 7/12/2018 | | 0.00091 (J) | 0.00028 (J) | | | 0.0021 |
| 11/6/2018 | | | | <0.001 (J) | | |
| 11/7/2018 | <0.001 (J) | <0.001 (J) | | | <0.001 (J) | 0.0016 |
| 11/8/2018 | | | <0.001 (J) | | | |
| 8/27/2019 | | | | 0.00072 (J) | | |
| 8/28/2019 | | | | | 0.0015 (J) | |
| 8/29/2019 | 0.00087 (J) | 0.00053 (J) | 0.00022 (J) | | | 0.0021 (J) |
| 10/15/2019 | | | | 0.00077 (J) | | |
| 10/17/2019 | 0.0006 (J) | | | | 0.00058 (J) | 0.0033 |
| 10/18/2019 | | 0.00056 (J) | 0.00022 (J) | | | |
| 3/2/2020 | | | | 0.00088 (J) | | |
| 3/3/2020 | 0.00063 (J) | 0.00061 (J) | | | | |
| 3/4/2020 | | | 0.00024 (J) | | 0.00037 (J) | 0.0017 (J) |
| 8/12/2020 | | | | 0.0008 (J) | | 0.001 (J) |
| 8/13/2020 | | | 0.00027 (J) | | 0.0013 (J) | |
| 8/14/2020 | 0.00054 (J) | 0.00057 (J) | | | | |
| 9/22/2020 | | | | 0.00065 (J) | 0.0007 (J) | |
| 9/23/2020 | | | | | | 0.0013 (J) |
| 9/24/2020 | 0.00073 (J) | 0.00058 (J) | 0.00018 (J) | | | |
| 3/1/2021 | | | | 0.00085 | | |
| 3/3/2021 | 0.00044 (J) | 0.0005 | 0.00015 (J) | | 0.00038 (J) | 0.0016 |
| 9/9/2021 | 0.00012 (J) | | 0.00019 (J) | | | |
| 9/10/2021 | | 0.00061 | | 0.0009 | | 0.0014 |
| 9/13/2021 | | | | | 0.00042 (J) | |
| 1/20/2022 | <0.0005 | 0.00052 | 0.00012 (J) | | 0.00038 (J) | |
| 1/21/2022 | | | | | | 0.0019 |
| 1/24/2022 | | | | 0.00098 | | |
| 9/13/2022 | | | | | 0.00069 | 0.0011 |
| 9/15/2022 | 0.00029 (J) | | | | | |
| 9/16/2022 | | 0.00065 | | | | |
| 9/19/2022 | | | | 0.00091 | | |
| 9/20/2022 | | | 0.00017 (J) | | | |

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-21 | DGWC-22 | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 |
|------------|-----------|-------------|-------------|-----------|-----------|-----------|
| 2/1/2023 | | | | | 0.00075 | |
| 2/3/2023 | | | | 0.001 | | 0.0013 |
| 2/6/2023 | | 0.00045 (J) | 0.00021 (J) | | | |
| 2/7/2023 | 0.00059 | | | | | |
| 9/11/2023 | 0.00054 | 0.0006 | <0.0005 | | | |
| 9/12/2023 | | | | | | 0.00083 |
| 9/13/2023 | | | | 0.00099 | 0.00068 | |
| Mean | 0.0005784 | 0.0005468 | 0.0002868 | 0.0007472 | 0.0007553 | 0.001623 |
| Std. Dev. | 0.0001936 | 0.0001295 | 0.0002001 | 0.0001748 | 0.000504 | 0.0006609 |
| Upper Lim. | 0.0006025 | 0.0006227 | 0.0003 | 0.000853 | 0.0008851 | 0.00201 |
| Lower Lim. | 0.000354 | 0.000471 | 0.00018 | 0.0006415 | 0.0004782 | 0.001236 |

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-48 | DGWC-5 | DGWC-8 | DGWC-9 |
|------------|----------|-------------|------------|-------------|
| 8/30/2016 | | | 0.0019 | 0.0004 (J) |
| 8/31/2016 | | 0.0002 (J) | | |
| 9/1/2016 | 0.0013 | | | |
| 12/6/2016 | | 0.0004 (J) | 0.0025 | 0.0005 (J) |
| 12/8/2016 | 0.0042 | | | |
| 3/28/2017 | | 0.0002 (J) | | 0.0005 (J) |
| 3/29/2017 | | | 0.0024 | |
| 3/30/2017 | 0.0089 | | | |
| 7/11/2017 | | 0.0003 (J) | 0.0021 | 0.0005 (J) |
| 7/13/2017 | 0.0033 | | | |
| 10/24/2017 | | | 0.0029 | 0.0006 (J) |
| 10/25/2017 | | 0.0006 (J) | | |
| 10/26/2017 | 0.0032 | | | |
| 2/27/2018 | | <0.001 | 0.0029 | <0.001 |
| 3/2/2018 | 0.0049 | | | |
| 7/11/2018 | | | | 0.00067 (J) |
| 7/12/2018 | 0.0032 | | | |
| 11/6/2018 | | <0.001 (J) | 0.0027 | <0.001 (J) |
| 11/7/2018 | 0.0031 | | | |
| 8/27/2019 | | 0.00082 (J) | | 0.00071 (J) |
| 8/28/2019 | | | 0.0022 (J) | |
| 8/29/2019 | 0.003 | | | |
| 10/16/2019 | | 0.00069 (J) | 0.0022 (J) | |
| 10/17/2019 | | | | 0.00064 (J) |
| 10/18/2019 | 0.0028 | | | |
| 3/2/2020 | | 0.00089 (J) | | |
| 3/3/2020 | | | 0.002 (J) | 0.00059 (J) |
| 3/4/2020 | 0.0036 | | | |
| 8/11/2020 | | | | 0.00059 (J) |
| 8/12/2020 | | 0.00079 (J) | 0.0021 (J) | |
| 8/13/2020 | 0.0028 | | | |
| 9/22/2020 | | 0.00072 (J) | | 0.00059 (J) |
| 9/23/2020 | 0.0025 | | 0.0018 (J) | |
| 3/2/2021 | | 0.00075 | 0.0017 | 0.00057 |
| 3/3/2021 | 0.0033 | | | |
| 9/10/2021 | 0.0028 | 0.00093 | | 0.00053 |
| 9/13/2021 | | | 0.002 | |
| 1/24/2022 | 0.0029 | 0.00094 | | |
| 1/25/2022 | | | 0.0016 | |
| 1/26/2022 | | | | 0.00059 |
| 9/13/2022 | 0.0026 | | | |
| 9/14/2022 | | 0.00087 | | |
| 9/15/2022 | | | 0.0011 | |
| 9/19/2022 | | | | 0.00076 |
| 2/3/2023 | 0.0024 | | | 0.00053 |
| 2/7/2023 | | 0.0012 | 0.00087 | |
| 9/12/2023 | | | 0.0015 | |
| 9/13/2023 | 0.0026 | 0.0013 | | |
| Mean | 0.003337 | 0.0007 | 0.002026 | 0.0005706 |
| Std. Dev. | 0.001533 | 0.0003116 | 0.0005554 | 8.734E-05 |
| Upper Lim. | 0.0036 | 0.0008886 | 0.002362 | 0.0006234 |
| Lower Lim. | 0.0026 | 0.0005114 | 0.00169 | 0.0005177 |

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-100 | B-101D | B-104D | B-106D | B-56 | B-62 |
|------------|-------------|------------|------------|------------|-------------|-------------|
| 1/30/2019 | | | | | | <0.005 |
| 9/11/2019 | | | | | | <0.005 |
| 10/21/2019 | | | | | | 0.00098 (J) |
| 8/13/2020 | | | | | | <0.005 |
| 8/17/2020 | <0.005 | | | | 0.0014 (J) | |
| 9/24/2020 | | | | | | <0.005 |
| 9/25/2020 | 0.00094 (J) | | | | | |
| 9/28/2020 | | | | | <0.005 | |
| 12/9/2020 | | | 0.0011 (J) | | | |
| 12/17/2020 | | | | <0.005 | | |
| 1/12/2021 | | <0.005 | <0.005 | | | |
| 3/3/2021 | | | | | 0.00059 (J) | |
| 3/4/2021 | | | <0.005 | <0.005 | | |
| 3/5/2021 | | <0.005 | | | | |
| 3/8/2021 | 0.00057 (J) | | | | | |
| 3/12/2021 | | | | | | <0.005 |
| 9/9/2021 | | | | | | <0.005 |
| 9/13/2021 | <0.005 | 0.0014 (J) | | <0.005 | <0.005 | |
| 9/14/2021 | | | <0.005 | | | |
| 1/20/2022 | | | | | | <0.005 |
| 1/21/2022 | <0.005 | | | | | |
| 1/24/2022 | | | <0.005 | | | |
| 1/25/2022 | | | | <0.005 | | |
| 1/26/2022 | | <0.005 | | | | |
| 1/27/2022 | | | | | 0.0014 (J) | |
| 9/8/2022 | <0.005 | | | | | <0.005 |
| 9/13/2022 | | | <0.005 | | | |
| 9/16/2022 | | <0.005 | | <0.005 | <0.005 | |
| 2/2/2023 | <0.005 | | | | | <0.005 |
| 2/3/2023 | | <0.005 | <0.005 | | | |
| 2/7/2023 | | | | 0.0013 (J) | <0.005 | |
| 9/6/2023 | <0.005 | | | | | |
| 9/7/2023 | | | | | | <0.005 |
| 9/8/2023 | | <0.005 | | | <0.005 | |
| 9/11/2023 | | | | <0.005 | | |
| 9/13/2023 | | | <0.005 | | | |
| Mean | 0.003939 | 0.004486 | 0.004512 | 0.004471 | 0.003549 | 0.004635 |
| Std. Dev. | 0.001968 | 0.001361 | 0.001379 | 0.001398 | 0.002018 | 0.001212 |
| Upper Lim. | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 |
| Lower Lim. | 0.00057 | 0.0014 | 0.0011 | 0.0013 | 0.00059 | 0.005 |

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-63 | B-77 | B-82 | B-83 | B-88 | B-93 |
|------------|-------------|-------------|------------|------------|-------------|-------------|
| 1/28/2019 | <0.005 | | | | | |
| 9/11/2019 | <0.005 | | | | | |
| 9/18/2019 | | 0.00068 (J) | | | | |
| 9/23/2019 | | | 0.0011 (J) | | | |
| 10/21/2019 | | | <0.005 | 0.0017 (J) | | |
| 10/22/2019 | 0.00064 (J) | | | | | |
| 10/24/2019 | | <0.005 | | | | |
| 8/13/2020 | | 0.0021 (J) | | | | |
| 8/14/2020 | | | | 0.005 (J) | | |
| 8/17/2020 | | | <0.005 | | 0.0014 (J) | |
| 8/19/2020 | | | | | | 0.00057 (J) |
| 9/24/2020 | | 0.0007 (J) | | | | |
| 9/25/2020 | | | | 0.0051 (J) | 0.00085 (J) | |
| 9/28/2020 | | | <0.005 | | | 0.00066 (J) |
| 3/4/2021 | | 0.00098 (J) | | 0.0049 (J) | | |
| 3/5/2021 | | | | | 0.0017 (J) | |
| 3/9/2021 | | | | | | <0.005 |
| 9/13/2021 | | | | | <0.005 | |
| 9/14/2021 | <0.005 | <0.005 | <0.005 | | | |
| 9/15/2021 | | | | | | <0.005 |
| 9/16/2021 | | | | 0.003 (J) | | |
| 1/20/2022 | <0.005 | <0.005 | | | | |
| 1/21/2022 | | | | 0.0034 (J) | | |
| 1/25/2022 | | | <0.005 | | | |
| 1/26/2022 | | | | | | 0.0011 (J) |
| 1/27/2022 | | | | | <0.005 | |
| 9/12/2022 | | | | | | <0.005 |
| 9/13/2022 | | <0.005 | | 0.0022 (J) | | |
| 9/14/2022 | <0.005 | | | | | |
| 9/16/2022 | | | <0.005 | | <0.005 | |
| 1/31/2023 | | | | | | <0.005 |
| 2/2/2023 | <0.005 | | | | | |
| 2/3/2023 | | | | 0.0026 (J) | | |
| 2/6/2023 | | <0.005 | | | | |
| 2/7/2023 | | | 0.0013 (J) | | <0.005 | |
| 9/6/2023 | | | | | | <0.005 |
| 9/7/2023 | 0.0013 (J) | | | | | |
| 9/11/2023 | | | <0.005 | | | |
| 9/12/2023 | | <0.005 | | 0.0022 (J) | <0.005 | |
| Mean | 0.003992 | 0.003446 | 0.004156 | 0.003344 | 0.003619 | 0.003416 |
| Std. Dev. | 0.001874 | 0.002043 | 0.001676 | 0.001334 | 0.00192 | 0.002191 |
| Upper Lim. | 0.005 | 0.005 | 0.005 | 0.004633 | 0.005 | 0.005 |
| Lower Lim. | 0.00064 | 0.0007 | 0.0011 | 0.002056 | 0.00085 | 0.00057 |

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 | DGWC-15 |
|------------|------------|-------------|-------------|-------------|-------------|-------------|
| 8/31/2016 | | <0.005 | <0.005 | | | |
| 9/1/2016 | | | | <0.005 | | |
| 9/6/2016 | | | | | <0.005 | <0.005 |
| 12/6/2016 | | <0.005 | <0.005 | | | |
| 12/7/2016 | | | | <0.005 | <0.005 | <0.005 |
| 3/29/2017 | | 0.0008 (J) | <0.005 | <0.005 | | |
| 3/30/2017 | | | | | 0.0009 (J) | 0.0005 (J) |
| 7/12/2017 | | 0.0006 (J) | <0.005 | <0.005 | <0.005 | <0.005 |
| 10/24/2017 | | 0.0007 (J) | <0.005 | | | |
| 10/25/2017 | | | | <0.005 | | <0.005 |
| 11/15/2017 | | | | | <0.005 | |
| 2/27/2018 | | <0.005 | <0.005 | <0.005 | | |
| 2/28/2018 | | | | | <0.005 | <0.005 |
| 7/11/2018 | | | | <0.005 | | <0.005 |
| 11/6/2018 | | <0.005 | <0.005 | | | |
| 11/7/2018 | | | | <0.005 | <0.005 | <0.01 (J) |
| 8/27/2019 | | 0.00083 (J) | 0.0006 (J) | <0.005 | | |
| 8/28/2019 | | | | | <0.005 | <0.005 |
| 9/17/2019 | | | | <0.005 | | |
| 10/15/2019 | | 0.00078 (J) | <0.005 | <0.005 | | |
| 10/16/2019 | | | | | <0.005 | |
| 10/17/2019 | | | | | | 0.00058 (J) |
| 3/2/2020 | | | 0.0006 (J) | <0.005 | | |
| 3/3/2020 | | 0.00092 (J) | | | 0.00066 (J) | 0.00046 (J) |
| 8/11/2020 | | 0.00097 (J) | 0.00061 (J) | 0.00094 (J) | | |
| 8/12/2020 | | | | | 0.00074 (J) | |
| 8/13/2020 | | | | | | 0.0048 (J) |
| 9/22/2020 | | | 0.00058 (J) | <0.005 | | |
| 9/23/2020 | | | | | 0.00059 (J) | <0.005 |
| 9/24/2020 | | 0.001 (J) | | | | |
| 3/2/2021 | | | <0.005 | | <0.005 | <0.005 |
| 3/3/2021 | | | | 0.00099 (J) | | |
| 3/4/2021 | | 0.0009 (J) | | | | |
| 9/9/2021 | | | <0.005 | <0.005 | <0.005 | <0.005 |
| 9/10/2021 | | <0.005 | | | | |
| 9/15/2021 | <0.005 | | | | | |
| 1/24/2022 | | | | | | <0.005 |
| 1/25/2022 | | | <0.005 | <0.005 | <0.005 | |
| 1/26/2022 | 0.0013 (J) | 0.0011 (J) | | | | |
| 9/13/2022 | <0.005 | | | | | <0.005 |
| 9/15/2022 | | <0.005 | <0.005 | <0.005 | <0.005 | |
| 1/31/2023 | 0.0014 (J) | | | | | |
| 2/1/2023 | | | | | <0.005 | |
| 2/2/2023 | | 0.0013 (J) | | | | <0.005 |
| 2/6/2023 | | | <0.005 | <0.005 | | |
| 9/6/2023 | <0.005 | | | | | |
| 9/8/2023 | | | <0.005 | | <0.005 | <0.005 |
| 9/11/2023 | | 0.0016 (J) | | <0.005 | | |
| Mean | 0.00354 | 0.002306 | 0.004022 | 0.004596 | 0.004049 | 0.004544 |
| Std. Dev. | 0.001999 | 0.001973 | 0.001883 | 0.001242 | 0.001831 | 0.002128 |
| Upper Lim. | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.01 |
| Lower Lim. | 0.0013 | 0.0008 | 0.00061 | 0.00099 | 0.0009 | 0.0048 |

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-17 | DGWC-19 | DGWC-2 | DGWC-20 | DGWC-21 | DGWC-22 |
|------------|------------|------------|-------------|------------|-------------|------------|
| 9/1/2016 | | 0.0031 (J) | | | | |
| 9/2/2016 | | | | 0.0017 (J) | <0.005 | 0.0012 (J) |
| 9/7/2016 | 0.0026 (J) | | | | | |
| 12/7/2016 | | <0.01 | | <0.005 | | |
| 12/8/2016 | 0.0025 (J) | | | | <0.005 | <0.005 |
| 3/29/2017 | | 0.0025 (J) | | 0.0016 (J) | | <0.005 |
| 3/30/2017 | 0.0026 (J) | | 0.0005 (J) | | 0.0005 (J) | |
| 5/11/2017 | | | 0.0005 (J) | | | |
| 6/15/2017 | | | <0.005 | | | |
| 7/11/2017 | | | <0.005 | | | |
| 7/12/2017 | 0.0022 (J) | 0.0023 (J) | | <0.005 | 0.0006 (J) | |
| 7/13/2017 | | | | | | <0.005 |
| 10/24/2017 | | | <0.005 | | | |
| 10/25/2017 | 0.0024 (J) | 0.0024 (J) | | 0.0015 (J) | <0.005 | <0.005 |
| 2/27/2018 | | | <0.005 | | | |
| 2/28/2018 | <0.01 | <0.01 | | <0.005 | <0.005 | <0.005 |
| 7/11/2018 | 0.0024 (J) | 0.0022 (J) | <0.005 | <0.005 | <0.005 | |
| 7/12/2018 | | | | | | <0.005 |
| 11/6/2018 | | | <0.005 | | | |
| 11/7/2018 | <0.01 | <0.01 (J) | | <0.01 (J) | <0.005 | <0.005 |
| 8/27/2019 | 0.0031 (J) | | 0.0004 (J) | | | |
| 8/28/2019 | | 0.0028 (J) | | | | |
| 8/29/2019 | | | | 0.0017 (J) | 0.00041 (J) | <0.005 |
| 10/16/2019 | | 0.0024 (J) | | | | |
| 10/17/2019 | | | 0.00046 (J) | 0.0015 (J) | <0.005 | |
| 10/18/2019 | 0.0027 (J) | | | | | <0.005 |
| 3/3/2020 | | 0.0028 (J) | <0.005 | | 0.00048 (J) | <0.005 |
| 3/4/2020 | 0.0035 (J) | | | 0.0032 (J) | | |
| 8/11/2020 | | 0.0024 (J) | 0.00067 (J) | | | |
| 8/13/2020 | | | | 0.0023 (J) | | |
| 8/14/2020 | 0.0033 (J) | | | | <0.005 | <0.005 |
| 9/22/2020 | | 0.003 (J) | | 0.0013 (J) | | |
| 9/23/2020 | | | <0.005 | | | |
| 9/24/2020 | 0.0029 (J) | | | | 0.00096 (J) | <0.005 |
| 3/2/2021 | | 0.0024 (J) | 0.00064 (J) | 0.0022 (J) | | |
| 3/3/2021 | 0.0028 (J) | | | | 0.002 (J) | <0.005 |
| 9/9/2021 | | 0.003 (J) | <0.005 | | <0.005 | |
| 9/10/2021 | | | | <0.005 | | <0.005 |
| 9/13/2021 | 0.0027 (J) | | | | | |
| 1/20/2022 | | | <0.005 | | <0.005 | <0.005 |
| 1/21/2022 | | | | 0.0021 (J) | | |
| 1/24/2022 | 0.0029 (J) | | | | | |
| 1/25/2022 | | 0.0029 (J) | | | | |
| 9/14/2022 | 0.0023 (J) | 0.0024 (J) | | | | |
| 9/15/2022 | | | | 0.0014 (J) | <0.005 | |
| 9/16/2022 | | | | | | <0.005 |
| 9/20/2022 | | | <0.005 | | | |
| 2/6/2023 | 0.0026 (J) | 0.0022 (J) | <0.005 | | | <0.005 |
| 2/7/2023 | | | | 0.0023 (J) | <0.005 | |
| 9/8/2023 | | 0.0021 (J) | | | | |
| 9/11/2023 | | | | 0.0026 (J) | <0.005 | <0.005 |
| 9/13/2023 | 0.0027 (J) | | <0.005 | | | |

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-17 | DGWC-19 | DGWC-2 | DGWC-20 | DGWC-21 | DGWC-22 |
|------------|-----------|----------|----------|----------|----------|-----------|
| Mean | 0.002958 | 0.003732 | 0.003588 | 0.003179 | 0.003682 | 0.0048 |
| Std. Dev. | 0.0007897 | 0.002804 | 0.002136 | 0.00219 | 0.002019 | 0.0008718 |
| Upper Lim. | 0.0033 | 0.0031 | 0.005 | 0.005 | 0.005 | 0.005 |
| Lower Lim. | 0.0025 | 0.0023 | 0.00064 | 0.0016 | 0.0006 | 0.0012 |

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 | DGWC-48 | DGWC-5 |
|------------|-------------|------------|-------------|------------|------------|-------------|
| 8/31/2016 | | | | | | <0.005 |
| 9/1/2016 | | | | <0.005 | <0.005 | |
| 9/7/2016 | | | <0.005 | | | |
| 12/6/2016 | | | | | | <0.005 |
| 12/8/2016 | | | <0.005 | <0.005 | <0.005 | |
| 3/28/2017 | | 0.0005 (J) | | | | <0.005 |
| 3/30/2017 | 0.0012 (J) | | | | <0.005 | |
| 3/31/2017 | | | 0.001 (J) | 0.0007 (J) | | |
| 5/12/2017 | 0.0004 (J) | <0.005 | | | | |
| 6/15/2017 | 0.0005 (J) | <0.005 | | | | |
| 7/11/2017 | | <0.005 | | | | <0.005 |
| 7/12/2017 | 0.0007 (J) | | | | | |
| 7/13/2017 | | | 0.0008 (J) | <0.005 | 0.0007 (J) | |
| 10/24/2017 | | <0.005 | | | | |
| 10/25/2017 | | | 0.0005 (J) | | | <0.005 |
| 10/26/2017 | 0.0007 (J) | | | <0.005 | <0.005 | |
| 2/27/2018 | | <0.005 | | | | <0.005 |
| 2/28/2018 | | | <0.005 | | | |
| 3/1/2018 | <0.005 | | | <0.005 | | |
| 3/2/2018 | | | | | <0.005 | |
| 7/11/2018 | | | <0.005 | | | |
| 7/12/2018 | <0.005 | | | <0.005 | <0.005 | |
| 11/6/2018 | | <0.005 | | | | <0.005 |
| 11/7/2018 | | | <0.005 | <0.005 | <0.005 | |
| 11/8/2018 | <0.005 | | | | | |
| 8/27/2019 | | <0.005 | | | | <0.005 |
| 8/28/2019 | | | <0.005 | | | |
| 8/29/2019 | <0.005 | | | <0.005 | <0.005 | |
| 10/15/2019 | | <0.005 | | | | |
| 10/16/2019 | | | | | | <0.005 |
| 10/17/2019 | | | 0.00041 (J) | <0.005 | | |
| 10/18/2019 | 0.00041 (J) | | | | <0.005 | |
| 3/2/2020 | | <0.005 | | | | 0.00045 (J) |
| 3/4/2020 | 0.00081 (J) | | 0.00042 (J) | <0.005 | 0.0004 (J) | |
| 8/12/2020 | | <0.005 | | <0.005 | | <0.005 |
| 8/13/2020 | 0.00085 (J) | | 0.0021 (J) | | <0.005 | |
| 9/22/2020 | | <0.005 | 0.001 (J) | | | <0.005 |
| 9/23/2020 | | | | <0.005 | <0.005 | |
| 9/24/2020 | 0.00084 (J) | | | | | |
| 3/1/2021 | | <0.005 | | | | |
| 3/2/2021 | | | | | | <0.005 |
| 3/3/2021 | 0.0014 (J) | | <0.005 | <0.005 | <0.005 | |
| 9/9/2021 | <0.005 | | | | | |
| 9/10/2021 | | <0.005 | | <0.005 | <0.005 | <0.005 |
| 9/13/2021 | | | <0.005 | | | |
| 1/20/2022 | <0.005 | | <0.005 | | | |
| 1/21/2022 | | | | <0.005 | | |
| 1/24/2022 | | <0.005 | | | <0.005 | <0.005 |
| 9/13/2022 | | | <0.005 | <0.005 | <0.005 | |
| 9/14/2022 | | | | | | <0.005 |
| 9/19/2022 | | <0.005 | | | | |
| 9/20/2022 | <0.005 | | | | | |

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 | DGWC-48 | DGWC-5 |
|------------|----------|----------|----------|-----------|----------|----------|
| 2/1/2023 | | | <0.005 | | | |
| 2/3/2023 | | <0.005 | | <0.005 | <0.005 | |
| 2/6/2023 | <0.005 | | | | | |
| 2/7/2023 | | | | | | <0.005 |
| 9/11/2023 | <0.005 | | | | | |
| 9/12/2023 | | | | <0.005 | | |
| 9/13/2023 | | <0.005 | <0.005 | | <0.005 | <0.005 |
| Mean | 0.002779 | 0.00475 | 0.003486 | 0.004774 | 0.004532 | 0.004747 |
| Std. Dev. | 0.002176 | 0.001061 | 0.002065 | 0.0009865 | 0.001404 | 0.001072 |
| Upper Lim. | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 |
| Lower Lim. | 0.0007 | 0.0005 | 0.0008 | 0.0007 | 0.0007 | 0.00045 |

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-8 | DGWC-9 |
|------------|-------------|-------------|
| 8/30/2016 | <0.005 | <0.005 |
| 12/6/2016 | <0.005 | <0.005 |
| 3/28/2017 | | 0.001 (J) |
| 3/29/2017 | 0.0004 (J) | |
| 7/11/2017 | <0.005 | <0.005 |
| 10/24/2017 | <0.005 | <0.005 |
| 2/27/2018 | <0.005 | <0.005 |
| 7/11/2018 | | <0.005 |
| 11/6/2018 | <0.005 | <0.005 |
| 8/27/2019 | | 0.00048 (J) |
| 8/28/2019 | <0.005 | |
| 10/16/2019 | 0.0013 (J) | |
| 10/17/2019 | | 0.00051 (J) |
| 3/3/2020 | 0.00061 (J) | 0.0057 (J) |
| 8/11/2020 | | 0.00061 (J) |
| 8/12/2020 | 0.0028 (J) | |
| 9/22/2020 | | <0.005 |
| 9/23/2020 | 0.00086 (J) | |
| 3/2/2021 | 0.0015 (J) | 0.00059 (J) |
| 9/10/2021 | | <0.005 |
| 9/13/2021 | <0.005 | |
| 1/25/2022 | <0.005 | |
| 1/26/2022 | | 0.0029 (J) |
| 9/15/2022 | <0.005 | |
| 9/19/2022 | | <0.005 |
| 2/3/2023 | | 0.0013 (J) |
| 2/7/2023 | <0.005 | |
| 9/12/2023 | <0.005 | |
| Mean | 0.003748 | 0.003505 |
| Std. Dev. | 0.001881 | 0.002082 |
| Upper Lim. | 0.005 | 0.005 |
| Lower Lim. | 0.0013 | 0.00061 |

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-100 | B-101D | B-102D | B-104D | B-106D | B-107D |
|------------|---------|------------|----------|---------|-------------|-------------|
| 7/23/2020 | 0.086 | | | | | |
| 8/3/2020 | 0.087 | | | | | |
| 8/17/2020 | 0.077 | | | | | |
| 9/25/2020 | 0.034 | | | | | |
| 12/9/2020 | | | | 0.17 | | 0.0017 (J) |
| 12/17/2020 | | | 0.014 | | 0.00087 (J) | |
| 1/11/2021 | | | 0.015 | | | |
| 1/12/2021 | | 0.0034 (J) | | 0.19 | | |
| 3/4/2021 | | | 0.014 | 0.19 | 0.0007 (J) | 0.0012 (J) |
| 3/5/2021 | | 0.0023 (J) | | | | |
| 3/8/2021 | 0.029 | | | | | |
| 9/10/2021 | | | 0.013 | | | |
| 9/13/2021 | 0.035 | 0.003 (J) | | | 0.00056 (J) | 0.00083 (J) |
| 9/14/2021 | | | | 0.1 | | |
| 1/21/2022 | 0.034 | | | | | |
| 1/24/2022 | | | | 0.1 | | 0.00088 (J) |
| 1/25/2022 | | | | | <0.005 | |
| 1/26/2022 | | 0.0028 (J) | | | | |
| 1/27/2022 | | | 0.014 | | | |
| 9/8/2022 | 0.028 | | | | | |
| 9/13/2022 | | | | 0.14 | | |
| 9/14/2022 | | | | | | 0.00061 (J) |
| 9/15/2022 | | | 0.012 | | | |
| 9/16/2022 | | 0.0035 (J) | | | <0.005 | |
| 2/2/2023 | <0.005 | | 0.011 | | | |
| 2/3/2023 | | 0.0022 (J) | | 0.17 | | |
| 2/6/2023 | | | | | | 0.0007 (J) |
| 2/7/2023 | | | | | <0.005 | |
| 9/6/2023 | 0.031 | | | | | |
| 9/8/2023 | | 0.0032 (J) | | | | |
| 9/11/2023 | | | 0.01 | | <0.005 | |
| 9/12/2023 | | | | | | 0.001 (J) |
| 9/13/2023 | | | | 0.18 | | |
| Mean | 0.04435 | 0.002914 | 0.01288 | 0.155 | 0.003161 | 0.0009886 |
| Std. Dev. | 0.02859 | 0.0005113 | 0.001727 | 0.03742 | 0.002295 | 0.0003684 |
| Upper Lim. | 0.07002 | 0.003522 | 0.01471 | 0.1915 | 0.005 | 0.001426 |
| Lower Lim. | 0.01754 | 0.002307 | 0.01104 | 0.1177 | 0.00056 | 0.0005509 |

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-111D | B-56 | B-62 | B-63 | B-66 | B-77 |
|------------|-------------|----------|-------------|------------|-----------|------------|
| 1/28/2019 | | | | 0.053 | | |
| 1/30/2019 | | | <0.005 | | <0.01 | |
| 9/11/2019 | | | 0.0003 (J) | 0.043 | | |
| 9/12/2019 | | | | | 0.006 | |
| 9/18/2019 | | | | | | 0.0031 (J) |
| 10/21/2019 | | | 0.00031 (J) | | 0.0074 | |
| 10/22/2019 | | | | 0.046 | | |
| 10/24/2019 | | | | | | 0.0021 (J) |
| 8/13/2020 | | | <0.005 | | | 0.0011 (J) |
| 8/17/2020 | | 0.042 | | | | |
| 9/24/2020 | | | <0.005 | | | 0.0004 (J) |
| 9/28/2020 | | 0.042 | | | | |
| 12/9/2020 | 0.00076 (J) | | | | | |
| 1/12/2021 | 0.0007 (J) | | | | | |
| 3/3/2021 | | 0.05 | | | | |
| 3/4/2021 | | | | | | 0.0017 (J) |
| 3/5/2021 | 0.00052 (J) | | | | | |
| 3/12/2021 | | | <0.005 | 0.046 | 0.01 | |
| 9/9/2021 | | | <0.005 | | | |
| 9/13/2021 | | 0.047 | | | | |
| 9/14/2021 | <0.005 | | | 0.037 | 0.012 | <0.005 |
| 1/20/2022 | | | <0.005 | 0.039 | | <0.005 |
| 1/24/2022 | 0.00041 (J) | | | | | |
| 1/25/2022 | | | | | 0.013 | |
| 1/27/2022 | | 0.052 | | | | |
| 9/8/2022 | | | <0.005 | | | |
| 9/9/2022 | | | <0.005 | | | |
| 9/13/2022 | | | | | | <0.005 (D) |
| 9/14/2022 | <0.005 | | | 0.0465 (D) | | |
| 9/16/2022 | | 0.051 | | | 0.012 (D) | |
| 2/2/2023 | | | <0.005 | 0.027 | | |
| 2/6/2023 | | | | | | <0.005 |
| 2/7/2023 | 0.0004 (J) | 0.059 | | | 0.015 | |
| 9/7/2023 | | | <0.005 | 0.047 | | |
| 9/8/2023 | | 0.057 | | | | |
| 9/11/2023 | | | | | 0.02 | |
| 9/12/2023 | | | | | | <0.005 |
| 9/13/2023 | <0.005 | | | | | |
| Mean | 0.002224 | 0.05 | 0.004217 | 0.04272 | 0.01116 | 0.00334 |
| Std. Dev. | 0.002302 | 0.006234 | 0.001828 | 0.00753 | 0.004714 | 0.001877 |
| Upper Lim. | 0.005 | 0.05661 | 0.005 | 0.04999 | 0.01571 | 0.005 |
| Lower Lim. | 0.0004 | 0.04339 | 0.00031 | 0.03545 | 0.006605 | 0.0011 |

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|------------|--------------|----------|--------------|---------|----------|------------|
| 9/23/2019 | 0.0038 (J) | | | | | |
| 10/21/2019 | 0.0089 | 0.018 | | | | |
| 11/22/2019 | | | 0.018 (J) | | | |
| 12/19/2019 | | | | | 0.066 | |
| 8/14/2020 | | 0.021 | | | | |
| 8/17/2020 | 0.0028 (J) | | 0.0031 (J) | | | |
| 8/19/2020 | | | | | 0.068 | |
| 9/25/2020 | | 0.0073 | 0.0015 (J) | | | |
| 9/28/2020 | 0.0053 | | | | 0.064 | |
| 3/4/2021 | | 0.0099 | | | | |
| 3/5/2021 | | | 0.022 | | | |
| 3/9/2021 | | | | | 0.061 | |
| 3/12/2021 | 0.0021 (J) | | | | | |
| 9/13/2021 | | | 0.0018 (J) | | | |
| 9/14/2021 | 0.0015 (J) | | | | | |
| 9/15/2021 | | | | 0.063 | 0.062 | 0.003 (J) |
| 9/16/2021 | | 0.011 | | | | |
| 1/21/2022 | | 0.011 | | | | |
| 1/25/2022 | 0.0039 (J) | | | | | |
| 1/26/2022 | | | | 0.071 | 0.064 | 0.003 (J) |
| 1/27/2022 | | | 0.0038 (J) | | | |
| 9/12/2022 | | | | 0.073 | 0.057 | |
| 9/13/2022 | | 0.012 | | | | 0.0029 (J) |
| 9/16/2022 | 0.00175 (JD) | | 0.00135 (JD) | | | |
| 1/31/2023 | | | | 0.08 | 0.067 | |
| 2/1/2023 | | | | | | 0.0033 (J) |
| 2/3/2023 | | 0.012 | | | | |
| 2/7/2023 | 0.0028 (J) | | 0.0031 (J) | | | |
| 9/6/2023 | | | | 0.034 | 0.041 | 0.0029 (J) |
| 9/11/2023 | 0.0024 (J) | | | | | |
| 9/12/2023 | | 0.015 | 0.0022 (J) | | | |
| Mean | 0.003525 | 0.01302 | 0.006317 | 0.0642 | 0.06111 | 0.00302 |
| Std. Dev. | 0.002207 | 0.004259 | 0.007864 | 0.01794 | 0.008253 | 0.0001643 |
| Upper Lim. | 0.005192 | 0.01713 | 0.022 | 0.09426 | 0.06738 | 0.0033 |
| Lower Lim. | 0.0018 | 0.00891 | 0.00135 | 0.03414 | 0.05571 | 0.0029 |

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 | DGWC-15 |
|------------|-------------|---------|-------------|------------|-------------|------------|
| 8/31/2016 | | 0.193 | <0.01 | | | |
| 9/1/2016 | | | | 0.0021 (J) | | |
| 9/6/2016 | | | | | <0.005 | 0.0042 (J) |
| 12/6/2016 | | 0.2 | 0.0006 (J) | | | |
| 12/7/2016 | | | | 0.0026 (J) | <0.005 | 0.0028 (J) |
| 3/29/2017 | | 0.184 | <0.01 | 0.0026 (J) | | |
| 3/30/2017 | | | | | 0.0005 (J) | 0.0024 (J) |
| 7/12/2017 | | 0.177 | <0.01 | 0.0033 (J) | 0.0004 (J) | 0.002 (J) |
| 10/24/2017 | | 0.175 | <0.01 | | | |
| 10/25/2017 | | | | 0.0021 (J) | | 0.0019 (J) |
| 11/15/2017 | | | | | <0.005 | |
| 2/27/2018 | | 0.2 | <0.01 | <0.01 | | |
| 2/28/2018 | | | | | <0.005 | <0.01 |
| 7/11/2018 | | | | 0.002 (J) | | 0.0018 (J) |
| 11/6/2018 | | 0.2 | <0.01 | | | |
| 11/7/2018 | | | | <0.01 (J) | <0.005 | 0.025 |
| 8/27/2019 | | 0.13 | 0.00076 (J) | 0.0021 (J) | | |
| 8/28/2019 | | | | | <0.005 | 0.0015 (J) |
| 9/17/2019 | | | | 0.0079 | | |
| 10/15/2019 | | 0.17 | 0.0006 (J) | 0.0058 | | |
| 10/16/2019 | | | | | <0.005 | |
| 10/17/2019 | | | | | | 0.0018 (J) |
| 2/17/2020 | <0.005 | | | | | |
| 3/2/2020 | | | 0.00078 (J) | 0.029 | | |
| 3/3/2020 | | 0.18 | | | <0.005 | 0.0018 (J) |
| 8/11/2020 | | 0.11 | 0.00055 (J) | 0.006 | | |
| 8/12/2020 | | | | | <0.005 | |
| 8/13/2020 | | | | | | 0.0024 (J) |
| 9/22/2020 | | | 0.00098 (J) | 0.013 | | |
| 9/23/2020 | | | | | 0.00038 (J) | 0.0018 (J) |
| 9/24/2020 | | 0.086 | | | | |
| 3/2/2021 | | | 0.00065 (J) | | <0.005 | 0.0013 (J) |
| 3/3/2021 | | | | 0.01 | | |
| 3/4/2021 | | 0.071 | | | | |
| 3/15/2021 | <0.005 | | | | | |
| 9/9/2021 | | | 0.00081 (J) | 0.034 | <0.005 | 0.0016 (J) |
| 9/10/2021 | | 0.076 | | | | |
| 9/15/2021 | 0.0048 (J) | | | | | |
| 1/24/2022 | | | | | | 0.0015 (J) |
| 1/25/2022 | | | 0.0015 (J) | 0.018 | <0.005 | |
| 1/26/2022 | <0.005 | 0.099 | | | | |
| 9/13/2022 | 0.00063 (J) | | | | | 0.0016 (J) |
| 9/15/2022 | | 0.055 | 0.001 (J) | 0.025 | <0.005 | |
| 1/31/2023 | <0.005 | | | | | |
| 2/1/2023 | | | | | <0.005 | |
| 2/2/2023 | | 0.11 | | | | 0.0017 (J) |
| 2/6/2023 | | | 0.0013 (J) | 0.016 | | |
| 9/6/2023 | <0.005 | | | | | |
| 9/8/2023 | | | 0.0011 (J) | | <0.005 | 0.0018 (J) |
| 9/11/2023 | | 0.11 | | 0.017 | | |
| Mean | 0.004347 | 0.1403 | 0.003924 | 0.01042 | 0.004238 | 0.003363 |
| Std. Dev. | 0.001641 | 0.05094 | 0.004428 | 0.00976 | 0.001754 | 0.005323 |

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-98 | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 | DGWC-15 |
|------------|---------|---------|---------|----------|---------|---------|
| Upper Lim. | 0.005 | 0.193 | 0.01 | 0.01387 | 0.005 | 0.0028 |
| Lower Lim. | 0.00063 | 0.086 | 0.00065 | 0.004433 | 0.0005 | 0.0016 |

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-17 | DGWC-19 | DGWC-2 | DGWC-20 | DGWC-21 | DGWC-22 |
|------------|-----------|---------|------------|---------|------------|------------|
| 9/1/2016 | | 0.0553 | | | | |
| 9/2/2016 | | | | 0.497 | 0.0085 (J) | 0.0102 |
| 9/7/2016 | 0.0247 | | | | | |
| 12/7/2016 | | 0.0561 | | 0.614 | | |
| 12/8/2016 | 0.029 | | | | 0.0095 (J) | 0.0079 (J) |
| 3/29/2017 | | 0.0534 | | 0.443 | | 0.0097 (J) |
| 3/30/2017 | 0.0283 | | 0.0255 | | 0.0076 (J) | |
| 5/11/2017 | | | 0.0284 | | | |
| 6/15/2017 | | | 0.0238 | | | |
| 7/11/2017 | | | 0.0238 | | | |
| 7/12/2017 | 0.023 | 0.0489 | | 0.538 | 0.0092 (J) | |
| 7/13/2017 | | | | | | 0.0106 |
| 10/24/2017 | | | 0.0292 | | | |
| 10/25/2017 | 0.0259 | 0.0514 | | 0.432 | 0.0092 (J) | 0.0094 (J) |
| 2/27/2018 | | | 0.042 | | | |
| 2/28/2018 | 0.02 | 0.0511 | | 0.459 | <0.01 | <0.01 |
| 7/11/2018 | 0.025 | 0.051 | 0.02 | 0.47 | 0.0097 (J) | |
| 7/12/2018 | | | | | | 0.011 |
| 11/6/2018 | | | 0.024 | | | |
| 11/7/2018 | <0.01 (J) | 0.048 | | 0.42 | <0.01 (J) | <0.01 (J) |
| 8/27/2019 | 0.031 | | 0.0088 | | | |
| 8/28/2019 | | 0.048 | | | | |
| 8/29/2019 | | | | 0.66 | 0.01 | 0.0094 |
| 10/16/2019 | | 0.046 | | | | |
| 10/17/2019 | | | 0.0084 | 0.57 | 0.01 | |
| 10/18/2019 | 0.023 | | | | | 0.0084 |
| 3/3/2020 | | 0.054 | 0.0073 | | 0.01 | 0.0098 |
| 3/4/2020 | 0.023 | | | 0.84 | | |
| 8/11/2020 | | 0.049 | 0.0064 | | | |
| 8/13/2020 | | | | 0.73 | | |
| 8/14/2020 | 0.026 | | | | 0.0098 | 0.0087 |
| 9/22/2020 | | 0.051 | | 0.47 | | |
| 9/23/2020 | | | 0.0062 | | | |
| 9/24/2020 | 0.028 | | | | 0.01 | 0.01 |
| 3/2/2021 | | 0.051 | 0.0055 | 0.77 | | |
| 3/3/2021 | 0.016 | | | | 0.0087 | 0.0078 |
| 9/9/2021 | | 0.055 | 0.0048 (J) | | 0.0096 | |
| 9/10/2021 | | | | 0.45 | | 0.0076 |
| 9/13/2021 | 0.019 | | | | | |
| 1/20/2022 | | | 0.004 (J) | | 0.0076 | 0.0075 |
| 1/21/2022 | | | | 0.95 | | |
| 1/24/2022 | 0.019 | | | | | |
| 1/25/2022 | | 0.054 | | | | |
| 9/14/2022 | 0.016 | 0.052 | | | | |
| 9/15/2022 | | | | 0.75 | 0.0081 | |
| 9/16/2022 | | | | | | 0.0098 |
| 9/20/2022 | | | 0.0028 (J) | | | |
| 2/6/2023 | 0.017 | 0.055 | 0.0024 (J) | | | 0.0058 |
| 2/7/2023 | | | | 1 | 0.0088 | |
| 9/8/2023 | | 0.051 | | | | |
| 9/11/2023 | | | | 1.4 | 0.0097 | 0.0074 |
| 9/13/2023 | 0.02 | | 0.0024 (J) | | | |

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-17 | DGWC-19 | DGWC-2 | DGWC-20 | DGWC-21 | DGWC-22 |
|------------|----------|----------|----------|---------|----------|----------|
| Mean | 0.02205 | 0.05164 | 0.01451 | 0.6559 | 0.008737 | 0.008474 |
| Std. Dev. | 0.006093 | 0.002838 | 0.0119 | 0.2549 | 0.001529 | 0.001794 |
| Upper Lim. | 0.02561 | 0.0533 | 0.01871 | 0.7547 | 0.009608 | 0.009524 |
| Lower Lim. | 0.01848 | 0.04998 | 0.006293 | 0.506 | 0.008469 | 0.007423 |

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 | DGWC-48 | DGWC-5 |
|------------|-------------|------------|---------|---------|---------|------------|
| 8/31/2016 | | | | | | 0.055 |
| 9/1/2016 | | | | 0.536 | 0.539 | |
| 9/7/2016 | | | 0.0695 | | | |
| 12/6/2016 | | | | | | 0.0432 |
| 12/8/2016 | | | 0.0652 | 0.381 | 0.575 | |
| 3/28/2017 | | 0.0018 (J) | | | | 0.04 |
| 3/30/2017 | <0.005 | | | | 0.573 | |
| 3/31/2017 | | | 0.0524 | 0.354 | | |
| 5/12/2017 | <0.005 | 0.0015 (J) | | | | |
| 6/15/2017 | 0.0003 (J) | 0.0015 (J) | | | | |
| 7/11/2017 | | 0.0015 (J) | | | | 0.0351 (J) |
| 7/12/2017 | <0.005 | | | | | |
| 7/13/2017 | | | 0.0481 | 0.396 | 0.531 | |
| 10/24/2017 | | 0.0017 (J) | | | | |
| 10/25/2017 | | | 0.0435 | | | 0.0209 |
| 10/26/2017 | <0.005 | | | 0.383 | 0.482 | |
| 2/27/2018 | | <0.01 | | | | 0.024 |
| 2/28/2018 | | | 0.0167 | | | |
| 3/1/2018 | <0.005 | | | 0.401 | | |
| 3/2/2018 | | | | | 0.49 | |
| 7/11/2018 | | | 0.019 | | | |
| 7/12/2018 | <0.005 | | | 0.36 | 0.46 | |
| 11/6/2018 | | <0.01 (J) | | | | 0.019 |
| 11/7/2018 | | | 0.02 | 0.35 | 0.48 | |
| 11/8/2018 | <0.01 (J) | | | | | |
| 8/27/2019 | | 0.0018 (J) | | | | 0.02 |
| 8/28/2019 | | | 0.029 | | | |
| 8/29/2019 | 0.00036 (J) | | | 0.28 | 0.42 | |
| 10/15/2019 | | 0.0018 (J) | | | | |
| 10/16/2019 | | | | | | 0.022 |
| 10/17/2019 | | | 0.03 | 0.26 | | |
| 10/18/2019 | <0.005 | | | | 0.41 | |
| 3/2/2020 | | 0.0021 (J) | | | | 0.028 |
| 3/4/2020 | 0.00043 (J) | | 0.014 | 0.28 | 0.42 | |
| 8/12/2020 | | 0.0018 (J) | | 0.21 | | 0.021 |
| 8/13/2020 | 0.00048 (J) | | 0.025 | | 0.35 | |
| 9/22/2020 | | 0.0014 (J) | 0.014 | | | 0.02 |
| 9/23/2020 | | | | 0.17 | 0.37 | |
| 9/24/2020 | <0.005 | | | | | |
| 3/1/2021 | | 0.002 (J) | | | | |
| 3/2/2021 | | | | | | 0.021 |
| 3/3/2021 | 0.00039 (J) | | 0.0087 | 0.2 | 0.36 | |
| 9/9/2021 | 0.00049 (J) | | | | | |
| 9/10/2021 | | 0.0019 (J) | | 0.23 | 0.36 | 0.022 |
| 9/13/2021 | | | 0.008 | | | |
| 1/20/2022 | 0.00058 (J) | | 0.0056 | | | |
| 1/21/2022 | | | | 0.24 | | |
| 1/24/2022 | | 0.0019 (J) | | | 0.34 | 0.025 |
| 9/13/2022 | | | 0.0069 | 0.21 | 0.31 | |
| 9/14/2022 | | | | | | 0.027 |
| 9/19/2022 | | 0.0018 (J) | | | | |
| 9/20/2022 | 0.00053 (J) | | | | | |

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 | DGWC-48 | DGWC-5 |
|------------|-------------|------------|---------|---------|---------|---------|
| 2/1/2023 | | | 0.0068 | | | |
| 2/3/2023 | | 0.0018 (J) | | 0.21 | 0.31 | |
| 2/6/2023 | 0.00064 (J) | | | | | |
| 2/7/2023 | | | | | | 0.021 |
| 9/11/2023 | 0.00074 (J) | | | | | |
| 9/12/2023 | | | | 0.18 | | |
| 9/13/2023 | | 0.0018 (J) | 0.008 | | 0.31 | 0.016 |
| Mean | 0.002892 | 0.002117 | 0.02581 | 0.2964 | 0.4258 | 0.02668 |
| Std. Dev. | 0.002826 | 0.001065 | 0.02042 | 0.09827 | 0.08964 | 0.01021 |
| Upper Lim. | 0.005 | 0.002 | 0.03424 | 0.3539 | 0.4783 | 0.0351 |
| Lower Lim. | 0.00043 | 0.0017 | 0.01286 | 0.2388 | 0.3733 | 0.02 |

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-8 | DGWC-9 |
|------------|------------|---------|
| 8/30/2016 | 0.0568 | 0.0896 |
| 12/6/2016 | 0.0873 | 0.122 |
| 3/28/2017 | | 0.124 |
| 3/29/2017 | 0.0902 | |
| 7/11/2017 | 0.0601 | 0.136 |
| 10/24/2017 | 0.123 | 0.151 |
| 2/27/2018 | 0.126 | 0.163 |
| 7/11/2018 | | 0.18 |
| 11/6/2018 | 0.077 | 0.2 |
| 8/27/2019 | | 0.24 |
| 8/28/2019 | 0.051 | |
| 10/16/2019 | 0.054 | |
| 10/17/2019 | | 0.21 |
| 3/3/2020 | 0.044 | 0.2 |
| 8/11/2020 | | 0.22 |
| 8/12/2020 | 0.053 | |
| 9/22/2020 | | 0.16 |
| 9/23/2020 | 0.04 | |
| 3/2/2021 | 0.033 | 0.18 |
| 9/10/2021 | | 0.21 |
| 9/13/2021 | 0.028 | |
| 1/25/2022 | 0.019 | |
| 1/26/2022 | | 0.22 |
| 9/15/2022 | 0.0046 (J) | |
| 9/19/2022 | | 0.25 |
| 2/3/2023 | | 0.21 |
| 2/7/2023 | 0.0018 (J) | |
| 9/12/2023 | 0.003 (J) | |
| Mean | 0.05288 | 0.1814 |
| Std. Dev. | 0.03705 | 0.04426 |
| Upper Lim. | 0.07529 | 0.2082 |
| Lower Lim. | 0.03046 | 0.1546 |

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-100 | B-101D | B-102D | B-104D | B-106D | B-107D |
|------------|-----------|-----------|-----------|--------|-----------|-----------|
| 8/17/2020 | 1.4 (U) | | | | | |
| 9/25/2020 | 0.799 (U) | | | | | |
| 12/9/2020 | | | | 15.2 | | 1.49 |
| 12/17/2020 | | | 1.22 (U) | | 0.952 (U) | |
| 1/11/2021 | | | 0.635 (U) | | | |
| 1/12/2021 | | 1.91 | | 17 | | |
| 3/4/2021 | | | 0.789 (U) | 14.5 | 0.681 (U) | 2.14 |
| 3/5/2021 | | 2.17 | | | | |
| 3/8/2021 | 0.168 (U) | | | | | |
| 9/10/2021 | | | 1.74 | | | |
| 9/13/2021 | 0.774 (U) | 1.8 | | | 0.625 (U) | 0.813 (U) |
| 9/14/2021 | | | | 9.6 | | |
| 1/21/2022 | 0.769 (U) | | | | | |
| 1/24/2022 | | | | 11.9 | | 1.14 (U) |
| 1/25/2022 | | | | | 0.454 (U) | |
| 1/26/2022 | | 1.21 | | | | |
| 1/27/2022 | | | 0.628 (U) | | | |
| 9/8/2022 | 0.643 (U) | | | | | |
| 9/13/2022 | | | | 9.12 | | |
| 9/14/2022 | | | | | | 0.737 (U) |
| 9/15/2022 | | | 0.61 (U) | | | |
| 9/16/2022 | | 1.64 | | | 0.655 (U) | |
| 2/2/2023 | 0.981 | | 0.676 (U) | | | |
| 2/3/2023 | | 0.426 (U) | | 14.8 | | |
| 2/6/2023 | | | | | | 0.459 (U) |
| 2/7/2023 | | | | | 0.642 (U) | |
| 9/6/2023 | 0.326 (U) | | | | | |
| 9/8/2023 | | 1.57 | | | | |
| 9/11/2023 | | | 1.25 | | 0.61 (U) | |
| 9/12/2023 | | | | | | 0.907 (U) |
| 9/13/2023 | | | | 13.9 | | |
| Mean | 0.7325 | 1.532 | 0.9435 | 13.25 | 0.6599 | 1.098 |
| Std. Dev. | 0.3792 | 0.5718 | 0.4151 | 2.789 | 0.1484 | 0.5624 |
| Upper Lim. | 1.134 | 2.211 | 1.74 | 16.21 | 0.8362 | 1.766 |
| Lower Lim. | 0.3305 | 0.8531 | 0.61 | 10.3 | 0.4835 | 0.43 |

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-108D | B-111D | B-56 | B-62 | B-63 | B-77 |
|------------|-----------|--------|-----------|----------|-----------|-----------|
| 1/28/2019 | | | | | 2.14 (U) | |
| 1/30/2019 | | | | 1.97 (U) | | |
| 10/21/2019 | | | | 1.82 | | |
| 10/22/2019 | | | | | 1.28 (U) | |
| 10/24/2019 | | | | | | 1.87 |
| 8/13/2020 | | | | 1.63 | | 2.17 |
| 8/17/2020 | | | 1.15 (U) | | | |
| 9/24/2020 | | | | 1.28 (U) | | 0.761 (U) |
| 9/28/2020 | | | 1.39 | | | |
| 12/9/2020 | 1.31 (U) | 12.3 | | | | |
| 1/12/2021 | | 9.63 | | | | |
| 3/3/2021 | | | 1.01 (U) | | | |
| 3/4/2021 | 2.02 | | | | | 2.16 |
| 3/5/2021 | | 9.05 | | | | |
| 3/12/2021 | | | | 1.18 (U) | | |
| 9/9/2021 | | | | 1.7 | | |
| 9/13/2021 | | | 0.854 (U) | | | |
| 9/14/2021 | 0.917 (U) | 4.39 | | | 1.68 | 0.617 (U) |
| 1/20/2022 | | | | 1.71 | 0.846 (U) | 0.92 |
| 1/24/2022 | 0.812 (U) | 5.68 | | | | |
| 1/27/2022 | | | 0.831 (U) | | | |
| 9/9/2022 | | | | 1.96 | | |
| 9/13/2022 | | | | | | 1.11 |
| 9/14/2022 | | 6.23 | | | 1.61 | |
| 9/15/2022 | 1.36 | | | | | |
| 9/16/2022 | | | 0.752 (U) | | | |
| 2/2/2023 | | | | 1.6 | 1.01 | |
| 2/6/2023 | | | | | | 0.747 (U) |
| 2/7/2023 | 0.975 | 6.24 | 1.01 (U) | | | |
| 9/7/2023 | | | | 2.24 | 0.988 (U) | |
| 9/8/2023 | | | 0.859 (U) | | | |
| 9/12/2023 | | | | | | 1.16 |
| 9/13/2023 | 1.12 | 8.6 | | | | |
| Mean | 1.216 | 7.765 | 0.982 | 1.709 | 1.365 | 1.279 |
| Std. Dev. | 0.4074 | 2.586 | 0.2082 | 0.3175 | 0.4663 | 0.6205 |
| Upper Lim. | 1.7 | 10.51 | 1.203 | 1.992 | 1.919 | 1.854 |
| Lower Lim. | 0.7324 | 5.024 | 0.7613 | 1.426 | 0.811 | 0.7112 |

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-82 | B-83 | B-88 | B-92 | B-93 | B-97 |
|------------|-----------|------------|-----------|----------|-----------|----------|
| 10/21/2019 | 0.63 (U) | 0.792 (U) | | | | |
| 8/14/2020 | | 0.95 (U) | | | | |
| 8/17/2020 | 0.662 (U) | | 2.47 | | | |
| 8/19/2020 | | | | | 1.19 (U) | |
| 9/25/2020 | | 0.0359 (U) | 0.925 (U) | | | |
| 9/28/2020 | 0.747 (U) | | | | 1.54 | |
| 3/4/2021 | | 1.15 (U) | | | | |
| 3/5/2021 | | | 2.84 | | | |
| 3/9/2021 | | | | | 0.786 (U) | |
| 9/13/2021 | | | 0.771 (U) | | | |
| 9/14/2021 | 1.03 (U) | | | | | |
| 9/15/2021 | | | | 1.39 | 1.84 | 2.11 |
| 9/16/2021 | | 0.442 (U) | | | | |
| 1/21/2022 | | 0.549 (U) | | | | |
| 1/25/2022 | 0.33 (U) | | | | | |
| 1/26/2022 | | | | 1.27 (U) | 0.758 (U) | 1.47 (U) |
| 1/27/2022 | | | 1.18 | | | |
| 9/12/2022 | | | | 2.34 | 1.09 | |
| 9/13/2022 | | 0.893 (U) | | | | 1.11 |
| 9/16/2022 | 0.694 (U) | | 1.25 | | | |
| 1/31/2023 | | | | 2.04 | 1.68 | |
| 2/1/2023 | | | | | | 1.33 |
| 2/3/2023 | | 0.279 (U) | | | | |
| 2/7/2023 | 0.776 (U) | | 1.77 | | | |
| 9/6/2023 | | | | 1.41 | 1.05 | 1.06 (U) |
| 9/11/2023 | 0.212 (U) | | | | | |
| 9/12/2023 | | 0.0781 (U) | 1.16 | | | |
| Mean | 0.6351 | 0.5743 | 1.546 | 1.69 | 1.242 | 1.416 |
| Std. Dev. | 0.2576 | 0.3973 | 0.7498 | 0.4716 | 0.4041 | 0.422 |
| Upper Lim. | 0.9082 | 0.958 | 2.34 | 2.48 | 1.67 | 2.123 |
| Lower Lim. | 0.362 | 0.1907 | 0.751 | 0.8997 | 0.8134 | 0.7089 |

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 | DGWC-14 | DGWC-15 |
|------------|-----------|-----------|------------|-----------|-----------|-----------|
| 8/31/2016 | 1.08 | 1.09 | | | 0.997 (U) | |
| 9/1/2016 | | | 1.11 | | | |
| 9/6/2016 | | | | 1.32 | | 0.731 (U) |
| 12/6/2016 | 1.31 | 0.409 (U) | | | 0.659 (U) | |
| 12/7/2016 | | | 2.66 | 1.76 | | 1.73 |
| 3/29/2017 | 1.24 | 0.727 | 0.0726 (U) | | 0.313 (U) | |
| 3/30/2017 | | | | 1.59 | | 0.276 (U) |
| 7/12/2017 | 0.831 | 0.85 (U) | 0.538 (U) | 1.36 | 1.03 (U) | 0.584 (U) |
| 10/24/2017 | 0.838 (U) | 0.98 (U) | | | | |
| 10/25/2017 | | | 0.216 (U) | | 0.607 (U) | 0.454 (U) |
| 11/15/2017 | | | | 1.08 (U) | | |
| 2/27/2018 | 1.55 | 1.14 | 0.83 | | 0.695 (U) | |
| 2/28/2018 | | | | 0.721 (U) | | 1.25 |
| 7/10/2018 | 1.65 | 0.495 (U) | | 0.746 (U) | | |
| 7/11/2018 | | | 0.728 (U) | | 1.04 (U) | 2.13 |
| 11/6/2018 | 1.46 | 1.41 | | | | |
| 11/7/2018 | | | 0.414 (U) | 1.22 (U) | 0.593 (U) | 0.786 (U) |
| 8/27/2019 | 1.58 | 2.13 | 0.434 (U) | | 1.17 (U) | |
| 8/28/2019 | | | | 1.43 | | 1.01 (U) |
| 10/15/2019 | 0.831 (U) | 0.622 (U) | 0.359 (U) | | | |
| 10/16/2019 | | | | 1.73 | 1.04 (U) | |
| 10/17/2019 | | | | | | 1.03 (U) |
| 3/2/2020 | | 1.3 | 1.2 (U) | | | |
| 3/3/2020 | 1.69 | | | 1.03 | 1.44 | 0.293 (U) |
| 8/11/2020 | 1.45 | 1.02 | 0.77 (U) | | 1.17 (U) | |
| 8/12/2020 | | | | 1.63 | | |
| 8/13/2020 | | | | | | 3.58 |
| 9/22/2020 | | 0.502 (U) | 0.515 (U) | | 1.2 (U) | |
| 9/23/2020 | | | | 0.935 (U) | | 1.69 (U) |
| 9/24/2020 | 1.39 | | | | | |
| 3/2/2021 | | 0.666 (U) | | 1.12 (U) | 0.861 (U) | 0.599 (U) |
| 3/3/2021 | | | 1.85 | | | |
| 3/4/2021 | 1.48 | | | | | |
| 9/9/2021 | | 1.2 (U) | 1.78 | 1.23 (U) | 0.643 (U) | 0.624 (U) |
| 9/10/2021 | 0.882 (U) | | | | | |
| 1/24/2022 | | | | | | 0.534 (U) |
| 1/25/2022 | | 0.983 (U) | 0.739 (U) | 0.254 (U) | 0.229 (U) | |
| 1/26/2022 | 1.21 | | | | | |
| 9/13/2022 | | | | | 0.538 (U) | 0.761 (U) |
| 9/15/2022 | 0.953 | 1.12 | 0.52 (U) | 1.01 | | |
| 2/1/2023 | | | | 0.819 (U) | 0.794 (U) | |
| 2/2/2023 | 1.47 | | | | | 0.991 |
| 2/6/2023 | | 0.442 (U) | 1 (U) | | | |
| 9/8/2023 | | 1.2 | | 0.771 (U) | 0.75 (U) | 0.673 (U) |
| 9/11/2023 | 1.09 | | 1.02 | | | |
| Mean | 1.262 | 0.9624 | 0.8819 | 1.145 | 0.8299 | 1.038 |
| Std. Dev. | 0.2943 | 0.4181 | 0.638 | 0.3933 | 0.3168 | 0.7914 |
| Upper Lim. | 1.435 | 1.207 | 1.155 | 1.375 | 1.015 | 1.35 |
| Lower Lim. | 1.09 | 0.7176 | 0.4803 | 0.9148 | 0.6444 | 0.5899 |

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-17 | DGWC-19 | DGWC-2 | DGWC-20 | DGWC-21 | DGWC-22 |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 9/1/2016 | | 1.07 (U) | | | | |
| 9/2/2016 | | | | 1.48 | 0.908 (U) | 1.54 |
| 9/7/2016 | 1.17 | | | | | |
| 12/7/2016 | | 0.903 (U) | | 1.26 (U) | | |
| 12/8/2016 | 1.65 | | | | 1.03 (U) | 0.505 (U) |
| 3/29/2017 | | 0.302 (U) | | 0.373 (U) | | 0.715 (U) |
| 3/30/2017 | 0.865 (U) | | 0.737 (U) | | 0.884 (U) | |
| 5/11/2017 | | | 0.892 (U) | | | |
| 6/15/2017 | | | 0.979 (U) | | | |
| 7/11/2017 | | | 0.871 (U) | | | |
| 7/12/2017 | 0.362 (U) | 0.283 (U) | | 0.91 (U) | 1.22 | |
| 7/13/2017 | | | | | | 1.14 |
| 10/24/2017 | | | 1.19 | | | |
| 10/25/2017 | 0.401 (U) | 0.927 (U) | | 0.853 (U) | 1.07 (U) | 1.6 |
| 2/27/2018 | | | 0.863 (U) | | | |
| 2/28/2018 | 1.1 (U) | 0.813 (U) | | 0.727 (U) | 1.45 | 0.918 (U) |
| 7/11/2018 | 0.64 (U) | 0.751 (U) | 0.663 (U) | 1.3 | 1.59 | |
| 7/12/2018 | | | | | | 0.981 (U) |
| 11/6/2018 | | | 0.664 | | | |
| 11/7/2018 | 0.795 (U) | 1.02 | | 0.746 (U) | 1.16 | 0.832 (U) |
| 8/27/2019 | 1.12 | | 1.6 | | | |
| 8/28/2019 | | 0.661 (U) | | | | |
| 8/29/2019 | | | | 0.996 (U) | 0.582 (U) | 1.87 |
| 10/16/2019 | | 1.79 | | | | |
| 10/17/2019 | | | 1.74 | 2 | 0.427 (U) | |
| 10/18/2019 | 0.89 (U) | | | | | 1.1 (U) |
| 3/3/2020 | | 0.383 (U) | 1.23 | | 0.567 (U) | 0.517 (U) |
| 3/4/2020 | 0.493 (U) | | | 1.67 | | |
| 8/11/2020 | | 0.723 (U) | 1.37 | | | |
| 8/13/2020 | | | | 1.77 | | |
| 8/14/2020 | 0.804 (U) | | | | 0.602 (U) | 1.83 |
| 9/22/2020 | | 0.96 (U) | | 1.61 (U) | | |
| 9/23/2020 | | | 1.96 (U) | | | |
| 9/24/2020 | 0.369 (U) | | | | 0.396 (U) | 1.02 (U) |
| 3/2/2021 | | 0.775 (U) | 1.54 (U) | 1.76 | | |
| 3/3/2021 | 0.66 (U) | | | | 0.248 (U) | 0.547 (U) |
| 9/9/2021 | | 0.239 (U) | 1.22 (U) | | 0.702 (U) | |
| 9/10/2021 | | | | 0.689 (U) | | 0.616 (U) |
| 9/13/2021 | 0.85 (U) | | | | | |
| 1/20/2022 | | | 0.722 (U) | | 0.337 (U) | 0.298 (U) |
| 1/21/2022 | | | | 0.826 (U) | | |
| 1/24/2022 | 0.692 (U) | | | | | |
| 1/25/2022 | | 0.415 (U) | | | | |
| 9/14/2022 | 0.489 (U) | 0.674 (U) | | | | |
| 9/15/2022 | | | | 1.38 | 0.771 (U) | |
| 9/16/2022 | | | | | | 1.01 |
| 9/20/2022 | | | 0.45 (U) | | | |
| 2/6/2023 | 0.809 (U) | 1.23 | 0.5 (U) | | | 0.975 |
| 2/7/2023 | | | | 1.92 | 0.582 (U) | |
| 9/8/2023 | | 0.371 (U) | | | | |
| 9/11/2023 | | | | 1.45 | 0.429 (U) | 0.58 (U) |
| 9/13/2023 | 1.02 (U) | | 0.864 (U) | | | |

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-17 | DGWC-19 | DGWC-2 | DGWC-20 | DGWC-21 | DGWC-22 |
|------------|---------|---------|--------|---------|---------|---------|
| Mean | 0.7989 | 0.7521 | 1.056 | 1.248 | 0.7871 | 0.9786 |
| Std. Dev. | 0.3249 | 0.3855 | 0.43 | 0.4766 | 0.3838 | 0.4556 |
| Upper Lim. | 0.9891 | 0.9779 | 1.307 | 1.528 | 1.012 | 1.245 |
| Lower Lim. | 0.6087 | 0.5263 | 0.8037 | 0.9693 | 0.5623 | 0.7119 |

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 | DGWC-48 | DGWC-5 |
|------------|-----------|-----------|------------|-----------|-----------|-----------|
| 8/31/2016 | | | | | | 2.49 |
| 9/1/2016 | | | | 4.47 | 2.37 | |
| 9/7/2016 | | | 0.876 (U) | | | |
| 12/6/2016 | | | | | | 0.348 (U) |
| 12/8/2016 | | | 0.955 | 2.88 | 2.87 | |
| 3/28/2017 | | 1.36 | | | | 0.693 (U) |
| 3/30/2017 | 0.297 (U) | | | | 1.71 | |
| 3/31/2017 | | | 0.102 (U) | 1.14 | | |
| 5/12/2017 | 0.693 (U) | 1.15 | | | | |
| 6/15/2017 | 0.435 (U) | 0.765 (U) | | | | |
| 7/11/2017 | | 1.13 | | | | 1.38 |
| 7/12/2017 | 0.703 (U) | | | | | |
| 7/13/2017 | | | 1.08 (U) | 2.37 | 1.78 | |
| 10/24/2017 | | 1.24 | | | | |
| 10/25/2017 | | | 1.46 | | | 2.06 |
| 10/26/2017 | 0.984 (U) | | | 2.88 | 3.74 | |
| 2/27/2018 | | 1.82 | | | | 1.97 |
| 2/28/2018 | | | 0.882 (U) | | | |
| 3/1/2018 | 0.743 (U) | | | 2.21 | | |
| 3/2/2018 | | | | | 2.26 | |
| 7/10/2018 | | 1.37 | | | | 1.03 (U) |
| 7/11/2018 | | | 0.924 (U) | | | |
| 7/12/2018 | 0.918 (U) | | | 1.73 | 1.81 | |
| 11/6/2018 | | 1.2 | | | | 1.13 |
| 11/7/2018 | | | 0.654 (U) | 1.72 | 1.94 | |
| 11/8/2018 | 1.47 | | | | | |
| 8/27/2019 | | 1.79 | | | | 1.81 |
| 8/28/2019 | | | 0.883 (U) | | | |
| 8/29/2019 | 2.21 | | | 3.05 | 2.37 | |
| 10/15/2019 | | 2.11 (U) | | | | |
| 10/16/2019 | | | | | | 1.63 |
| 10/17/2019 | | | 1.38 | 2.58 | | |
| 10/18/2019 | 1.32 | | | | 1.42 | |
| 3/2/2020 | | 1.99 | | | | 2.28 |
| 3/4/2020 | 1.39 | | 0.722 (U) | 1.68 | 1.31 | |
| 8/12/2020 | | 1.95 | | 2.56 | | 1.13 |
| 8/13/2020 | 1.48 (U) | | 1.23 (U) | | 1.74 | |
| 9/22/2020 | | 1.43 (U) | 1.03 (U) | | | 1.4 (U) |
| 9/23/2020 | | | | 2.3 (U) | 1.51 (U) | |
| 9/24/2020 | 1.49 | | | | | |
| 3/1/2021 | | 1.05 (U) | | | | |
| 3/2/2021 | | | | | | 0.971 (U) |
| 3/3/2021 | 1.05 (U) | | 0.92 (U) | 1.27 (U) | 1.41 | |
| 9/9/2021 | 1.81 | | | | | |
| 9/10/2021 | | 1.46 | | 2.32 | 2.21 | 1.15 |
| 9/13/2021 | | | 1.15 (U) | | | |
| 1/20/2022 | 0.61 (U) | | 0.0465 (U) | | | |
| 1/21/2022 | | | | 0.785 (U) | | |
| 1/24/2022 | | 0.944 (U) | | | 0.668 (U) | 0.807 (U) |
| 9/13/2022 | | | 0.829 (U) | 1.97 | 1.42 | |
| 9/14/2022 | | | | | | 0.665 (U) |
| 9/19/2022 | | 1.55 | | | | |

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 | DGWC-48 | DGWC-5 |
|------------|----------|-----------|-----------|---------|----------|----------|
| 9/20/2022 | 1.17 (U) | | | | | |
| 2/1/2023 | | | 0.599 (U) | | | |
| 2/3/2023 | | 1.51 | | 1.8 | 1.4 | |
| 2/6/2023 | 1.44 | | | | | |
| 2/7/2023 | | | | | | 1.26 |
| 9/11/2023 | 1.28 | | | | | |
| 9/12/2023 | | | | 2.19 | | |
| 9/13/2023 | | 0.964 (U) | 1.59 | | 1.22 (U) | 1.23 (U) |
| Mean | 1.131 | 1.41 | 0.9112 | 2.206 | 1.85 | 1.339 |
| Std. Dev. | 0.4867 | 0.3835 | 0.3942 | 0.8183 | 0.6857 | 0.5749 |
| Upper Lim. | 1.416 | 1.634 | 1.142 | 2.685 | 2.252 | 1.675 |
| Lower Lim. | 0.8462 | 1.185 | 0.6804 | 1.726 | 1.449 | 1.002 |

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-8 | DGWC-9 |
|------------|-----------|-----------|
| 8/30/2016 | 0.919 (U) | 1.33 |
| 12/6/2016 | 0.407 (U) | 0.828 (U) |
| 3/28/2017 | | 1.06 |
| 3/29/2017 | 0.28 (U) | |
| 7/11/2017 | 0.209 (U) | 0.62 (U) |
| 10/24/2017 | 0.615 (U) | 1.21 |
| 2/27/2018 | 1.05 (U) | 1.79 |
| 7/10/2018 | 0.363 (U) | |
| 7/11/2018 | | 1.81 |
| 11/6/2018 | 0.577 (U) | 1.13 |
| 8/27/2019 | | 1.55 |
| 8/28/2019 | 0.815 (U) | |
| 10/16/2019 | 0.999 (U) | |
| 10/17/2019 | | 0.702 (U) |
| 3/3/2020 | 0.481 (U) | 1.37 |
| 8/11/2020 | | 0.819 (U) |
| 8/12/2020 | 0.721 (U) | |
| 9/22/2020 | | 1.15 (U) |
| 9/23/2020 | 0.8 (U) | |
| 3/2/2021 | 0.751 (U) | 1.29 (U) |
| 9/10/2021 | | 1.28 |
| 9/13/2021 | 0.916 (U) | |
| 1/25/2022 | 0.356 (U) | |
| 1/26/2022 | | 0.789 (U) |
| 9/15/2022 | 0.896 | |
| 9/19/2022 | | 1.38 |
| 2/3/2023 | | 0.949 (U) |
| 2/7/2023 | 0.737 (U) | |
| 9/12/2023 | 0.63 (U) | |
| Mean | 0.6591 | 1.17 |
| Std. Dev. | 0.2529 | 0.3469 |
| Upper Lim. | 0.8071 | 1.38 |
| Lower Lim. | 0.511 | 0.9599 |

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-100 | B-102D | B-104D | B-106D | B-107D | B-108D |
|------------|-----------|-----------|--------|-----------|-----------|-----------|
| 8/17/2020 | <0.1 | | | | | |
| 9/25/2020 | <0.1 | | | | | |
| 12/9/2020 | | | 0.33 | | <0.1 | <0.1 |
| 12/17/2020 | | 0.079 (J) | | 0.052 (J) | | |
| 1/11/2021 | | 0.077 (J) | | | | |
| 1/12/2021 | | | 0.36 | | | |
| 3/4/2021 | | 0.11 | 0.43 | 0.055 (J) | <0.1 | <0.1 |
| 3/8/2021 | <0.1 | | | | | |
| 9/10/2021 | | 0.083 (J) | | | | |
| 9/13/2021 | <0.1 | | | 0.052 (J) | <0.1 | |
| 9/14/2021 | | | 0.5 | | | <0.1 |
| 1/21/2022 | <0.1 | | | | | |
| 1/24/2022 | | | 0.28 | | <0.1 | <0.1 |
| 1/25/2022 | | | | <0.1 | | |
| 1/27/2022 | | 0.062 (J) | | | | |
| 9/8/2022 | 0.072 (J) | | | | | |
| 9/13/2022 | | | 0.35 | | | |
| 9/14/2022 | | | | | 0.053 (J) | |
| 9/15/2022 | | 0.11 | | | | 0.061 (J) |
| 9/16/2022 | | | | 0.08 (J) | | |
| 2/2/2023 | 0.052 (J) | 0.091 (J) | | | | |
| 2/3/2023 | | | 0.36 | | | |
| 2/6/2023 | | | | | <0.1 | |
| 2/7/2023 | | | | 0.067 (J) | | <0.1 |
| 9/6/2023 | <0.1 | | | | | |
| 9/11/2023 | | 0.1 | | 0.067 (J) | | |
| 9/12/2023 | | | | | <0.1 | |
| 9/13/2023 | | | 0.3 | | | <0.1 |
| Mean | 0.0905 | 0.089 | 0.3638 | 0.06043 | 0.09329 | 0.09443 |
| Std. Dev. | 0.01838 | 0.01697 | 0.0711 | 0.01118 | 0.01776 | 0.01474 |
| Upper Lim. | 0.1 | 0.107 | 0.4391 | 0.07371 | 0.1 | 0.1 |
| Lower Lim. | 0.052 | 0.07101 | 0.2884 | 0.04715 | 0.053 | 0.061 |

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-111D | B-120D | B-56 | B-62 | B-63 | B-66 |
|------------|---------|-----------|-----------|-----------|---------|---------|
| 1/28/2019 | | | | | 0.45 | |
| 1/30/2019 | | | | 0.43 | | 0.51 |
| 10/21/2019 | | | | 0.23 (J) | | 0.3 (J) |
| 10/22/2019 | | | | | 0.2 (J) | |
| 8/13/2020 | | | | 0.11 | | |
| 8/17/2020 | | | 0.19 | | | |
| 9/24/2020 | | | | 0.093 (J) | | |
| 9/28/2020 | | | 0.098 (J) | | | |
| 12/9/2020 | 0.33 | | | | | |
| 1/12/2021 | 0.32 | | | | | |
| 3/3/2021 | | | 0.34 | | | |
| 3/5/2021 | 0.51 | | | | | |
| 3/12/2021 | | | | 0.11 | | |
| 4/15/2021 | | <0.1 | | | | |
| 9/9/2021 | | | | 0.14 | | |
| 9/13/2021 | | | 0.2 | | | |
| 9/14/2021 | 0.57 | <0.1 | | | 0.16 | 0.22 |
| 1/20/2022 | | <0.1 | | 0.099 (J) | 0.12 | |
| 1/24/2022 | 0.38 | | | | | |
| 1/25/2022 | | | | | | 0.12 |
| 1/27/2022 | | | 0.21 | | | |
| 9/8/2022 | | | | 0.13 | | |
| 9/14/2022 | 0.38 | | | | 0.14 | |
| 9/16/2022 | | | 0.22 | | | 0.18 |
| 9/19/2022 | | 0.057 (J) | | | | |
| 2/2/2023 | | | | 0.16 | 0.13 | |
| 2/3/2023 | | 0.052 (J) | | | | |
| 2/7/2023 | 0.36 | | 0.19 | | | 0.12 |
| 9/7/2023 | | | | 0.13 | 0.12 | |
| 9/8/2023 | | | 0.24 | | | |
| 9/11/2023 | | | | | | 0.12 |
| 9/12/2023 | | <0.1 | | | | |
| 9/13/2023 | 0.36 | | | | | |
| Mean | 0.4013 | 0.08483 | 0.211 | 0.1632 | 0.1886 | 0.2243 |
| Std. Dev. | 0.08967 | 0.02355 | 0.06691 | 0.1017 | 0.1187 | 0.1426 |
| Upper Lim. | 0.57 | 0.1 | 0.2819 | 0.23 | 0.45 | 0.3829 |
| Lower Lim. | 0.32 | 0.052 | 0.1401 | 0.099 | 0.12 | 0.08636 |

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-77 | B-82 | B-83 | B-88 | B-92 | B-93 |
|------------|-----------|-----------|-----------|-----------|---------|--------|
| 10/21/2019 | | 0.2 (J) | 0.13 (J) | | | |
| 10/24/2019 | 0.096 (J) | | | | | |
| 8/13/2020 | <0.1 | | | | | |
| 8/14/2020 | | | 0.05 (J) | | | |
| 8/17/2020 | | <0.1 | | <0.1 | | |
| 8/19/2020 | | | | | | 0.32 |
| 9/24/2020 | <0.1 | | | | | |
| 9/25/2020 | | | <0.1 | <0.1 | | |
| 9/28/2020 | | <0.1 | | | | 0.3 |
| 3/4/2021 | <0.1 | | 0.071 (J) | | | |
| 3/5/2021 | | | | <0.1 | | |
| 3/9/2021 | | | | | | 0.34 |
| 9/13/2021 | | | | <0.1 | | |
| 9/14/2021 | 0.078 (J) | 0.052 (J) | | | | |
| 9/15/2021 | | | | | 0.18 | 0.34 |
| 9/16/2021 | | | 0.066 (J) | | | |
| 1/20/2022 | <0.1 | | | | | |
| 1/21/2022 | | | <0.1 | | | |
| 1/25/2022 | | <0.1 | | | | |
| 1/26/2022 | | | | | 0.3 | 0.41 |
| 1/27/2022 | | | | <0.1 | | |
| 9/12/2022 | | | | | 0.24 | 0.4 |
| 9/13/2022 | 0.08 (J) | | 0.081 (J) | | | |
| 9/16/2022 | | 0.079 (J) | | 0.054 (J) | | |
| 1/31/2023 | | | | | 0.2 | 0.4 |
| 2/3/2023 | | | 0.12 | | | |
| 2/6/2023 | 0.069 (J) | | | | | |
| 2/7/2023 | | 0.086 (J) | | <0.1 | | |
| 9/6/2023 | | | | | 0.26 | 0.26 |
| 9/11/2023 | | 0.11 | | | | |
| 9/12/2023 | 0.069 (J) | | 0.087 (J) | <0.1 | | |
| Mean | 0.088 | 0.1034 | 0.08944 | 0.09425 | 0.236 | 0.3463 |
| Std. Dev. | 0.01381 | 0.04301 | 0.0258 | 0.01626 | 0.04775 | 0.0537 |
| Upper Lim. | 0.1 | 0.1346 | 0.1074 | 0.1 | 0.316 | 0.4032 |
| Lower Lim. | 0.069 | 0.05246 | 0.05862 | 0.054 | 0.156 | 0.2893 |

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-97 | B-98 | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 |
|------------|-----------|-----------|---------|-----------|-----------|-----------|
| 8/31/2016 | | | 1 | 0.06 (J) | | |
| 9/1/2016 | | | | | 0.02 (J) | |
| 9/6/2016 | | | | | | 0.17 (J) |
| 12/6/2016 | | | 1.3 | 0.06 (J) | | |
| 12/7/2016 | | | | | 0.16 (J) | 0.3 |
| 3/29/2017 | | | 1.5 | 0.04 (J) | 0.1 (J) | |
| 3/30/2017 | | | | | | 0.12 (J) |
| 7/12/2017 | | | 1.7 | 0.03 (J) | 0.2 (J) | 0.13 (J) |
| 10/24/2017 | | | 2.1 | <0.1 | | |
| 10/25/2017 | | | | | 0.6 | |
| 11/15/2017 | | | 1.4 | | | 0.44 |
| 2/27/2018 | | | 2.3 | <0.1 | 0.34 | |
| 2/28/2018 | | | | | | 0.18 |
| 7/11/2018 | | | | | <0.1 | |
| 11/6/2018 | | | 2 | <0.1 | | |
| 11/7/2018 | | | | | <0.3 (J) | <0.3 (J) |
| 3/12/2019 | | | 1.7 | 0.052 (J) | 0.065 (J) | |
| 3/13/2019 | | | | | | 0.13 (J) |
| 8/27/2019 | | | 1.4 | <0.1 | <0.1 | |
| 8/28/2019 | | | | | | 0.091 (J) |
| 10/15/2019 | | | 1.4 | <0.1 | <0.1 | |
| 10/16/2019 | | | | | | 0.14 (J) |
| 3/2/2020 | | | | 0.064 (J) | 0.071 (J) | |
| 3/3/2020 | | | 1.5 | | | 0.078 (J) |
| 8/11/2020 | | | 1.4 | <0.1 | <0.1 | |
| 8/12/2020 | | | | | | 0.051 (J) |
| 9/22/2020 | | | | <0.1 | <0.1 | |
| 9/23/2020 | | | | | | 0.058 (J) |
| 9/24/2020 | | | 0.97 | | | |
| 3/2/2021 | | | | <0.1 | | 0.084 (J) |
| 3/3/2021 | | | | | 0.085 (J) | |
| 3/4/2021 | | | 1.8 | | | |
| 9/9/2021 | | | | <0.1 | 0.099 (J) | 0.083 (J) |
| 9/10/2021 | | | 2.2 | | | |
| 9/15/2021 | 0.085 (J) | 0.098 (J) | | | | |
| 1/25/2022 | | | | <0.1 | 0.093 (J) | 0.063 (J) |
| 1/26/2022 | 0.088 (J) | 0.13 | 1.8 | | | |
| 9/13/2022 | 0.14 | 0.18 | | | | |
| 9/15/2022 | | | 0.84 | 0.064 (J) | 0.078 (J) | 0.095 (J) |
| 1/31/2023 | | 0.19 | | | | |
| 2/1/2023 | 0.11 | | | | | 0.09 (J) |
| 2/2/2023 | | | 1.1 | | | |
| 2/6/2023 | | | | <0.1 | 0.1 | |
| 9/6/2023 | 0.085 (J) | 0.1 | | | | |
| 9/8/2023 | | | | <0.1 | | 0.055 (J) |
| 9/11/2023 | | | 1.3 | | 0.13 | |
| Mean | 0.1016 | 0.1396 | 1.536 | 0.08263 | 0.1471 | 0.132 |
| Std. Dev. | 0.02388 | 0.04348 | 0.4118 | 0.02457 | 0.1312 | 0.09503 |
| Upper Lim. | 0.1437 | 0.2125 | 1.769 | 0.1 | 0.1449 | 0.1547 |
| Lower Lim. | 0.06902 | 0.06674 | 1.302 | 0.06 | 0.06163 | 0.07987 |

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 | DGWC-2 | DGWC-20 |
|------------|-----------|-----------|-----------|-----------|-----------|----------|
| 8/31/2016 | 0.06 (J) | | | | | |
| 9/1/2016 | | | | 0.75 | | |
| 9/2/2016 | | | | | | 0.66 |
| 9/6/2016 | | 0.11 (J) | | | | |
| 9/7/2016 | | | 0.32 | | | |
| 12/6/2016 | 0.1 (J) | | | | | |
| 12/7/2016 | | 0.11 (J) | | 0.37 | | 0.66 |
| 12/8/2016 | | | 0.31 | | | |
| 3/29/2017 | 0.02 (J) | | | 0.35 | | 0.34 |
| 3/30/2017 | | <0.1 | 0.1 (J) | | 0.06 (J) | |
| 5/11/2017 | | | | | 0.06 (J) | |
| 6/15/2017 | | | | | 0.07 (J) | |
| 7/11/2017 | | | | | 0.04 (J) | |
| 7/12/2017 | <0.1 | 0.07 (J) | 0.27 (J) | 0.34 | | 0.41 |
| 10/24/2017 | | | | | 0.43 | |
| 10/25/2017 | <0.1 | 0.26 (J) | 0.49 | 0.9 | | 0.68 |
| 2/27/2018 | <0.1 | | | | 0.28 | |
| 2/28/2018 | | <0.1 | 0.54 | 1.2 | | 0.76 |
| 7/11/2018 | <0.1 | <0.1 | 0.15 (J) | 0.37 | 0.6 | 1.3 |
| 11/6/2018 | | | | | <0.1 | |
| 11/7/2018 | <0.1 | <0.1 | <0.3 (J) | <0.3 (J) | | <0.3 (J) |
| 3/12/2019 | | | | | 0.052 (J) | |
| 3/13/2019 | 0.042 (J) | | 0.084 (J) | 0.22 (J) | | 0.45 |
| 3/14/2019 | | 0.057 (J) | | | | |
| 8/27/2019 | <0.1 | | 0.24 (J) | | <0.1 | |
| 8/28/2019 | | <0.1 | | 0.2 | | |
| 8/29/2019 | | | | | | 0.78 |
| 10/16/2019 | 0.052 (J) | | | 0.23 (J) | | |
| 10/17/2019 | | 0.079 (J) | | | 0.042 (J) | 0.26 (J) |
| 10/18/2019 | | | 0.086 (J) | | | |
| 3/3/2020 | <0.1 | <0.1 | | 0.056 (J) | <0.1 | |
| 3/4/2020 | | | <0.1 | | | 1.5 |
| 8/11/2020 | <0.1 | | | 0.2 | <0.1 | |
| 8/13/2020 | | <0.1 | | | | 0.9 |
| 8/14/2020 | | | 0.069 (J) | | | |
| 9/22/2020 | <0.1 | | | 0.084 (J) | | 0.15 |
| 9/23/2020 | | <0.1 | | | <0.1 | |
| 9/24/2020 | | | 0.056 (J) | | | |
| 3/2/2021 | <0.1 | <0.1 | | 0.19 | <0.1 | 1.4 |
| 3/3/2021 | | | 0.085 (J) | | | |
| 9/9/2021 | <0.1 | <0.1 | | 0.18 | 0.053 (J) | |
| 9/10/2021 | | | | | | 0.25 |
| 9/13/2021 | | | 0.063 (J) | | | |
| 1/20/2022 | | | | | <0.1 | |
| 1/21/2022 | | | | | | 1.3 |
| 1/24/2022 | | <0.1 | <0.1 | | | |
| 1/25/2022 | <0.1 | | | 0.16 | | |
| 9/13/2022 | 0.059 (J) | 0.065 (J) | | | | |
| 9/14/2022 | | | 0.1 | 0.18 | | |
| 9/15/2022 | | | | | | 0.69 |
| 9/20/2022 | | | | | 0.076 (J) | |
| 2/1/2023 | 0.067 (J) | | | | | |

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 | DGWC-2 | DGWC-20 |
|------------|---------|-----------|-----------|---------|-----------|---------|
| 2/2/2023 | | 0.065 (J) | | | | |
| 2/6/2023 | | | 0.096 (J) | 0.22 | 0.072 (J) | |
| 2/7/2023 | | | | | | 1.1 |
| 9/8/2023 | <0.1 | <0.1 | | 0.17 | | |
| 9/11/2023 | | | | | | 1.5 |
| 9/13/2023 | | | 0.1 | | 0.083 (J) | |
| Mean | 0.085 | 0.1008 | 0.183 | 0.326 | 0.1309 | 0.762 |
| Std. Dev. | 0.02507 | 0.04067 | 0.1445 | 0.2917 | 0.1432 | 0.4533 |
| Upper Lim. | 0.1 | 0.11 | 0.2118 | 0.4074 | 0.28 | 1.019 |
| Lower Lim. | 0.06 | 0.079 | 0.0951 | 0.1668 | 0.06 | 0.5046 |

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-21 | DGWC-22 | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 |
|------------|-----------|-----------|-----------|-----------|----------|---------|
| 9/1/2016 | | | | | | 1.8 |
| 9/2/2016 | 0.07 (J) | 0.3 | | | | |
| 9/7/2016 | | | | | 0.02 (J) | |
| 12/8/2016 | 0.14 (J) | 0.12 (J) | | | 0.06 (J) | 1.1 |
| 3/28/2017 | | | | 0.17 (J) | | |
| 3/29/2017 | | 0.11 (J) | | | | |
| 3/30/2017 | <0.1 | | 0.12 (J) | | | |
| 3/31/2017 | | | | | <0.1 | 0.88 |
| 5/12/2017 | | | 0.36 | <0.1 | | |
| 6/15/2017 | | | 0.21 (J) | 0.02 (J) | | |
| 7/11/2017 | | | | 0.02 (J) | | |
| 7/12/2017 | 0.04 (J) | | 0.22 (J) | | | |
| 7/13/2017 | | 0.09 (J) | | | <0.1 | 0.84 |
| 10/24/2017 | | | | <0.1 | | |
| 10/25/2017 | 0.34 | 0.25 (J) | | | <0.1 | |
| 10/26/2017 | | | 0.66 | | | 1 |
| 11/15/2017 | | | | 0.79 | | |
| 2/27/2018 | | | | <0.1 | | |
| 2/28/2018 | <0.1 | <0.1 | | | <0.1 | |
| 3/1/2018 | | | 0.18 | | | 1.4 |
| 7/11/2018 | <0.1 | | | | <0.1 | |
| 7/12/2018 | | 0.13 (J) | 0.25 (J) | | | 0.96 |
| 11/6/2018 | | | | <0.1 | | |
| 11/7/2018 | <0.1 | <0.1 | | | <0.1 | 0.74 |
| 11/8/2018 | | | <0.3 (J) | | | |
| 3/12/2019 | | | | 0.082 (J) | | |
| 3/13/2019 | 0.043 (J) | | | | | |
| 3/14/2019 | | 0.042 (J) | 0.092 (J) | | <0.1 | 1.6 |
| 8/27/2019 | | | | <0.1 | | |
| 8/28/2019 | | | | | <0.1 | |
| 8/29/2019 | 0.079 (J) | 0.054 (J) | 0.095 (J) | | | 0.52 |
| 10/15/2019 | | | | <0.1 | | |
| 10/17/2019 | <0.1 | | | | <0.1 | 0.46 |
| 10/18/2019 | | <0.1 | 0.079 (J) | | | |
| 3/2/2020 | | | | <0.1 | | |
| 3/3/2020 | <0.1 | <0.1 | | | | |
| 3/4/2020 | | | 0.075 (J) | | <0.1 | 0.74 |
| 8/12/2020 | | | | <0.1 | | 0.22 |
| 8/13/2020 | | | 0.1 | | <0.1 | |
| 8/14/2020 | <0.1 | <0.1 | | | | |
| 9/22/2020 | | | | <0.1 | <0.1 | |
| 9/23/2020 | | | | | | 0.11 |
| 9/24/2020 | <0.1 | <0.1 | 0.075 (J) | | | |
| 3/1/2021 | | | | <0.1 | | |
| 3/3/2021 | <0.1 | <0.1 | 0.063 (J) | | <0.1 | 0.71 |
| 9/9/2021 | <0.1 | | 0.084 (J) | | | |
| 9/10/2021 | | <0.1 | | <0.1 | | 0.22 |
| 9/13/2021 | | | | | <0.1 | |
| 1/20/2022 | <0.1 | <0.1 | <0.1 | | <0.1 | |
| 1/21/2022 | | | | | | 0.64 |
| 1/24/2022 | | | | <0.1 | | |
| 9/13/2022 | | | | | <0.1 | 0.47 |

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-21 | DGWC-22 | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 |
|------------|-----------|-----------|-----------|-----------|---------|---------|
| 9/15/2022 | 0.087 (J) | | | | | |
| 9/16/2022 | | 0.068 (J) | | | | |
| 9/19/2022 | | | | 0.061 (J) | | |
| 9/20/2022 | | | 0.11 | | | |
| 2/1/2023 | | | | | <0.1 | |
| 2/3/2023 | | | | 0.096 (J) | | 0.45 |
| 2/6/2023 | | 0.057 (J) | 0.076 (J) | | | |
| 2/7/2023 | 0.059 (J) | | | | | |
| 9/11/2023 | 0.054 (J) | 0.054 (J) | 0.1 | | | |
| 9/12/2023 | | | | | | 0.51 |
| 9/13/2023 | | | | <0.1 | <0.1 | |
| Mean | 0.1006 | 0.1088 | 0.1575 | 0.127 | 0.094 | 0.7685 |
| Std. Dev. | 0.06128 | 0.06196 | 0.1414 | 0.1591 | 0.01957 | 0.4497 |
| Upper Lim. | 0.14 | 0.1021 | 0.1789 | 0.17 | 0.1 | 1.024 |
| Lower Lim. | 0.07 | 0.054 | 0.08621 | 0.096 | 0.06 | 0.5131 |

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-48 | DGWC-5 | DGWC-8 | DGWC-9 |
|------------|---------|----------|-----------|--------|
| 8/30/2016 | | | 0.39 | 0.78 |
| 8/31/2016 | | 1 | | |
| 9/1/2016 | 1.5 | | | |
| 12/6/2016 | | 0.76 | 0.47 | 1.1 |
| 12/8/2016 | 1.6 | | | |
| 3/28/2017 | | 1.2 | | 1.1 |
| 3/29/2017 | | | 0.51 | |
| 3/30/2017 | 0.86 | | | |
| 7/11/2017 | | 0.7 | 0.2 (J) | 1.1 |
| 7/13/2017 | 1.1 | | | |
| 10/24/2017 | | | 0.82 | 1.7 |
| 10/25/2017 | | 1.4 | | |
| 10/26/2017 | 1.7 | | | |
| 2/27/2018 | | 1.3 | 0.59 | 1.2 |
| 3/2/2018 | 1.1 | | | |
| 7/11/2018 | | | | 1.3 |
| 7/12/2018 | 0.65 | | | |
| 11/6/2018 | | <0.3 (J) | 0.35 | 1.1 |
| 11/7/2018 | 0.63 | | | |
| 3/12/2019 | | 0.31 | 0.35 | 0.97 |
| 3/14/2019 | 1.4 | | | |
| 8/27/2019 | | 0.32 | | 0.68 |
| 8/28/2019 | | | 0.098 (J) | |
| 8/29/2019 | 0.78 | | | |
| 10/16/2019 | | 0.32 | 0.14 (J) | |
| 10/17/2019 | | | | 1.2 |
| 10/18/2019 | 0.46 | | | |
| 3/2/2020 | | 0.33 | | |
| 3/3/2020 | | | <0.1 | 1.4 |
| 3/4/2020 | 0.7 | | | |
| 8/11/2020 | | | | 1.3 |
| 8/12/2020 | | 0.13 | 0.056 (J) | |
| 8/13/2020 | 0.47 | | | |
| 9/22/2020 | | 0.12 | | 0.99 |
| 9/23/2020 | 0.32 | | <0.1 | |
| 3/2/2021 | | 0.15 | 0.059 (J) | 0.93 |
| 3/3/2021 | 0.67 | | | |
| 9/10/2021 | 0.47 | 0.16 | | 2 |
| 9/13/2021 | | | 0.069 (J) | |
| 1/24/2022 | 0.59 | 0.19 | | |
| 1/25/2022 | | | <0.1 | |
| 1/26/2022 | | | | 1.2 |
| 9/13/2022 | 0.43 | | | |
| 9/14/2022 | | 0.27 | | |
| 9/15/2022 | | | 0.077 (J) | |
| 9/19/2022 | | | | 0.8 |
| 2/3/2023 | 0.48 | | | 0.9 |
| 2/7/2023 | | 0.22 | 0.13 | |
| 9/12/2023 | | | 0.091 (J) | |
| 9/13/2023 | 0.51 | 0.14 | | |
| Mean | 0.821 | 0.4826 | 0.2474 | 1.145 |
| Std. Dev. | 0.4283 | 0.4359 | 0.2208 | 0.3161 |

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-48 | DGWC-5 | DGWC-8 | DGWC-9 |
|------------|---------|--------|--------|--------|
| Upper Lim. | 1.013 | 1 | 0.2558 | 1.33 |
| Lower Lim. | 0.5653 | 0.15 | 0.0913 | 0.9596 |

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-100 | B-101D | B-102D | B-104D | B-107D | B-108D |
|------------|-------------|-------------|-------------|-------------|-------------|-----------|
| 8/17/2020 | 8.8E-05 (J) | | | | | |
| 9/25/2020 | 0.00021 (J) | | | | | |
| 12/9/2020 | | | | 5.1E-05 (J) | 4.4E-05 (J) | <0.001 |
| 12/17/2020 | | | 3.7E-05 (J) | | | |
| 1/11/2021 | | | 5E-05 (J) | | | |
| 1/12/2021 | | <0.001 | | <0.001 | | |
| 3/4/2021 | | | 5.9E-05 (J) | <0.001 | <0.001 | <0.001 |
| 3/5/2021 | | 6.5E-05 (J) | | | | |
| 3/8/2021 | 0.00018 (J) | | | | | |
| 9/10/2021 | | | <0.001 | | | |
| 9/13/2021 | <0.001 | <0.001 | | | <0.001 | |
| 9/14/2021 | | | | <0.001 | | <0.001 |
| 1/21/2022 | <0.001 | | | | | |
| 1/24/2022 | | | | <0.001 | <0.001 | <0.001 |
| 1/26/2022 | | <0.001 | | | | |
| 1/27/2022 | | | <0.001 | | | |
| 9/8/2022 | <0.001 | | | | | |
| 9/13/2022 | | | | <0.001 | | |
| 9/14/2022 | | | | | <0.001 | |
| 9/15/2022 | | | <0.001 | | | <0.001 |
| 9/16/2022 | | <0.001 | | | | |
| 2/2/2023 | <0.001 | | <0.001 | | | |
| 2/3/2023 | | <0.001 | | <0.001 | | |
| 2/6/2023 | | | | | <0.001 | |
| 2/7/2023 | | | | | | <0.001 |
| 9/6/2023 | <0.001 | | | | | |
| 9/8/2023 | | <0.001 | | | | |
| 9/11/2023 | | | <0.001 | | | |
| 9/12/2023 | | | | | <0.001 | |
| 9/13/2023 | | | | <0.001 | | 0.0025 |
| Mean | 0.0006848 | 0.0008664 | 0.0006433 | 0.0008814 | 0.0008634 | 0.001214 |
| Std. Dev. | 0.0004364 | 0.0003534 | 0.0004924 | 0.0003355 | 0.0003613 | 0.0005669 |
| Upper Lim. | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.0025 |
| Lower Lim. | 8.8E-05 | 6.5E-05 | 3.7E-05 | 5.1E-05 | 4.4E-05 | 0.001 |

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-111D | B-120D | B-56 | B-63 | B-77 | B-82 |
|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 1/28/2019 | | | | <0.001 | | |
| 9/11/2019 | | | | 4.7E-05 (J) | | |
| 9/18/2019 | | | | | 0.00032 (J) | |
| 9/23/2019 | | | | | | 0.00016 (J) |
| 10/21/2019 | | | | | | <0.001 |
| 10/22/2019 | | | | 7.3E-05 (J) | | |
| 10/24/2019 | | | | | <0.001 | |
| 8/13/2020 | | | | | 0.0016 (J) | |
| 8/17/2020 | | | 0.00022 (J) | | | 5.9E-05 (J) |
| 9/24/2020 | | | | | 0.00021 (J) | |
| 9/28/2020 | | | 9.1E-05 (J) | | | 0.00011 (J) |
| 12/9/2020 | 5.8E-05 (J) | | | | | |
| 1/12/2021 | 5.1E-05 (J) | | | | | |
| 3/3/2021 | | | 0.0001 (J) | | | |
| 3/4/2021 | | | | | 0.00029 (J) | |
| 3/5/2021 | <0.001 | | | | | |
| 4/15/2021 | | 0.00019 (J) | | | | |
| 9/13/2021 | | | <0.001 | | | |
| 9/14/2021 | <0.001 | <0.001 | | <0.001 | <0.001 | <0.001 |
| 1/20/2022 | | <0.001 | | <0.001 | <0.001 | |
| 1/24/2022 | <0.001 | | | | | |
| 1/25/2022 | | | | | | <0.001 |
| 1/27/2022 | | | <0.001 | | | |
| 9/13/2022 | | | | | <0.001 | |
| 9/14/2022 | <0.001 | | | <0.001 | | |
| 9/16/2022 | | | <0.001 | | | <0.001 |
| 9/19/2022 | | <0.001 | | | | |
| 2/2/2023 | | | | <0.001 | | |
| 2/3/2023 | | <0.001 | | | | |
| 2/6/2023 | | | | | <0.001 | |
| 2/7/2023 | <0.001 | | <0.001 | | | <0.001 |
| 9/7/2023 | | | | <0.001 | | |
| 9/8/2023 | | | <0.001 | | | |
| 9/11/2023 | | | | | | <0.001 |
| 9/12/2023 | | <0.001 | | | <0.001 | |
| 9/13/2023 | <0.001 | | | | | |
| Mean | 0.0007636 | 0.000865 | 0.0006764 | 0.000765 | 0.000842 | 0.0007032 |
| Std. Dev. | 0.0004377 | 0.0003307 | 0.0004483 | 0.0004352 | 0.0004347 | 0.0004459 |
| Upper Lim. | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Lower Lim. | 5.1E-05 | 0.00019 | 9.1E-05 | 4.7E-05 | 0.00029 | 5.9E-05 |

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-83 | B-88 | B-93 | DGWC-10 | DGWC-11 | DGWC-12 |
|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 8/31/2016 | | | | <0.01 | <0.001 | |
| 9/1/2016 | | | | | | <0.001 |
| 12/6/2016 | | | | <0.01 | <0.001 | |
| 12/7/2016 | | | | | | <0.001 |
| 3/29/2017 | | | | <0.01 | <0.001 | <0.001 |
| 7/12/2017 | | | | <0.01 | <0.001 | <0.001 |
| 10/24/2017 | | | | <0.01 | <0.001 | |
| 10/25/2017 | | | | | | <0.001 |
| 2/27/2018 | | | | <0.01 | <0.001 | <0.001 |
| 7/11/2018 | | | | | | <0.001 |
| 11/6/2018 | | | | <0.01 | <0.001 | |
| 11/7/2018 | | | | | | <0.001 |
| 8/27/2019 | | | | 0.00024 (J) | 0.00012 (J) | 0.0001 (J) |
| 9/17/2019 | | | | | | <0.001 |
| 10/15/2019 | | | | 0.00014 (J) | 7.6E-05 (J) | <0.001 |
| 10/21/2019 | 0.00012 (J) | | | | | |
| 3/2/2020 | | | | | 0.00015 (J) | <0.001 |
| 3/3/2020 | | | | 0.00011 (J) | | |
| 8/11/2020 | | | | 7E-05 (J) | 5.3E-05 (J) | <0.001 |
| 8/14/2020 | 0.00092 (J) | | | | | |
| 8/17/2020 | | 0.00081 (J) | | | | |
| 8/19/2020 | | | 0.00012 (J) | | | |
| 9/22/2020 | | | | | 0.0001 (J) | 0.00011 (J) |
| 9/24/2020 | | | | 0.00013 (J) | | |
| 9/25/2020 | 6.5E-05 (J) | 0.00035 (J) | | | | |
| 9/28/2020 | | | 0.00012 (J) | | | |
| 3/2/2021 | | | | | <0.001 | |
| 3/3/2021 | | | | | | <0.001 |
| 3/4/2021 | 0.00017 (J) | | | 9.2E-05 (J) | | |
| 3/5/2021 | | 0.012 | | | | |
| 3/9/2021 | | | <0.001 | | | |
| 9/9/2021 | | | | | <0.001 | <0.001 |
| 9/10/2021 | | | | <0.01 | | |
| 9/13/2021 | | <0.001 | | | | |
| 9/15/2021 | | | <0.001 | | | |
| 9/16/2021 | <0.001 | | | | | |
| 1/21/2022 | <0.001 | | | | | |
| 1/25/2022 | | | | | <0.001 | <0.001 |
| 1/26/2022 | | | <0.001 | <0.01 | | |
| 1/27/2022 | | 0.0022 | | | | |
| 9/12/2022 | | | <0.001 | | | |
| 9/13/2022 | <0.001 | | | | | |
| 9/15/2022 | | | | <0.01 | <0.001 | <0.001 |
| 9/16/2022 | | <0.001 | | | | |
| 1/31/2023 | | | <0.001 | | | |
| 2/2/2023 | | | | <0.01 | | |
| 2/3/2023 | <0.001 | | | | | |
| 2/6/2023 | | | | | <0.001 | <0.001 |
| 2/7/2023 | | <0.001 | | | | |
| 9/6/2023 | | | <0.001 | | | |
| 9/8/2023 | | | | | <0.001 | |
| 9/11/2023 | | | | <0.01 | | <0.001 |

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-83 | B-88 | B-93 | DGWC-10 | DGWC-11 | DGWC-12 |
|------------|-----------|------------|-----------|----------|-----------|-----------|
| 9/12/2023 | <0.001 | 0.0009 (J) | | | | |
| Mean | 0.0006972 | 0.002408 | 0.00078 | 0.00671 | 0.0007499 | 0.0009105 |
| Std. Dev. | 0.0004357 | 0.003911 | 0.0004074 | 0.004788 | 0.0004153 | 0.0002755 |
| Upper Lim. | 0.001 | 0.012 | 0.001 | 0.01 | 0.001 | 0.001 |
| Lower Lim. | 6.5E-05 | 0.00035 | 0.00012 | 0.00013 | 0.00012 | 0.00011 |

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-13 | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 | DGWC-2 |
|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 8/31/2016 | | <0.001 | | | | |
| 9/1/2016 | | | | | <0.001 | |
| 9/6/2016 | <0.001 | | <0.001 | | | |
| 9/7/2016 | | | | <0.001 | | |
| 12/6/2016 | | <0.001 | | | | |
| 12/7/2016 | <0.001 | | 0.0002 (J) | | <0.001 | |
| 12/8/2016 | | | | <0.001 | | |
| 3/29/2017 | | <0.001 | | | <0.001 | |
| 3/30/2017 | 0.0002 (J) | | 0.0001 (J) | 0.0001 (J) | | 0.0001 (J) |
| 5/11/2017 | | | | | | 9E-05 (J) |
| 6/15/2017 | | | | | | 0.0001 (J) |
| 7/11/2017 | | | | | | <0.001 |
| 7/12/2017 | <0.001 | <0.001 | 0.0001 (J) | <0.001 | <0.001 | |
| 10/24/2017 | | | | | | <0.001 |
| 10/25/2017 | | <0.001 | <0.001 | <0.001 | <0.001 | |
| 11/15/2017 | <0.001 | | | | | |
| 2/27/2018 | | <0.001 | | | | <0.001 |
| 2/28/2018 | <0.001 | | <0.001 | <0.001 | <0.001 | |
| 7/11/2018 | | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| 11/6/2018 | | | | | | <0.001 |
| 11/7/2018 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | |
| 8/27/2019 | | <0.001 | | 9E-05 (J) | | 6E-05 (J) |
| 8/28/2019 | <0.001 | | 5.9E-05 (J) | | 0.00026 (J) | |
| 10/16/2019 | <0.001 | <0.001 | | | <0.001 | |
| 10/17/2019 | | | <0.001 | | | 8.6E-05 (J) |
| 10/18/2019 | | | | 7.4E-05 (J) | | |
| 3/3/2020 | <0.001 | <0.001 | <0.001 | | 7E-05 (J) | <0.001 |
| 3/4/2020 | | | | 0.00013 (J) | | |
| 8/11/2020 | | 9.6E-05 (J) | | | 5.3E-05 (J) | 6.4E-05 (J) |
| 8/12/2020 | <0.001 | | | | | |
| 8/13/2020 | | | 0.0012 (J) | | | |
| 8/14/2020 | | | | 0.00017 (J) | | |
| 9/22/2020 | | 4.4E-05 (J) | | | 0.00016 (J) | |
| 9/23/2020 | 9.8E-05 (J) | | 8.2E-05 (J) | | | 9.4E-05 (J) |
| 9/24/2020 | | | | 7.9E-05 (J) | | |
| 3/2/2021 | <0.001 | 8.3E-05 (J) | <0.001 | | 4.5E-05 (J) | 0.00014 (J) |
| 3/3/2021 | | | | 0.00015 (J) | | |
| 9/9/2021 | <0.001 | <0.001 | <0.001 | | <0.001 | <0.001 |
| 9/13/2021 | | | | <0.001 | | |
| 1/20/2022 | | | | | | <0.001 |
| 1/24/2022 | | | <0.001 | <0.001 | | |
| 1/25/2022 | <0.001 | <0.001 | | | <0.001 | |
| 9/13/2022 | | <0.001 | <0.001 | | | |
| 9/14/2022 | | | | <0.001 | <0.001 | |
| 9/15/2022 | <0.001 | | | | | |
| 9/20/2022 | | | | | | <0.001 |
| 2/1/2023 | <0.001 | <0.001 | | | | |
| 2/2/2023 | | | <0.001 | | | |
| 2/6/2023 | | | | <0.001 | <0.001 | <0.001 |
| 9/8/2023 | <0.001 | <0.001 | <0.001 | | <0.001 | |
| 9/13/2023 | | | | <0.001 | | <0.001 |
| Mean | 0.0009054 | 0.0008538 | 0.0007758 | 0.0006733 | 0.0007678 | 0.0006176 |

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-13 | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 | DGWC-2 |
|------------|-----------|-----------|-----------|---------|-----------|----------|
| Std. Dev. | 0.0002758 | 0.0003469 | 0.0004132 | 0.00044 | 0.0004016 | 0.000461 |
| Upper Lim. | 0.001 | 0.001 | 0.0012 | 0.001 | 0.001 | 0.001 |
| Lower Lim. | 0.0002 | 9.6E-05 | 0.0002 | 0.0001 | 0.00016 | 9E-05 |

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-20 | DGWC-21 | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 |
|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 9/1/2016 | | | | | | 0.0005 (J) |
| 9/2/2016 | <0.1 | 0.0002 (J) | | | | |
| 9/7/2016 | | | | | 0.0002 (J) | |
| 12/7/2016 | <0.1 | | | | | |
| 12/8/2016 | | <0.001 | | | 0.0002 (J) | <0.001 |
| 3/28/2017 | | | | 0.0002 (J) | | |
| 3/29/2017 | <0.1 | | | | | |
| 3/30/2017 | | 0.0004 (J) | <0.001 | | | |
| 3/31/2017 | | | | | 0.0004 (J) | 0.0009 (J) |
| 5/12/2017 | | | <0.001 | <0.001 | | |
| 6/15/2017 | | | <0.001 | <0.001 | | |
| 7/11/2017 | | | | <0.001 | | |
| 7/12/2017 | <0.1 | 0.0001 (J) | <0.001 | | | |
| 7/13/2017 | | | | | 0.0004 (J) | 0.0007 (J) |
| 10/24/2017 | | | | <0.001 | | |
| 10/25/2017 | <0.1 | <0.001 | | | 0.0002 (J) | |
| 10/26/2017 | | | <0.001 | | | 0.0009 (J) |
| 2/27/2018 | | | | <0.001 | | |
| 2/28/2018 | <0.1 | <0.001 | | | <0.001 | |
| 3/1/2018 | | | <0.001 | | | <0.001 |
| 7/11/2018 | <0.1 | <0.001 | | | 0.00052 (J) | |
| 7/12/2018 | | | <0.001 | | | 0.001 (J) |
| 11/6/2018 | | | | <0.001 | | |
| 11/7/2018 | <0.1 | <0.001 | | | <0.005 (J) | <0.005 (J) |
| 11/8/2018 | | | <0.001 | | | |
| 8/27/2019 | | | | 4.9E-05 (J) | | |
| 8/28/2019 | | | | | 0.00036 (J) | |
| 8/29/2019 | 0.00015 (J) | 0.00023 (J) | 6.6E-05 (J) | | | 0.0006 (J) |
| 10/15/2019 | | | | 0.0001 (J) | | |
| 10/17/2019 | 9.7E-05 (J) | 4.6E-05 (J) | | | 0.00026 (J) | 0.0011 (J) |
| 10/18/2019 | | | <0.001 | | | |
| 3/2/2020 | | | | <0.001 | | |
| 3/3/2020 | | 0.00015 (J) | | | | |
| 3/4/2020 | 0.00068 (J) | | <0.001 | | 0.0001 (J) | 0.00088 (J) |
| 8/12/2020 | | | | <0.001 | | 0.0004 (J) |
| 8/13/2020 | 0.00044 (J) | | <0.001 | | 0.0016 (J) | |
| 8/14/2020 | | <0.001 | | | | |
| 9/22/2020 | 0.00013 (J) | | | <0.001 | 0.00074 (J) | |
| 9/23/2020 | | | | | | 0.00053 (J) |
| 9/24/2020 | | 0.00014 (J) | <0.001 | | | |
| 3/1/2021 | | | | 0.00012 (J) | | |
| 3/2/2021 | 0.00047 (J) | | | | | |
| 3/3/2021 | | <0.001 | <0.001 | | 0.00024 (J) | 0.0007 (J) |
| 9/9/2021 | | <0.001 | <0.001 | | | |
| 9/10/2021 | <0.1 | | | <0.001 | | <0.001 |
| 9/13/2021 | | | | | <0.001 | |
| 1/20/2022 | | <0.001 | <0.001 | | <0.001 | |
| 1/21/2022 | <0.1 | | | | | <0.001 |
| 1/24/2022 | | | | <0.001 | | |
| 9/13/2022 | | | | | <0.001 | <0.001 |
| 9/15/2022 | <0.1 | <0.001 | | | | |
| 9/19/2022 | | | | <0.001 | | |

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-20 | DGWC-21 | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-47 |
|------------|---------|-----------|-----------|-----------|-------------|-------------|
| 9/20/2022 | | | <0.001 | | | |
| 2/1/2023 | | | | | <0.001 | |
| 2/3/2023 | | | | <0.001 | | <0.001 |
| 2/6/2023 | | | <0.001 | | | |
| 2/7/2023 | <0.1 | <0.001 | | | | |
| 9/11/2023 | <0.1 | <0.001 | <0.001 | | | |
| 9/12/2023 | | | | | | 0.00024 (J) |
| 9/13/2023 | | | | <0.001 | 0.00018 (J) | |
| Mean | 0.06852 | 0.0006982 | 0.0009508 | 0.0008038 | 0.0008105 | 0.001024 |
| Std. Dev. | 0.0476 | 0.0004113 | 0.0002143 | 0.0003786 | 0.001096 | 0.0009939 |
| Upper Lim. | 0.1 | 0.001 | 0.001 | 0.001 | 0.0004115 | 0.001 |
| Lower Lim. | 0.00044 | 0.00015 | 6.6E-05 | 0.0002 | 0.0001765 | 0.00053 |

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-48 | DGWC-5 | DGWC-8 | DGWC-9 |
|------------|-------------|-------------|-------------|-------------|
| 8/30/2016 | | | <0.001 | <0.005 |
| 8/31/2016 | | 0.0002 (J) | | |
| 9/1/2016 | 0.0008 (J) | | | |
| 12/6/2016 | | 0.0004 (J) | <0.001 | <0.005 |
| 12/8/2016 | 0.0019 (J) | | | |
| 3/28/2017 | | <0.001 | | <0.005 |
| 3/29/2017 | | | 0.0001 (J) | |
| 3/30/2017 | 0.0035 (J) | | | |
| 7/11/2017 | | <0.001 | <0.001 | <0.005 |
| 7/13/2017 | 0.002 (J) | | | |
| 10/24/2017 | | | <0.001 | <0.005 |
| 10/25/2017 | | 0.0024 (J) | | |
| 10/26/2017 | 0.0022 (J) | | | |
| 2/27/2018 | | <0.001 | <0.001 | <0.005 |
| 3/2/2018 | <0.001 | | | |
| 7/11/2018 | | | | <0.005 |
| 7/12/2018 | 0.0014 (J) | | | |
| 11/6/2018 | | <0.001 | <0.001 | <0.005 |
| 11/7/2018 | <0.005 (J) | | | |
| 8/27/2019 | | 5.1E-05 (J) | | <0.005 |
| 8/28/2019 | | | 8.2E-05 (J) | |
| 8/29/2019 | 0.001 (J) | | | |
| 10/16/2019 | | 8.5E-05 (J) | 0.00029 (J) | |
| 10/17/2019 | | | | <0.005 |
| 10/18/2019 | 0.00095 (J) | | | |
| 3/2/2020 | | 5.1E-05 (J) | | |
| 3/3/2020 | | | 0.00023 (J) | 0.00017 (J) |
| 3/4/2020 | 0.0012 (J) | | | |
| 8/11/2020 | | | | <0.005 |
| 8/12/2020 | | 6.3E-05 (J) | 0.0007 (J) | |
| 8/13/2020 | 0.00092 (J) | | | |
| 9/22/2020 | | 4.8E-05 (J) | | 0.00015 (J) |
| 9/23/2020 | 0.001 (J) | | 0.00011 (J) | |
| 3/2/2021 | | 8E-05 (J) | 0.00027 (J) | 0.00028 (J) |
| 3/3/2021 | 0.0011 | | | |
| 9/10/2021 | 0.00099 (J) | <0.001 | | <0.005 |
| 9/13/2021 | | | <0.001 | |
| 1/24/2022 | 0.0011 | <0.001 | | |
| 1/25/2022 | | | <0.001 | |
| 1/26/2022 | | | | <0.005 |
| 9/13/2022 | 0.00093 (J) | | | |
| 9/14/2022 | | <0.001 | | |
| 9/15/2022 | | | <0.001 | |
| 9/19/2022 | | | | <0.005 |
| 2/3/2023 | <0.001 | | | <0.005 |
| 2/7/2023 | | <0.001 | <0.001 | |
| 9/12/2023 | | | <0.001 | |
| 9/13/2023 | 0.00082 (J) | <0.001 | | |
| Mean | 0.001516 | 0.0006877 | 0.0007101 | 0.0042 |
| Std. Dev. | 0.001073 | 0.0006171 | 0.000395 | 0.001841 |
| Upper Lim. | 0.002 | 0.001 | 0.001 | 0.005 |
| Lower Lim. | 0.00093 | 6.3E-05 | 0.00023 | 0.00028 |

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-100 | B-101D | B-102D | B-104D | B-106D | B-107D |
|------------|------------|------------|------------|-----------|------------|-----------|
| 8/17/2020 | 0.0013 (J) | | | | | |
| 9/25/2020 | 0.0027 (J) | | | | | |
| 12/9/2020 | | | | 0.039 (J) | | 0.017 (J) |
| 12/17/2020 | | | 0.012 (J) | | 0.0048 (J) | |
| 1/11/2021 | | | 0.015 (J) | | | |
| 1/12/2021 | | 0.012 (J) | | 0.039 | | |
| 3/4/2021 | | | 0.014 (J) | 0.038 | 0.0054 (J) | 0.015 (J) |
| 3/5/2021 | | 0.015 (J) | | | | |
| 3/8/2021 | 0.0024 (J) | | | | | |
| 9/10/2021 | | | 0.012 (J) | | | |
| 9/13/2021 | 0.0022 (J) | 0.011 (J) | | | 0.0056 (J) | 0.014 (J) |
| 9/14/2021 | | | | 0.036 | | |
| 1/21/2022 | 0.0021 (J) | | | | | |
| 1/24/2022 | | | | 0.036 | | 0.015 (J) |
| 1/25/2022 | | | | | 0.0055 (J) | |
| 1/26/2022 | | 0.0098 (J) | | | | |
| 1/27/2022 | | | 0.013 (J) | | | |
| 9/8/2022 | 0.0023 (J) | | | | | |
| 9/13/2022 | | | | 0.04 | | |
| 9/14/2022 | | | | | | 0.015 (J) |
| 9/15/2022 | | | 0.013 (J) | | | |
| 9/16/2022 | | 0.011 (J) | | | 0.0054 (J) | |
| 2/2/2023 | <0.03 | | 0.011 (J) | | | |
| 2/3/2023 | | 0.008 (J) | | 0.037 | | |
| 2/6/2023 | | | | | | 0.014 (J) |
| 2/7/2023 | | | | | 0.0053 (J) | |
| 9/6/2023 | 0.0023 (J) | | | | | |
| 9/8/2023 | | 0.015 (J) | | | | |
| 9/11/2023 | | | 0.0091 (J) | | 0.0045 (J) | |
| 9/12/2023 | | | | | | 0.012 (J) |
| 9/13/2023 | | | | 0.04 | | |
| Mean | 0.003787 | 0.01169 | 0.01239 | 0.03813 | 0.005214 | 0.01457 |
| Std. Dev. | 0.004548 | 0.002587 | 0.001821 | 0.001642 | 0.0004059 | 0.001512 |
| Upper Lim. | 0.015 | 0.01476 | 0.01432 | 0.03987 | 0.005696 | 0.01637 |
| Lower Lim. | 0.0013 | 0.008613 | 0.01046 | 0.03638 | 0.004732 | 0.01278 |

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-108D | B-111D | B-120D | B-56 | B-62 | B-63 |
|------------|-----------|-----------|---------|------------|------------|-------------|
| 1/28/2019 | | | | | | <0.05 |
| 1/30/2019 | | | | | <0.05 | |
| 9/11/2019 | | | | | 0.0078 (J) | 0.0064 (J) |
| 10/21/2019 | | | | | 0.0078 (J) | |
| 10/22/2019 | | | | | | 0.0062 (J) |
| 8/13/2020 | | | | | 0.0087 (J) | |
| 8/17/2020 | | | | 0.0056 (J) | | |
| 9/24/2020 | | | | | 0.0084 (J) | |
| 9/28/2020 | | | | 0.005 (J) | | |
| 12/9/2020 | 0.016 (J) | 0.021 (J) | | | | |
| 1/12/2021 | | 0.021 (J) | | | | |
| 3/3/2021 | | | | 0.0051 (J) | | |
| 3/4/2021 | 0.014 (J) | | | | | |
| 3/5/2021 | | 0.028 (J) | | | | |
| 3/12/2021 | | | | | 0.0087 (J) | 0.0066 (J) |
| 4/15/2021 | | | 0.088 | | | |
| 9/9/2021 | | | | | 0.0094 (J) | |
| 9/13/2021 | | | | 0.0055 (J) | | |
| 9/14/2021 | 0.015 (J) | 0.029 (J) | 0.077 | | | 0.0064 (J) |
| 1/20/2022 | | | 0.079 | | 0.0092 (J) | 0.0062 (J) |
| 1/24/2022 | 0.014 (J) | 0.026 (J) | | | | |
| 1/27/2022 | | | | 0.0061 (J) | | |
| 9/8/2022 | | | | | 0.0085 (J) | |
| 9/14/2022 | | 0.02 (J) | | | | 0.0072 (JD) |
| 9/15/2022 | 0.016 (J) | | | | | |
| 9/16/2022 | | | | 0.0057 (J) | | |
| 9/19/2022 | | | 0.076 | | | |
| 2/2/2023 | | | | | 0.0082 (J) | 0.0045 (J) |
| 2/3/2023 | | | 0.068 | | | |
| 2/7/2023 | 0.014 (J) | 0.018 (J) | | 0.0054 (J) | | |
| 9/7/2023 | | | | | 0.0092 (J) | 0.0069 (J) |
| 9/8/2023 | | | | 0.0055 (J) | | |
| 9/12/2023 | | | 0.044 | | | |
| 9/13/2023 | 0.014 (J) | 0.019 (J) | | | | |
| Mean | 0.01471 | 0.02275 | 0.072 | 0.005488 | 0.01008 | 0.008378 |
| Std. Dev. | 0.0009512 | 0.004268 | 0.01514 | 0.0003441 | 0.004977 | 0.006279 |
| Upper Lim. | 0.016 | 0.02727 | 0.0928 | 0.005852 | 0.0094 | 0.025 |
| Lower Lim. | 0.014 | 0.01823 | 0.0512 | 0.005123 | 0.0078 | 0.0045 |

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-66 | B-77 | B-82 | B-83 | B-88 | B-92 |
|------------|-------------|-------------|-------------|------------|------------|------------|
| 1/30/2019 | <0.03 | | | | | |
| 9/12/2019 | <0.03 | | | | | |
| 9/18/2019 | | 0.0047 (J) | | | | |
| 9/23/2019 | | | 0.0039 (J) | | | |
| 10/21/2019 | <0.03 | | 0.0036 (J) | 0.003 (J) | | |
| 10/24/2019 | | 0.0036 (J) | | | | |
| 8/13/2020 | | 0.0018 (J) | | | | |
| 8/14/2020 | | | | 0.0045 (J) | | |
| 8/17/2020 | | | 0.0016 (J) | | 0.006 (J) | |
| 9/24/2020 | | 0.00095 (J) | | | | |
| 9/25/2020 | | | | 0.0018 (J) | 0.0016 (J) | |
| 9/28/2020 | | | 0.001 (J) | | | |
| 3/4/2021 | | 0.0011 (J) | | 0.0024 (J) | | |
| 3/5/2021 | | | | | 0.029 (J) | |
| 9/13/2021 | | | | | 0.0017 (J) | |
| 9/14/2021 | <0.03 | <0.03 | 0.001 (J) | | | |
| 9/15/2021 | | | | | | 0.012 (J) |
| 9/16/2021 | | | | 0.0021 (J) | | |
| 1/20/2022 | | <0.03 | | | | |
| 1/21/2022 | | | | 0.0022 (J) | | |
| 1/25/2022 | 0.00073 (J) | | 0.00082 (J) | | | |
| 1/26/2022 | | | | | | 0.015 (J) |
| 1/27/2022 | | | | | 0.0066 (J) | |
| 9/12/2022 | | | | | | 0.015 (J) |
| 9/13/2022 | | 0.0021 (JD) | | 0.0027 (J) | | |
| 9/16/2022 | <0.03 | | 0.00078 (J) | | 0.0021 (J) | |
| 1/31/2023 | | | | | | 0.014 (J) |
| 2/3/2023 | | | | 0.0025 (J) | | |
| 2/6/2023 | | <0.03 | | | | |
| 2/7/2023 | <0.03 | | 0.00073 (J) | | 0.0071 (J) | |
| 9/6/2023 | | | | | | 0.0095 (J) |
| 9/11/2023 | <0.03 | | <0.03 | | | |
| 9/12/2023 | | <0.03 | | 0.0021 (J) | 0.004 (J) | |
| Mean | 0.02634 | 0.01342 | 0.003159 | 0.002589 | 0.007263 | 0.0131 |
| Std. Dev. | 0.01035 | 0.01431 | 0.004606 | 0.0008007 | 0.009062 | 0.002356 |
| Upper Lim. | 0.03 | 0.03 | 0.015 | 0.003276 | 0.01268 | 0.01705 |
| Lower Lim. | 0.00073 | 0.0011 | 0.00073 | 0.001903 | 0.001639 | 0.009152 |

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-93 | B-97 | B-98 | DGWC-10 | DGWC-11 | DGWC-12 |
|------------|-----------|------------|-------------|------------|------------|-------------|
| 8/31/2016 | | | | 0.0022 (J) | 0.0022 (J) | |
| 9/1/2016 | | | | | | <0.03 |
| 12/6/2016 | | | | <0.05 | 0.0027 (J) | |
| 12/7/2016 | | | | | | <0.03 |
| 3/29/2017 | | | | 0.002 (J) | 0.0021 (J) | <0.03 |
| 7/12/2017 | | | | 0.0019 (J) | 0.0022 (J) | <0.03 |
| 10/24/2017 | | | | 0.0022 (J) | 0.0024 (J) | |
| 10/25/2017 | | | | | | <0.03 |
| 2/27/2018 | | | | 0.0037 (J) | 0.0022 (J) | 0.00097 (J) |
| 7/11/2018 | | | | | | <0.03 |
| 11/6/2018 | | | | <0.05 | <0.05 | |
| 11/7/2018 | | | | | | <0.03 |
| 8/27/2019 | | | | 0.0053 (J) | 0.0023 (J) | 0.0011 (J) |
| 9/17/2019 | | | | | | 0.0011 (J) |
| 10/15/2019 | | | | 0.0051 (J) | 0.0019 (J) | 0.00091 (J) |
| 3/2/2020 | | | | | 0.0023 (J) | <0.03 |
| 3/3/2020 | | | | 0.0049 (J) | | |
| 8/11/2020 | | | | 0.0033 (J) | 0.0028 (J) | 0.0011 (J) |
| 8/19/2020 | 0.011 (J) | | | | | |
| 9/22/2020 | | | | | 0.0019 (J) | <0.03 |
| 9/24/2020 | | | | 0.0049 (J) | | |
| 9/28/2020 | 0.011 (J) | | | | | |
| 3/2/2021 | | | | | 0.0017 (J) | |
| 3/3/2021 | | | | | | <0.03 |
| 3/4/2021 | | | | 0.0042 (J) | | |
| 3/9/2021 | 0.012 (J) | | | | | |
| 9/9/2021 | | | | | 0.0029 (J) | <0.03 |
| 9/10/2021 | | | | 0.0051 (J) | | |
| 9/15/2021 | 0.011 (J) | 0.0042 (J) | 0.0012 (J) | | | |
| 1/25/2022 | | | | | 0.0021 (J) | <0.03 |
| 1/26/2022 | 0.013 (J) | 0.0047 (J) | 0.0013 (J) | 0.0059 (J) | | |
| 9/12/2022 | 0.013 (J) | | | | | |
| 9/13/2022 | | 0.0052 (J) | 0.0011 (J) | | | |
| 9/15/2022 | | | | 0.0053 (J) | 0.0024 (J) | 0.00088 (J) |
| 1/31/2023 | 0.011 (J) | | 0.00089 (J) | | | |
| 2/1/2023 | | 0.0048 (J) | | | | |
| 2/2/2023 | | | | 0.0049 (J) | | |
| 2/6/2023 | | | | | 0.0018 (J) | <0.03 |
| 9/6/2023 | 0.013 (J) | 0.0045 (J) | 0.00097 (J) | | | |
| 9/8/2023 | | | | | 0.0017 (J) | |
| 9/11/2023 | | | | 0.0043 (J) | | <0.03 |
| Mean | 0.01188 | 0.00468 | 0.001092 | 0.0064 | 0.003478 | 0.0213 |
| Std. Dev. | 0.000991 | 0.0003701 | 0.0001663 | 0.006885 | 0.005382 | 0.01363 |
| Upper Lim. | 0.013 | 0.0053 | 0.001371 | 0.0053 | 0.0027 | 0.03 |
| Lower Lim. | 0.011 | 0.00406 | 0.0008133 | 0.0022 | 0.0019 | 0.0011 |

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-13 | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 | DGWC-2 |
|------------|------------|------------|------------|-------------|------------|-----------|
| 8/31/2016 | | 0.0031 (J) | | | | |
| 9/1/2016 | | | | | 0.0034 (J) | |
| 9/6/2016 | 0.0029 (J) | | 0.0064 (J) | | | |
| 9/7/2016 | | | | <0.03 | | |
| 12/6/2016 | | 0.0042 (J) | | | | |
| 12/7/2016 | 0.003 (J) | | 0.0066 (J) | | 0.0034 (J) | |
| 12/8/2016 | | | | <0.03 | | |
| 3/29/2017 | | 0.0041 (J) | | | 0.0031 (J) | |
| 3/30/2017 | 0.0035 (J) | | 0.0061 (J) | <0.03 | | 0.0807 |
| 5/11/2017 | | | | | | 0.085 |
| 6/15/2017 | | | | | | 0.0781 |
| 7/11/2017 | | | | | | 0.0731 |
| 7/12/2017 | 0.0028 (J) | 0.0036 (J) | 0.006 (J) | <0.03 | 0.0032 (J) | |
| 10/24/2017 | | | | | | 0.0995 |
| 10/25/2017 | | 0.0032 (J) | 0.0061 (J) | <0.03 | 0.0031 (J) | |
| 11/15/2017 | 0.0028 (J) | | | | | |
| 2/27/2018 | | 0.0035 (J) | | | | 0.0875 |
| 2/28/2018 | <0.05 | | 0.0062 (J) | <0.03 | 0.0031 (J) | |
| 7/11/2018 | | 0.0034 (J) | 0.0058 (J) | <0.03 | 0.0034 (J) | 0.033 (J) |
| 11/6/2018 | | | | | | <0.05 |
| 11/7/2018 | <0.05 | <0.05 | <0.05 (O) | <0.03 | <0.05 | |
| 8/27/2019 | | 0.0038 (J) | | 0.00089 (J) | | 0.032 |
| 8/28/2019 | 0.0033 (J) | | 0.0063 (J) | | 0.0032 (J) | |
| 10/16/2019 | 0.0029 (J) | 0.0032 (J) | | | 0.0026 (J) | |
| 10/17/2019 | | | 0.0064 (J) | | | 0.029 (J) |
| 10/18/2019 | | | | 0.00096 (J) | | |
| 3/3/2020 | 0.0035 (J) | 0.008 (J) | 0.0059 (J) | | 0.0034 (J) | 0.026 (J) |
| 3/4/2020 | | | | 0.0011 (J) | | |
| 8/11/2020 | | 0.0035 (J) | | | 0.0031 (J) | 0.028 (J) |
| 8/12/2020 | 0.0034 (J) | | | | | |
| 8/13/2020 | | | 0.0089 (J) | | | |
| 8/14/2020 | | | | 0.0015 (J) | | |
| 9/22/2020 | | 0.0038 (J) | | | 0.0034 (J) | |
| 9/23/2020 | 0.0033 (J) | | 0.006 (J) | | | 0.022 (J) |
| 9/24/2020 | | | | 0.00096 (J) | | |
| 3/2/2021 | 0.0033 (J) | 0.004 (J) | 0.0051 (J) | | 0.003 (J) | 0.023 (J) |
| 3/3/2021 | | | | 0.0011 (J) | | |
| 9/9/2021 | 0.0036 (J) | 0.0044 (J) | 0.0057 (J) | | 0.0035 (J) | 0.024 (J) |
| 9/13/2021 | | | | <0.03 | | |
| 1/20/2022 | | | | | | 0.024 (J) |
| 1/24/2022 | | | 0.0051 (J) | <0.03 | | |
| 1/25/2022 | 0.0037 (J) | 0.0043 (J) | | | 0.0031 (J) | |
| 9/13/2022 | | 0.0043 (J) | 0.0057 (J) | | | |
| 9/14/2022 | | | | <0.03 | 0.0032 (J) | |
| 9/15/2022 | 0.004 (J) | | | | | |
| 9/20/2022 | | | | | | 0.021 (J) |
| 2/1/2023 | 0.0031 (J) | 0.018 (J) | | | | |
| 2/2/2023 | | | 0.005 (J) | | | |
| 2/6/2023 | | | | <0.03 | 0.0026 (J) | 0.017 (J) |
| 9/8/2023 | 0.0031 (J) | 0.0041 (J) | 0.0051 (J) | | 0.0024 (J) | |
| 9/13/2023 | | | | <0.03 | | 0.017 (J) |
| Mean | 0.005678 | 0.005868 | 0.006022 | 0.02087 | 0.004274 | 0.04342 |

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-13 | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 | DGWC-2 |
|------------|----------|----------|-----------|---------|----------|---------|
| Std. Dev. | 0.007037 | 0.005726 | 0.0008708 | 0.01381 | 0.005028 | 0.02901 |
| Upper Lim. | 0.0037 | 0.0044 | 0.0064 | 0.03 | 0.0034 | 0.0807 |
| Lower Lim. | 0.0029 | 0.0034 | 0.0051 | 0.0011 | 0.003 | 0.022 |

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-20 | DGWC-21 | DGWC-22 | DGWC-23 | DGWC-4 | DGWC-42 |
|------------|------------|------------|------------|------------|------------|------------|
| 9/2/2016 | 0.0021 (J) | 0.0057 (J) | 0.0046 (J) | | | |
| 9/7/2016 | | | | | | 0.012 (J) |
| 12/7/2016 | 0.005 (J) | | | | | |
| 12/8/2016 | | 0.0054 (J) | 0.0047 (J) | | | 0.0118 (J) |
| 3/28/2017 | | | | | 0.0031 (J) | |
| 3/29/2017 | 0.0021 (J) | | 0.0043 (J) | | | |
| 3/30/2017 | | 0.0065 (J) | | 0.0162 (J) | | |
| 3/31/2017 | | | | | | 0.0119 (J) |
| 5/12/2017 | | | | 0.0036 (J) | 0.0027 (J) | |
| 6/15/2017 | | | | 0.0063 (J) | 0.0025 (J) | |
| 7/11/2017 | | | | | 0.0022 (J) | |
| 7/12/2017 | 0.0019 (J) | 0.0057 (J) | | 0.0068 (J) | | |
| 7/13/2017 | | | 0.0044 (J) | | | 0.0116 (J) |
| 10/24/2017 | | | | | 0.0024 (J) | |
| 10/25/2017 | 0.0022 (J) | 0.006 (J) | 0.0042 (J) | | | 0.0122 (J) |
| 10/26/2017 | | | | 0.0049 (J) | | |
| 2/27/2018 | | | | | 0.0027 (J) | |
| 2/28/2018 | 0.0019 (J) | 0.0061 (J) | 0.0043 (J) | | | 0.0122 (J) |
| 3/1/2018 | | | | 0.0759 | | |
| 7/11/2018 | 0.0022 (J) | 0.0057 (J) | | | | 0.01 (J) |
| 7/12/2018 | | | 0.0036 (J) | 0.0047 (J) | | |
| 11/6/2018 | | | | | <0.05 | |
| 11/7/2018 | <0.05 | <0.05 | <0.05 | | | <0.05 |
| 11/8/2018 | | | | <0.05 | | |
| 8/27/2019 | | | | | 0.0033 (J) | |
| 8/28/2019 | | | | | | 0.01 (J) |
| 8/29/2019 | 0.0093 (J) | 0.0061 (J) | 0.0035 (J) | 0.0017 (J) | | |
| 10/15/2019 | | | | | 0.0029 (J) | |
| 10/17/2019 | 0.0075 (J) | 0.0063 (J) | | | | 0.011 (J) |
| 10/18/2019 | | | 0.0041 (J) | 0.0039 (J) | | |
| 3/2/2020 | | | | | 0.0035 (J) | |
| 3/3/2020 | | 0.0065 (J) | 0.0046 (J) | | | |
| 3/4/2020 | 0.019 (J) | | | 0.004 (J) | | 0.0091 (J) |
| 8/12/2020 | | | | | 0.0031 (J) | |
| 8/13/2020 | 0.012 (J) | | | 0.0052 (J) | | 0.011 (J) |
| 8/14/2020 | | 0.0058 (J) | 0.0039 (J) | | | |
| 9/22/2020 | 0.0026 (J) | | | | 0.0026 (J) | 0.0099 (J) |
| 9/24/2020 | | 0.0062 (J) | 0.0037 (J) | 0.0045 (J) | | |
| 3/1/2021 | | | | | 0.0035 (J) | |
| 3/2/2021 | 0.011 (J) | | | | | |
| 3/3/2021 | | 0.0054 (J) | 0.0038 (J) | 0.014 (J) | | 0.0079 (J) |
| 9/9/2021 | | 0.006 (J) | | 0.0081 (J) | | |
| 9/10/2021 | 0.0023 (J) | | 0.0039 (J) | | 0.0035 (J) | |
| 9/13/2021 | | | | | | 0.015 (J) |
| 1/20/2022 | | 0.0058 (J) | 0.0032 (J) | 0.0029 (J) | | 0.0069 (J) |
| 1/21/2022 | 0.012 (J) | | | | | |
| 1/24/2022 | | | | | 0.0038 (J) | |
| 9/13/2022 | | | | | | 0.0091 (J) |
| 9/15/2022 | 0.0096 (J) | 0.0069 (J) | | | | |
| 9/16/2022 | | | 0.0033 (J) | | | |
| 9/19/2022 | | | | | 0.0037 (J) | |
| 9/20/2022 | | | | 0.0051 (J) | | |

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-20 | DGWC-21 | DGWC-22 | DGWC-23 | DGWC-4 | DGWC-42 |
|------------|-----------|------------|------------|------------|------------|------------|
| 2/1/2023 | | | | | | 0.0068 (J) |
| 2/3/2023 | | | | | 0.0036 (J) | |
| 2/6/2023 | | | 0.0034 (J) | 0.0022 (J) | | |
| 2/7/2023 | 0.013 (J) | 0.0056 (J) | | | | |
| 9/11/2023 | 0.011 (J) | 0.0055 (J) | 0.0031 (J) | 0.0036 (J) | | |
| 9/13/2023 | | | | | 0.004 (J) | 0.0087 (J) |
| Mean | 0.007984 | 0.006958 | 0.005032 | 0.01045 | 0.004339 | 0.01116 |
| Std. Dev. | 0.006547 | 0.004388 | 0.004861 | 0.01685 | 0.005183 | 0.003923 |
| Upper Lim. | 0.012 | 0.0063 | 0.0044 | 0.014 | 0.0037 | 0.012 |
| Lower Lim. | 0.0021 | 0.0056 | 0.0034 | 0.0036 | 0.0026 | 0.0087 |

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-47 | DGWC-48 | DGWC-5 | DGWC-8 | DGWC-9 | B-125D |
|------------|---------|---------|------------|------------|------------|--------|
| 8/30/2016 | | | | 0.005 (J) | 0.0212 (J) | |
| 8/31/2016 | | | 0.0026 (J) | | | |
| 9/1/2016 | 0.0854 | 0.125 | | | | |
| 12/6/2016 | | | 0.0046 (J) | 0.0066 (J) | 0.0242 (J) | |
| 12/8/2016 | 0.0667 | 0.122 | | | | |
| 3/28/2017 | | | 0.0028 (J) | | 0.0249 (J) | |
| 3/29/2017 | | | | 0.0059 (J) | | |
| 3/30/2017 | | 0.144 | | | | |
| 3/31/2017 | 0.0767 | | | | | |
| 7/11/2017 | | | 0.0031 (J) | 0.0045 (J) | 0.022 (J) | |
| 7/13/2017 | 0.0743 | 0.143 | | | | |
| 10/24/2017 | | | | 0.0072 (J) | 0.0281 (J) | |
| 10/25/2017 | | | 0.0055 (J) | | | |
| 10/26/2017 | 0.071 | 0.115 | | | | |
| 2/27/2018 | | | 0.0066 (J) | 0.0075 (J) | 0.031 (J) | |
| 3/1/2018 | 0.0772 | | | | | |
| 3/2/2018 | | 0.129 | | | | |
| 7/11/2018 | | | | | 0.028 (J) | |
| 7/12/2018 | 0.073 | 0.12 | | | | |
| 11/6/2018 | | | <0.05 | <0.05 | <0.05 | |
| 11/7/2018 | 0.082 | 0.12 | | | | |
| 8/27/2019 | | | 0.008 (J) | | 0.031 | |
| 8/28/2019 | | | | 0.0048 (J) | | |
| 8/29/2019 | 0.056 | 0.11 | | | | |
| 10/16/2019 | | | 0.006 (J) | 0.0045 (J) | | |
| 10/17/2019 | 0.066 | | | | 0.029 (J) | |
| 10/18/2019 | | 0.11 | | | | |
| 3/2/2020 | | | 0.0079 (J) | | | |
| 3/3/2020 | | | | 0.0052 (J) | 0.028 (J) | |
| 3/4/2020 | 0.063 | 0.12 | | | | |
| 8/11/2020 | | | | | 0.032 | |
| 8/12/2020 | 0.054 | | 0.0067 (J) | 0.0058 (J) | | |
| 8/13/2020 | | 0.098 | | | | |
| 9/22/2020 | | | 0.0065 (J) | | 0.025 (J) | |
| 9/23/2020 | 0.046 | 0.1 | | 0.0045 (J) | | |
| 3/2/2021 | | | 0.0064 (J) | 0.0046 (J) | 0.028 (J) | |
| 3/3/2021 | 0.049 | 0.096 | | | | |
| 9/10/2021 | 0.053 | 0.095 | 0.0071 (J) | | 0.027 (J) | |
| 9/13/2021 | | | | 0.0034 (J) | | |
| 1/21/2022 | 0.055 | | | | | |
| 1/24/2022 | | 0.11 | 0.0068 (J) | | | |
| 1/25/2022 | | | | 0.0032 (J) | | |
| 1/26/2022 | | | | | 0.029 (J) | |
| 9/13/2022 | 0.05 | 0.099 | | | | |
| 9/14/2022 | | | 0.0081 (J) | | | |
| 9/15/2022 | | | | 0.0039 (J) | | |
| 9/19/2022 | | | | | 0.023 (J) | |
| 2/3/2023 | 0.048 | 0.089 | | | 0.025 (J) | |
| 2/7/2023 | | | 0.0072 (J) | 0.0036 (J) | | |
| 3/16/2023 | | | | | | 0.074 |
| 3/21/2023 | | | | | | 0.078 |
| 4/10/2023 | | | | | | 0.034 |

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-47 | DGWC-48 | DGWC-5 | DGWC-8 | DGWC-9 | B-125D |
|------------|---------|---------|------------|------------|----------|---------|
| 9/12/2023 | 0.034 | | | 0.0045 (J) | | |
| 9/13/2023 | | 0.096 | 0.0081 (J) | | | |
| 9/14/2023 | | | | | | 0.031 |
| Mean | 0.06212 | 0.1127 | 0.007167 | 0.006094 | 0.02674 | 0.05425 |
| Std. Dev. | 0.01407 | 0.01596 | 0.004789 | 0.004873 | 0.003134 | 0.0252 |
| Upper Lim. | 0.07036 | 0.122 | 0.008 | 0.0066 | 0.02864 | 0.1115 |
| Lower Lim. | 0.05388 | 0.1033 | 0.0046 | 0.0039 | 0.02485 | 0 |

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-100 | B-101D | B-104D | B-107D | B-108D | B-111D |
|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 8/17/2020 | 0.00011 (J) | | | | | |
| 9/25/2020 | <0.0002 | | | | | |
| 12/9/2020 | | | 7.9E-05 (J) | 0.00016 (J) | 0.00014 (J) | 9.4E-05 (J) |
| 1/12/2021 | | <0.0002 | <0.0002 | | | <0.0002 |
| 3/4/2021 | | | <0.0002 | <0.0002 | <0.0002 | |
| 3/5/2021 | | 0.00014 (J) | | | | <0.0002 |
| 9/13/2021 | <0.0002 | <0.0002 | | <0.0002 | | |
| 9/14/2021 | | | <0.0002 | | <0.0002 | <0.0002 |
| 1/21/2022 | <0.0002 | | | | | |
| 1/24/2022 | | | <0.0002 | <0.0002 | <0.0002 | <0.0002 |
| 1/26/2022 | | <0.0002 | | | | |
| 9/8/2022 | <0.0002 | | | | | |
| 9/13/2022 | | | <0.0002 | | | |
| 9/14/2022 | | | | <0.0002 | | <0.0002 |
| 9/15/2022 | | | | | <0.0002 | |
| 9/16/2022 | | <0.0002 | | | | |
| 2/2/2023 | <0.0002 | | | | | |
| 2/3/2023 | | 0.00029 | <0.0002 | | | |
| 2/6/2023 | | | | <0.0002 | | |
| 2/7/2023 | | | | | <0.0002 | <0.0002 |
| 9/6/2023 | <0.0002 | | | | | |
| 9/8/2023 | | <0.0002 | | | | |
| 9/12/2023 | | | | <0.0002 | | |
| 9/13/2023 | | | <0.0002 | | <0.0002 | <0.0002 |
| Mean | 0.0001871 | 0.0002043 | 0.0001849 | 0.0001943 | 0.0001914 | 0.0001867 |
| Std. Dev. | 3.402E-05 | 4.392E-05 | 4.278E-05 | 1.512E-05 | 2.268E-05 | 3.748E-05 |
| Upper Lim. | 0.0002 | 0.00029 | 0.0002 | 0.0002 | 0.0002 | 0.0002 |
| Lower Lim. | 0.00011 | 0.00014 | 7.9E-05 | 0.00016 | 0.00014 | 9.4E-05 |

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-56 | B-66 | B-82 | B-88 | B-92 | B-93 |
|------------|-------------|-----------|-------------|-------------|-------------|-------------|
| 1/30/2019 | | <0.0002 | | | | |
| 9/12/2019 | | <0.0002 | | | | |
| 9/23/2019 | | | <0.0002 | | | |
| 10/21/2019 | | <0.0002 | <0.0002 | | | |
| 8/17/2020 | 0.00016 (J) | | 0.00011 (J) | 0.00011 (J) | | |
| 8/19/2020 | | | | | | 0.00026 |
| 9/25/2020 | | | | <0.0002 | | |
| 9/28/2020 | <0.0002 | | <0.0002 | | | 0.00024 (J) |
| 3/3/2021 | <0.0002 | | | | | |
| 3/5/2021 | | | | 0.0001 (J) | | |
| 3/9/2021 | | | | | | 0.00015 (J) |
| 9/13/2021 | <0.0002 | | | <0.0002 | | |
| 9/14/2021 | | <0.0002 | <0.0002 | | | |
| 9/15/2021 | | | | | 0.00017 (J) | 9.8E-05 (J) |
| 1/25/2022 | | <0.0002 | <0.0002 | | | |
| 1/26/2022 | | | | | <0.0002 | <0.0002 |
| 1/27/2022 | <0.0002 | | | <0.0002 | | |
| 9/12/2022 | | | | | 0.00015 (J) | 0.00016 (J) |
| 9/16/2022 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | | |
| 1/31/2023 | | | | | 0.00017 (J) | <0.0002 |
| 2/7/2023 | 0.00034 | 0.00029 | <0.0002 | <0.0002 | | |
| 9/6/2023 | | | | | <0.0002 | <0.0002 |
| 9/8/2023 | <0.0002 | | | | | |
| 9/11/2023 | | <0.0002 | <0.0002 | | | |
| 9/12/2023 | | | | <0.0002 | | |
| Mean | 0.0002125 | 0.0002112 | 0.00019 | 0.0001762 | 0.000178 | 0.0001885 |
| Std. Dev. | 5.339E-05 | 3.182E-05 | 3E-05 | 4.406E-05 | 2.168E-05 | 5.161E-05 |
| Upper Lim. | 0.00034 | 0.00029 | 0.0002 | 0.0002 | 0.0001725 | 0.0002227 |
| Lower Lim. | 0.00016 | 0.0002 | 0.00011 | 0.0001 | 0.0001409 | 0.0001063 |

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-10 | DGWC-11 | DGWC-12 | DGWC-13 | DGWC-14 | DGWC-15 |
|------------|-------------|-----------|-------------|-----------|-----------|-----------|
| 8/31/2016 | 7E-05 (J) | 5E-05 (J) | | | 5E-05 (J) | |
| 9/1/2016 | | | 9E-05 (J) | | | |
| 9/6/2016 | | | | <0.0002 | | <0.0002 |
| 12/6/2016 | 9E-05 (J) | 8E-05 (J) | | | 8E-05 (J) | |
| 12/7/2016 | | | <0.0002 | 9E-05 (J) | | <0.0002 |
| 3/29/2017 | 8E-05 (J) | 6E-05 (J) | 0.00014 (J) | | 6E-05 (J) | |
| 3/30/2017 | | | | 7E-05 (J) | | 6E-05 (J) |
| 7/12/2017 | <0.0002 | <0.0002 | 8E-05 (J) | <0.0002 | <0.0002 | <0.0002 |
| 10/24/2017 | <0.0002 | <0.0002 | | | | |
| 10/25/2017 | | | 6E-05 (J) | | <0.0002 | <0.0002 |
| 11/15/2017 | | | | <0.0002 | | |
| 2/27/2018 | <0.0002 | <0.0002 | 6E-05 (J) | | <0.0002 | |
| 2/28/2018 | | | | <0.0002 | | <0.0002 |
| 7/11/2018 | | | 3.6E-05 (J) | | <0.0002 | <0.0002 |
| 11/6/2018 | <0.0002 | <0.0002 | | | | |
| 11/7/2018 | | | <0.0002 | <0.0002 | <0.0002 | <0.0002 |
| 8/27/2019 | <0.0002 | <0.0002 | <0.0002 | | <0.0002 | |
| 8/28/2019 | | | | <0.0002 | | <0.0002 |
| 9/17/2019 | | | <0.0002 | | | |
| 10/15/2019 | <0.0002 | <0.0002 | <0.0002 | | | |
| 10/16/2019 | | | | <0.0002 | <0.0002 | |
| 10/17/2019 | | | | | | <0.0002 |
| 3/2/2020 | | <0.0002 | <0.0002 | | | |
| 3/3/2020 | <0.0002 | | | <0.0002 | <0.0002 | <0.0002 |
| 8/11/2020 | <0.0002 | <0.0002 | <0.0002 | | <0.0002 | |
| 8/12/2020 | | | | <0.0002 | | |
| 8/13/2020 | | | | | | <0.0002 |
| 9/22/2020 | | <0.0002 | <0.0002 | | <0.0002 | |
| 9/23/2020 | | | | <0.0002 | | <0.0002 |
| 9/24/2020 | 8.1E-05 (J) | | | | | |
| 3/2/2021 | | <0.0002 | | <0.0002 | <0.0002 | <0.0002 |
| 3/3/2021 | | | <0.0002 | | | |
| 3/4/2021 | <0.0002 | | | | | |
| 9/9/2021 | | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 |
| 9/10/2021 | <0.0002 | | | | | |
| 1/24/2022 | | | | | | <0.0002 |
| 1/25/2022 | | <0.0002 | <0.0002 | <0.0002 | <0.0002 | |
| 1/26/2022 | <0.0002 | | | | | |
| 9/13/2022 | | | | | <0.0002 | <0.0002 |
| 9/15/2022 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | | |
| 2/1/2023 | | | | <0.0002 | <0.0002 | |
| 2/2/2023 | <0.0002 | | | | | <0.0002 |
| 2/6/2023 | | <0.0002 | <0.0002 | | | |
| 9/8/2023 | | 0.00048 | | <0.0002 | <0.0002 | <0.0002 |
| 9/11/2023 | 0.0021 | | <0.0002 | | | |
| Mean | 0.0002789 | 0.0001928 | 0.0001633 | 0.0001867 | 0.0001784 | 0.0001926 |
| Std. Dev. | 0.0004573 | 8.877E-05 | 6.038E-05 | 3.896E-05 | 5.145E-05 | 3.212E-05 |
| Upper Lim. | 0.0021 | 0.00048 | 0.0002 | 0.0002 | 0.0002 | 0.0002 |
| Lower Lim. | 9E-05 | 8E-05 | 9E-05 | 9E-05 | 8E-05 | 6E-05 |

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-17 | DGWC-19 | DGWC-2 | DGWC-20 | DGWC-21 | DGWC-22 |
|------------|-------------|-------------|-------------|-----------|-------------|-------------|
| 9/1/2016 | | 4E-05 (J) | | | | |
| 9/2/2016 | | | | <0.0002 | 6E-05 (J) | 5E-05 (J) |
| 9/7/2016 | 6E-05 (J) | | | | | |
| 12/7/2016 | | 5E-05 (J) | | 8E-05 (J) | | |
| 12/8/2016 | <0.0002 | | | | <0.0002 | <0.0002 |
| 3/29/2017 | | 9E-05 (J) | | 8E-05 (J) | | 0.0001 (J) |
| 3/30/2017 | 0.00012 (J) | | 7E-05 (J) | | 8E-05 (J) | |
| 5/11/2017 | | | 8.3E-05 (J) | | | |
| 6/15/2017 | | | 8E-05 (J) | | | |
| 7/11/2017 | | | <0.0002 | | | |
| 7/12/2017 | 5E-05 (J) | <0.0002 | | <0.0002 | 6E-05 (J) | |
| 7/13/2017 | | | | | | <0.0002 |
| 10/24/2017 | | | <0.0002 | | | |
| 10/25/2017 | 5E-05 (J) | <0.0002 | | <0.0002 | 5E-05 (J) | <0.0002 |
| 2/27/2018 | | | <0.0002 | | | |
| 2/28/2018 | <0.0002 | <0.0002 | | <0.0002 | <0.0002 | <0.0002 |
| 7/11/2018 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | <0.0002 | |
| 7/12/2018 | | | | | | 5.5E-05 (J) |
| 11/6/2018 | | | 0.00064 | | | |
| 11/7/2018 | <0.0002 | <0.0002 | | <0.0002 | <0.0002 | <0.0002 |
| 8/27/2019 | 0.00016 (J) | | <0.0002 | | | |
| 8/28/2019 | | <0.0002 | | | | |
| 8/29/2019 | | | | <0.0002 | <0.0002 | <0.0002 |
| 10/16/2019 | | <0.0002 | | | | |
| 10/17/2019 | | | <0.0002 | <0.0002 | <0.0002 | |
| 10/18/2019 | <0.0002 | | | | | <0.0002 |
| 3/3/2020 | | <0.0002 | <0.0002 | | <0.0002 | <0.0002 |
| 3/4/2020 | <0.0002 | | | <0.0002 | | |
| 8/11/2020 | | <0.0002 | <0.0002 | | | |
| 8/13/2020 | | | | <0.0002 | | |
| 8/14/2020 | 9.8E-05 (J) | | | | <0.0002 | <0.0002 |
| 9/22/2020 | | <0.0002 | | <0.0002 | | |
| 9/23/2020 | | | <0.0002 | | | |
| 9/24/2020 | 8.2E-05 (J) | | | | 0.00012 (J) | <0.0002 |
| 3/2/2021 | | <0.0002 | <0.0002 | 9E-05 (J) | | |
| 3/3/2021 | <0.0002 | | | | <0.0002 | <0.0002 |
| 9/9/2021 | | <0.0002 | <0.0002 | | <0.0002 | |
| 9/10/2021 | | | | <0.0002 | | 0.00011 (J) |
| 9/13/2021 | 8.6E-05 (J) | | | | | |
| 1/20/2022 | | | <0.0002 | | <0.0002 | <0.0002 |
| 1/21/2022 | | | | <0.0002 | | |
| 1/24/2022 | <0.0002 | | | | | |
| 1/25/2022 | | <0.0002 | | | | |
| 9/14/2022 | <0.0002 | <0.0002 | | | | |
| 9/15/2022 | | | | <0.0002 | <0.0002 | |
| 9/16/2022 | | | | | | <0.0002 |
| 9/20/2022 | | | <0.0002 | | | |
| 2/6/2023 | 0.00014 (J) | 0.00013 (J) | <0.0002 | | | 0.00014 (J) |
| 2/7/2023 | | | | <0.0002 | <0.0002 | |
| 9/8/2023 | | <0.0002 | | | | |
| 9/11/2023 | | | | <0.0002 | <0.0002 | <0.0002 |
| 9/13/2023 | <0.0002 | | <0.0002 | | | |

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-17 | DGWC-19 | DGWC-2 | DGWC-20 | DGWC-21 | DGWC-22 |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Mean | 0.0001498 | 0.0001742 | 0.0002038 | 0.0001816 | 0.0001668 | 0.0001713 |
| Std. Dev. | 6.038E-05 | 5.399E-05 | 0.0001151 | 4.375E-05 | 5.85E-05 | 5.249E-05 |
| Upper Lim. | 0.0002 | 0.0002 | 0.00064 | 0.0002 | 0.0002 | 0.0002 |
| Lower Lim. | 8.2E-05 | 0.00013 | 8.3E-05 | 9E-05 | 8E-05 | 0.00011 |

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-48 | DGWC-5 | DGWC-8 |
|------------|-------------|-------------|-----------|-----------|-------------|-------------|
| 8/30/2016 | | | | | | 9E-05 (J) |
| 8/31/2016 | | | | | 0.00015 (J) | |
| 9/1/2016 | | | | <0.0002 | | |
| 9/7/2016 | | | <0.0002 | | | |
| 12/6/2016 | | | | | 0.00012 (J) | 0.0001 (J) |
| 12/8/2016 | | | <0.0002 | <0.0002 | | |
| 3/28/2017 | | <0.0002 | | | 0.00017 (J) | |
| 3/29/2017 | | | | | | 0.00012 (J) |
| 3/30/2017 | 0.0002 (J) | | | 6E-05 (J) | | |
| 3/31/2017 | | | 4E-05 (J) | | | |
| 5/12/2017 | 0.00015 (J) | 8.2E-05 (J) | | | | |
| 6/15/2017 | 0.00019 (J) | 8E-05 (J) | | | | |
| 7/11/2017 | | <0.0002 | | | 0.0002 (J) | 6E-05 (J) |
| 7/12/2017 | 0.00012 (J) | | | | | |
| 7/13/2017 | | | <0.0002 | <0.0002 | | |
| 10/24/2017 | | <0.0002 | | | | <0.0002 |
| 10/25/2017 | | | <0.0002 | | 9E-05 (J) | |
| 10/26/2017 | 0.00012 (J) | | | <0.0002 | | |
| 2/27/2018 | | <0.0002 | | | 9E-05 (J) | 4.2E-05 (J) |
| 2/28/2018 | | | <0.0002 | | | |
| 3/1/2018 | <0.0002 | | | | | |
| 3/2/2018 | | | | <0.0002 | | |
| 7/11/2018 | | | <0.0002 | | | |
| 7/12/2018 | 0.00016 (J) | | | <0.0002 | | |
| 11/6/2018 | | 0.00059 | | | 0.00055 | <0.0002 |
| 11/7/2018 | | | <0.0002 | <0.0002 | | |
| 11/8/2018 | <0.0002 | | | | | |
| 8/27/2019 | | <0.0002 | | | 0.00016 (J) | |
| 8/28/2019 | | | <0.0002 | | | <0.0002 |
| 8/29/2019 | <0.0002 | | | <0.0002 | | |
| 10/15/2019 | | <0.0002 | | | | |
| 10/16/2019 | | | | | <0.0002 | <0.0002 |
| 10/17/2019 | | | <0.0002 | | | |
| 10/18/2019 | <0.0002 | | | <0.0002 | | |
| 3/2/2020 | | <0.0002 | | | <0.0002 | |
| 3/3/2020 | | | | | | <0.0002 |
| 3/4/2020 | 0.00026 | | <0.0002 | <0.0002 | | |
| 8/12/2020 | | <0.0002 | | | 0.00017 (J) | 7.9E-05 (J) |
| 8/13/2020 | 0.00014 (J) | | <0.0002 | <0.0002 | | |
| 9/22/2020 | | <0.0002 | <0.0002 | | 0.0002 (J) | |
| 9/23/2020 | | | | <0.0002 | | <0.0002 |
| 9/24/2020 | 0.0002 (J) | | | | | |
| 3/1/2021 | | <0.0002 | | | | |
| 3/2/2021 | | | | | 9.4E-05 (J) | <0.0002 |
| 3/3/2021 | 0.00033 | | <0.0002 | <0.0002 | | |
| 9/9/2021 | 0.00011 (J) | | | | | |
| 9/10/2021 | | 0.00013 (J) | | <0.0002 | 0.0003 | |
| 9/13/2021 | | | <0.0002 | | | <0.0002 |
| 1/20/2022 | <0.0002 | | <0.0002 | | | |
| 1/24/2022 | | 0.00022 | | <0.0002 | 0.00028 | |
| 1/25/2022 | | | | | | <0.0002 |
| 9/13/2022 | | | <0.0002 | <0.0002 | | |

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-23 | DGWC-4 | DGWC-42 | DGWC-48 | DGWC-5 | DGWC-8 |
|------------|-----------|-----------|-----------|-----------|-----------|-------------|
| 9/14/2022 | | | | | 0.00022 | |
| 9/15/2022 | | | | | | <0.0002 |
| 9/19/2022 | | <0.0002 | | | | |
| 9/20/2022 | <0.0002 | | | | | |
| 2/1/2023 | | | <0.0002 | | | |
| 2/3/2023 | | <0.0002 | | <0.0002 | | |
| 2/6/2023 | <0.0002 | | | | | |
| 2/7/2023 | | | | | 0.00026 | <0.0002 |
| 9/11/2023 | <0.0002 | | | | | |
| 9/12/2023 | | | | | | 0.00013 (J) |
| 9/13/2023 | | <0.0002 | <0.0002 | <0.0002 | 0.00028 | |
| Mean | 0.0001884 | 0.0002057 | 0.0001916 | 0.0001926 | 0.0001963 | 0.0001567 |
| Std. Dev. | 5.091E-05 | 0.0001044 | 3.671E-05 | 3.212E-05 | 0.0001129 | 5.886E-05 |
| Upper Lim. | 0.0002 | 0.00022 | 0.0002 | 0.0002 | 0.0002483 | 0.0002 |
| Lower Lim. | 0.00014 | 0.00013 | 4E-05 | 6E-05 | 0.0001291 | 9E-05 |

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-9 |
|------------|-------------|
| 8/30/2016 | <0.0002 |
| 12/6/2016 | 5E-05 (J) |
| 3/28/2017 | <0.0002 |
| 7/11/2017 | <0.0002 |
| 10/24/2017 | <0.0002 |
| 2/27/2018 | 4.2E-05 (J) |
| 7/11/2018 | <0.0002 |
| 11/6/2018 | <0.0002 |
| 8/27/2019 | 0.00021 (J) |
| 10/17/2019 | 0.00042 (J) |
| 3/3/2020 | <0.0002 |
| 8/11/2020 | 0.00026 |
| 9/22/2020 | 0.00013 (J) |
| 3/2/2021 | 0.00017 (J) |
| 9/10/2021 | 0.00014 (J) |
| 1/26/2022 | 0.00014 (J) |
| 9/19/2022 | 0.0002 |
| 2/3/2023 | 0.00017 (J) |
| Mean | 0.0001851 |
| Std. Dev. | 8.025E-05 |
| Upper Lim. | 0.0002 |
| Lower Lim. | 0.00014 |

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-100 | B-101D | B-102D | B-104D | B-108D | B-111D |
|------------|---------|------------|------------|-------------|-------------|------------|
| 8/17/2020 | <0.01 | | | | | |
| 9/25/2020 | <0.01 | | | | | |
| 12/9/2020 | | | | 0.0012 (J) | <0.01 | 0.0055 (J) |
| 12/17/2020 | | | <0.01 | | | |
| 1/11/2021 | | | <0.01 | | | |
| 1/12/2021 | | 0.0022 (J) | | <0.01 | | 0.0054 (J) |
| 3/4/2021 | | | <0.01 | <0.01 | <0.01 | |
| 3/5/2021 | | <0.01 | | | | 0.0067 (J) |
| 3/8/2021 | <0.01 | | | | | |
| 9/10/2021 | | | <0.01 | | | |
| 9/13/2021 | <0.01 | <0.01 | | | | |
| 9/14/2021 | | | | <0.01 | <0.01 | 0.013 |
| 1/21/2022 | <0.01 | | | | | |
| 1/24/2022 | | | | 0.00083 (J) | <0.01 | 0.0052 (J) |
| 1/26/2022 | | <0.01 | | | | |
| 1/27/2022 | | | <0.01 | | | |
| 9/8/2022 | <0.01 | | | | | |
| 9/13/2022 | | | | <0.01 | | |
| 9/14/2022 | | | | | | 0.0069 (J) |
| 9/15/2022 | | | 0.0015 (J) | | <0.01 | |
| 9/16/2022 | | <0.01 | | | | |
| 2/2/2023 | 0.19 | | <0.01 | | | |
| 2/3/2023 | | <0.01 | | <0.01 | | |
| 2/7/2023 | | | | | <0.01 | 0.0077 (J) |
| 9/6/2023 | <0.01 | | | | | |
| 9/8/2023 | | <0.01 | | | | |
| 9/11/2023 | | | <0.01 | | | |
| 9/13/2023 | | | | 0.00092 (J) | 0.00078 (J) | 0.0071 (J) |
| Mean | 0.0325 | 0.008886 | 0.008937 | 0.006619 | 0.008683 | 0.007188 |
| Std. Dev. | 0.06364 | 0.002948 | 0.003005 | 0.004668 | 0.003485 | 0.002518 |
| Upper Lim. | 0.19 | 0.01 | 0.01 | 0.01 | 0.01 | 0.013 |
| Lower Lim. | 0.01 | 0.0022 | 0.0015 | 0.00083 | 0.00078 | 0.0052 |

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-120D | B-66 | B-82 | B-88 | B-98 | DGWC-13 |
|------------|-------------|------------|-------------|------------|-------------|------------|
| 9/6/2016 | | | | | | 0.0371 |
| 12/7/2016 | | | | | | 0.0273 |
| 3/30/2017 | | | | | | 0.03 |
| 7/12/2017 | | | | | | 0.0323 |
| 11/15/2017 | | | | | | 0.0275 |
| 2/28/2018 | | | | | | 0.0093 (J) |
| 11/7/2018 | | | | | | 0.018 |
| 1/30/2019 | | <0.01 | | | | |
| 8/28/2019 | | | | | | 0.015 |
| 9/12/2019 | | 0.0018 (J) | | | | |
| 9/23/2019 | | | <0.01 | | | |
| 10/16/2019 | | | | | | 0.014 |
| 10/21/2019 | | 0.0015 (J) | <0.01 | | | |
| 3/3/2020 | | | | | | 0.018 |
| 8/12/2020 | | | | | | 0.012 |
| 8/17/2020 | | | <0.01 | 0.0012 (J) | | |
| 9/23/2020 | | | | | | 0.012 |
| 9/25/2020 | | | | 0.0012 (J) | | |
| 9/28/2020 | | | <0.01 | | | |
| 3/2/2021 | | | | | | 0.011 |
| 3/5/2021 | | | | <0.01 | | |
| 4/15/2021 | 0.00089 (J) | | | | | |
| 9/9/2021 | | | | | | 0.011 |
| 9/13/2021 | | | | <0.01 | | |
| 9/14/2021 | <0.01 | <0.01 | <0.01 | | | |
| 9/15/2021 | | | | | <0.01 | |
| 1/20/2022 | <0.01 | | | | | |
| 1/25/2022 | | <0.01 | <0.01 | | | 0.0093 (J) |
| 1/26/2022 | | | | | 0.0015 (J) | |
| 1/27/2022 | | | | <0.01 | | |
| 9/13/2022 | | | | | 0.00084 (J) | |
| 9/15/2022 | | | | | | 0.0094 (J) |
| 9/16/2022 | | <0.01 | <0.01 | <0.01 | | |
| 9/19/2022 | <0.01 | | | | | |
| 1/31/2023 | | | | | 0.0014 (J) | |
| 2/1/2023 | | | | | | 0.0085 (J) |
| 2/3/2023 | <0.01 | | | | | |
| 2/7/2023 | | <0.01 | <0.01 | <0.01 | | |
| 9/6/2023 | | | | | 0.00075 (J) | |
| 9/8/2023 | | | | | | 0.0073 (J) |
| 9/11/2023 | | <0.01 | 0.00081 (J) | | | |
| 9/12/2023 | <0.01 | | | <0.01 | | |
| Mean | 0.008482 | 0.007912 | 0.008979 | 0.0078 | 0.002898 | 0.01717 |
| Std. Dev. | 0.003719 | 0.003866 | 0.003063 | 0.004074 | 0.003984 | 0.009402 |
| Upper Lim. | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02133 |
| Lower Lim. | 0.00089 | 0.0015 | 0.00081 | 0.0012 | 0.00075 | 0.0112 |

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-22 | DGWC-23 | DGWC-4 |
|------------|------------|-------------|------------|------------|
| 9/2/2016 | | <0.01 | | |
| 12/8/2016 | | <0.01 | | |
| 3/28/2017 | | | | 0.008 (J) |
| 3/29/2017 | | <0.01 | | |
| 3/30/2017 | 0.0009 (J) | | 0.0084 (J) | |
| 5/11/2017 | 0.0009 (J) | | | |
| 5/12/2017 | | | 0.0085 (J) | 0.0062 (J) |
| 6/15/2017 | <0.01 | | 0.0104 | 0.0044 (J) |
| 7/11/2017 | <0.01 | | | 0.0041 (J) |
| 7/12/2017 | | | 0.0092 (J) | |
| 7/13/2017 | | <0.01 | | |
| 10/24/2017 | <0.01 | | | 0.0072 (J) |
| 10/25/2017 | | <0.01 | | |
| 10/26/2017 | | | 0.0077 (J) | |
| 2/27/2018 | <0.01 | | | 0.0069 (J) |
| 2/28/2018 | | <0.01 | | |
| 3/1/2018 | | | 0.0045 (J) | |
| 7/11/2018 | <0.01 | | | |
| 7/12/2018 | | <0.01 | 0.012 | |
| 11/6/2018 | <0.01 | | | <0.01 (J) |
| 11/7/2018 | | <0.01 | | |
| 11/8/2018 | | | 0.012 | |
| 8/27/2019 | 0.002 (J) | | | 0.0065 (J) |
| 8/29/2019 | | <0.01 | 0.014 | |
| 10/15/2019 | | | | 0.0061 (J) |
| 10/17/2019 | 0.0018 (J) | | | |
| 10/18/2019 | | <0.01 | 0.0091 (J) | |
| 3/2/2020 | | | | 0.0059 (J) |
| 3/3/2020 | 0.0022 (J) | <0.01 | | |
| 3/4/2020 | | | 0.0047 (J) | |
| 8/11/2020 | 0.002 (J) | | | |
| 8/12/2020 | | | | 0.0057 (J) |
| 8/13/2020 | | | 0.013 | |
| 8/14/2020 | | <0.01 | | |
| 9/22/2020 | | | | 0.0028 (J) |
| 9/23/2020 | 0.0022 (J) | | | |
| 9/24/2020 | | <0.01 | 0.0088 (J) | |
| 3/1/2021 | | | | 0.0051 (J) |
| 3/2/2021 | 0.0021 (J) | | | |
| 3/3/2021 | | <0.01 | 0.0026 (J) | |
| 9/9/2021 | 0.0023 (J) | | 0.01 | |
| 9/10/2021 | | <0.01 | | 0.0052 (J) |
| 1/20/2022 | 0.0022 (J) | <0.01 | 0.0073 (J) | |
| 1/24/2022 | | | | 0.0045 (J) |
| 9/16/2022 | | <0.01 | | |
| 9/19/2022 | | | | 0.0037 (J) |
| 9/20/2022 | 0.0021 (J) | | 0.0095 (J) | |
| 2/3/2023 | | | | 0.0035 (J) |
| 2/6/2023 | 0.0021 (J) | <0.01 | 0.007 (J) | |
| 9/11/2023 | | 0.00097 (J) | 0.0088 (J) | |
| 9/13/2023 | 0.0022 (J) | | | 0.0034 (J) |
| Mean | 0.004474 | 0.009525 | 0.008816 | 0.005233 |

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-2 | DGWC-22 | DGWC-23 | DGWC-4 |
|------------|----------|----------|----------|----------|
| Std. Dev. | 0.003876 | 0.002072 | 0.002892 | 0.001445 |
| Upper Lim. | 0.01 | 0.01 | 0.01051 | 0.006107 |
| Lower Lim. | 0.002 | 0.00097 | 0.007122 | 0.004359 |

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-100 | B-101D | B-104D | B-108D | B-111D | B-120D |
|------------|------------|------------|------------|------------|------------|------------|
| 8/17/2020 | <0.005 | | | | | |
| 9/25/2020 | <0.005 | | | | | |
| 12/9/2020 | | | <0.005 | <0.005 | <0.005 | |
| 1/12/2021 | | <0.005 | 0.0016 (J) | | <0.005 | |
| 3/4/2021 | | | 0.0031 (J) | 0.0016 (J) | | |
| 3/5/2021 | | 0.0031 (J) | | | 0.0022 (J) | |
| 3/8/2021 | 0.0019 (J) | | | | | |
| 4/15/2021 | | | | | | 0.0016 (J) |
| 9/13/2021 | <0.005 | <0.005 | | | | |
| 9/14/2021 | | | <0.005 | <0.005 | <0.005 | 0.0022 (J) |
| 1/20/2022 | | | | | | 0.0021 (J) |
| 1/21/2022 | <0.005 | | | | | |
| 1/24/2022 | | | <0.005 | <0.005 | <0.005 | |
| 1/26/2022 | | <0.005 | | | | |
| 9/8/2022 | <0.005 | | | | | |
| 9/13/2022 | | | <0.005 | | | |
| 9/14/2022 | | | | | <0.005 | |
| 9/15/2022 | | | | <0.005 | | |
| 9/16/2022 | | <0.005 | | | | |
| 9/19/2022 | | | | | | 0.0038 (J) |
| 2/2/2023 | <0.005 | | | | | |
| 2/3/2023 | | <0.005 | 0.0018 (J) | | | 0.005 (J) |
| 2/7/2023 | | | | <0.005 | <0.005 | |
| 9/6/2023 | <0.005 | | | | | |
| 9/8/2023 | | <0.005 | | | | |
| 9/12/2023 | | | | | | 0.0052 |
| 9/13/2023 | | | 0.0016 (J) | <0.005 | <0.005 | |
| Mean | 0.004612 | 0.004729 | 0.003512 | 0.004514 | 0.00465 | 0.003317 |
| Std. Dev. | 0.001096 | 0.0007181 | 0.001659 | 0.001285 | 0.0009899 | 0.001568 |
| Upper Lim. | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.00547 |
| Lower Lim. | 0.0019 | 0.0031 | 0.0016 | 0.0016 | 0.0022 | 0.001163 |

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-56 | B-77 | B-82 | B-83 | B-88 | B-92 |
|------------|----------|------------|------------|------------|------------|------------|
| 9/18/2019 | | <0.005 | | | | |
| 9/23/2019 | | | <0.005 | | | |
| 10/21/2019 | | | 0.0016 (J) | 0.0082 (J) | | |
| 10/24/2019 | | <0.005 | | | | |
| 8/13/2020 | | <0.005 | | | | |
| 8/14/2020 | | | | 0.015 | | |
| 8/17/2020 | 0.011 | | <0.005 | | 0.0017 (J) | |
| 9/24/2020 | | <0.005 | | | | |
| 9/25/2020 | | | | 0.019 | 0.0033 (J) | |
| 9/28/2020 | 0.029 | | 0.0021 (J) | | | |
| 3/3/2021 | 0.013 | | | | | |
| 3/4/2021 | | 0.0017 (J) | | 0.024 | | |
| 3/5/2021 | | | | | 0.0033 (J) | |
| 9/13/2021 | 0.011 | | | | 0.0021 (J) | |
| 9/14/2021 | | <0.005 | <0.005 | | | |
| 9/15/2021 | | | | | | 0.0067 |
| 9/16/2021 | | | | 0.025 | | |
| 1/20/2022 | | <0.005 | | | | |
| 1/21/2022 | | | | 0.027 | | |
| 1/25/2022 | | | 0.002 (J) | | | |
| 1/26/2022 | | | | | | 0.0039 (J) |
| 1/27/2022 | 0.0066 | | | | <0.005 | |
| 9/12/2022 | | | | | | 0.012 |
| 9/13/2022 | | <0.005 | | 0.024 | | |
| 9/16/2022 | 0.01 | | <0.005 | | 0.002 (J) | |
| 1/31/2023 | | | | | | 0.0086 |
| 2/3/2023 | | | | 0.021 | | |
| 2/6/2023 | | <0.005 | | | | |
| 2/7/2023 | 0.01 | | 0.0025 (J) | | 0.0024 (J) | |
| 9/6/2023 | | | | | | 0.0049 (J) |
| 9/8/2023 | 0.0087 | | | | | |
| 9/11/2023 | | | 0.0018 (J) | | | |
| 9/12/2023 | | <0.005 | | 0.02 | 0.0027 (J) | |
| Mean | 0.01241 | 0.00467 | 0.003333 | 0.02036 | 0.0025 | 0.00722 |
| Std. Dev. | 0.006956 | 0.001044 | 0.001599 | 0.005821 | 0.0005831 | 0.003218 |
| Upper Lim. | 0.029 | 0.005 | 0.005 | 0.02598 | 0.003118 | 0.01261 |
| Lower Lim. | 0.0066 | 0.005 | 0.0016 | 0.01474 | 0.001882 | 0.001827 |

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

| | B-93 | B-97 | B-98 | DGWC-10 | DGWC-12 | DGWC-13 |
|------------|------------|------------|------------|------------|------------|------------|
| 8/31/2016 | | | | 0.0366 | | |
| 9/1/2016 | | | | | 0.0017 (J) | |
| 9/6/2016 | | | | | | 0.0011 (J) |
| 12/6/2016 | | | | 0.0026 (J) | | |
| 12/7/2016 | | | | | <0.005 | 0.0015 (J) |
| 3/29/2017 | | | | 0.0286 | 0.0017 (J) | |
| 3/30/2017 | | | | | | 0.0015 (J) |
| 7/12/2017 | | | | 0.0257 | 0.0019 (J) | <0.01 |
| 10/24/2017 | | | | 0.0281 | | |
| 10/25/2017 | | | | | 0.0024 (J) | |
| 11/15/2017 | | | | | | 0.0019 (J) |
| 2/27/2018 | | | | 0.0667 | <0.005 | |
| 2/28/2018 | | | | | | <0.01 |
| 7/11/2018 | | | | | <0.005 | |
| 11/6/2018 | | | | 0.049 | | |
| 11/7/2018 | | | | | <0.01 (J) | <0.01 (J) |
| 8/27/2019 | | | | 0.015 | <0.005 | |
| 8/28/2019 | | | | | | 0.0039 (J) |
| 9/17/2019 | | | | | 0.0014 (J) | |
| 10/15/2019 | | | | 0.071 | 0.0019 (J) | |
| 10/16/2019 | | | | | | 0.0031 (J) |
| 3/2/2020 | | | | | <0.005 | |
| 3/3/2020 | | | | 0.021 | | 0.0062 (J) |
| 8/11/2020 | | | | 0.023 | 0.0019 (J) | |
| 8/12/2020 | | | | | | 0.0038 (J) |
| 8/19/2020 | 0.018 | | | | | |
| 9/22/2020 | | | | | <0.005 | |
| 9/23/2020 | | | | | | 0.0053 (J) |
| 9/24/2020 | | | | 0.074 | | |
| 9/28/2020 | 0.036 | | | | | |
| 3/2/2021 | | | | | | 0.006 |
| 3/3/2021 | | | | | <0.005 | |
| 3/4/2021 | | | | 0.05 | | |
| 3/9/2021 | 0.0099 (J) | | | | | |
| 9/9/2021 | | | | | <0.005 | 0.006 |
| 9/10/2021 | | | | 0.034 | | |
| 9/15/2021 | 0.0076 | 0.0024 (J) | 0.0033 (J) | | | |
| 1/25/2022 | | | | | <0.005 | 0.006 |
| 1/26/2022 | 0.0063 | 0.0015 (J) | <0.005 | 0.015 | | |
| 9/12/2022 | 0.013 | | | | | |
| 9/13/2022 | | 0.0032 (J) | <0.005 | | | |
| 9/15/2022 | | | | 0.02 | <0.005 | 0.004 (J) |
| 1/31/2023 | 0.013 | | <0.005 | | | |
| 2/1/2023 | | 0.0036 (J) | | | | 0.0036 (J) |
| 2/2/2023 | | | | 0.015 | | |
| 2/6/2023 | | | | | <0.005 | |
| 9/6/2023 | 0.0071 | 0.0031 (J) | <0.005 | | | |
| 9/8/2023 | | | | | | 0.0029 (J) |
| 9/11/2023 | | | | 0.038 | <0.005 | |
| Mean | 0.01386 | 0.00276 | 0.00466 | 0.03407 | 0.004145 | 0.004822 |
| Std. Dev. | 0.009758 | 0.0008264 | 0.0007603 | 0.02062 | 0.002061 | 0.002889 |
| Upper Lim. | 0.02241 | 0.004145 | 0.005 | 0.04655 | 0.005 | 0.00421 |

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-93 | B-97 | B-98 | DGWC-10 | DGWC-12 | DGWC-13 |
|------------|----------|----------|--------|---------|---------|----------|
| Lower Lim. | 0.005907 | 0.001375 | 0.0033 | 0.0216 | 0.0019 | 0.002216 |

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 | DGWC-2 | DGWC-20 |
|------------|------------|------------|------------|------------|------------|------------|
| 8/31/2016 | 0.0016 (J) | | | | | |
| 9/1/2016 | | | | 0.0093 (J) | | |
| 9/2/2016 | | | | | | 0.0671 |
| 9/6/2016 | | <0.005 | | | | |
| 9/7/2016 | | | 0.007 (J) | | | |
| 12/6/2016 | <0.005 | | | | | |
| 12/7/2016 | | <0.005 | | <0.01 | | 0.0056 (J) |
| 12/8/2016 | | | 0.0087 (J) | | | |
| 3/29/2017 | <0.005 | | | 0.0071 (J) | | 0.0521 |
| 3/30/2017 | | <0.005 | 0.0099 (J) | | <0.005 | |
| 5/11/2017 | | | | | <0.005 | |
| 6/15/2017 | | | | | <0.005 | |
| 7/11/2017 | | | | | <0.005 | |
| 7/12/2017 | <0.005 | <0.005 | 0.0072 (J) | 0.0065 (J) | | 0.0483 |
| 10/24/2017 | | | | | <0.005 | |
| 10/25/2017 | <0.005 | <0.005 | 0.0078 (J) | 0.0087 (J) | | 0.0506 |
| 2/27/2018 | <0.005 | | | | <0.005 | |
| 2/28/2018 | | <0.005 | <0.01 | 0.0114 | | 0.0755 |
| 7/11/2018 | 0.002 (J) | <0.005 | 0.007 (J) | 0.0036 (J) | 0.0045 (J) | 0.022 |
| 11/6/2018 | | | | | <0.01 (J) | |
| 11/7/2018 | <0.01 (J) | <0.01 (J) | <0.01 | <0.01 (J) | | 0.044 |
| 8/27/2019 | <0.005 | | 0.0073 (J) | | 0.0069 (J) | |
| 8/28/2019 | | <0.005 | | 0.004 (J) | | |
| 8/29/2019 | | | | | | 0.029 |
| 10/16/2019 | 0.0017 (J) | | | 0.006 (J) | | |
| 10/17/2019 | | <0.005 | | | 0.0051 (J) | 0.071 |
| 10/18/2019 | | | 0.0093 (J) | | | |
| 3/3/2020 | 0.0014 (J) | <0.005 | | 0.0066 (J) | 0.0047 (J) | |
| 3/4/2020 | | | 0.0074 (J) | | | 0.071 |
| 8/11/2020 | <0.005 | | | 0.0096 (J) | 0.0053 (J) | |
| 8/13/2020 | | 0.0018 (J) | | | | 0.091 |
| 8/14/2020 | | | 0.0084 (J) | | | |
| 9/22/2020 | <0.005 | | | 0.0052 (J) | | 0.023 |
| 9/23/2020 | | <0.005 | | | 0.0046 (J) | |
| 9/24/2020 | | | 0.015 | | | |
| 3/2/2021 | <0.005 | <0.005 | | 0.0091 | 0.0037 (J) | 0.078 |
| 3/3/2021 | | | 0.0072 | | | |
| 9/9/2021 | 0.0017 (J) | <0.005 | | 0.0083 | 0.0031 (J) | |
| 9/10/2021 | | | | | | 0.031 |
| 9/13/2021 | | | 0.0071 | | | |
| 1/20/2022 | | | | | 0.0031 (J) | |
| 1/21/2022 | | | | | | 0.041 |
| 1/24/2022 | | <0.005 | 0.0064 | | | |
| 1/25/2022 | 0.0016 (J) | | | 0.0029 (J) | | |
| 9/13/2022 | <0.005 | <0.005 | | | | |
| 9/14/2022 | | | 0.0064 | 0.0073 | | |
| 9/15/2022 | | | | | | 0.062 |
| 9/20/2022 | | | | | 0.0018 (J) | |
| 2/1/2023 | 0.0014 (J) | | | | | |
| 2/2/2023 | | <0.005 | | | | |
| 2/6/2023 | | | 0.0057 | 0.0042 (J) | 0.0014 (J) | |
| 2/7/2023 | | | | | | 0.057 |

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-14 | DGWC-15 | DGWC-17 | DGWC-19 | DGWC-2 | DGWC-20 |
|------------|------------|----------|----------|------------|----------|---------|
| 9/8/2023 | 0.0015 (J) | <0.005 | | 0.0045 (J) | | |
| 9/11/2023 | | | | | | 0.14 |
| 9/13/2023 | | | 0.0065 | | <0.005 | |
| Mean | 0.003837 | 0.005095 | 0.007595 | 0.006542 | 0.004695 | 0.05575 |
| Std. Dev. | 0.002253 | 0.001396 | 0.002204 | 0.002364 | 0.001819 | 0.03015 |
| Upper Lim. | 0.005 | 0.01 | 0.008513 | 0.007927 | 0.0051 | 0.0734 |
| Lower Lim. | 0.0016 | 0.0018 | 0.006353 | 0.005158 | 0.0037 | 0.03809 |

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-22 | DGWC-4 | DGWC-47 | DGWC-48 | DGWC-5 | DGWC-8 |
|------------|------------|------------|------------|------------|------------|------------|
| 8/30/2016 | | | | | | 0.0032 (J) |
| 8/31/2016 | | | | | 0.0182 | |
| 9/1/2016 | | | 0.0217 | 0.0084 (J) | | |
| 9/2/2016 | <0.005 | | | | | |
| 12/6/2016 | | | | | 0.012 | <0.005 |
| 12/8/2016 | <0.005 | | 0.017 | 0.0084 (J) | | |
| 3/28/2017 | | <0.005 | | | 0.168 | |
| 3/29/2017 | <0.005 | | | | | 0.0048 (J) |
| 3/30/2017 | | | | 0.0079 (J) | | |
| 3/31/2017 | | | 0.0133 | | | |
| 5/12/2017 | | <0.005 | | | | |
| 6/15/2017 | | <0.005 | | | | |
| 7/11/2017 | | <0.005 | | | 0.0607 | 0.0031 (J) |
| 7/13/2017 | <0.005 | | 0.0068 (J) | 0.0062 (J) | | |
| 10/24/2017 | | <0.005 | | | | 0.0069 (J) |
| 10/25/2017 | <0.005 | | | | 0.034 | |
| 10/26/2017 | | | 0.0097 (J) | 0.0058 (J) | | |
| 2/27/2018 | | <0.005 | | | 0.0348 | <0.005 |
| 2/28/2018 | <0.005 | | | | | |
| 3/1/2018 | | | 0.0124 | | | |
| 3/2/2018 | | | | <0.005 | | |
| 7/12/2018 | 0.0017 (J) | | 0.015 | 0.013 | | |
| 11/6/2018 | | <0.005 | | | <0.01 (J) | <0.01 (J) |
| 11/7/2018 | <0.005 | | <0.01 (J) | <0.01 (J) | | |
| 8/27/2019 | | <0.005 | | | 0.0031 (J) | |
| 8/28/2019 | | | | | | <0.005 |
| 8/29/2019 | <0.005 | | 0.004 (J) | 0.0023 (J) | | |
| 10/15/2019 | | 0.0014 (J) | | | | |
| 10/16/2019 | | | | | 0.015 | 0.0016 (J) |
| 10/17/2019 | | | 0.0062 (J) | | | |
| 10/18/2019 | <0.005 | | | 0.005 (J) | | |
| 3/2/2020 | | <0.005 | | | 0.032 | |
| 3/3/2020 | <0.005 | | | | | 0.0018 (J) |
| 3/4/2020 | | | 0.0065 (J) | 0.0061 (J) | | |
| 8/12/2020 | | <0.005 | 0.002 (J) | | 0.011 | <0.005 |
| 8/13/2020 | | | | 0.0029 (J) | | |
| 8/14/2020 | <0.005 | | | | | |
| 9/22/2020 | | <0.005 | | | 0.04 | |
| 9/23/2020 | | | <0.01 | 0.0016 (J) | | 0.0028 (J) |
| 9/24/2020 | <0.005 | | | | | |
| 3/1/2021 | | <0.005 | | | | |
| 3/2/2021 | | | | | 0.0081 | <0.005 |
| 3/3/2021 | <0.005 | | 0.0039 (J) | 0.0025 (J) | | |
| 9/10/2021 | <0.005 | <0.005 | 0.0035 (J) | 0.0022 (J) | 0.0099 | |
| 9/13/2021 | | | | | | <0.005 |
| 1/20/2022 | <0.005 | | | | | |
| 1/21/2022 | | | 0.0016 (J) | | | |
| 1/24/2022 | | <0.005 | | <0.005 | 0.0048 (J) | |
| 1/25/2022 | | | | | | <0.005 |
| 9/13/2022 | | | 0.0031 (J) | 0.0019 (J) | | |
| 9/14/2022 | | | | | 0.019 | |
| 9/15/2022 | | | | | | <0.005 |

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-22 | DGWC-4 | DGWC-47 | DGWC-48 | DGWC-5 | DGWC-8 |
|------------|-----------|-----------|------------|----------|-----------|----------|
| 9/16/2022 | <0.005 | | | | | |
| 9/19/2022 | | <0.005 | | | | |
| 2/3/2023 | | <0.005 | 0.0015 (J) | <0.005 | | |
| 2/6/2023 | <0.005 | | | | | |
| 2/7/2023 | | | | | 0.0082 | <0.005 |
| 9/11/2023 | <0.005 | | | | | |
| 9/12/2023 | | | 0.0022 (J) | | | <0.005 |
| 9/13/2023 | | <0.005 | | <0.005 | 0.002 (J) | |
| Mean | 0.004826 | 0.0048 | 0.007389 | 0.005484 | 0.02699 | 0.004678 |
| Std. Dev. | 0.0007571 | 0.0008485 | 0.005849 | 0.00304 | 0.03855 | 0.001883 |
| Upper Lim. | 0.005 | 0.005 | 0.009789 | 0.00607 | 0.03402 | 0.0069 |
| Lower Lim. | 0.0017 | 0.0014 | 0.003722 | 0.002576 | 0.007935 | 0.0031 |

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-9 |
|------------|------------|
| 8/30/2016 | 0.0833 |
| 12/6/2016 | 0.0065 (J) |
| 3/28/2017 | 0.0954 |
| 7/11/2017 | 0.0561 |
| 10/24/2017 | 0.0653 |
| 2/27/2018 | 0.13 |
| 7/11/2018 | 0.045 |
| 11/6/2018 | 0.12 |
| 8/27/2019 | 0.067 |
| 10/17/2019 | 0.19 |
| 3/3/2020 | 0.046 |
| 8/11/2020 | 0.11 |
| 9/22/2020 | 0.23 |
| 3/2/2021 | 0.07 |
| 9/10/2021 | 0.057 |
| 1/26/2022 | 0.025 |
| 9/19/2022 | 0.048 |
| 2/3/2023 | 0.031 |
| Mean | 0.08198 |
| Std. Dev. | 0.05719 |
| Upper Lim. | 0.1083 |
| Lower Lim. | 0.04482 |

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-104D | B-56 | B-66 | B-82 | B-83 | B-88 |
|------------|-------------|-------------|-------------|-------------|-------------|------------|
| 1/30/2019 | | | <0.001 | | | |
| 9/12/2019 | | | <0.001 | | | |
| 9/23/2019 | | | | 9.9E-05 (J) | | |
| 10/21/2019 | | | <0.001 | 0.00011 (J) | 7.2E-05 (J) | |
| 8/14/2020 | | | | | <0.001 | |
| 8/17/2020 | | 0.00016 (J) | | <0.001 | | <0.001 |
| 9/25/2020 | | | | | <0.001 | <0.001 |
| 9/28/2020 | | 0.00023 (J) | | <0.001 | | |
| 12/9/2020 | <0.001 | | | | | |
| 1/12/2021 | <0.001 | | | | | |
| 3/3/2021 | | 0.00026 (J) | | | | |
| 3/4/2021 | <0.001 | | | | <0.001 | |
| 3/5/2021 | | | | | | 0.0002 (J) |
| 9/13/2021 | | 0.00024 (J) | | | | <0.001 |
| 9/14/2021 | <0.001 | | <0.001 | <0.001 | | |
| 9/16/2021 | | | | | <0.001 | |
| 1/21/2022 | | | | | <0.001 | |
| 1/24/2022 | <0.001 | | | | | |
| 1/25/2022 | | | <0.001 | <0.001 | | |
| 1/27/2022 | | 0.00032 (J) | | | | <0.001 |
| 9/13/2022 | <0.001 | | | | <0.001 | |
| 9/16/2022 | | 0.00024 (J) | <0.001 | <0.001 | | <0.001 |
| 2/3/2023 | <0.001 | | | | <0.001 | |
| 2/7/2023 | | 0.00028 (J) | <0.001 | <0.001 | | <0.001 |
| 9/8/2023 | | 0.00021 (J) | | | | |
| 9/11/2023 | | | 0.00021 (J) | <0.001 | | |
| 9/12/2023 | | | | | <0.001 | <0.001 |
| 9/13/2023 | 0.00028 (J) | | | | | |
| Mean | 0.00091 | 0.0002425 | 0.0009013 | 0.000801 | 0.0008969 | 0.0009 |
| Std. Dev. | 0.0002546 | 4.743E-05 | 0.0002793 | 0.0003949 | 0.0003093 | 0.0002828 |
| Upper Lim. | 0.001 | 0.0002928 | 0.001 | 0.001 | 0.001 | 0.001 |
| Lower Lim. | 0.00028 | 0.0001922 | 0.00021 | 9.9E-05 | 7.2E-05 | 0.0002 |

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | B-92 | DGWC-10 | DGWC-12 | DGWC-14 | DGWC-17 | DGWC-19 |
|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 8/31/2016 | | 0.0004 (J) | | <0.001 | | |
| 9/1/2016 | | | <0.001 | | | 0.0005 (J) |
| 9/7/2016 | | | | | <0.001 | |
| 12/6/2016 | | 0.0004 (J) | | <0.001 | | |
| 12/7/2016 | | | <0.001 | | | 0.0005 (J) |
| 12/8/2016 | | | | | <0.001 | |
| 3/29/2017 | | 0.0006 (J) | 8E-05 (J) | <0.001 | | 0.0004 (J) |
| 3/30/2017 | | | | | 0.0002 (J) | |
| 7/12/2017 | | 0.0005 (J) | 9E-05 (J) | <0.001 | 0.0002 (J) | 0.0005 (J) |
| 10/24/2017 | | 0.0004 (J) | | | | |
| 10/25/2017 | | | 9E-05 (J) | <0.001 | 0.0002 (J) | 0.0004 (J) |
| 2/27/2018 | | <0.01 | <0.001 | <0.001 | | |
| 2/28/2018 | | | | | 0.00015 (J) | 0.00049 (J) |
| 7/11/2018 | | | <0.001 | <0.001 | 0.00017 (J) | 0.0005 (J) |
| 11/6/2018 | | <0.001 (J) | | | | |
| 11/7/2018 | | | <0.001 | <0.001 | <0.001 | <0.001 (J) |
| 8/27/2019 | | 0.00036 (J) | 8.9E-05 (J) | <0.001 | 0.00018 (J) | |
| 8/28/2019 | | | | | | 0.00053 (J) |
| 9/17/2019 | | | 9.7E-05 (J) | | | |
| 10/15/2019 | | 0.00039 (J) | 9.1E-05 (J) | | | |
| 10/16/2019 | | | | <0.001 | | 0.00053 (J) |
| 10/18/2019 | | | | | 0.00014 (J) | |
| 3/2/2020 | | | 0.00013 (J) | | | |
| 3/3/2020 | | 0.00042 (J) | | <0.001 | | 0.0006 (J) |
| 3/4/2020 | | | | | 0.00019 (J) | |
| 8/11/2020 | | 0.00037 (J) | <0.001 | <0.001 | | 0.00059 (J) |
| 8/14/2020 | | | | | 0.00019 (J) | |
| 9/22/2020 | | | <0.001 | <0.001 | | 0.0005 (J) |
| 9/24/2020 | | 0.00034 (J) | | | 0.00018 (J) | |
| 3/2/2021 | | | | <0.001 | | 0.00056 (J) |
| 3/3/2021 | | | <0.001 | | 0.00017 (J) | |
| 3/4/2021 | | 0.00042 (J) | | | | |
| 9/9/2021 | | | <0.001 | <0.001 | | 0.00056 (J) |
| 9/10/2021 | | 0.00027 (J) | | | | |
| 9/13/2021 | | | | | <0.001 | |
| 9/15/2021 | <0.001 | | | | | |
| 1/24/2022 | | | | | <0.001 | |
| 1/25/2022 | | | <0.001 | <0.001 | | 0.00057 (J) |
| 1/26/2022 | <0.001 | 0.00033 (J) | | | | |
| 9/12/2022 | 0.0002 (J) | | | | | |
| 9/13/2022 | | | | <0.001 | | |
| 9/14/2022 | | | | | <0.001 | 0.00056 (J) |
| 9/15/2022 | | <0.01 | <0.001 | | | |
| 1/31/2023 | 0.00021 (J) | | | | | |
| 2/1/2023 | | | | <0.001 | | |
| 2/2/2023 | | <0.01 | | | | |
| 2/6/2023 | | | <0.001 | | <0.001 | 0.00059 (J) |
| 9/6/2023 | <0.001 | | | | | |
| 9/8/2023 | | | | 0.00056 (J) | | 0.0005 (J) |
| 9/11/2023 | | <0.01 | 0.00021 (J) | | | |
| 9/13/2023 | | | | | <0.001 | |
| Mean | 0.000682 | 0.002567 | 0.0006439 | 0.0009768 | 0.0005247 | 0.00052 |

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-92 | DGWC-10 | DGWC-12 | DGWC-14 | DGWC-17 | DGWC-19 |
|------------|-----------|----------|-----------|-----------|-----------|-----------|
| Std. Dev. | 0.0004355 | 0.004091 | 0.0004483 | 0.0001009 | 0.0004167 | 5.588E-05 |
| Upper Lim. | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.0005534 |
| Lower Lim. | 0.0002 | 0.00036 | 9.1E-05 | 0.00056 | 0.00017 | 0.0004903 |

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-20 | DGWC-22 | DGWC-4 | DGWC-42 | DGWC-47 | DGWC-48 |
|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 9/1/2016 | | | | | 0.0002 (J) | <0.001 |
| 9/2/2016 | <0.1 | <0.001 | | | | |
| 9/7/2016 | | | | <0.001 | | |
| 12/7/2016 | 0.0006 (J) | | | | | |
| 12/8/2016 | | <0.001 | | <0.001 | <0.001 | <0.001 |
| 3/28/2017 | | | <0.001 | | | |
| 3/29/2017 | 0.0006 (J) | 6E-05 (J) | | | | |
| 3/30/2017 | | | | | | 9E-05 (J) |
| 3/31/2017 | | | | 9E-05 (J) | 0.0002 (J) | |
| 5/12/2017 | | | <0.001 | | | |
| 6/15/2017 | | | <0.001 | | | |
| 7/11/2017 | | | <0.001 | | | |
| 7/12/2017 | 0.0006 (J) | | | | | |
| 7/13/2017 | | 7E-05 (J) | | 9E-05 (J) | 0.0002 (J) | 8E-05 (J) |
| 10/24/2017 | | | <0.001 | | | |
| 10/25/2017 | 0.0005 (J) | 7E-05 (J) | | 9E-05 (J) | | |
| 10/26/2017 | | | | | 0.0003 (J) | 9E-05 (J) |
| 2/27/2018 | | | <0.001 | | | |
| 2/28/2018 | <0.1 | <0.001 | | <0.001 | | |
| 3/1/2018 | | | | | 0.00032 (J) | |
| 3/2/2018 | | | | | | <0.001 |
| 7/11/2018 | <0.1 | | | <0.001 | | |
| 7/12/2018 | | <0.001 | | | 0.00031 (J) | <0.001 |
| 11/6/2018 | | | <0.001 | | | |
| 11/7/2018 | <0.001 (J) | <0.001 | | <0.001 | <0.001 (J) | <0.001 |
| 8/27/2019 | | | <0.001 | | | |
| 8/28/2019 | | | | 6.9E-05 (J) | | |
| 8/29/2019 | 0.00084 (J) | 6.4E-05 (J) | | | 0.00025 (J) | 7.8E-05 (J) |
| 10/15/2019 | | | 7.3E-05 (J) | | | |
| 10/17/2019 | 0.00062 (J) | | | <0.001 | 0.00025 (J) | |
| 10/18/2019 | | <0.001 | | | | <0.001 |
| 3/2/2020 | | | <0.001 | | | |
| 3/3/2020 | | 7E-05 (J) | | | | |
| 3/4/2020 | 0.0023 (J) | | | <0.001 | 0.00021 (J) | 6.8E-05 (J) |
| 8/12/2020 | | | <0.001 | | 0.00018 (J) | |
| 8/13/2020 | 0.0016 (J) | | | <0.001 | | <0.001 |
| 8/14/2020 | | <0.001 | | | | |
| 9/22/2020 | 0.00055 (J) | | <0.001 | <0.001 | | |
| 9/23/2020 | | | | | 0.00026 (J) | <0.001 |
| 9/24/2020 | | <0.001 | | | | |
| 3/1/2021 | | | <0.001 | | | |
| 3/2/2021 | 0.0014 (J) | | | | | |
| 3/3/2021 | | <0.001 | | <0.001 | 0.00023 (J) | <0.001 |
| 9/10/2021 | 0.00052 (J) | <0.001 | <0.001 | | 0.00036 (J) | <0.001 |
| 9/13/2021 | | | | <0.001 | | |
| 1/20/2022 | | <0.001 | | <0.001 | | |
| 1/21/2022 | <0.1 | | | | 0.00028 (J) | |
| 1/24/2022 | | | <0.001 | | | <0.001 |
| 9/13/2022 | | | | <0.001 | 0.00021 (J) | <0.001 |
| 9/15/2022 | 0.001 (J) | | | | | |
| 9/16/2022 | | <0.001 | | | | |
| 9/19/2022 | | | <0.001 | | | |

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-20 | DGWC-22 | DGWC-4 | DGWC-42 | DGWC-47 | DGWC-48 |
|------------|------------|-----------|-----------|-------------|-------------|-----------|
| 2/1/2023 | | | | 0.00028 (J) | | |
| 2/3/2023 | | | <0.001 | | 0.00022 (J) | <0.001 |
| 2/6/2023 | | <0.001 | | | | |
| 2/7/2023 | 0.0018 (J) | | | | | |
| 9/11/2023 | <0.1 | <0.001 | | | | |
| 9/12/2023 | | | | | 0.00019 (J) | |
| 9/13/2023 | | | <0.001 | <0.001 | | <0.001 |
| Mean | 0.02705 | 0.0007544 | 0.0009485 | 0.0007694 | 0.0002721 | 0.0007582 |
| Std. Dev. | 0.04479 | 0.0004222 | 0.0002185 | 0.0003986 | 9.437E-05 | 0.0004157 |
| Upper Lim. | 0.1 | 0.001 | 0.001 | 0.001 | 0.00032 | 0.001 |
| Lower Lim. | 0.0006 | 7E-05 | 7.3E-05 | 0.00028 | 0.0002 | 9E-05 |

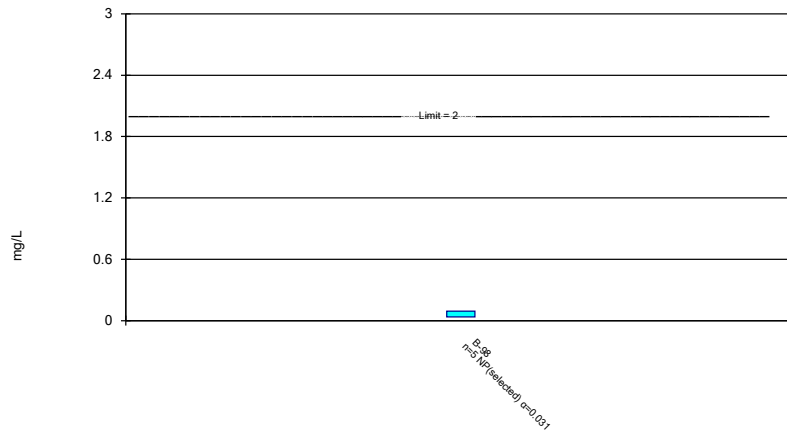
Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

| | DGWC-5 | DGWC-8 | DGWC-9 |
|------------|-------------|-------------|-------------|
| 8/30/2016 | | <0.001 | <0.005 |
| 8/31/2016 | <0.001 | | |
| 12/6/2016 | <0.001 | <0.001 | 0.0006 (J) |
| 3/28/2017 | 0.0002 (J) | | 0.0007 (J) |
| 3/29/2017 | | 0.0002 (J) | |
| 7/11/2017 | <0.001 | 0.0001 (J) | 0.0007 (J) |
| 10/24/2017 | | 0.0003 (J) | 0.0006 (J) |
| 10/25/2017 | <0.001 | | |
| 2/27/2018 | <0.001 | 0.00033 (J) | 0.00038 (J) |
| 7/11/2018 | | | <0.005 |
| 11/6/2018 | <0.001 | <0.001 (J) | <0.005 |
| 8/27/2019 | <0.001 | | 0.00053 (J) |
| 8/28/2019 | | 0.00022 (J) | |
| 10/16/2019 | 7.8E-05 (J) | 0.00025 (J) | |
| 10/17/2019 | | | 0.00076 (J) |
| 3/2/2020 | 6.2E-05 (J) | | |
| 3/3/2020 | | 0.00023 (J) | 0.00044 (J) |
| 8/11/2020 | | | <0.005 |
| 8/12/2020 | <0.001 | 0.00023 (J) | |
| 9/22/2020 | <0.001 | | 0.00043 (J) |
| 9/23/2020 | | 0.0002 (J) | |
| 3/2/2021 | <0.001 | 0.00019 (J) | <0.005 |
| 9/10/2021 | <0.001 | | 0.0004 (J) |
| 9/13/2021 | | 0.00019 (J) | |
| 1/24/2022 | <0.001 | | |
| 1/25/2022 | | 0.00019 (J) | |
| 1/26/2022 | | | <0.005 |
| 9/14/2022 | <0.001 | | |
| 9/15/2022 | | <0.001 | |
| 9/19/2022 | | | <0.005 |
| 2/3/2023 | | | <0.005 |
| 2/7/2023 | <0.001 | <0.001 | |
| 9/12/2023 | | <0.001 | |
| 9/13/2023 | <0.001 | | |
| Mean | 0.0008522 | 0.0004794 | 0.00253 |
| Std. Dev. | 0.000341 | 0.0003817 | 0.002276 |
| Upper Lim. | 0.001 | 0.001 | 0.005 |
| Lower Lim. | 0.0002 | 0.00019 | 0.00044 |

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.

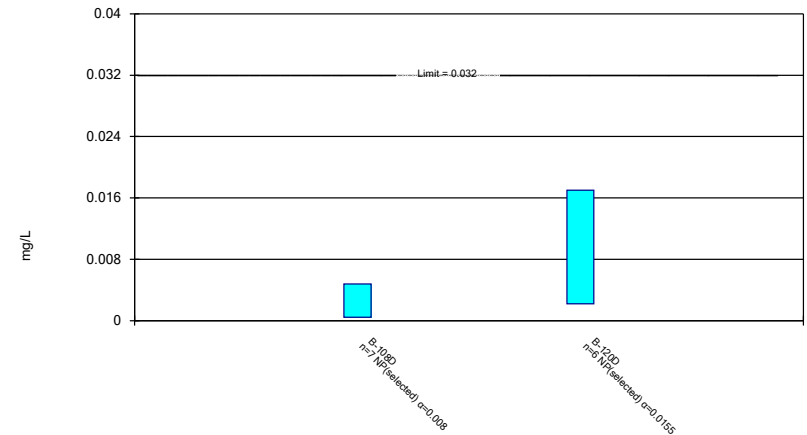


Normality testing disabled.

Constituent: Barium Analysis Run 1/16/2024 2:19 PM View: AP 234 Confidence Intervals Nonparametric Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.

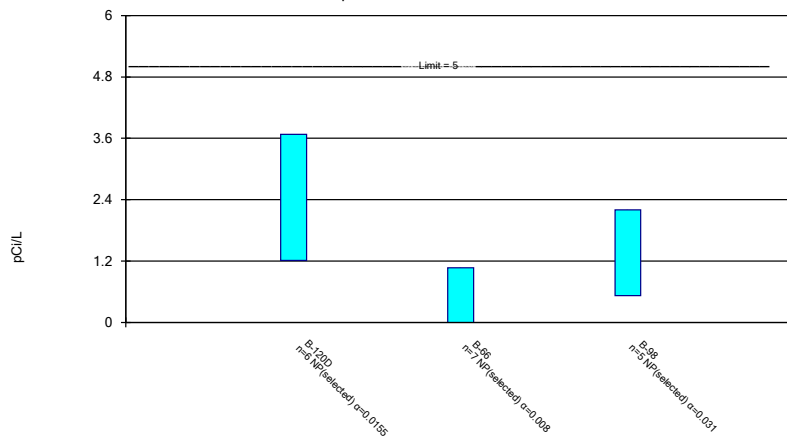


Normality testing disabled.

Constituent: Cobalt Analysis Run 1/16/2024 2:19 PM View: AP 234 Confidence Intervals Nonparametric Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.

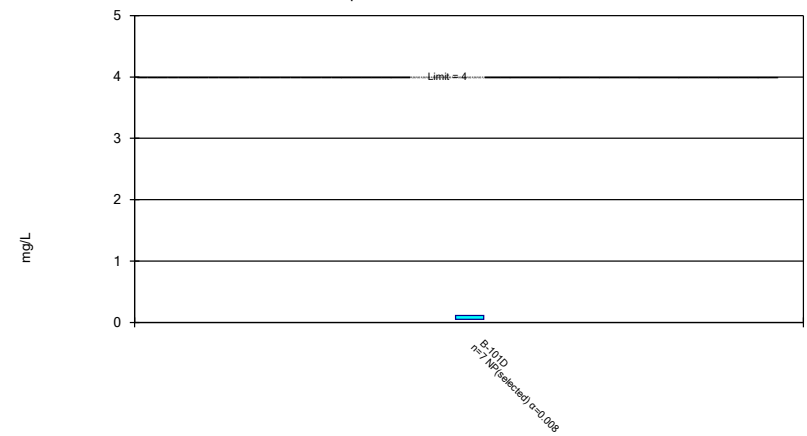


Normality testing disabled.

Constituent: Combined Radium 226 + 228 Analysis Run 1/16/2024 2:19 PM View: AP 234 Confidence Inte Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.



Normality testing disabled.

Constituent: Fluoride Analysis Run 1/16/2024 2:19 PM View: AP 234 Confidence Intervals Nonparametric Plant McDonough Client: Southern Company Data: McDonough AP

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

| | |
|------------|---------|
| | B-98 |
| 9/15/2021 | 0.082 |
| 1/26/2022 | 0.035 |
| 9/13/2022 | 0.092 |
| 1/31/2023 | 0.041 |
| 9/6/2023 | 0.051 |
| Mean | 0.0602 |
| Std. Dev. | 0.02537 |
| Upper Lim. | 0.092 |
| Lower Lim. | 0.035 |

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-108D | B-120D |
|------------|-------------|------------|
| 12/9/2020 | 0.0048 (J) | |
| 3/4/2021 | 0.0017 (J) | |
| 4/15/2021 | | 0.017 |
| 9/14/2021 | 0.0017 (J) | 0.0055 |
| 1/20/2022 | | 0.0045 (J) |
| 1/24/2022 | 0.00061 (J) | |
| 9/15/2022 | 0.001 (J) | |
| 9/19/2022 | | 0.0027 (J) |
| 2/3/2023 | | 0.0025 (J) |
| 2/7/2023 | 0.001 (J) | |
| 9/12/2023 | | 0.0022 (J) |
| 9/13/2023 | 0.00045 (J) | |
| Mean | 0.001609 | 0.005733 |
| Std. Dev. | 0.001488 | 0.005668 |
| Upper Lim. | 0.0048 | 0.017 |
| Lower Lim. | 0.00045 | 0.0022 |

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-120D | B-66 | B-98 |
|------------|----------|-----------|-----------|
| 1/30/2019 | | 0.975 (U) | |
| 10/21/2019 | | 1.07 (U) | |
| 4/15/2021 | 2.31 | | |
| 9/14/2021 | 3.68 | 0.421 (U) | |
| 9/15/2021 | | | 2.2 |
| 1/20/2022 | 1.21 (U) | | |
| 1/25/2022 | | 0 (U) | |
| 1/26/2022 | | | 0.52 (U) |
| 9/13/2022 | | | 2.03 |
| 9/16/2022 | | 0.832 (U) | |
| 9/19/2022 | 2.22 | | |
| 1/31/2023 | | | 0.873 (U) |
| 2/3/2023 | 1.81 | | |
| 2/7/2023 | | 0.764 (U) | |
| 9/6/2023 | | | 1.22 |
| 9/11/2023 | | 0.736 (U) | |
| 9/12/2023 | 1.74 | | |
| Mean | 2.162 | 0.6854 | 1.369 |
| Std. Dev. | 0.8412 | 0.3655 | 0.7274 |
| Upper Lim. | 3.68 | 1.07 | 2.2 |
| Lower Lim. | 1.21 | 0 | 0.52 |

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 1/16/2024 2:23 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

| | B-101D |
|------------|-----------|
| 1/12/2021 | 0.052 (J) |
| 3/5/2021 | 0.053 (J) |
| 9/13/2021 | 0.051 (J) |
| 1/26/2022 | <0.1 |
| 9/16/2022 | 0.099 (J) |
| 2/3/2023 | 0.11 |
| 9/8/2023 | <0.1 |
| Mean | 0.08071 |
| Std. Dev. | 0.02712 |
| Upper Lim. | 0.11 |
| Lower Lim. | 0.051 |

FIGURE I.

Appendix IV Trend Tests - Significant Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 1/16/2024, 2:37 PM

| Constituent | Well | Slope | Calc. | Critical | Sig. | N | %NDs | Normality | Alpha | Method |
|-----------------------------------|---------------|------------|-------|----------|------|----|-------|-----------|-------|--------|
| Beryllium (mg/L) | DGWA-70A (bg) | -0.0004561 | -84 | -58 | Yes | 19 | 42.11 | n/a | 0.05 | NP |
| Beryllium (mg/L) | DGWC-47 | -0.0008064 | -87 | -58 | Yes | 19 | 0 | n/a | 0.05 | NP |
| Beryllium (mg/L) | DGWC-48 | -0.0003897 | -108 | -58 | Yes | 19 | 0 | n/a | 0.05 | NP |
| Beryllium (mg/L) | DGWC-5 | 0.0003568 | 54 | 53 | Yes | 18 | 0 | n/a | 0.05 | NP |
| Cobalt (mg/L) | B-56 | 0.004968 | 21 | 17 | Yes | 8 | 0 | n/a | 0.05 | NP |
| Cobalt (mg/L) | DGWA-53 (bg) | -0.003507 | -107 | -58 | Yes | 19 | 0 | n/a | 0.05 | NP |
| Cobalt (mg/L) | DGWA-71 (bg) | 0 | 55 | 53 | Yes | 18 | 72.22 | n/a | 0.05 | NP |
| Cobalt (mg/L) | DGWC-10 | -0.01964 | -91 | -53 | Yes | 18 | 0 | n/a | 0.05 | NP |
| Cobalt (mg/L) | DGWC-20 | 0.06798 | 80 | 58 | Yes | 19 | 0 | n/a | 0.05 | NP |
| Cobalt (mg/L) | DGWC-47 | -0.0361 | -121 | -58 | Yes | 19 | 0 | n/a | 0.05 | NP |
| Cobalt (mg/L) | DGWC-48 | -0.03946 | -150 | -58 | Yes | 19 | 0 | n/a | 0.05 | NP |
| Cobalt (mg/L) | DGWC-8 | -0.0136 | -115 | -53 | Yes | 18 | 0 | n/a | 0.05 | NP |
| Cobalt (mg/L) | DGWC-9 | 0.01916 | 101 | 53 | Yes | 18 | 0 | n/a | 0.05 | NP |
| Combined Radium 226 + 228 (pCi/L) | DGWA-53 (bg) | -0.4485 | -87 | -58 | Yes | 19 | 0 | n/a | 0.05 | NP |
| Lithium (mg/L) | B-120D | -0.01173 | -13 | -12 | Yes | 6 | 0 | n/a | 0.05 | NP |
| Lithium (mg/L) | DGWA-71 (bg) | -0.0000751 | -58 | -53 | Yes | 18 | 16.67 | n/a | 0.05 | NP |
| Lithium (mg/L) | DGWC-47 | -0.005638 | -117 | -58 | Yes | 19 | 0 | n/a | 0.05 | NP |
| Lithium (mg/L) | DGWC-48 | -0.005967 | -120 | -58 | Yes | 19 | 0 | n/a | 0.05 | NP |

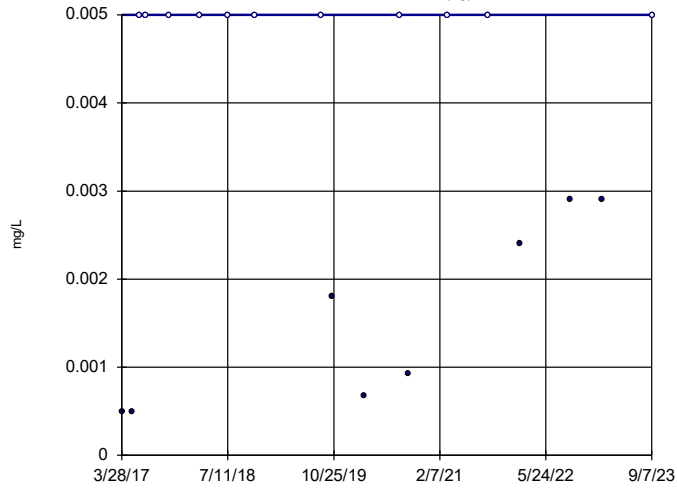
Appendix IV Trend Tests - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 1/16/2024, 2:37 PM

| Constituent | Well | Slope | Calc. | Critical | Sig. | N | %NDs | Normality | Alpha | Method |
|--|----------------------|-------------------|-------------|------------|------------|-----------|--------------|------------|-------------|-----------|
| Arsenic (mg/L) | DGWA-53 (bg) | 0 | 6 | 58 | No | 19 | 57.89 | n/a | 0.05 | NP |
| Arsenic (mg/L) | DGWA-70A (bg) | 0 | -25 | -58 | No | 19 | 84.21 | n/a | 0.05 | NP |
| Arsenic (mg/L) | DGWA-71 (bg) | 0 | 26 | 53 | No | 18 | 83.33 | n/a | 0.05 | NP |
| Arsenic (mg/L) | DGWC-9 | -0.0006814 | -17 | -53 | No | 18 | 5.556 | n/a | 0.05 | NP |
| Beryllium (mg/L) | B-92 | -0.001601 | -10 | -15 | No | 7 | 0 | n/a | 0.05 | NP |
| Beryllium (mg/L) | B-93 | 0.0004174 | 8 | 20 | No | 9 | 0 | n/a | 0.05 | NP |
| Beryllium (mg/L) | DGWA-53 (bg) | 0 | -16 | -58 | No | 19 | 94.74 | n/a | 0.05 | NP |
| Beryllium (mg/L) | DGWA-70A (bg) | -0.0004561 | -84 | -58 | Yes | 19 | 42.11 | n/a | 0.05 | NP |
| Beryllium (mg/L) | DGWA-71 (bg) | -0.00009929 | -48 | -58 | No | 19 | 26.32 | n/a | 0.05 | NP |
| Beryllium (mg/L) | DGWC-10 | 0.0002702 | 18 | 53 | No | 18 | 0 | n/a | 0.05 | NP |
| Beryllium (mg/L) | DGWC-47 | -0.0008064 | -87 | -58 | Yes | 19 | 0 | n/a | 0.05 | NP |
| Beryllium (mg/L) | DGWC-48 | -0.0003897 | -108 | -58 | Yes | 19 | 0 | n/a | 0.05 | NP |
| Beryllium (mg/L) | DGWC-5 | 0.0003568 | 54 | 53 | Yes | 18 | 0 | n/a | 0.05 | NP |
| Beryllium (mg/L) | DGWC-9 | -0.00002099 | -6 | -53 | No | 18 | 0 | n/a | 0.05 | NP |
| Cobalt (mg/L) | B-104D | 0 | -1 | -17 | No | 8 | 0 | n/a | 0.05 | NP |
| Cobalt (mg/L) | B-56 | 0.004968 | 21 | 17 | Yes | 8 | 0 | n/a | 0.05 | NP |
| Cobalt (mg/L) | B-63 | -0.001742 | -5 | -20 | No | 9 | 0 | n/a | 0.05 | NP |
| Cobalt (mg/L) | B-93 | -0.003036 | -15 | -20 | No | 9 | 0 | n/a | 0.05 | NP |
| Cobalt (mg/L) | DGWA-53 (bg) | -0.003507 | -107 | -58 | Yes | 19 | 0 | n/a | 0.05 | NP |
| Cobalt (mg/L) | DGWA-70A (bg) | 0 | 45 | 58 | No | 19 | 57.89 | n/a | 0.05 | NP |
| Cobalt (mg/L) | DGWA-71 (bg) | 0 | 55 | 53 | Yes | 18 | 72.22 | n/a | 0.05 | NP |
| Cobalt (mg/L) | DGWC-10 | -0.01964 | -91 | -53 | Yes | 18 | 0 | n/a | 0.05 | NP |
| Cobalt (mg/L) | DGWC-19 | 0 | -6 | -58 | No | 19 | 0 | n/a | 0.05 | NP |
| Cobalt (mg/L) | DGWC-20 | 0.06798 | 80 | 58 | Yes | 19 | 0 | n/a | 0.05 | NP |
| Cobalt (mg/L) | DGWC-47 | -0.0361 | -121 | -58 | Yes | 19 | 0 | n/a | 0.05 | NP |
| Cobalt (mg/L) | DGWC-48 | -0.03946 | -150 | -58 | Yes | 19 | 0 | n/a | 0.05 | NP |
| Cobalt (mg/L) | DGWC-8 | -0.0136 | -115 | -53 | Yes | 18 | 0 | n/a | 0.05 | NP |
| Cobalt (mg/L) | DGWC-9 | 0.01916 | 101 | 53 | Yes | 18 | 0 | n/a | 0.05 | NP |
| Combined Radium 226 + 228 (pCi/L) | B-104D | -1.115 | -10 | -17 | No | 8 | 0 | n/a | 0.05 | NP |
| Combined Radium 226 + 228 (pCi/L) | DGWA-53 (bg) | -0.4485 | -87 | -58 | Yes | 19 | 0 | n/a | 0.05 | NP |
| Combined Radium 226 + 228 (pCi/L) | DGWA-70A (bg) | 0.002769 | 0 | 62 | No | 20 | 0 | n/a | 0.05 | NP |
| Combined Radium 226 + 228 (pCi/L) | DGWA-71 (bg) | -0.004534 | -4 | -58 | No | 19 | 0 | n/a | 0.05 | NP |
| Lithium (mg/L) | B-120D | -0.01173 | -13 | -12 | Yes | 6 | 0 | n/a | 0.05 | NP |
| Lithium (mg/L) | DGWA-53 (bg) | -0.0001165 | -31 | -58 | No | 19 | 5.263 | n/a | 0.05 | NP |
| Lithium (mg/L) | DGWA-70A (bg) | 0 | 27 | 58 | No | 19 | 84.21 | n/a | 0.05 | NP |
| Lithium (mg/L) | DGWA-71 (bg) | -0.0000751 | -58 | -53 | Yes | 18 | 16.67 | n/a | 0.05 | NP |
| Lithium (mg/L) | DGWC-47 | -0.005638 | -117 | -58 | Yes | 19 | 0 | n/a | 0.05 | NP |
| Lithium (mg/L) | DGWC-48 | -0.005967 | -120 | -58 | Yes | 19 | 0 | n/a | 0.05 | NP |

Sen's Slope Estimator

DGWA-53 (bg)

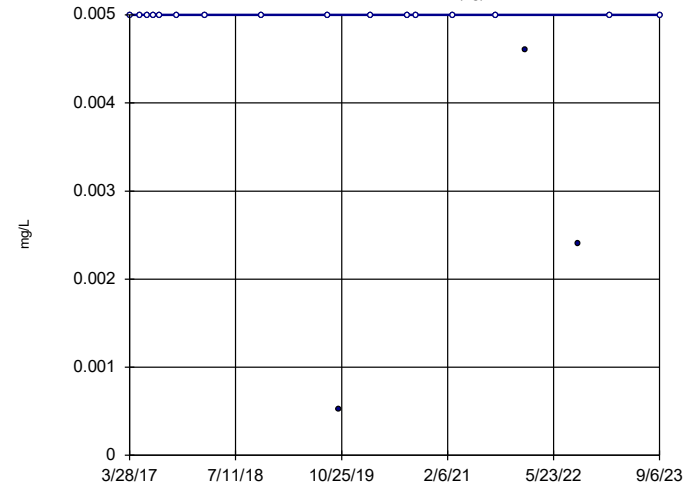


n = 19
Slope = 0
units per year.
Mann-Kendall
statistic = 6
critical = 58
Trend not sig-
nificant at 95%
confidence level
($\alpha = 0.025$ per
tail).

Constituent: Arsenic Analysis Run 1/16/2024 2:36 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWA-70A (bg)

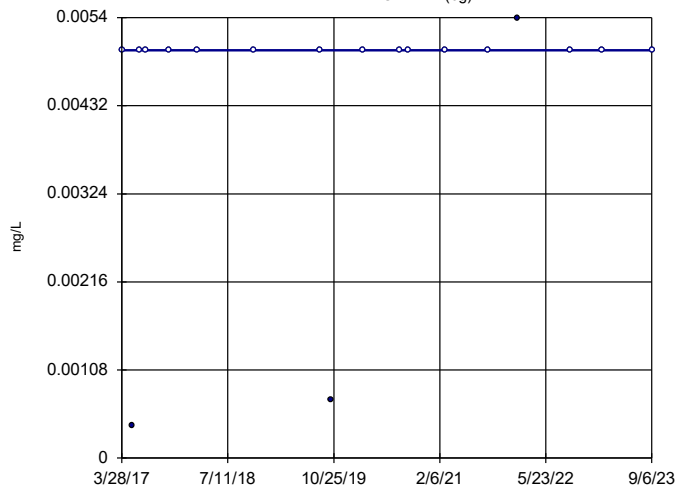


n = 19
Slope = 0
units per year.
Mann-Kendall
statistic = -.25
critical = -58
Trend not sig-
nificant at 95%
confidence level
($\alpha = 0.025$ per
tail).

Constituent: Arsenic Analysis Run 1/16/2024 2:36 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWA-71 (bg)

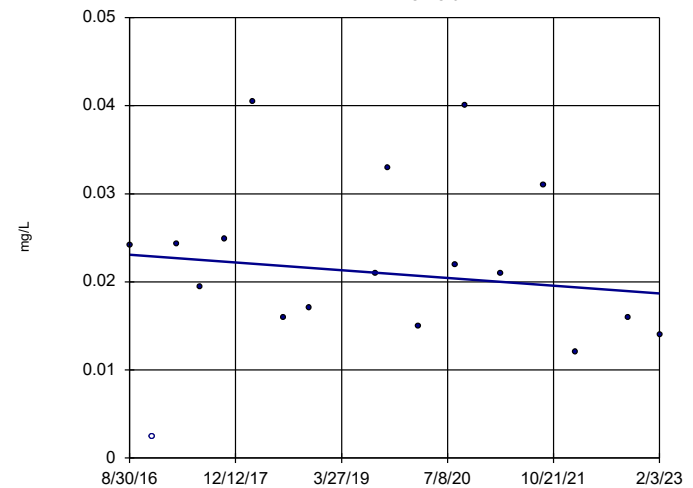


n = 18
Slope = 0
units per year.
Mann-Kendall
statistic = 26
critical = 53
Trend not sig-
nificant at 95%
confidence level
($\alpha = 0.025$ per
tail).

Constituent: Arsenic Analysis Run 1/16/2024 2:36 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWC-9

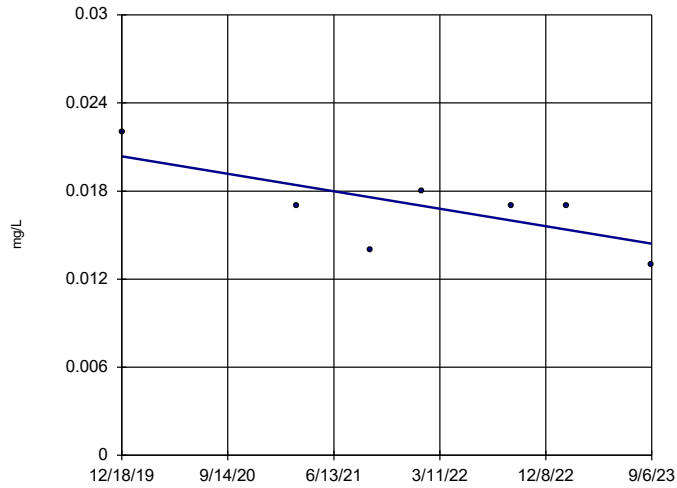


n = 18
Slope = -0.0006814
units per year.
Mann-Kendall
statistic = -17
critical = -53
Trend not sig-
nificant at 95%
confidence level
($\alpha = 0.025$ per
tail).

Constituent: Arsenic Analysis Run 1/16/2024 2:36 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

B-92

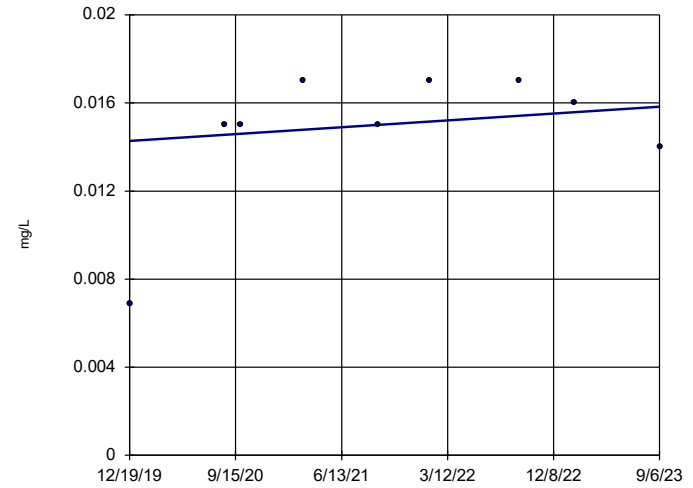


n = 7
 Slope = -0.001601 units per year.
 Mann-Kendall statistic = -10
 critical = -15
 Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Beryllium Analysis Run 1/16/2024 2:36 PM View: AP 234 Appendix IV Trend Tests
 Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

B-93

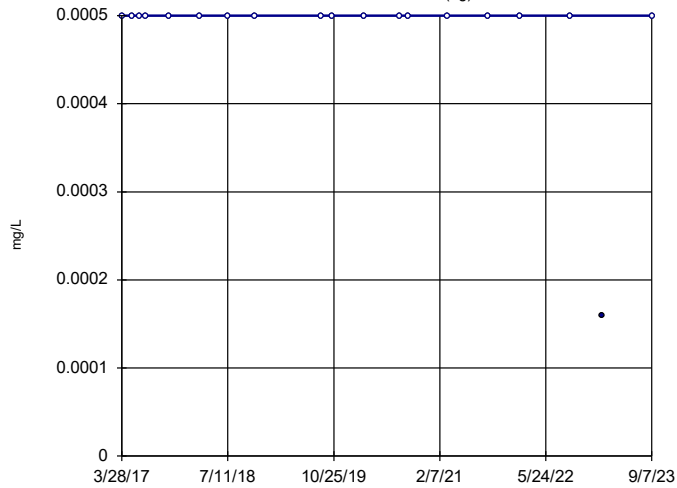


n = 9
 Slope = 0.0004174 units per year.
 Mann-Kendall statistic = 8
 critical = 20
 Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Beryllium Analysis Run 1/16/2024 2:36 PM View: AP 234 Appendix IV Trend Tests
 Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWA-53 (bg)

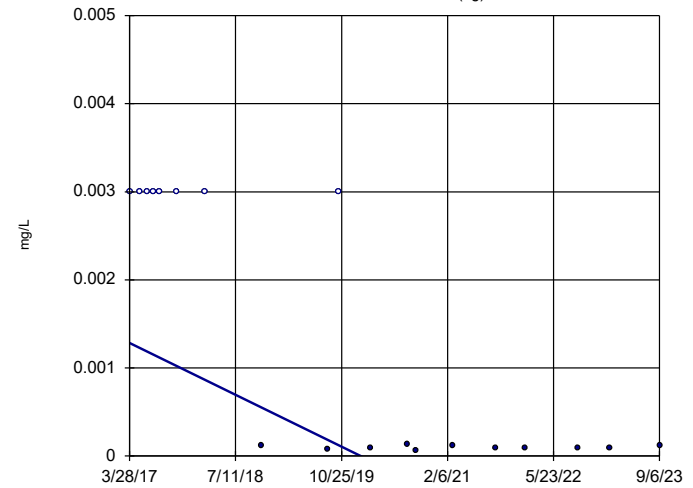


n = 19
 Slope = 0 units per year.
 Mann-Kendall statistic = -16
 critical = -58
 Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Beryllium Analysis Run 1/16/2024 2:36 PM View: AP 234 Appendix IV Trend Tests
 Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWA-70A (bg)

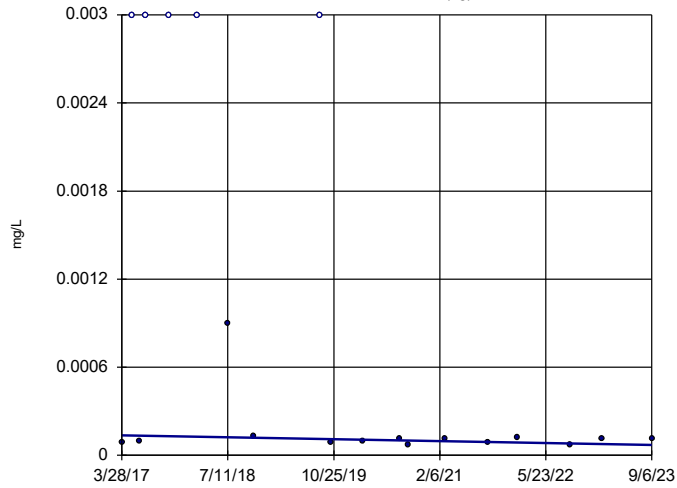


n = 19
 Slope = -0.0004561 units per year.
 Mann-Kendall statistic = -84
 critical = -58
 Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Beryllium Analysis Run 1/16/2024 2:36 PM View: AP 234 Appendix IV Trend Tests
 Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWA-71 (bg)

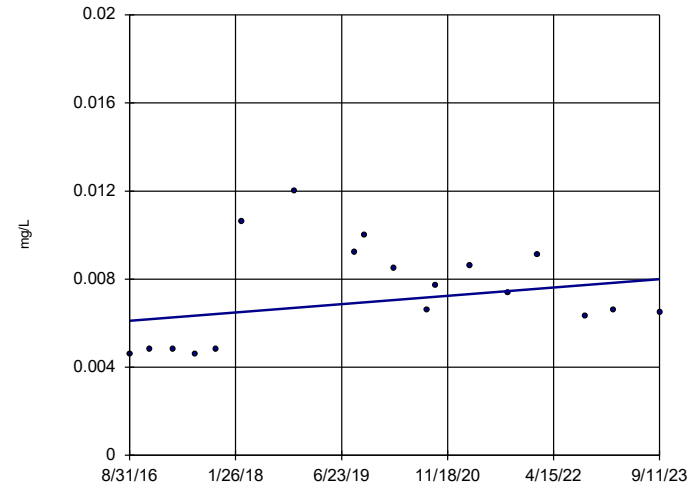


n = 19
Slope = -0.00009929
units per year.
Mann-Kendall
statistic = -48
critical = -58
Trend not sig-
nificant at 95%
confidence level
($\alpha = 0.025$ per
tail).

Constituent: Beryllium Analysis Run 1/16/2024 2:36 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWC-10

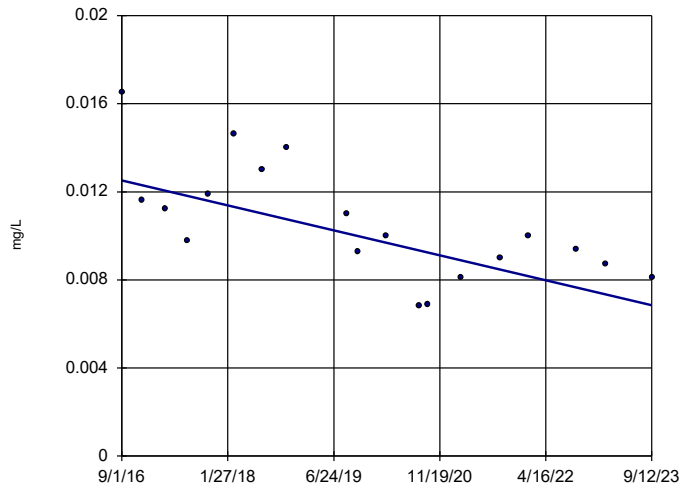


n = 18
Slope = 0.0002702
units per year.
Mann-Kendall
statistic = 18
critical = 53
Trend not sig-
nificant at 95%
confidence level
($\alpha = 0.025$ per
tail).

Constituent: Beryllium Analysis Run 1/16/2024 2:36 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWC-47

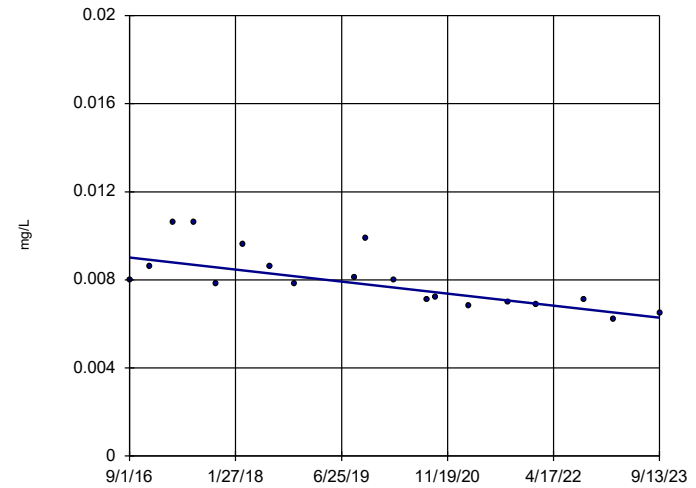


n = 19
Slope = -0.0008064
units per year.
Mann-Kendall
statistic = -87
critical = -58
Decreasing trend
significant at 95%
confidence level
($\alpha = 0.025$ per
tail).

Constituent: Beryllium Analysis Run 1/16/2024 2:36 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWC-48

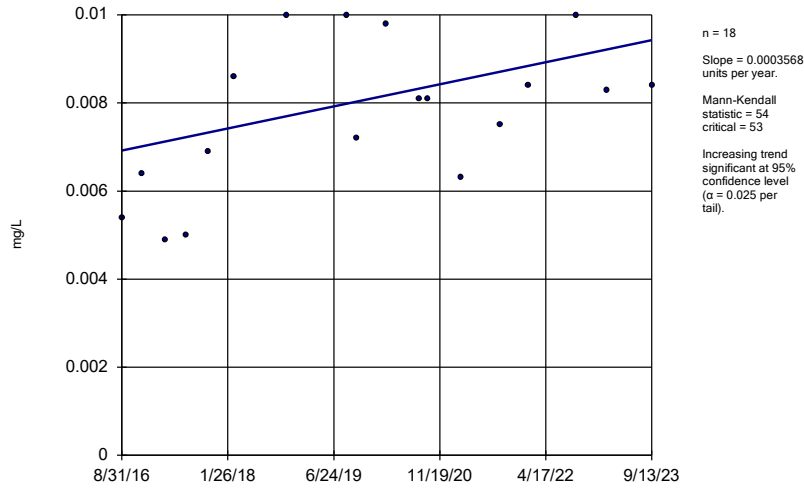


n = 19
Slope = -0.0003897
units per year.
Mann-Kendall
statistic = -108
critical = -58
Decreasing trend
significant at 95%
confidence level
($\alpha = 0.025$ per
tail).

Constituent: Beryllium Analysis Run 1/16/2024 2:36 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

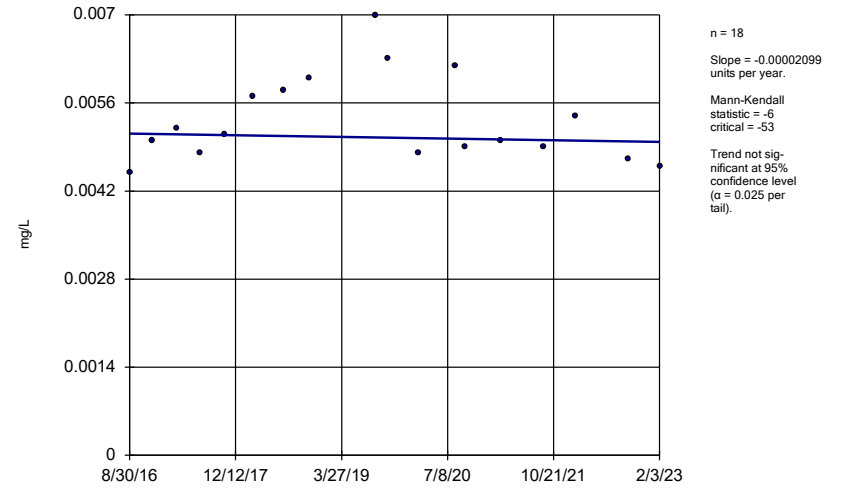
DGWC-5



Constituent: Beryllium Analysis Run 1/16/2024 2:36 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

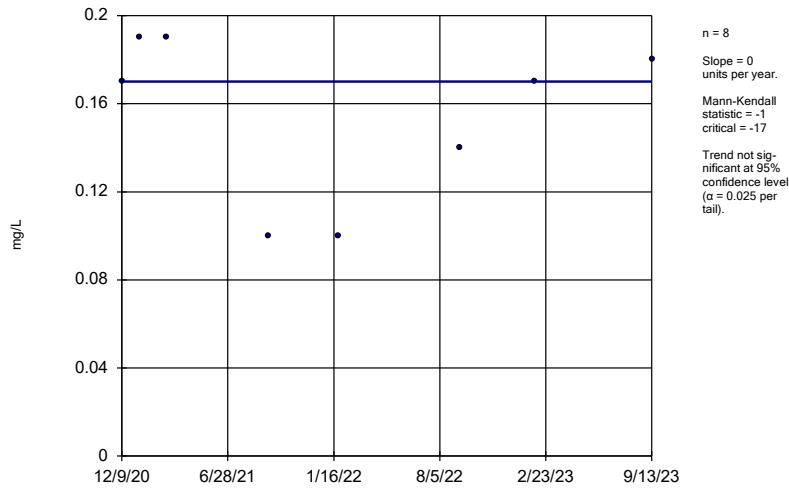
DGWC-9



Constituent: Beryllium Analysis Run 1/16/2024 2:36 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

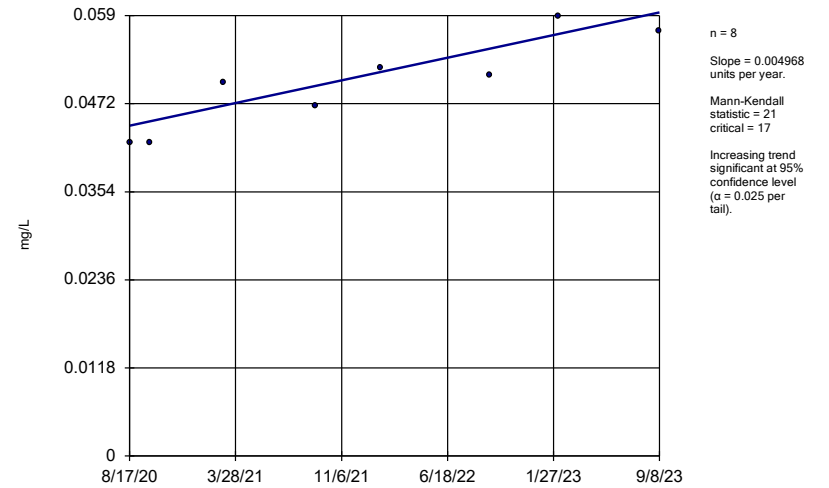
B-104D



Constituent: Cobalt Analysis Run 1/16/2024 2:36 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

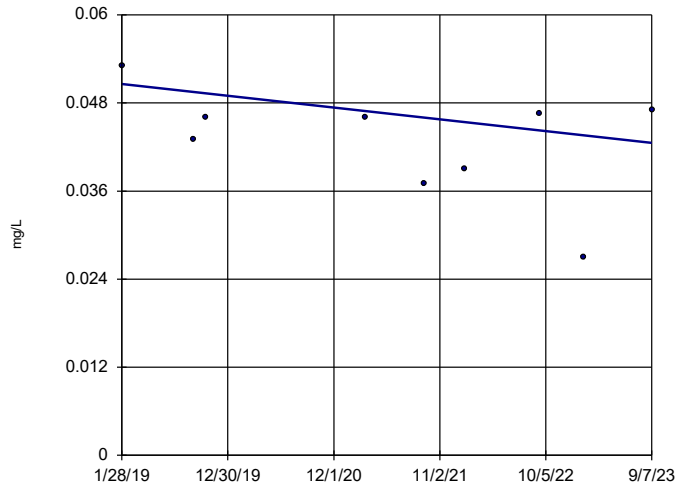
B-56



Constituent: Cobalt Analysis Run 1/16/2024 2:36 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

B-63

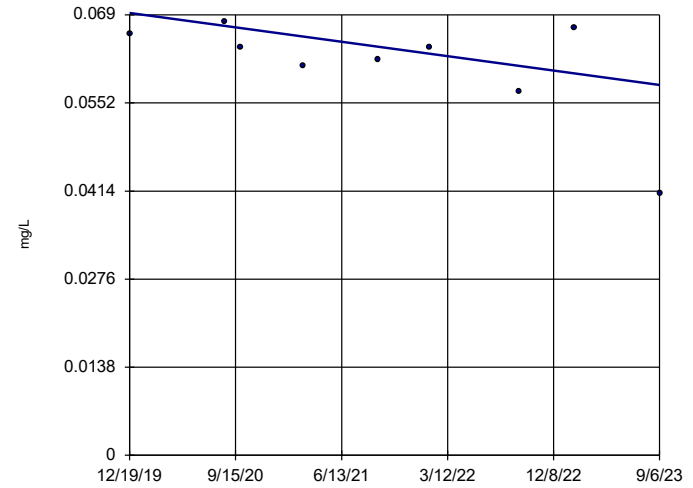


n = 9
 Slope = -0.001742
 units per year.
 Mann-Kendall
 statistic = -5
 critical = -20
 Trend not sig-
 nificant at 95%
 confidence level
 (α = 0.025 per
 tail).

Constituent: Cobalt Analysis Run 1/16/2024 2:36 PM View: AP 234 Appendix IV Trend Tests
 Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

B-93

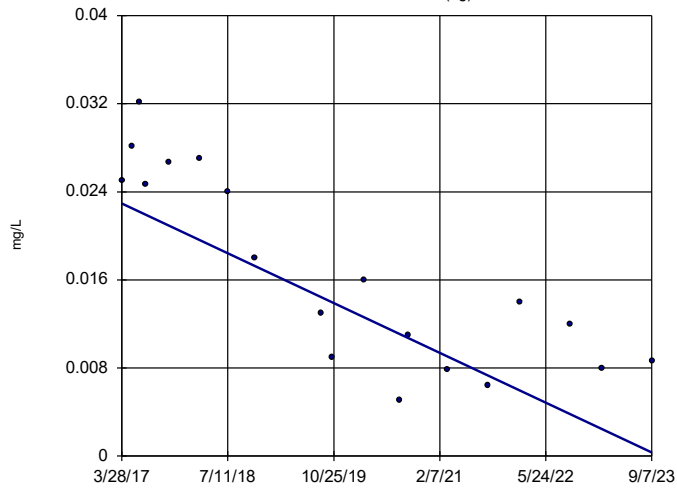


n = 9
 Slope = -0.003036
 units per year.
 Mann-Kendall
 statistic = -15
 critical = -20
 Trend not sig-
 nificant at 95%
 confidence level
 (α = 0.025 per
 tail).

Constituent: Cobalt Analysis Run 1/16/2024 2:36 PM View: AP 234 Appendix IV Trend Tests
 Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWA-53 (bg)



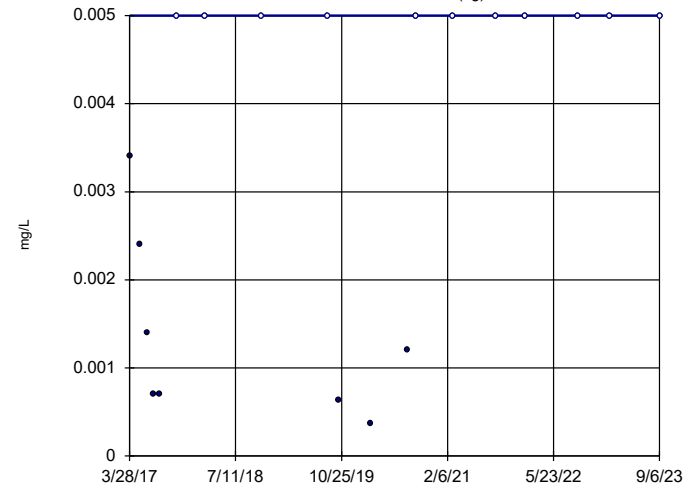
n = 19
 Slope = -0.003507
 units per year.
 Mann-Kendall
 statistic = -107
 critical = -58
 Decreasing trend
 significant at 95%
 confidence level
 (α = 0.025 per
 tail).

Constituent: Cobalt Analysis Run 1/16/2024 2:36 PM View: AP 234 Appendix IV Trend Tests
 Plant McDonough Client: Southern Company Data: McDonough AP

Hollow symbols indicate censored values.

Sen's Slope Estimator

DGWA-70A (bg)

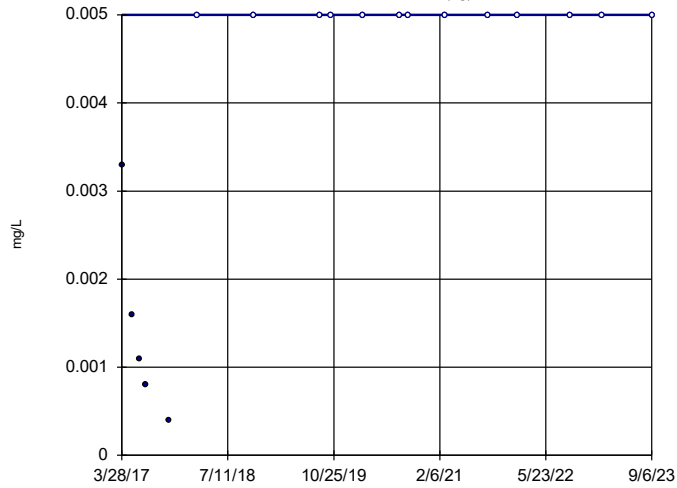


n = 19
 Slope = 0
 units per year.
 Mann-Kendall
 statistic = 45
 critical = 58
 Trend not sig-
 nificant at 95%
 confidence level
 (α = 0.025 per
 tail).

Constituent: Cobalt Analysis Run 1/16/2024 2:36 PM View: AP 234 Appendix IV Trend Tests
 Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWA-71 (bg)

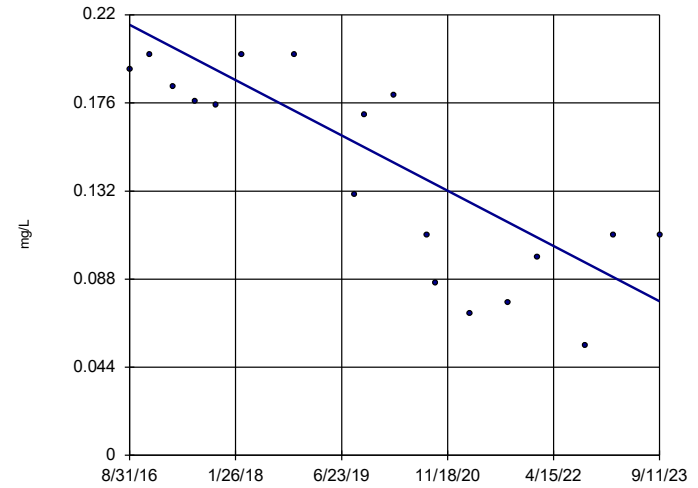


n = 18
Slope = 0
units per year.
Mann-Kendall
statistic = 55
critical = 53
Increasing trend
significant at 95%
confidence level
($\alpha = 0.025$ per
tail).

Constituent: Cobalt Analysis Run 1/16/2024 2:36 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWC-10

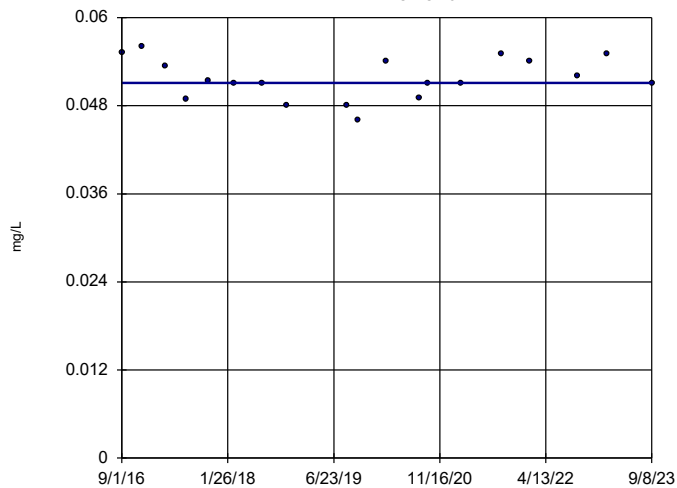


n = 18
Slope = -0.01964
units per year.
Mann-Kendall
statistic = -91
critical = -53
Decreasing trend
significant at 95%
confidence level
($\alpha = 0.025$ per
tail).

Constituent: Cobalt Analysis Run 1/16/2024 2:36 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWC-19

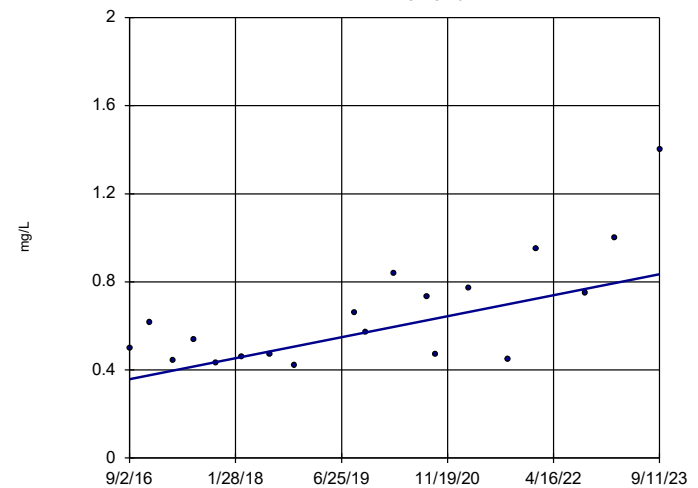


n = 19
Slope = 0
units per year.
Mann-Kendall
statistic = -6
critical = -58
Trend not sig-
nificant at 95%
confidence level
($\alpha = 0.025$ per
tail).

Constituent: Cobalt Analysis Run 1/16/2024 2:36 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWC-20

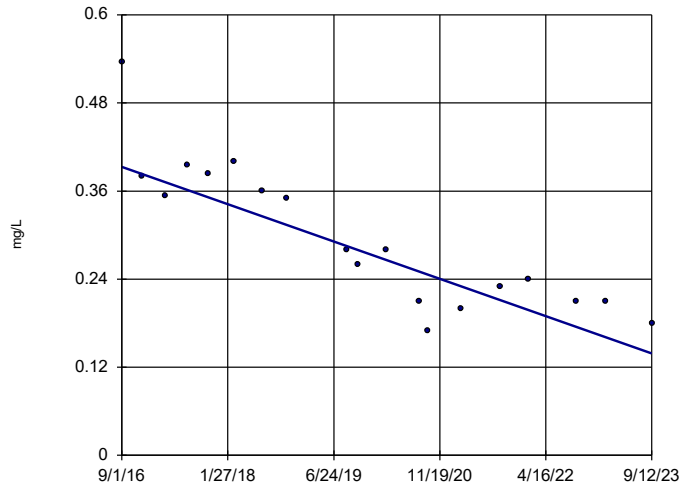


n = 19
Slope = 0.06798
units per year.
Mann-Kendall
statistic = 80
critical = 58
Increasing trend
significant at 95%
confidence level
($\alpha = 0.025$ per
tail).

Constituent: Cobalt Analysis Run 1/16/2024 2:36 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWC-47

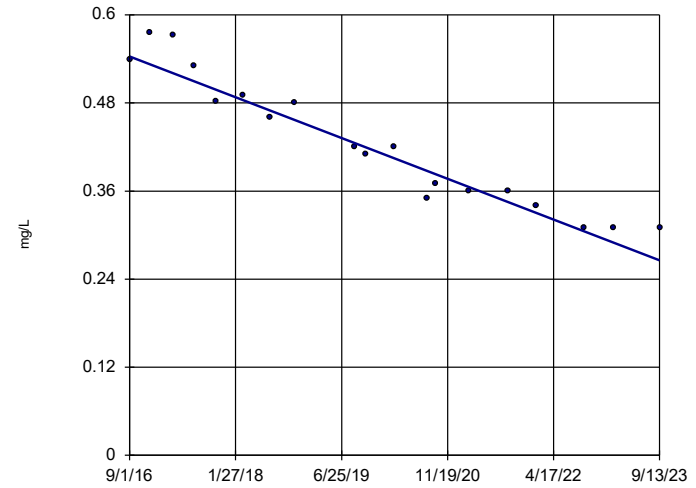


n = 19
 Slope = -0.0361
 units per year.
 Mann-Kendall
 statistic = -121
 critical = -58
 Decreasing trend
 significant at 95%
 confidence level
 ($\alpha = 0.025$ per
 tail).

Constituent: Cobalt Analysis Run 1/16/2024 2:36 PM View: AP 234 Appendix IV Trend Tests
 Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWC-48

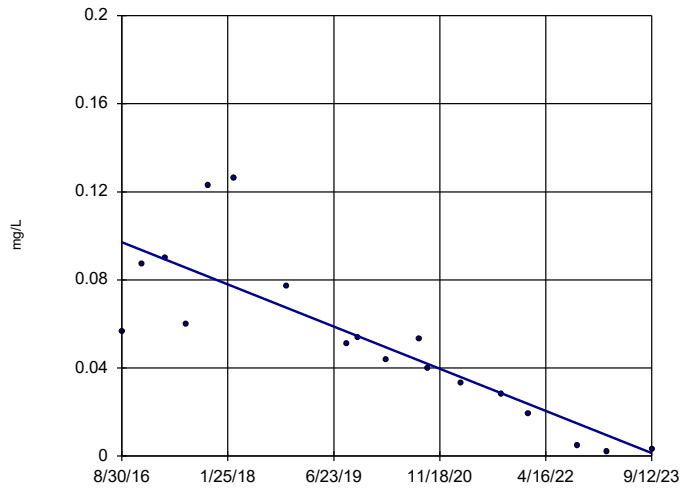


n = 19
 Slope = -0.03946
 units per year.
 Mann-Kendall
 statistic = -150
 critical = -58
 Decreasing trend
 significant at 95%
 confidence level
 ($\alpha = 0.025$ per
 tail).

Constituent: Cobalt Analysis Run 1/16/2024 2:36 PM View: AP 234 Appendix IV Trend Tests
 Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWC-8

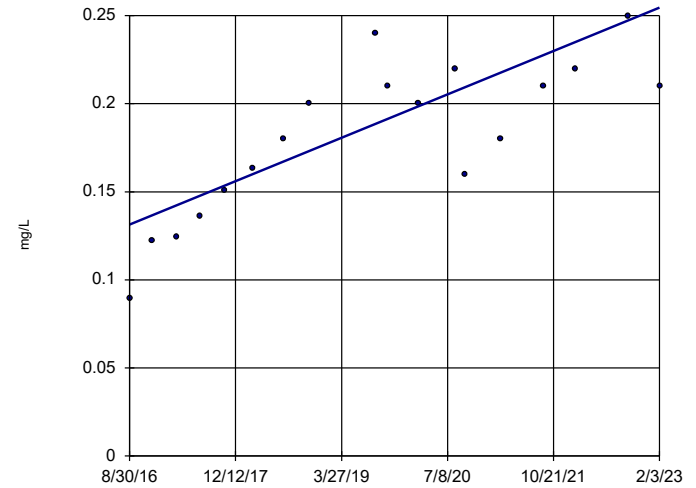


n = 18
 Slope = -0.0136
 units per year.
 Mann-Kendall
 statistic = -115
 critical = -53
 Decreasing trend
 significant at 95%
 confidence level
 ($\alpha = 0.025$ per
 tail).

Constituent: Cobalt Analysis Run 1/16/2024 2:36 PM View: AP 234 Appendix IV Trend Tests
 Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWC-9

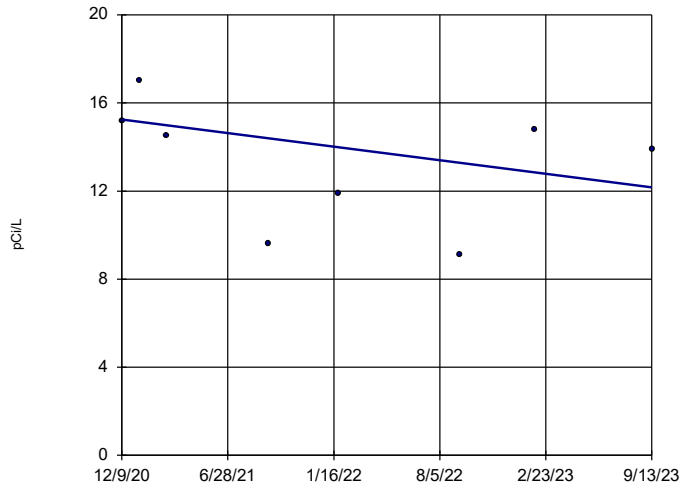


n = 18
 Slope = 0.01916
 units per year.
 Mann-Kendall
 statistic = 101
 critical = 53
 Increasing trend
 significant at 95%
 confidence level
 ($\alpha = 0.025$ per
 tail).

Constituent: Cobalt Analysis Run 1/16/2024 2:36 PM View: AP 234 Appendix IV Trend Tests
 Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

B-104D

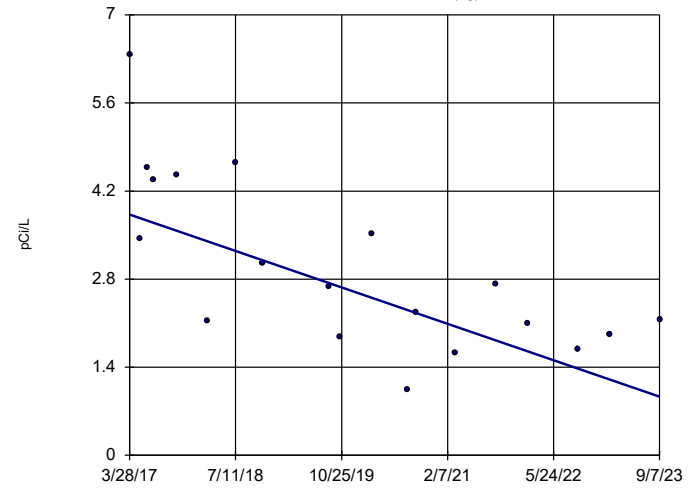


n = 8
 Slope = -1.115 units per year.
 Mann-Kendall statistic = -10
 critical = -17
 Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 1/16/2024 2:36 PM View: AP 234 Appendix IV Tr
 Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWA-53 (bg)

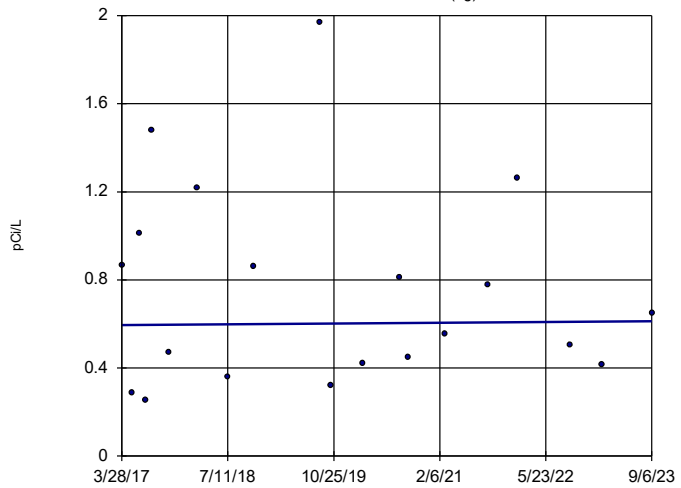


n = 19
 Slope = -0.4485 units per year.
 Mann-Kendall statistic = -87
 critical = -58
 Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 1/16/2024 2:36 PM View: AP 234 Appendix IV Tr
 Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWA-70A (bg)

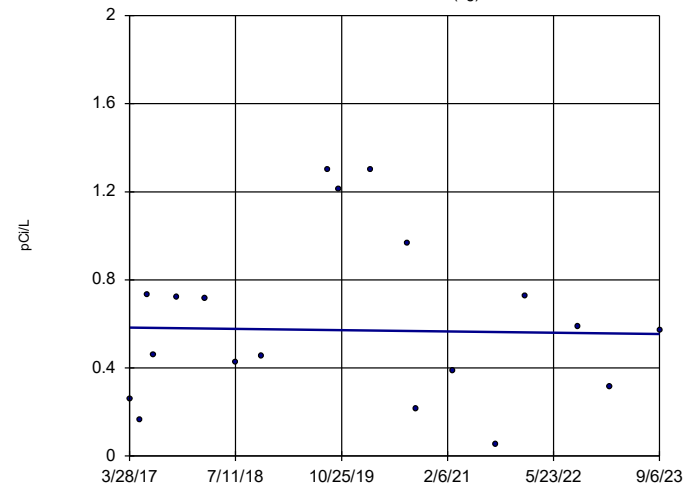


n = 20
 Slope = 0.002769 units per year.
 Mann-Kendall statistic = 0
 critical = 62
 Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 1/16/2024 2:36 PM View: AP 234 Appendix IV Tr
 Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWA-71 (bg)

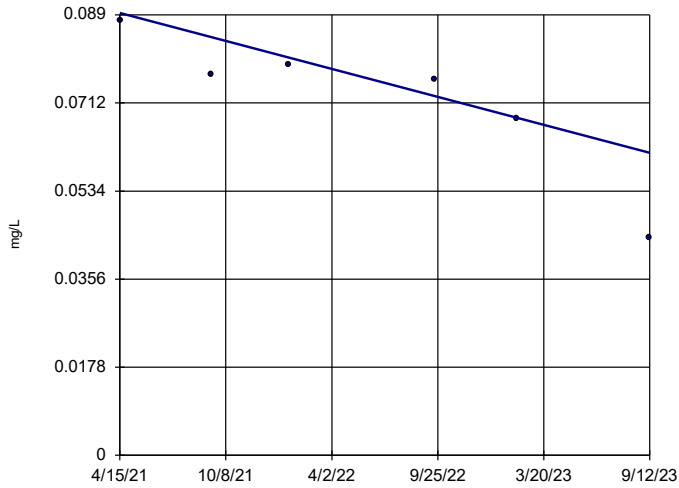


n = 19
 Slope = -0.004534 units per year.
 Mann-Kendall statistic = -4
 critical = -58
 Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Combined Radium 226 + 228 Analysis Run 1/16/2024 2:36 PM View: AP 234 Appendix IV Tr
 Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

B-120D

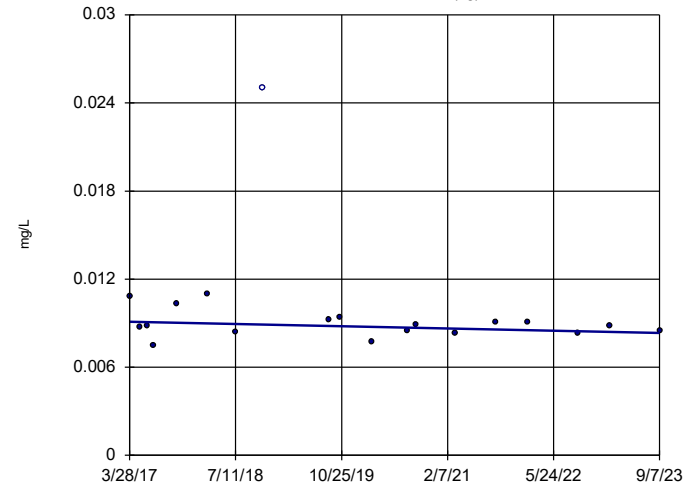


n = 6
 Slope = -0.01173
 units per year.
 Mann-Kendall
 statistic = -13
 critical = -12
 Decreasing trend
 significant at 95%
 confidence level
 ($\alpha = 0.025$ per
 tail).

Constituent: Lithium Analysis Run 1/16/2024 2:36 PM View: AP 234 Appendix IV Trend Tests
 Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWA-53 (bg)

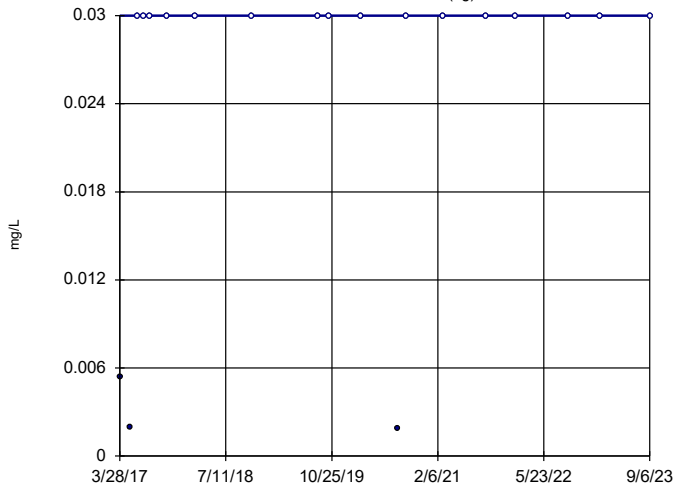


n = 19
 Slope = -0.0001165
 units per year.
 Mann-Kendall
 statistic = -31
 critical = -58
 Trend not sig-
 nificant at 95%
 confidence level
 ($\alpha = 0.025$ per
 tail).

Constituent: Lithium Analysis Run 1/16/2024 2:36 PM View: AP 234 Appendix IV Trend Tests
 Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWA-70A (bg)

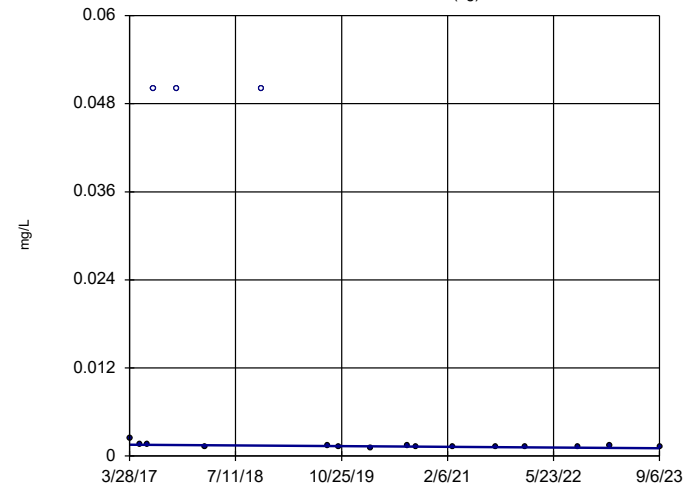


n = 19
 Slope = 0
 units per year.
 Mann-Kendall
 statistic = 27
 critical = 58
 Trend not sig-
 nificant at 95%
 confidence level
 ($\alpha = 0.025$ per
 tail).

Constituent: Lithium Analysis Run 1/16/2024 2:36 PM View: AP 234 Appendix IV Trend Tests
 Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWA-71 (bg)

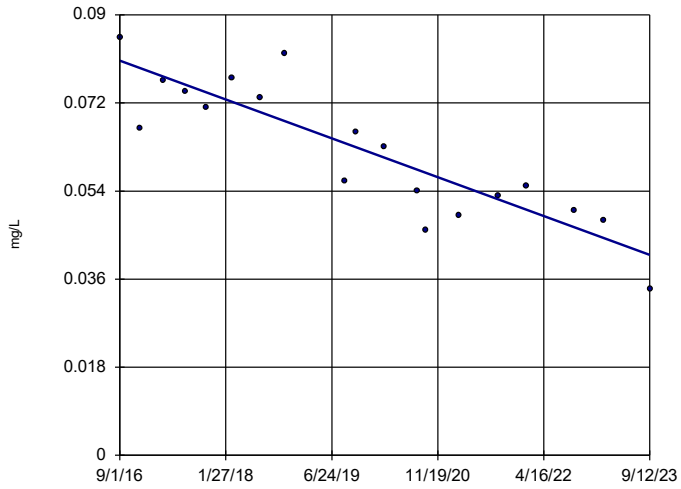


n = 18
 Slope = -0.0000751
 units per year.
 Mann-Kendall
 statistic = -58
 critical = -53
 Decreasing trend
 significant at 95%
 confidence level
 ($\alpha = 0.025$ per
 tail).

Constituent: Lithium Analysis Run 1/16/2024 2:36 PM View: AP 234 Appendix IV Trend Tests
 Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWC-47

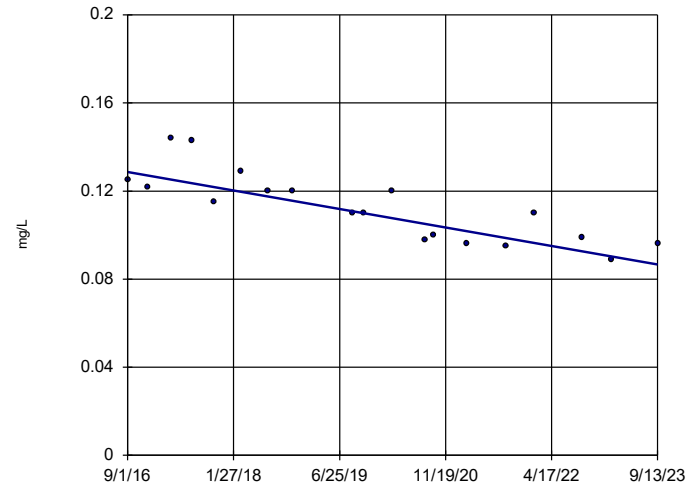


n = 19
 Slope = -0.005638 units per year.
 Mann-Kendall statistic = -117
 critical = -58
 Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 1/16/2024 2:36 PM View: AP 234 Appendix IV Trend Tests
 Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWC-48



n = 19
 Slope = -0.005967 units per year.
 Mann-Kendall statistic = -120
 critical = -58
 Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 1/16/2024 2:36 PM View: AP 234 Appendix IV Trend Tests
 Plant McDonough Client: Southern Company Data: McDonough AP

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