



REPORT

2021 Semi-Annual Groundwater Monitoring & Corrective Action Report

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

Submitted to:



Georgia Power

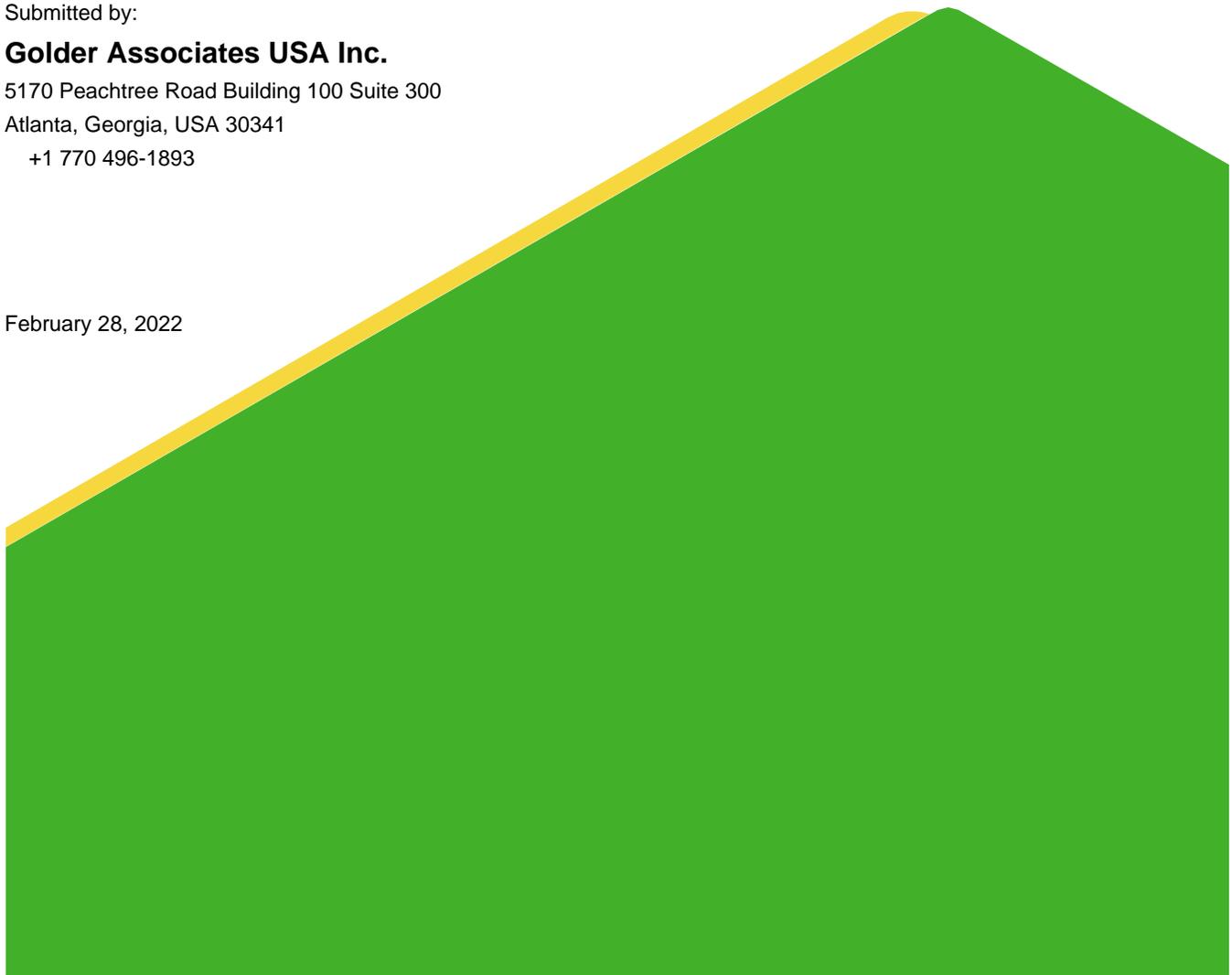
241 Ralph McGill Boulevard
Atlanta, GA 30308

Submitted by:

Golder Associates USA Inc.

5170 Peachtree Road Building 100 Suite 300
Atlanta, Georgia, USA 30341
+1 770 496-1893

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Summary

This summary of the *2021 Semi-Annual Groundwater Monitoring & Corrective Action Report* provides the status of groundwater monitoring and corrective action program from July 2021 through December 2021 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 Golder Associates USA Inc. (Golder) on behalf of Georgia Power to meet the requirements listed in Part A, Section 6¹ of the US 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 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. Other CCR units (AP-1) on-site at Plant McDonough are reported separately.

Plant McDonough-Atkinson (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, Atlanta, 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 comprised 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.



Plant McDonough

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 2021 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. The elevation data were used 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 unit.

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.

2021 Semi-Annual Groundwater Monitoring Activities

There is no change to the AP-2 and 3/4 certified detection monitoring network in 2021. The second semi-annual groundwater monitoring sampling event for AP-2 and 3/4 was conducted in September 2021. Groundwater samples were collected and analyzed for Appendix III² and Appendix IV³ required monitoring parameters.

Analytical data from the September 2021 monitoring event has been statistically analyzed in accordance with the Site's certified statistical analysis method. For the September 2021 semi-annual 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 as summarized below.

Appendix III Constituent	September 2021
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-47, DGWC-48
Calcium	DGWC-2, 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-12, DGWC-13, DGWC-15, DGWC-17, DGWC-19, DGWC-20, DGWC-21, DGWC-22, DGWC-23, DGWC-42, DGWC-48
Fluoride	DGWC-9, DGWC-10, 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-14, 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-8, DGWC-9, DGWC-10, DGWC-11, DGWC-17, DGWC-19, DGWC-20, DGWC-21, DGWC-22, DGWC-23, DGWC-42, DGWC-48
Appendix IV Constituent	September 2021
Arsenic	DGWC-9
Beryllium	DGWC-5, DGWC-9, DGWC-10, DGWC-47, DGWC-48, B-93
Cobalt	DGWC-8, DGWC-9, DGWC-10, DGWC-19, DGWC-20, DGWC-47, DGWC-48, B-56, B-63, B-93
Lithium	DGWC-47, DGWC-48, B-104D
Radium 226 + 228	B-104D
Selenium	DGWC-9

The Appendix IV SSLs are horizontally delineated in Site assessment wells to below GWPS for arsenic, beryllium, lithium, and selenium. Cobalt is horizontally delineated through surface water sampling downgradient of the Site. Surface water samples collected in September 2021 show non-detect levels, which are consistent with previous observations. Because radium at B-104D is a recent SSL, Georgia Power will review the SSL of radium and follow the guidance and timelines specified in § 257.95(g). 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 Georgia Environmental Protection Division semi-annually.

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.

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CERTIFICATION

This 2021 Semi-Annual Groundwater Monitoring & Corrective Action Report, Georgia Power Company - Plant McDonough-Atkinson – Ash Pond 2 (AP-2), Ash Pond 3 (AP-3), and Ash Pond 4 (AP-4) has been prepared in compliance with the Georgia Environmental Protection Division Rules for Solid Waste Management 391-3-4-.10 (6)(a-c) by a qualified groundwater scientist or engineer with Golder Associates USA Inc.

Golder Associates USA Inc.



Dawn L. Prell
Senior Hydrogeologist



Rachel P. Kirkman, PG
Georgia Registered Professional Geologist No. 1769



Todd H. Rees, PhD, PE
Georgia Licensed Professional Engineer No. 047845

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 *2021 Semi-Annual Groundwater Monitoring and Corrective Action Report* was prepared to document groundwater monitoring activities conducted at Georgia Power Company's (Georgia Power) Plant McDonough 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 activities conducted during July through December 2021 at AP-2 and AP-3/4. This report includes results from the second semi-annual monitoring event conducted in September 2021 for AP-2 and AP-3/4. Activities completed at Plant McDonough's Ash Pond 1 are reported under a 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, Atlanta, GA 30339), 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-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-2 and 3/4. AP-1 is reported separately. A notification of intent to initiate closure of the inactive CCR surface impoundment was certified on December 7, 2015, for AP-2 and December 8, 2015, for AP-3 and AP-4 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 from plant McDonough is ongoing, and the progress of CCR removal is shown on Figure 2.

Groundwater monitoring and reporting for AP-2 and AP-3/4 are being performed in order 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 AP-3/4. CCR impoundments AP-2 and AP-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 for AP-2 and AP-3/4 is established 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* (Golder, 2022).

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 the overburden, range between approximately 9 to 61 feet in thickness across the Site, with an average thickness of approximately 38 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. However, deeper bedrock (i.e., approximately greater than 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 AP-3/4 to monitor groundwater passing the waste boundary. Wells were located to monitor upgradient and downgradient groundwater conditions based on groundwater flow direction. The monitoring well network was certified by a Professional Engineer in GA on April 17, 2019, and the certification is maintained in the Operating Record pursuant to § 257.90(f). AP-2 and 3/4 monitoring well and piezometer locations are shown on Figures 3A and 3B.

A comprehensive network of monitoring wells were installed for groundwater monitoring in proximity to AP-2 and 3/4. Table 1 includes well construction details for the multi-unit AP-2 and AP-3/4 monitoring well network. Additionally, a separate network for AP-1 as well as a series of piezometers were installed at the Site. Table 1 also includes the current assessment well network and the construction details for each of the Site wells and piezometers for the multi-unit monitoring network and the separate AP-1 unit.

2.0 GROUNDWATER MONITORING ACTIVITIES

The following section describes monitoring-related activities performed at the Site during the second half of 2021. Routine groundwater sampling was performed in September 2021 in accordance with 40 CFR § 257.93. Due to flooding during the semi-annual monitoring, some of the monitoring wells were not accessible and a water level monitoring event was conducted on October 27, 2021. Groundwater monitoring field forms from this current monitoring event are contained in Appendix A, while analytical data reports are contained in Appendix B.

2.1 Monitoring Well Installation and Maintenance

There was no change to the detection groundwater monitoring system during this reporting period. Monitoring well related activities included visual inspection of well conditions prior to sampling, recording conditions around the well, and performing exterior maintenance to provide safe access for sampling. The well inspection logs are included in Appendix C.

Monitoring wells are inspected semiannually to determine if any repairs or corrective actions are necessary to meet the requirements of the Georgia Water Well Standards Act (O.C.G.A. § 12-5-134(5)(d)(vii)). In October 2021, monitoring wells were inspected, necessary corrective actions were identified and subsequently completed, as documented in Appendix C. This documentation will serve as the required five year well inspection and was performed under the direction of a professional geologist or engineer registered in the State of Georgia.

2.2 Assessment Monitoring

Pursuant to § 257.94(e), an assessment monitoring program has been established for AP-2 and 3/4 at Plant McDonough based on the SSIs documented in the *2019 Annual Groundwater Monitoring and Corrective Action Report*, (Golder, 2019). A notice of assessment monitoring was placed in the operation record on November 13, 2019.

Groundwater sampling event was conducted for AP-2 and AP-3/4 in September 2021. Samples were collected from each well in the certified monitoring network. The monitoring wells sampled included AP-2 and AP-3/4 monitoring wells presented in Table 1 as well as assessment monitoring wells also listed in Table 1 and shown on Figures 3A and 3B. Table 2 presents a summary of groundwater sampling events completed for AP-2 and AP-3/4 and the status of the monitoring network.

During the September 2021 semi-annual sampling event, groundwater samples were collected for Appendix III and Appendix IV constituents. Results of the sampling activities conducted in September 2021 are discussed below in Section 5.0, and the data are presented in Appendix B.

2.3 Additional Sampling

Additional sampling was conducted during the reporting period in support of the assessment of corrective measures and in continuing to define the nature and extent of impacts resulting from the Site. Additional sampling included sampling at upgradient monitoring wells B-116D, B-117D, B-118 and B-119D to characterize background conditions at the Site and are being evaluated to update the statistical network.

Due to the proximity of the Chattahoochee River in the downgradient direction of the wells with SSLs of cobalt, installation of additional wells to horizontally characterize this area is infeasible. In response, Georgia Power collected surface water samples from the Chattahoochee River on September 7, 2021. The surface water samples collected in September 2021 were analyzed for Appendix III parameters, select Appendix IV parameters (i.e., arsenic, cobalt, molybdenum and selenium) and major ions (magnesium, potassium, sodium total and bicarbonate alkalinity). Two of the locations within the Chattahoochee River are used for delineation of cobalt (DW_US and CR-0.1). Surface water sampling locations are shown on Figure 3A. Surface water samples are collected in accordance with *Region 4 U.S. Environmental Protection Agency Science and Ecosystem Support Division Operating Procedures for Surface Water Sampling* SESDPROC-201-R4 (December 16, 2016). The results of surface water sampling are discussed in Section 5.0 and the laboratory reports associated with each of

these sampling events are provided in Appendix B. Georgia Power will continue collecting the surface water samples semi-annually.

3.0 SAMPLE METHODOLOGY AND ANALYSIS

Sampling events completed during this reporting period at AP-2 and AP-3/4 include the September semi-annual assessment monitoring event. Groundwater analytical data and chain of custody records are presented in Appendix B. The following sections describe methods used to conduct groundwater monitoring at the Site.

3.1 Groundwater Elevation Measurement

Due to flooding at the time of the sampling event resulting in wells being inaccessible, groundwater elevations were recorded at each well and piezometer in October 2021. Groundwater elevation data are summarized in Table 3. Calculated water level data were used to develop Figures 4A and 4B. Site potentiometric maps show that groundwater generally flows west/southwest across the Site, which is consistent with historical observations with localized fluctuations as a result of the ongoing dewatering efforts. Figure 4B presents an inset of the northeast portion of AP-3/4 and presents the effects of the localized dewatering. Groundwater flow in this area is inward towards AP-3/4.

Localized groundwater flow directions within this aquifer are influenced by topographic and top of rock variations on Site as well as recent closure activities including localized dewatering. AP-3/4 is on a topographic high, initially creating radial flow around the ponds, with the exception of the one upland high upgradient of AP-3/4. Dewatering at AP-4 is creating inward gradient northeast of AP-3/4 and is expected to resemble pre-impoundment groundwater conditions corresponding to the higher topographic elevations in that area following closure. AP-2 was over excavated into subgrade soils and filled with onsite backfill from the AP-4 dike, creating a low hydraulic gradient. Construction in the AP-3/4 area is expected to be complete by mid-year 2022. Regionally groundwater is interpreted to flow south-southeast from the topographic high northwest of AP-3/4 towards AP-2 and the Chattahoochee River.

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 October 2021 from three piezometer and/or well pairings; DGWA-53/DGWC-13, and B-26/DGWC-48, located along the groundwater flow path and perpendicular to the potentiometric contours were used to calculate hydraulic gradients for AP-2 and AP-3/4.

Average groundwater flow velocities at the Site were calculated using hydraulic gradient data, hydraulic conductivity data generated from slug testing results, 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), (Golder, 2022). An effective porosity of 0.20 (20%) for was used based on the default values for effective porosity recommended by US EPA for a silty sand-type soil (US EPA, 1996). The hydraulic gradient calculated between well pairs is shown on Table 4 for October 2021.

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

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

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 flow velocities were calculated for AP-2 and 3/4 using October 2021 groundwater elevation data as shown on Table 4.

Calculated (horizontal) flow velocities range from approximately 104 feet per year (ft/yr) to 109 ft/yr in October 2021. 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). In the vicinity of each of the dewatering wells, small, localized flow changes are observed. Flow rates in this area are temporarily increased 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. 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, 2020). In-Situ SmarTroll and AquaTROLL 400 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 2020we turbidimeter. Groundwater samples were collected when the following stabilization criteria were met for a minimum of three consecutive readings:

- ±0.1 standard units for pH
- ±5% for specific conductance
- ±10% or ±0.2 mg/L (whichever is greater) for DO where DO>0.5 milligrams per liter (mg/L); if DO<0.5 mg/L, no stabilization criteria apply
- ≤5 Nephelometric Turbidity Units (NTUs) for turbidity.

Following well stabilization, unfiltered samples were collected directly into appropriately preserved laboratory supplied sample containers, placed in ice-packed coolers, and submitted to the laboratory following standard chain-of-custody protocol. Field information forms, generated directly from the SmarTroll®/Aqua TROLL®, and chain-of-custody records are included in Appendix A.

Field data and sampling notes for each monitoring well are recorded on the field information forms, which contains a description of the sampling equipment, sampling method, purge rate, field observations, and depth to water measurements at each monitoring location. Calibration forms for field instruments and field data sheets are also included in Appendix A.

3.4 Laboratory Analysis

Groundwater samples were collected September 2021 as part of the second semi-annual sampling event. Because AP-2 and 3/4 is currently in assessment monitoring, groundwater samples from wells in the detection monitoring program 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 2021 detection, assessment and supplemental sample results. Results of surface water samples collected in September 2021 are presented on Table 6. Analytical methods used for monitoring parameters can be found in the analytical data reports in Appendix B.

Laboratory analyses for all events 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 all parameters analyzed for this project. Analytical data, chain-of-custody records, and NELAP certifications for the monitoring events are presented in Appendix B.

3.5 Quality Assurance and Quality Control

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

Groundwater quality data in this report were independently validated in accordance with US EPA Region IV Data Validation Standard Operating Procedures (US EPA, 2011), National Functional Guidelines for Inorganic Superfund Methods Data Review (January 2017) 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. Data validation summaries are provided in Appendix B. The data are considered usable for meeting project objectives and the results are considered valid.

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 MDC (Minimum Detectable Concentration), the values are followed by a "U" flag in 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 AP-3/4 (Groundwater Stats Consulting, 2019). The statistical analysis report prepared by Groundwater Stats Consulting, LLC is presented in Appendix D.

4.1 Statistical Method

The selected statistical method for AP-2 and AP-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). The 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) document.

4.1.1 Appendix III Detection Monitoring Statistical Methods

Appendix III statistical analyses 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.

4.1.2 Appendix IV Assessment Monitoring Statistical Methods

Statistical analyses while in assessment monitoring is performed through the use of confidence intervals compared to the 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, Rule Specified Limits (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). These criteria are not currently adopted by GA EPD.
- The respective background level for a constituent when the background level is higher than the MCL or rule identified GWPS.

US EPA revised the CCR Rule on July 30, 2018, updating GWPS for cobalt, lead, lithium, and molybdenum as described above in 40 CFR § 257.95(h)(2). Presently those updated GWPS have not yet been incorporated in the current Georgia EPD Rules for Solid Waste Management 391-3-4-.10(6)(a); therefore, under EPD rules, background concentrations are considered when determining the GWPS for constituents where an MCL has not been established (or where background is higher than the MCL). Under the existing EPD rules, the GWPS is:

- The MCL or
- The background concentration when an MCL is not established or when the background concentration is higher than the MCL.

Following the above state rule requirements, GWPS were established for statistical comparison of Appendix IV constituents. Table 7 summarizes the background limit established at each monitoring well and the GWPS established under State and Federal rules.

To complete the statistical comparison to GWPS, confidence intervals were constructed for each of the Appendix IV parameters in each downgradient well. Those confidence intervals were compared to the GWPS established for both the State and Federal rules. 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 D. The background period for statistical analyses included data through the current event. Tolerance limits for confidence interval calculations are updated to include current data. Due to varying reporting limits in background, the most recent reporting limit is used when data is not reported above detection limits. This results in a more appropriate statistical test.

4.2 Statistical Analysis Results

Analytical data from September 2021 at AP-2 and AP-3/4 have been statistically analyzed in accordance with the Site's certified Statistical Analysis Plan. Verification resampling to confirm initial SSIs was not performed; therefore, initial SSIs are considered verified. The statistical results are included in Appendix D.

4.2.1 September 2021 Appendix III Statistical Results

Based on the statistical results, SSIs of boron, calcium, chloride, 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 D.

4.2.2 September 2021 Appendix IV Statistical Results

Analytical data from the September 2021 monitoring event at AP-2 and AP-3/4 have been statistically analyzed in accordance with the Site's certified statistical analysis method. Review of the Sanitas results indicates that using the GWPS established according to both 40 CFR § 257.95(h) and 391-3-4-.10(6)(a), 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-93
Cobalt	DGWC-8, DGWC-9, DGWC-10, DGWC-19, DGWC-20, DGWC-47, DGWC-48, B-56, B-63, B-93
Lithium	DGWC-47, DGWC-48, B-104D ^[1]
Selenium	DGWC-9
Combined Radium	B-104D

[1] Lithium at B-104D does not exceed the Federal GWPS; only the state GWPS is exceeded.

5.0 ASSESSMENT MONITORING AND DELINEATION STATUS

CCR compliance groundwater monitoring-related activities have been performed for AP-2 and 3/4 since September 2016 pursuant to the CCR rule. Georgia Power initiated an assessment monitoring program in November 2019 after identifying statistically significant increases (SSIs) of Appendix III parameters in groundwater. Pursuant to § 257.95, samples were collected from the compliance monitoring wells and analyzed for Appendix IV constituents.

Limited groundwater analytical data are available for 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 many 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, above, and are included in Appendix D.

To characterize the nature and extent of arsenic, beryllium, cobalt, lithium, radium and selenium SSLs, multiple piezometers have been installed and sampled at the Site (e.g., Golder, 2021a); refer to the table below for constituent delineation status. 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 is discussed in the *Semi-Annual Remedy Selection and Design Progress Report* (Appendix E) including isoconcentration contours for each of the constituents with an exceedance of the GWPS.

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-93, B-98, Flow is toward AP-4 ^[4]
DGWC-8	Cobalt	B-106D ^[1]	B-88, Flow is toward AP-4 ^[4]
DGWC-9	Arsenic	B-101D ^[1]	DGWC-10, Flow is toward AP-4 ^[4]
	Selenium	B-101D ^[1]	DGWC-10, Flow is toward AP-4 ^[4]
	Beryllium	B-101D ^[1]	DGWC-11, Flow is toward AP-4 ^[4]
	Cobalt	B-101D ^[1]	DGWC-11, Flow is toward AP-4 ^[4]
DGWC-10	Beryllium	B-102D	DGWC-11, Flow is toward AP-4 ^[4]
	Cobalt	B-102D	DGWC-11, Flow is toward AP-4 ^[4]
DGWC-19	Cobalt	B-107D ^[1]	B-77
DGWC-20	Cobalt	B-108D ^[1]	B-83
DGWC-47	Beryllium	B-103D ^[2] / B-115D ^[1]	B-77
	Cobalt	B-103D ^[2] / B-115D ^[1]	B-77
	Lithium	B-103D ^[2] / B-115D ^[1]	B-77
DGWC-48	Beryllium	B-104D / B-115D ^[1]	B-83
	Cobalt	B-104D / B-115D ^[1]	B-83
	Lithium	B-104D / B-115D ^[1]	B-83
B-56	Cobalt	B-101D ^[1]	B-66, Flow is toward AP-4 ^[4]
B-63	Cobalt	Pending ^[3]	DW_US
B-93	Beryllium	B-111D	B-98, Flow is toward AP-4 ^[4]
	Cobalt	B-111D	B-98, Flow is toward AP-4 ^[4]
B-104D	Lithium	Pending ^[3]	Pending ^[3]

Detection/Assessment Monitoring Well with SSL	Constituent of Concern	Vertical Delineation Well	Horizontal Delineation Well / Surface Water Monitoring Location
	Combined Radium	Pending ^[3]	Pending ^[3]

Notes:

- [1] Delineation status is pending additional data collection at locations B-101D, B-106D, B-107D, B-108D, B-111D, and B-115D. A minimum of four data points is needed to perform the required statistical analyses.
- [2] B-103D was completed as a vertical delineation well adjacent to DGWC-47. B-103D did not yield sufficient water for representative sampling because it is screened in highly competent rock.
- [3] Recent SSL and is pending delineation.
- [4] Where groundwater flow is inward, toward AP-4, we have indicated delineation is complete.

Based on data collected to date, there are no impacts to surface water by constituents with SSLs at AP-2 and 3/4 at Plant McDonough and the horizontal delineation of target SSL constituents is complete. Evaluation of vertical delineation for SSLs at AP-2 and 3/4 is ongoing. Horizontal and vertical delineation is summarized below based on review of analytical results, statistical analyses and the isoconcentration contours (Appendix E).

Arsenic at DGWC-9: Horizontal delineation is complete based on results from sampling of DGWC-10. We also note that groundwater flow is inward toward AP-4 and as such delineation is complete. The arsenic SSL noted at DGWC-9 is preliminarily vertically delineated to below GWPS at well B-101D, located adjacent to DGWC-9 pending verification statistical analyses following additional data collection. Concentrations for each of the three samples collected to date from B-111D collected are below the GWPS.

Beryllium at DGWC-5, DGWC-9, DGWC-10, and B-93: Horizontal delineation in the area of these wells is complete. Groundwater flow is inward toward AP-4. Vertical delineation is evaluated using wells B-111D, B-101D, B-102D, which are installed adjacent these wells. Delineation is complete at B-102D and is pending sufficient data to complete statistical analyses at wells B-101D and B-111D.

Beryllium at DGWC-47 and DGWC-48: Horizontal delineation of beryllium is complete with sampling of monitoring wells B-77 and B-83, respectively. Vertical delineation for beryllium at DGWC-48 is complete with beryllium below the SSL is B-104D. For the vertical delineation of beryllium at DGWC-47, a deeper well, B-103D, was recently installed. Well B-103D did not yield sufficient amounts of water for representative sampling. Water-bearing fractures were not identified during drilling to a depth that exceeds 80 feet below ground surface. The bedrock unit is highly competent with limited connectivity within the unit, where groundwater flow only occurs within discrete fractures. A second delineation well B-115D was installed downgradient. Delineation for beryllium at DGWC-48 is ongoing, pending collection of additional monitoring data at B-104D for statistical analyses.

Cobalt at DGWC-8, DGWC-9, DGWC-10, B-56, and B-93: Horizontal delineation for cobalt in the area of these wells is complete; groundwater flow is inward, toward AP-4. Vertical delineation is evaluated using wells B-101D, B-102D, B-106D and B-111D, which were installed adjacent these wells. Delineation is complete at B-102D and B-111D and delineation is pending sufficient samples to complete statistical analyses at well B-101D. Each of three samples collected to date at B-101D are below the GWPS for cobalt.

Cobalt at DGWC-19, DGWC-20, DGWC-47, DGWC-48, and B-63: Horizontal delineation for cobalt at wells DGWC-19, DGWC-20, DGWC-47, DGWC-48, B-63 is complete with sampling of monitoring wells B-77, B-83, B-100, B-61 and samples of the Chattahoochee River (DW_US, DW_DS, CR+0.1, and CR+0.2). With the exception of cobalt at DGWC-48, vertical delineation in this area is ongoing, pending the collection of four sample data for statistical analyses. Vertical delineation in this area is ongoing at the site. Recent vertical delineation well (B-103D) installed in this area near DGWC-48 did not yield significant amounts of water for representative sampling as stated above. It is unlikely that a well installed deeper than B-103D will be successful since the bedrock fractures tend to be fewer and sealed with deeper depth, limiting the yield of groundwater for sampling. A deeper well than the current depth at B-115D will be evaluated during the next reporting period.

Cobalt at DGWC-19, DGWC-20, DGWC-47, DGWC-48, and B-63: Horizontal delineation for cobalt at wells DGWC-19, DGWC-20, DGWC-47, DGWC-48, B-63 is complete with sampling of monitoring wells B-77, B-83, B-62 and samples of the Chattahoochee River (DW_US, DW_DS, CR+0.1, and CR+0.2). More specifically, the cobalt SSLs identified along the well transect extending from DGWC-47 to B-63 are horizontally delineated by surface water samples collected at DW_US. The cobalt SSLs identified along the well transect extending from DGWC-40 to B-100 are horizontally delineated by surface water samples collected at CR-0.1 and downstream locations CR+0.2 and CR+0.4). Cobalt SSLs noted along transect DGWC-48 to B-83 are delineated to below GWPS in well B-83.

Lithium at DGWC-47, DGWC-48, B-104D: Horizontal delineation of lithium is complete with sampling of monitoring wells B-77 and B-83. Vertical delineation for DGWC-47 and DGWC-48 is ongoing as described above for beryllium. A new SSL for lithium was identified in delineation well B-104D. The concentration of lithium in B-104D is below the Regional Screening Level of 0.04 mg/L. Adoption of the RSL by Georgia EPD will eliminate the statistical exceedance at this well. As mentioned above, vertical delineation well B-103D could not be sampled and therefore, a deeper delineation well below the screened depth of B-115D will be evaluated during the next reporting period.

Selenium at DGWC-9: Horizontal delineation for selenium at DGWC-9 is complete with sampling of DGWC-10. We also note that groundwater flow is inward, toward AP-4. Vertical delineation is evaluated using wells B-101D (refer to Figure 8) and is ongoing, pending additional data collection. To date, concentrations for the three samples collected from B-101D are below the GWPS.

Radium at B-104D: Horizontal and vertical delineation of radium at B-104D is pending further investigation. Natural sources of radium as described in Section 3.2 have been identified; and alternate source demonstration (ASD) is being pursued for these concentrations above the GWPS.

In summary, based on data collected to date, there are no impacts to surface water by constituents with SSLs at AP-2 and 3/4 at Plant McDonough and the horizontal delineation of target SSL constituents is complete. Evaluation of vertical delineation for SSLs at AP-2 and 3/4 is ongoing. Additional monitoring wells will be installed as required to complete vertical delineation.

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, 2020b) and this SSL was incorporated into the ACM evaluation. Since initiation of the ACM, radium was also identified as an SSL. In response, an alternate source demonstration is underway to address the presence of radium Site groundwater.

In accordance with 40 CFR § 257.97(a), a remedy selection report will be prepared and submitted concurrent with semi-annual groundwater monitoring reports to document results associated with additional data collection, and present progress toward selection and design of a groundwater remedy. A copy of the report is included as Appendix E.

The *Semi-Annual Remedy Selection and Design Progress Report* that is included as Appendix E includes the following information:

- i) A summary of the closure status for AP-2 and 3/4 as it relates to source control.
- ii) Summary of work completed to date to achieve delineation of constituents exceeding groundwater protection standards and a summary of data collected to date towards remedy selection.
- iii) A summary of remedial alternatives and progress towards remedy selection.

7.0 MONITORING PROGRAM STATUS

Statistical evaluations of the groundwater monitoring data for AP-2 and AP-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 AP-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 *2021 Semi-Annual Groundwater Monitoring & Corrective Action Report, Georgia Power Company Plant McDonough-Atkinson – Ash Pond 2 (AP-2), Ash Pond 3 (AP-3), and Ash Pond 4 (AP-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 interpreted during the October 2021 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 for the time being. The monitoring well network continues to effectively monitor the uppermost aquifer beneath AP-2 and AP-3/4.

Review of analytical results and statistical analyses developed for the Site indicates confirmed SSIs 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 delineation of constituents exhibiting SSLs is complete. Evaluation of vertical delineation for SSLs at AP-2 and 3/4 is ongoing. Additional monitoring wells will be installed as required to complete vertical delineation.

Based on the findings presented herein, Plant McDonough will continue with assessment groundwater monitoring and reporting. The next sampling event was completed in January 2022 and data will be provided in the annual monitoring report in August 2022.

9.0 REFERENCES

- Golder, 2019, *2019 First Annual Groundwater Monitoring and Corrective Action Report*, Georgia Power Company – Plant McDonough-Atkinson Ash Pond 2 and 3/4, August 1, 2019.
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- US EPA, 2017, *National Functional Guidelines for Inorganic Superfund Methods Data Review*, Office of Superfund Remediation and Technology Innovation. OLEM 9355.0-135 [EPA-540-R-2017-001]. Washington. DC, January 2017.

Tables

TABLE 1
SUMMARY OF MONITORING WELL, ASSESSMENT WELL AND PIEZOMETER CONSTRUCTION DATA
 Georgia Power Company - Plant McDonough
 Atlanta, 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	841.3	28.9	823.7	813.7	10	9/24/2016
DGWA-70A	Upgradient	Overburden	1390481.4	2200591.6	808.52	805.8	59.3	756.9	746.9	10	5/10/2017
DGWA-71	Upgradient	Overburden	1393963.3	2201714.8	863.84	861.2	43.8	827.8	817.8	10	2/28/2017
DGWC-37	Downgradient	Overburden	1390482.2	2200919.8	766.21	763.7	39.7	734.4	724.4	10	11/28/2012
DGWC-38	Downgradient	Overburden	1390362.7	2201148.6	757.43	754.7	25.0	740.0	730.0	10	11/29/2012
DGWC-39	Downgradient	Overburden	1390303.6	2201540.1	759.89	757.0	21.2	746.2	736.2	10	11/6/2012
DGWC-40	Downgradient	Overburden	1390625.7	2201825.9	779.06	776.2	34.9	751.7	741.7	10	11/5/2012
DGWC-67	Downgradient	Overburden	1390953.8	2200830.7	766.70	767.0	56.3	720.7	710.7	10	3/14/2017
DGWC-68A	Downgradient	Overburden	1391301.2	2200734.9	765.33	765.4	29.8	746.0	736.0	10	4/20/2017
DGWC-69	Downgradient	Overburden	1391585.0	2200657.1	763.75	764.0	24.3	749.7	739.7	10	3/16/2017
ASH POND 1 (AP-1) ASSESSMENT MONITORING WELL NETWORK											
B-62	Downgradient	Upper Bedrock	1389828.1	2201811.2	760.08	760.4	39.9	730.7	720.7	10	10/4/2016
B-100	Downgradient	Overburden	1390254.8	2202242.1	777.95	775.3	44.8	740.5	730.5	10	7/8/2020
B-105D	Downgradient	Upper Bedrock	1390634.5	2201831.9	779.01	776.0	70.00	716.0	706.0	10	10/19/2020
B-112D	Downgradient	Upper Bedrock	1391564.2	2200664.1	765.58	766.1	55	721.4	711.4	10	3/22/2021
B-113D	Downgradient	Upper Bedrock	1391264.6	2200719.2	758.22	758.8	85	684.4	674.4	10	3/30/2021

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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	841.3	28.9	823.7	813.7	10	9/24/2016
DGWA-70A	Upgradient	Overburden	1390481.4	2200591.6	808.52	805.8	59.3	756.9	746.9	10	5/10/2017
DGWA-71	Upgradient	Overburden	1393963.3	2201714.8	863.84	861.2	43.8	827.8	817.8	10	2/28/2017
DGWC-2	Downgradient	Overburden/Upper Bedrock	1393958.0	2202119.5	850.88	848.3	49.0	809.6	799.6	10	10/2/2012
DGWC-4	Downgradient	Overburden	1394171.5	2202662.4	814.85	812.1	45.0	777.4	767.4	10	10/3/2012
DGWC-5	Downgradient	Overburden/Upper Bedrock	1394306.3	2202965.1	791.75	788.7	30.0	769.0	759.0	10	10/4/2012
DGWC-8	Downgradient	Overburden	1394322.2	2203882.1	826.38	824.1	49.1	785.4	775.4	10	10/10/2012
DGWC-9	Downgradient	Overburden	1394055.9	2204170.0	824.35	821.8	30.0	802.2	792.2	10	10/10/2012
DGWC-10	Downgradient	Overburden	1393818.3	2204201.1	823.55	820.9	45.4	785.9	775.9	10	10/11/2012
DGWC-11	Downgradient	Overburden	1393547.1	2204166.2	800.57	798.1	49.1	759.3	749.3	10	10/15/2012
DGWC-12	Downgradient	Overburden	1393149.4	2204128.3	773.86	771.2	25.1	756.5	746.5	10	10/15/2012
DGWC-13	Downgradient	Overburden	1392881.1	2204084.6	794.10	791.3	43.8	757.9	747.9	10	11/29/2012
DGWC-14	Downgradient	Overburden/Upper Bedrock	1392574.2	2204013.3	792.40	789.8	34.3	765.9	755.9	10	12/18/2012
DGWC-15	Downgradient	Overburden	1392544.1	2203679.0	824.50	821.5	67.1	764.8	754.8	10	11/29/2012
DGWC-17	Downgradient	Overburden	1392645.6	2203051.0	837.05	834.2	44.5	800.0	790.0	10	1/9/2013
DGWC-19	Downgradient	Overburden	1392342.6	2202601.0	825.46	822.9	39.8	793.5	783.5	10	3/12/2013
DGWC-20	Downgradient	Overburden	1392164.5	2202315.6	822.14	819.8	39.7	790.7	780.7	10	3/5/2013
DGWC-21	Downgradient	Overburden/Upper Bedrock	1392067.5	2202063.5	816.28	813.5	69.0	754.9	744.9	10	10/31/2012
DGWC-22	Downgradient	Upper Bedrock	1392126.3	2201791.9	816.59	813.7	60.0	764.0	754.0	10	10/25/2012
DGWC-23	Downgradient	Upper Bedrock	1392239.7	2201582.0	818.37	815.7	60.1	765.9	755.9	10	10/25/2012
DGWC-42	Downgradient	Overburden	1391327.8	2201870.2	804.68	802.0	50.4	762.1	752.1	10	11/12/2012
DGWC-47	Downgradient	Overburden/Upper Bedrock	1391553.8	2202610.5	797.45	794.3	28.8	775.9	765.9	10	6/23/2016
DGWC-48	Downgradient	Overburden/Upper Bedrock	1391314.6	2202290.2	788.33	785.2	30.0	765.6	755.6	10	6/22/2016

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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	821.0	45.0	786.4	776.4	10	10/3/2016
B-62	Downgradient	Upper Bedrock	1389828.1	2201811.2	760.08	760.4	39.9	730.7	720.7	10	10/4/2016
B-63	Downgradient	Overburden	1390999.1	2202978.1	777.10	777.3	46.0	741.8	731.8	10	10/6/2016
B-66	Downgradient	Overburden	1393858.2	2204277.5	815.90	813.3	55.3	768.3	758.3	10	11/16/2016
B-77	Downgradient	Overburden	1390948.7	2202942.0	776.86	777.1	42	745.1	735.1	10	9/17/2019
B-82	Downgradient	Overburden	1393750.0	2204258.1	810.07	807.5	45	773.0	763.0	10	9/21/2019
B-83	Downgradient	Overburden	1390735.5	2202695.6	776.98	777.1	48.6	738.5	728.5	10	9/30/2019
B-88	Downgradient	Overburden	1394401.1	2203738.3	820.07	817.0	72	755.0	745.0	10	11/15/2019
B-92	Downgradient	Overburden	1394392.7	2203026.7	785.08	785.3	24.6	770.7	760.7	10	12/11/2019
B-93	Downgradient	Overburden	1394348.7	2202946.7	789.07	789.2	28.9	770.3	760.3	10	12/12/2019
B-97	Downgradient	Overburden/Upper Bedrock	1394430.0	2203008.3	786.29	786.6	31	765.3	755.3	10	2/11/2020
B-98	Downgradient	Overburden	1394392.5	2202934.0	789.67	789.8	19.4	780.8	770.8	10	2/10/2020
B-100	Downgradient	Overburden	1390254.8	2202242.1	777.95	775.3	44.8	740.5	730.5	10	7/8/2020
B-101D	Downgradient	Overburden/Upper Bedrock	1394063.6	2204168.2	824.29	821.2	75.00	756.3	746.3	10	11/12/2020
B-102D	Downgradient	Upper Bedrock	1393828.4	2204200.4	823.42	820.6	85.00	746.2	736.2	10	11/10/2020
B-104D	Downgradient	Upper Bedrock	1391318.3	2202298.5	787.90	785.3	60.00	735.3	725.3	10	10/20/2020
B-106D	Downgradient	Upper Bedrock	1394327.1	2203869.2	826.21	823.5	80.00	754.1	744.1	10	11/13/2020
B-107D	Downgradient	Upper Bedrock	1392334.5	2202596.4	823.38	820.6	85.75	745.5	735.5	10	10/28/2020
B-108D	Downgradient	Upper Bedrock	1392156.1	2202312.5	821.13	818.4	80.00	749.4	739.4	10	10/27/2020
B-109D	Downgradient	Upper Bedrock	1393957.5	2202127.0	850.73	847.8	100.00	758.4	748.4	10	10/31/2020
B-111D	Downgradient	Upper Bedrock	1394303.4	2202956.4	791.87	789.1	85.00	714.9	704.9	10	11/3/2020
B-115D	Downgradient	Upper Bedrock	1391265.3	2202580.7	789.17	786.4	80	717.2	707.2	10	3/20/2021
B-120D	Downgradient	Upper Bedrock	1394047.2	2202436.4	836.42	834.0	70	775.0	765.0	10	3/6/2021

TABLE 1
SUMMARY OF MONITORING WELL, ASSESSMENT WELL AND PIEZOMETER CONSTRUCTION DATA
 Georgia Power Company - Plant McDonough
 Atlanta, 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, ASH POND 2 AND ASH POND 3/4 SUPPLEMENTAL SAMPLING NETWORK											
B-90	Downgradient	Overburden	1394501.0	2203212.6	784.00	784.2	33.4	760.8	750.8	10	12/10/2019
B-91	Downgradient	Overburden	1394447.1	2203123.9	782.98	783.1	34.6	758.5	748.5	10	12/11/2019
B-95	Downgradient	Overburden	1394518.6	2203167.7	784.00	784.3	33.3	761.3	751.3	10	2/11/2020
B-96	Downgradient	Overburden	1394478.7	2203099.3	784.92	785.3	33.1	762.2	752.2	10	2/10/2020
B-99	Downgradient	Overburden	1394524.2	2203084.5	782.39	782.6	12.3	775.3	770.3	5	7/7/2020
B-116D	Upgradient	Upper Bedrock	1390483.7	2200611.0	807.82	805.3	90	726.1	716.1	10	3/8/2021
B-117D	Upgradient	Upper Bedrock	1393963.8	2201727.3	863.82	861.2	75	796.5	786.5	10	3/17/2021
B-118	Upgradient	Upper Bedrock	1391219.3	2200449.7	807.70	805.0	75	740.2	730.2	10	3/9/2021
B-119D	Upgradient	Upper Bedrock	1391236.4	2200446.6	807.15	804.5	105	709.8	699.8	10	3/16/2021
PIEZOMETERS											
B-3	Downgradient	Overburden/Upper Bedrock	1394045.1	2202411.5	837.78	835.0	37.0	808.3	798.3	10	10/3/2012
B-6	Downgradient	Overburden	1394419.5	2203266.5	789.47	786.5	35.4	761.5	751.5	10	10/9/2012
B-7	Downgradient	Overburden	1394374.6	2203596.1	809.16	806.1	25.2	791.3	781.3	10	10/9/2012
B-16	Downgradient	Overburden	1392595.1	2203315.4	826.47	823.6	43.7	790.2	780.2	10	12/19/2012
B-18	Downgradient	Overburden	1392521.0	2202875.5	826.56	823.9	32.6	801.5	791.5	10	1/10/2013
B-24	Downgradient	Upper Bedrock	1392479.9	2201450.0	822.11	819.3	79.1	751.0	741.0	10	10/24/2012
B-25	Downgradient	Upper Bedrock	1392813.3	2201502.7	836.54	833.5	54.8	789.1	779.1	10	10/24/2012
B-26	Downgradient	Upper Bedrock	1393105.6	2201550.4	853.60	850.6	49.3	811.7	801.7	10	10/23/2012
B-28	Downgradient	Overburden/Upper Bedrock	1391967.4	2201679.2	816.08	813.3	69.4	754.3	744.3	10	10/31/2012
B-29	Downgradient	Overburden	1391890.0	2201422.0	816.43	813.5	54.4	769.4	759.4	10	1/11/2013
B-31	Downgradient	Upper Bedrock	1392034.3	2200928.5	797.47	794.9	45.1	760.2	750.2	10	1/22/2013
B-41	Downgradient	Overburden	1390920.8	2201751.9	795.20	792.4	60.0	743.0	733.0	10	11/14/2012
B-50	Downgradient	Overburden	1391657.1	2201841.0	809.67	809.2	36.0	784.4	774.4	10	6/24/2016
B-51	Downgradient	Overburden	1390501.2	2200906.5	765.92	763.3	65.0	708.3	698.3	10	6/27/2016
B-52	Downgradient	Overburden	1392308.3	2201314.8	822.89	820.3	50.0	781.4	771.4	10	9/28/2016

TABLE 1
SUMMARY OF MONITORING WELL, ASSESSMENT WELL AND PIEZOMETER CONSTRUCTION DATA
 Georgia Power Company - Plant McDonough
 Atlanta, 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-54	Downgradient	Overburden/Upper Bedrock	1394423.5	2203140.7	785.46	782.6	34.2	758.8	748.8	10	9/26/2016
B-55	Downgradient	Overburden	1394142.6	2204147.9	825.12	822.9	52.0	781.9	771.9	10	9/22/2016
B-57	Downgradient	Upper Bedrock	1391396.3	2202736.9	789.04	786.0	50.5	746.0	736.0	10	9/24/2016
B-58	Downgradient	Overburden	1391125.7	2202426.5	788.17	785.2	45.0	750.7	740.7	10	9/23/2016
B-59	Downgradient	Overburden/Upper Bedrock	1394349.1	2203001.1	788.00	785.5	30.3	765.3	755.3	10	9/23/2016
B-60	Downgradient	Overburden	1391100.7	2202881.6	782.13	779.2	49.8	739.9	729.9	10	9/29/2016
B-61	Downgradient	Overburden	1390957.8	2202505.8	782.09	779.0	51.9	737.5	727.5	10	9/29/2016
B-64	Downgradient	Overburden	1394381.9	2203031.3	785.83	786.1	30.4	766.1	756.1	10	11/2/2016
B-65	Downgradient	Overburden/Upper Bedrock	1394381.2	2204050.8	821.95	822.3	45.4	787.9	777.9	10	11/15/2016
B-68	Downgradient	Overburden	1391298.2	2200714.2	758.68	759.0	18.0	751.0	741.0	10	3/16/2017
B-72	Downgradient	Overburden	1391242.2	2200723.9	758.85	758.09	21.9	746.6	736.6	10	4/19/2017
B-73	Downgradient	Overburden	1391352.4	2200697.5	759.46	758.85	15.8	753.5	743.5	10	4/19/2017
B-74	Downgradient	Overburden	1391279.8	2200665.3	759.44	758.96	16.5	748.2	743.2	5	4/25/2017
B-78	Downgradient	Overburden/Upper Bedrock	1394328.2	2202958.2	790.75	788.0	30	768.0	758.5	10	9/22/2019
B-79	Downgradient	Overburden	1394458.6	2203223.0	788.66	785.9	34.93	761.0	751.5	10	9/21/2019
B-80	Downgradient	Overburden	1394372.6	2203533.9	804.47	801.8	30	782.0	772.5	10	9/20/2019
B-81	Downgradient	Overburden	1394364.9	2203741.1	820.56	817.7	50	778.5	768.5	10	9/22/2019
B-84	Downgradient	Overburden	1390411.9	2202241.9	776.34	776.6	49.1	737.5	727.5	10	10/1/2019
B-85	Downgradient	Overburden/Upper Bedrock	1394433.4	2203134.5	782.54	782.7	34.5	758.5	748.5	10	11/18/2019
B-86	Downgradient	Overburden/Upper Bedrock	1394480.0	2203206.6	784.29	784.6	34.1	760.5	750.5	10	11/18/2019

TABLE 1
SUMMARY OF MONITORING WELL, ASSESSMENT WELL AND PIEZOMETER CONSTRUCTION DATA
 Georgia Power Company - Plant McDonough
 Atlanta, 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-87	Downgradient	Overburden	1394401.9	2203531.3	803.37	800.4	42	768.7	758.7	10	11/17/2019
B-89	Downgradient	Upper Bedrock	1394398.4	2204049.4	822.36	822.6	49.5	783.1	773.1	10	11/19/2019
B-94	Downgradient	Overburden	1394402.0	2203513.7	801.74	799.2	45.24	764.6	754.6	10	1/23/2020
B-103D	Downgradient	Upper Bedrock	1391543.5	2202614.4	795.96	793.8	70.00	733.8	723.8	10	10/15/2020
B-110D	Downgradient	Upper Bedrock	1391294.4	2200736.0	764.61	764.7	65.00	711.7	701.7	10	11/17/2020

Notes:

1. bgs = below ground surface
2. Coordinate System: NAD 1983 State Plane Georgia West (U.S. feet)
3. NAD - North American Datum; NAVD - North American Vertical Datum

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

Well ID	Hydraulic Location	Summary of Sampling Events		Status of Monitoring Well
		September 2021		
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	X		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
 Atlanta, Georgia

Well ID	Hydraulic Location	Summary of Sampling Events		Status of Monitoring Well
		September 2021		
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-109D	Downgradient	X		Assessment
B-111D	Downgradient	X		Assessment
B-115D	Downgradient	X		Assessment
B-120D	Downgradient	X		Assessment
ASH POND 2 and ASH PONDS 3/4 (AP-2 & 3/4) SUPPLEMENTAL SAMPLING				
B-116D	Upgradient	X		Supplemental
B-117D	Upgradient	X		Supplemental
B-118	Upgradient	X		Supplemental
B-119D	Upgradient	X		Supplemental

TABLE 3
SUMMARY OF GROUNDWATER ELEVATIONS
 Georgia Power Company - Plant McDonough
 Atlanta, Georgia

Well ID	Top of Casing Elevation (feet)	Groundwater Elevation (feet)
		10/27/2021
ASH POND 1 (AP-1) MONITORING WELLS		
DGWA-53	844.26	829.75
DGWA-70A	808.52	766.90
DGWA-71	863.84	835.19
DGWC-37	766.21	752.28
DGWC-38	757.43	751.08
DGWC-39	759.89	752.00
DGWC-40	779.06	760.54
DGWC-67	766.70	756.39
DGWC-68A	765.33	754.97
DGWC-69	763.75	757.55
ASH POND 2 and ASH PONDS 3/4 (AP-2, 3/4) MONITORING WELLS		
DGWA-53	844.26	829.75
DGWA-70A	808.52	766.90
DGWA-71	863.84	835.19
DGWC-2	850.88	820.66
DGWC-4	814.85	790.13
DGWC-5	791.75	781.04
DGWC-8	826.38	787.64
DGWC-9	824.35	798.22
DGWC-10	823.55	794.64
DGWC-11	800.57	785.55
DGWC-12	773.86	762.68
DGWC-13	794.10	760.25
DGWC-14	792.40	771.99
DGWC-15	824.50	784.44
DGWC-17	837.05	802.35
DGWC-19	825.46	800.23
DGWC-20	822.14	799.51
DGWC-21	816.28	799.93
DGWC-22	816.59	795.57
DGWC-23	818.37	795.74
DGWC-42	804.68	775.13
DGWC-47	797.45	777.86
DGWC-48	788.33	773.68

TABLE 3
SUMMARY OF GROUNDWATER ELEVATIONS
 Georgia Power Company - Plant McDonough
 Atlanta, Georgia

Well ID	Top of Casing Elevation (feet)	Groundwater Elevation (feet)
		10/27/2021
PIEZOMETERS		
B-3	837.78	801.63
B-6	789.47	783.05
B-7	809.16	784.50
B-16	826.47	792.85
B-18	826.56	803.08
B-24	822.11	804.48
B-25	836.54	818.52
B-26	853.60	825.71
B-27	NA	0.00
B-28	816.08	785.73
B-29	816.43	787.34
B-31	797.47	763.41
B-41	795.20	770.17
B-50	809.67	787.79
B-51	765.92	752.76
B-52	822.89	797.81
B-54	785.46	779.36
B-55	825.12	798.84
B-56	823.59	795.43
B-57	789.04	770.89
B-58	788.17	769.31
B-59	788.00	779.88
B-60	782.13	751.61
B-61	782.09	763.66
B-62	760.08	744.95
B-63	777.10	748.75
B-64	785.83	779.28
B-65	821.95	801.83
B-66	815.90	796.40
B-68	758.68	754.70
B-72	758.46	754.96
B-73	759.21	754.71
B-74	759.06	754.90
B-76	760.53	745.71
B-77	776.86	747.48
B-78	790.75	779.65
B-79	788.66	781.58
B-80	804.47	784.84
B-81	820.56	784.31

TABLE 3
SUMMARY OF GROUNDWATER ELEVATIONS
 Georgia Power Company - Plant McDonough
 Atlanta, Georgia

Well ID	Top of Casing Elevation (feet)	Groundwater Elevation (feet)
		10/27/2021
PIEZOMETERS		
B-82	810.07	793.97
B-83	776.98	746.58
B-84	776.34	745.42
B-85	782.54	779.14
B-86	784.29	782.10
B-87	803.37	784.94
B-88	820.07	783.58
B-89	822.36	796.56
B-90	784.00	781.97
B-91	782.98	779.18
B-92	785.08	779.36
B-93	789.07	780.57
B-94	801.74	784.86
B-95	784.00	781.90
B-96	784.92	778.88
B-97	786.29	779.84
B-98	789.67	780.15
B-99	782.39	778.63
B-100	777.95	744.70
B-101D	824.29	793.84
B-102D	823.42	791.56
B-103D	795.96	782.28
B-104D	787.90	780.44
B-105D	779.01	760.75
B-106D	826.21	787.01
B-107D	823.38	800.95
B-108D	821.13	800.27
B-109D	850.73	811.87
B-110D	764.61	755.69
B-111D	791.87	780.07
B-112D	765.58	757.86
B-113D	758.22	756.21
B-115D	789.17	768.96
B-116D	807.82	764.80
B-117D	863.82	834.63
B-118	807.70	756.15
B-119D	807.15	759.14
B-120D	836.42	801.72

Notes:

1. Elevation data recorded in feet North American Vertical Datum (NAVD)
2. Survey data for monitoring wells and piezometers provided by Metro Engineering.
3. Sitewide Groundwater elevations could not be measured at the start of the September 2021 sampling event due to significant rainfall that limited access to some well locations. Therefore, sitewide groundwater elevations were recorded in October 2021, after the completion of the semi-annual sampling event.

TABLE 4
GROUNDWATER VELOCITY CALCULATIONS - OCTOBER 2021
 Georgia Power Company - Plant McDonough Ash Pond 2 and 3/4
 Atlanta, 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	829.75	69.50	2550	0.027	0.00077	0.2	0.30	109
	760.25							
B-26/DGWC-48	825.71	52.03	2000	0.026	0.00077	0.2	0.28	104
	773.68							

Notes:

1. Δh = Change in groundwater elevation
2. Δl = Distance along flow path
3. $l = \Delta h / \Delta l$
4. Velocity = $(l * K)/n_e$
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
Ash Pond 2 and Ash Ponds 3/4 - September 2021
 Georgia Power Company - Plant McDonough
 Atlanta, 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
		9/9/2021	9/9/2021	9/8/2021	9/9/2021	9/10/2021	9/10/2021	9/13/2021	9/10/2021	9/10/2021	9/9/2021	9/9/2021	9/9/2021	9/9/2021
Appendix III														
BORON, TOTAL	mg/L	0.065	< 0.0086	< 0.0086	0.51	5.0	4.7	0.86	0.54	0.24	1.5	2.0	0.62	0.080
CALCIUM, TOTAL	mg/L	18.3	5.3	6.1	42.0	285	123	36.0	47.7	82.4	66.8	29.2	38.2	11.1
CHLORIDE, TOTAL	mg/L	1.8	1.9	5.9	2.1	13.9	9.9	8.2	9.0	8.2	13.6	8.5	12.9	3.3
FLUORIDE, TOTAL	mg/L	0.099 J	< 0.050	< 0.050	0.053 J	< 0.050	0.16	0.069 J	2.0	2.2	< 0.050	0.099 J	0.083 J	< 0.050
pH	S.U.	6.41	5.50	5.76	6.00	5.83	4.89	5.05	3.98	5.05	5.59	6.07	5.69	5.70
SULFATE, TOTAL	mg/L	11.9	< 0.50	6.1	110	823	449	145	264	271	247	126	127	42.3
TOTAL DISSOLVED SOLIDS	mg/L	131	53.0	75.0	260	1520	792	306	466	474	433	275	246	99.0
Appendix IV														
ANTIMONY, TOTAL	mg/L	< 0.00078	0.0015 J	< 0.00078	< 0.00078	< 0.00078	< 0.00078	< 0.00078	< 0.00078	< 0.00078	< 0.00078	< 0.00078	< 0.00078	< 0.00078
ARSENIC, TOTAL	mg/L	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	0.0031 J	< 0.0011	0.031	0.0076	< 0.0011	< 0.0011	< 0.0011	< 0.0011
BARIUM, TOTAL	mg/L	0.099	0.038	0.025	0.022	0.032	0.015	0.019	0.014	0.019	0.054	0.040	0.027	0.059
BERYLLIUM, TOTAL	mg/L	< 0.000054	0.000089 J	0.000091 J	< 0.000054	0.00028 J	0.0075	0.0015	0.0049	0.0074	0.00013 J	0.000084 J	0.000070 J	< 0.000054
CADMIUM, TOTAL	mg/L	< 0.00011	< 0.00011	< 0.00011	< 0.00011	0.00090	0.00093	0.0020	0.00053	0.00061	< 0.00011	< 0.00011	< 0.00011	< 0.00011
CHROMIUM, TOTAL	mg/L	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011
COBALT, TOTAL	mg/L	0.0064	< 0.00039	< 0.00039	0.0048 J	0.0019 J	0.022	0.028	0.21	0.076	0.00081 J	0.034	< 0.00039	< 0.00039
FLUORIDE, TOTAL	mg/L	0.099 J	< 0.050	< 0.050	0.053 J	< 0.050	0.16	0.069 J	2.0	2.2	< 0.050	0.099 J	0.083 J	< 0.050
LEAD, TOTAL	mg/L	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089
LITHIUM, TOTAL	mg/L	0.0091 J	< 0.00073	0.0013 J	0.024 J	0.0035 J	0.0071 J	0.0034 J	0.027 J	0.0051 J	0.0029 J	< 0.00073	0.0036 J	0.0044 J
MERCURY, TOTAL	mg/L	< 0.000078	< 0.000078	0.000096 J	< 0.000078	0.00013 J	0.00030	< 0.000078	0.00014 J	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078
MOLYBDENUM, TOTAL	mg/L	0.025	< 0.00074	< 0.00074	0.0023 J	0.0052 J	< 0.00074	< 0.00074	< 0.00074	< 0.00074	< 0.00074	< 0.00074	0.011	< 0.00074
RADIUM (226 + 228)	pCi/L	2.72	0.779	0.0510	1.22 U	1.46	1.15	0.916 U	1.28	0.882 U	1.20 U	1.78	1.23 U	0.643 U
SELENIUM, TOTAL	mg/L	< 0.0014	< 0.0014	< 0.0014	0.0031 J	< 0.0014	0.0099	< 0.0014	0.057	0.034	< 0.0014	< 0.0014	0.0060	0.0017 J
THALLIUM, TOTAL	mg/L	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	0.00019 J	0.00040 J	0.00027 J	< 0.00018	< 0.00018	< 0.00018	< 0.00018

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. 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
Ash Pond 2 and Ash Ponds 3/4 - September 2021
 Georgia Power Company - Plant McDonough
 Atlanta, 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-56
		9/9/2021	9/13/2021	9/9/2021	9/10/2021	9/9/2021	9/10/2021	9/9/2021	9/13/2021	9/10/2021	9/10/2021	9/13/2021	9/9/2021	9/13/2021
Appendix III														
BORON, TOTAL	mg/L	1.6	0.78	2.7	4.8	5.8	4.5	4.7	0.95	0.16	0.55	1.5	0.068	1.5
CALCIUM, TOTAL	mg/L	34.4	15.8	93.6	69.8	75.3	62.3	76.4	38.9	24.4	68.7	15.2	29.2	15.2
CHLORIDE, TOTAL	mg/L	21.9	18.2	25.4	26.2	20.2	17.3	12.3	17.1	2.4	10.9	7.1	5.8	7.1
FLUORIDE, TOTAL	mg/L	< 0.050	0.063 J	0.18	0.25	< 0.050	< 0.050	0.084 J	< 0.050	0.22	0.47	0.20	0.14	0.20
pH	S.U.	5.83	5.06	4.82	4.67	5.73	5.65	6.00	5.15	4.10	4.30	4.69	6.31	4.69
SULFATE, TOTAL	mg/L	139	222	315	399	238	234	217	285	123	272	189	49.2	189
TOTAL DISSOLVED SOLIDS	mg/L	292	424	480	678	396	468	455	508	274	532	321	174	321
Appendix IV														
ANTIMONY, TOTAL	mg/L	< 0.00078	< 0.00078	< 0.00078	< 0.00078	< 0.00078	< 0.00078	< 0.00078	< 0.00078	< 0.00078	0.0018 J	< 0.00078	< 0.00078	< 0.00078
ARSENIC, TOTAL	mg/L	< 0.0011	< 0.0011	0.0027 J	0.0083	< 0.0011	< 0.0011	< 0.0011	< 0.0011	0.0016 J	< 0.0011	0.0031 J	< 0.0011	0.0031 J
BARIUM, TOTAL	mg/L	0.041	0.031	0.025	0.0098	0.023	0.027	0.021	0.014	0.021	0.013	0.026	0.021	0.026
BERYLLIUM, TOTAL	mg/L	< 0.000054	0.00052	0.0022	0.0024	0.00018 J	0.00014 J	0.00050 J	0.0024	0.0090	0.0070	0.0012	0.00014 J	0.0012
CADMIUM, TOTAL	mg/L	< 0.00011	0.00023 J	0.00037 J	0.0012	0.00012 J	0.00061	0.00019 J	0.00042 J	0.0014	0.0028	0.00028 J	< 0.00011	0.00028 J
CHROMIUM, TOTAL	mg/L	< 0.0011	0.0027 J	0.0030 J	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011
COBALT, TOTAL	mg/L	0.0016 J	0.019	0.055	0.45	0.0096	0.0076	0.00049 J	0.0080	0.23	0.36	0.047	< 0.00039	0.047
FLUORIDE, TOTAL	mg/L	< 0.050	0.063 J	0.18	0.25	< 0.050	< 0.050	0.084 J	< 0.050	0.22	0.47	0.20	0.14	0.20
LEAD, TOTAL	mg/L	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	0.00099 J	< 0.00089	< 0.00089	< 0.00089
LITHIUM, TOTAL	mg/L	0.0057 J	< 0.00073	0.0035 J	0.0023 J	0.0060 J	0.0039 J	0.0081 J	0.015 J	0.053	0.095	0.0055 J	0.0094 J	0.0055 J
MERCURY, TOTAL	mg/L	< 0.000078	0.000086 J	< 0.000078	< 0.000078	< 0.000078	0.00011 J	0.00011 J	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078
MOLYBDENUM, TOTAL	mg/L	< 0.00074	< 0.00074	< 0.00074	< 0.00074	< 0.00074	< 0.00074	0.010	< 0.00074	< 0.00074	< 0.00074	< 0.00074	< 0.00074	< 0.00074
RADIUM (226 + 228)	pCi/L	0.624 U	0.850 U	0.239 U	0.689 U	0.702 U	0.616 U	1.81	1.15 U	2.32	2.21	0.854 U	1.70	0.854 U
SELENIUM, TOTAL	mg/L	< 0.0014	0.0071	0.0083	0.031	< 0.0014	< 0.0014	< 0.0014	< 0.0014	0.0035 J	0.0022 J	0.011	< 0.0014	0.011
THALLIUM, TOTAL	mg/L	< 0.00018	< 0.00018	0.00056 J	0.00052 J	< 0.00018	< 0.00018	< 0.00018	< 0.00018	0.00036 J	< 0.00018	0.00024 J	< 0.00018	0.00024 J

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. 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
Ash Pond 2 and Ash Ponds 3/4 - September 2021
 Georgia Power Company - Plant McDonough
 Atlanta, Georgia

Analyte	Units	ASSESSMENT MONITORING 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
		9/13/2021	9/9/2021	9/14/2021	9/14/2021	9/14/2021	9/14/2021	9/16/2021	9/13/2021	9/15/2021	9/15/2021	9/15/2021	9/15/2021	9/13/2021
Appendix III														
BORON, TOTAL	mg/L	1.5	0.068	0.35	2.1	0.29	0.78	0.30	2.0	2.3	3.1	3.3	2.6	0.24
CALCIUM, TOTAL	mg/L	15.2	29.2	22.7	60.9	17.0	33.4	39.4	80.5	110	129	178	105	51.5
CHLORIDE, TOTAL	mg/L	7.1	5.8	7.1	8.9	4.7	9.5	2.6	8.2	10.4	13.2	18.8	29.9	11.1
FLUORIDE, TOTAL	mg/L	0.20	0.14	0.16	0.22	0.078 J	0.052 J	0.066 J	< 0.050	0.18	0.34	0.085 J	0.098 J	< 0.050
pH	S.U.	4.69	6.31	5.46	5.54	6.42	5.15	5.58	5.68	4.55	4.60	5.49	5.40	5.27
SULFATE, TOTAL	mg/L	189	49.2	73.2	268	2.5	326	106	321	384	478	551	325	351
TOTAL DISSOLVED SOLIDS	mg/L	321	174	170	490	94.0	536	223	572	612	812	892	524	636
Appendix IV														
ANTIMONY, TOTAL	mg/L	< 0.00078	< 0.00078	< 0.00078	< 0.00078	< 0.00078	< 0.00078	< 0.00078	< 0.00078	< 0.00078	< 0.00078	< 0.00078	< 0.00078	< 0.00078
ARSENIC, TOTAL	mg/L	0.0031 J	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	0.0012 J	< 0.0011	< 0.0011	< 0.0011	< 0.0011
BARIUM, TOTAL	mg/L	0.026	0.021	0.026	0.018	0.12	0.022	0.030	0.016	0.015	0.016	0.020	0.082	0.021
BERYLLIUM, TOTAL	mg/L	0.0012	0.00014 J	0.00042 J	< 0.000054	< 0.000054	0.0017	0.00028 J	0.0010	0.014	0.015	0.0016	0.00087	0.00053
CADMIUM, TOTAL	mg/L	0.00028 J	< 0.00011	0.00025 J	< 0.00011	< 0.00011	0.00070	0.00030 J	0.0013	0.00096	0.00088	0.00056	0.00030 J	0.00029 J
CHROMIUM, TOTAL	mg/L	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	0.0030 J	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011
COBALT, TOTAL	mg/L	0.047	< 0.00039	0.037	0.012	< 0.00039	0.0015 J	0.011	0.0018 J	0.063	0.062	0.0030 J	0.0048 J	0.035
FLUORIDE, TOTAL	mg/L	0.20	0.14	0.16	0.22	0.078 J	0.052 J	0.066 J	< 0.050	0.18	0.34	0.085 J	0.098 J	< 0.050
LEAD, TOTAL	mg/L	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089
LITHIUM, TOTAL	mg/L	0.0055 J	0.0094 J	0.0064 J	< 0.00073	< 0.00073	0.0010 J	0.0021 J	0.0017 J	0.012 J	0.011 J	0.0042 J	0.0012 J	0.0022 J
MERCURY, TOTAL	mg/L	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	0.00017 J	0.000098 J	< 0.000078	< 0.000078	< 0.000078
MOLYBDENUM, TOTAL	mg/L	< 0.00074	< 0.00074	< 0.00074	< 0.00074	< 0.00074	< 0.00074	< 0.00074	< 0.00074	< 0.00074	< 0.00074	< 0.00074	< 0.00074	< 0.00074
RADIUM (226 + 228)	pCi/L	0.854 U	1.70	1.68	0.421 U	0.617 U	1.03 U	0.442 U	0.771 U	1.39	1.84	2.11	2.20	0.774 U
SELENIUM, TOTAL	mg/L	0.011	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	0.025	0.0021 J	0.0067	0.0076	0.0024 J	0.0033 J	< 0.0014
THALLIUM, TOTAL	mg/L	0.00024 J	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018

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. 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
Ash Pond 2 and Ash Ponds 3/4 - September 2021
 Georgia Power Company - Plant McDonough
 Atlanta, Georgia

Analyte	Units	ASSESSMENT MONITORING WELLS										BACKGROUND MONITORING WELLS			
		B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D	B-120D	B-116D	B-117D	B-118	B-119D
		9/13/2021	9/10/2021	9/14/2021	9/13/2021	9/13/2021	9/14/2021	9/10/2021	9/14/2021	9/14/2021	9/14/2021	9/9/2021	9/8/2021	9/8/2021	9/8/2021
BORON, TOTAL	mg/L	1.6	2.5	0.23	1.3	10.7	6.8	0.41	0.32	0.61	1.7	< 0.0086	< 0.0086	< 0.0086	0.018 J
CALCIUM, TOTAL	mg/L	53.6	84.7	151	42.1	83.6	83.3	42.1	98.4	63.0	162	9.9	11.3	5.0	20.2
CHLORIDE, TOTAL	mg/L	8.7	10.2	7.9	7.0	11.7	28.8	4.8	27.3	9.0	6.1	2.7	6.0	3.0	7.5
FLUORIDE, TOTAL	mg/L	0.051 J	0.083 J	0.50	0.052 J	< 0.050	< 0.050	0.15	0.57	1.0	< 0.050	< 0.050	0.058 J	< 0.050	0.16
pH	S.U.	6.07	5.36	8.58	5.91	5.88	5.81	6.86	7.29	5.38	5.30	6.02	6.00	6.01	6.88
SULFATE, TOTAL	mg/L	174	271	456	147	275	299	93.2	243	278	552	0.73 J	31.1	0.99 J	76.2
TOTAL DISSOLVED SOLI	mg/L	343	474	776	296	567	576	284	586	499	882	93.0	152	65.0	191
Appendix IV															
ANTIMONY, TOTAL	mg/L	0.0010 J	< 0.00078	< 0.00078	< 0.00078	< 0.00078	< 0.00078	0.0040	< 0.00078	< 0.00078	< 0.00078	< 0.00078	< 0.00078	< 0.00078	0.00087 J
ARSENIC, TOTAL	mg/L	< 0.0011	< 0.0011	0.0019 J	< 0.0011	< 0.0011	< 0.0011	< 0.0011	0.0029 J	0.0018 J	< 0.0011	< 0.0011	< 0.0011	0.0011 J	0.0014 J
BARIUM, TOTAL	mg/L	0.076	0.020	0.021	0.020	0.087	0.060	0.022	0.043	0.016	0.031	0.017	0.048	0.021	0.0080
BERYLLIUM, TOTAL	mg/L	0.000067 J	0.0011	0.0011	0.00013 J	< 0.000054	< 0.000054	< 0.000054	< 0.000054	0.011	0.00087	< 0.000054	< 0.000054	< 0.000054	< 0.000054
CADMIUM, TOTAL	mg/L	< 0.00011	0.00083	< 0.00011	0.00024 J	< 0.00011	< 0.00011	< 0.00011	< 0.00011	0.00035 J	0.0011	< 0.00011	< 0.00011	< 0.00011	< 0.00011
CHROMIUM, TOTAL	mg/L	0.0014 J	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011
COBALT, TOTAL	mg/L	0.0030 J	0.013	0.10	0.00056 J	0.00083 J	0.0017 J	< 0.00039	< 0.00039	0.28	0.0055	< 0.00039	0.00043 J	< 0.00039	0.00077 J
FLUORIDE, TOTAL	mg/L	0.051 J	0.083 J	0.50	0.052 J	< 0.050	< 0.050	0.15	0.57	1.0	< 0.050	< 0.050	0.058 J	< 0.050	0.16
LEAD, TOTAL	mg/L	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089
LITHIUM, TOTAL	mg/L	0.011 J	0.012 J	0.036	0.0056 J	0.014 J	0.015 J	0.013 J	0.029 J	0.085	0.077	0.0055 J	0.0069 J	0.0028 J	0.0028 J
MERCURY, TOTAL	mg/L	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078
MOLYBDENUM, TOTAL	mg/L	< 0.00074	< 0.00074	< 0.00074	< 0.00074	< 0.00074	< 0.00074	0.0011 J	0.013	< 0.00074	< 0.00074	< 0.00074	< 0.00074	0.0056 J	0.022
RADIUM (226 + 228)	pCi/L	1.80	1.74	9.60	0.625 U	0.813 U	0.917 U	9.45	4.39	11.9	3.68	0.887 U	0.695 U	0.0324 U	0.168 U
SELENIUM, TOTAL	mg/L	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	0.0041 J	0.0022 J	< 0.0014	< 0.0014	< 0.0014	< 0.0014
THALLIUM, TOTAL	mg/L	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018

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. 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
Ash Pond 2 and 3/4 - September 2021
 Georgia Power Company - Plant McDonough
 Atlanta, Georgia

Analyte	Units	SURFACE WATER SAMPLES						
		CR+0.4	CR+0.2	Dewatering Downstream	Dewatering Upstream	CR-0.1	CR-0.2	CR-0.5
		9/7/2021	9/7/2021	9/7/2021	9/7/2021	9/7/2021	9/7/2021	9/7/2021
Appendix III								
Boron	mg/L	< 0.040	< 0.040	< 0.040	0.073	< 0.040	0.046	< 0.040
Calcium	mg/L	6.7	6.6	7.3	6.7	6.6	6.6	6.5
Chloride	mg/L	9.9	9.7	9.8	9.9	9.8	9.8	9.6
Fluoride	mg/L	0.14	0.14	0.14	0.14	0.14	0.13	0.14
Sulfate	mg/L	7.0	6.4	10.4	6.5	8.0	7.3	6.3
Total Dissolved Solids	mg/L	77.0	73.0	83.0	82.0	78.0	77.0	75.0
Appendix IV								
Arsenic	mg/L	< 0.0050	< 0.0050	--	--	--	< 0.0050	< 0.0050
Cobalt	mg/L	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Molybdenum	mg/L	< 0.010	< 0.010	--	--	--	--	--
Selenium	mg/L	--	--	--	--	--	< 0.0050	< 0.0050
Major Ions								
Alkalinity, Total as CaCO ₃	mg/L	26.6	26.9	26.4	28.0	26.8	27.5	27.1
Alkalinity, Bicarbonate (CaCO ₃)	mg/L	26.6	26.9	26.4	28.0	26.8	27.5	27.1
Magnesium	mg/L	2.9	2.7	2.9	2.8	2.7	2.8	2.6
Potassium	mg/L	3.4	3.3	3.2	3.4	3.2	3.3	3.1
Sodium	mg/L	10.0	9.9	9.6	10.1	9.4	9.7	9.2

Notes:

mg/L = milligrams per liter; ug/L - micrograms per liter; S. U. - Standard Units

< 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
 Atlanta, Georgia

Analyte	Units	Maximum Contaminant Level (MCL)	Rule Specified Limit	Site Specific Background September 2021 ^[1]	Federal GWPS ^[2]	State GWPS ^[3]
Antimony	mg/L	0.006	--	0.003 ^[4]	0.006	0.006
Arsenic	mg/L	0.01	--	0.005 ^[4]	0.01	0.01
Barium	mg/L	2	--	0.19	2	2
Beryllium	mg/L	0.004	--	0.0009	0.004	0.004
Cadmium	mg/L	0.005	--	0.0005 ^[4]	0.005	0.005
Chromium	mg/L	0.1	--	0.005 ^[4]	0.1	0.1
Cobalt	mg/L	NA	0.006	0.032	0.032	0.032
Fluoride	mg/L	4	--	0.42	4	4
Lead	mg/L	NA	0.015	0.001 ^[4]	0.015	0.001
Lithium	mg/L	NA	0.04	0.03 ^[4]	0.04	0.03
Mercury	mg/L	0.002	--	0.0002 ^[4]	0.002	0.002
Molybdenum	mg/L	NA	0.1	0.041	0.1	0.041
Radium (226 + 228)	pCi/L	5	--	5.61	5.61	5.61
Selenium	mg/L	0.05	--	0.005 ^[4]	0.05	0.05
Thallium	mg/L	0.002	--	0.001 ^[4]	0.002	0.002

Notes:

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

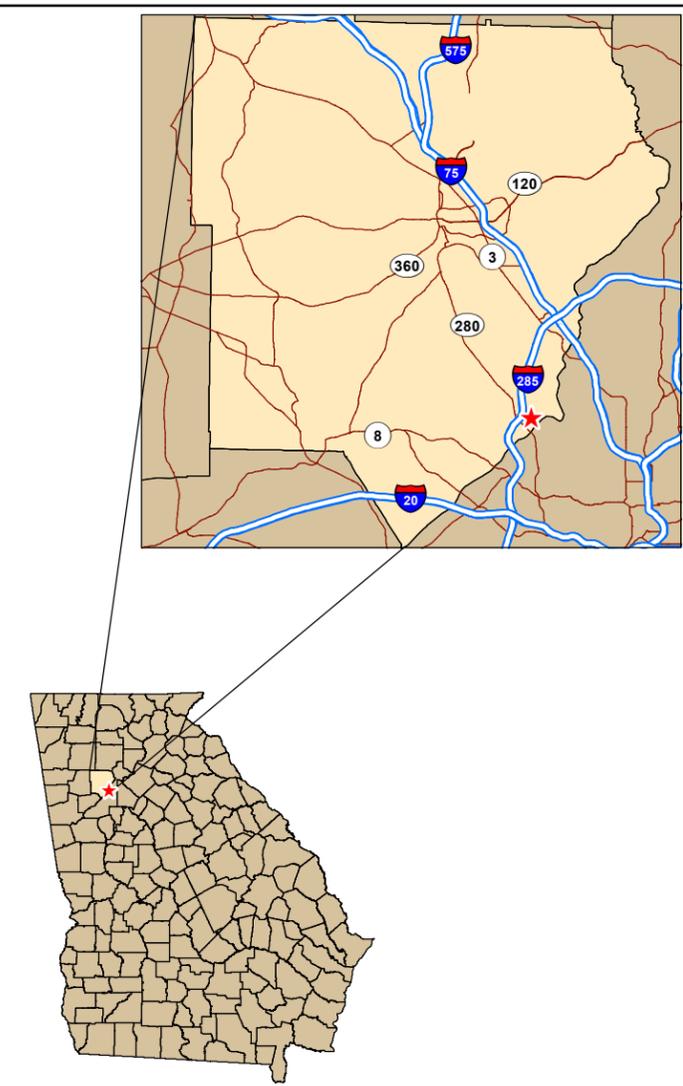
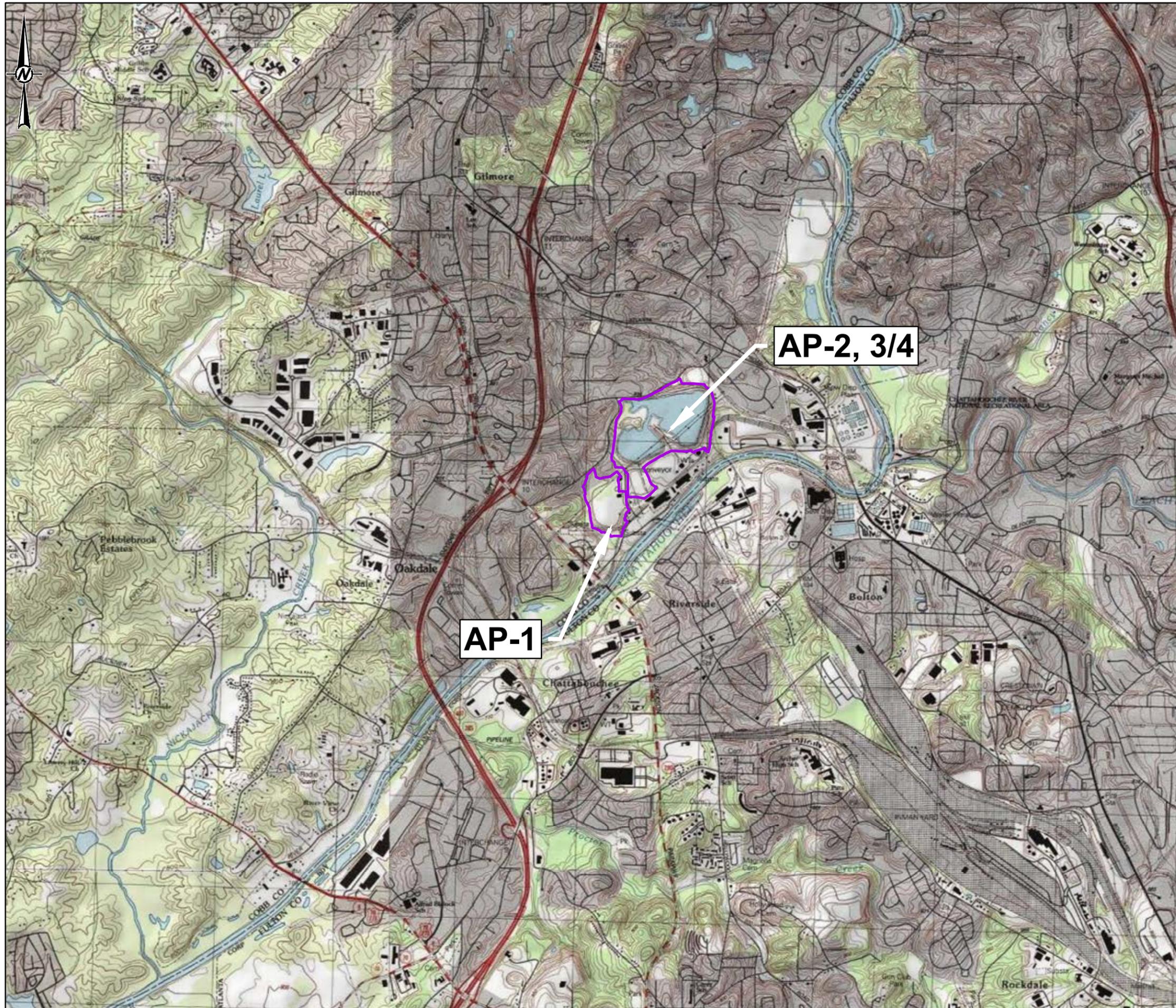
[1] The background limits are used when determining the groundwater protection standard (GWPS) under 40 CFR § 257.95(h) and 391-3-4-.10(6)(a).

[2] Under Federal CCR rules, the GWPS is: (i) the MCL or RSL, (ii) where the MCL or RSL is not established, the background concentration, or (iii) background levels for constituents where the background level is higher than the MCL or RSL.

[3] Under existing EPD rules, the GWPS is: (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.

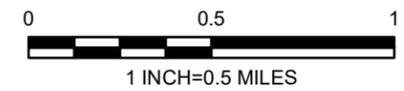
[4] The background tolerance limit (TL) used to evaluate GWPS for this analyte equals the laboratory specified reporting limit (RL). Per the Statistical Analysis Plan, and in accordance with the Unified Guidance, a non-parametric limit approach was used when the data set contains greater than 50% non-detect results for this analyte. Under this approach, the TL equals the highest value reported, for which is the laboratory RL. We also note that the values reported herein have been updated from the previously established GWPS which was determined based on estimated data. The modified GWPS also reflects additional outlier identification.

Figures



REFERENCE

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



CLIENT
 GEORGIA POWER COMPANY PLANT
 MCDONOUGH-ATKINSON



PROJECT
 2021 SEMI-ANNUAL GROUNDWATER MONITORING AND
 CORRECTIVE ACTION REPORT-ASH POND 2 AND 3/4

TITLE
SITE LOCATION MAP

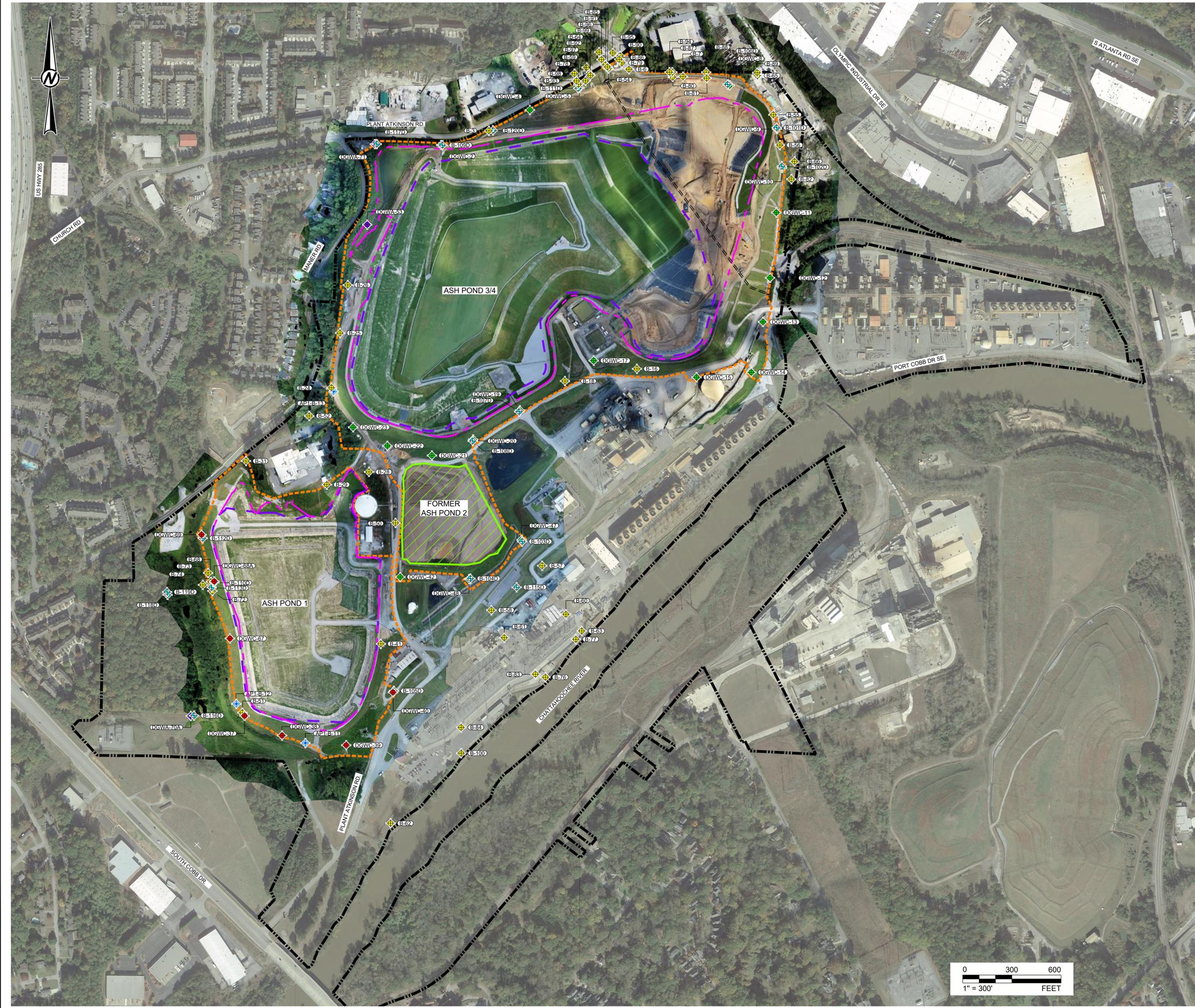
CONSULTANT	YYYY-MM-DD	2019-1-31
	PREPARED	SEB
	DESIGN	SEB
	CHECKED	DP
	REVIEWED/APPROVED	RPK

PROJECT No.
 166849621

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
- UPGRADIENT WELL
- AP-1 MONITORING WELL
- AP-2, 3/4 MONITORING WELL
- PIEZOMETER
- GOLDER 2017 BORINGS
- GOLDER 2021 PIEZOMETERS (SEE REFERENCE 3)
- AREA WHERE ASH HAS BEEN CERTIFIED REMOVED AS OF 2/28/2022

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 Q1 2017. COMPLETION OF FINAL POST COVER CONSTRUCTION ACTIVITIES AND IMPROVEMENTS INCLUDING A PLANNED BARRIER WALL AT AP-1 ARE EXPECTED BY 2023. 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 Q1 OF 2017, AND BACKFILL DEVELOPMENT OF AP-2 WAS STARTED IN 2020 AND IS EXPECTED TO BE COMPLETE IN 2021. CLOSURE ACTIVITIES FOR AP-3 AND AP-4 WERE INITIATED IN JANUARY 2016. AP-3 AND AP-4 ARE CURRENTLY UNDERGOING CLOSURE AS COMBINED UNIT AP-3/4, AND CLOSURE CONSTRUCTION ACTIVITIES ARE EXPECTED TO BE COMPLETE IN 2022.

REFERENCES

- APPROXIMATE PROPERTY BOUNDARY PROVIDED BY SOUTHERN COMPANY SERVICES (2017).
- THE AERIAL IMAGERY FOR THE ASH PONDS 2 THROUGH 4 AREAS PROVIDED BY COOPER, BARNETTE & PAGE (CBP). THE DATE OF THE PROPELLOR AERIAL IMAGERY PROVIDED AND SHOWN ON THIS PLAN, FOR AP- 2 THROUGH 4 IS OCTOBER 08, 2021.
- THE AERIAL IMAGERY FOR THE ASH PONDS 1 AREA PROVIDED BY CBP. THE DATE OF THE PROPELLOR AERIAL IMAGERY PROVIDED AND SHOWN ON THIS PLAN IS AUGUST 04, 2021.
- 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).
- AERIAL IMAGERY FOR THE SURROUNDING AREAS OF ASH PONDS 1 THROUGH 4 SOURCE: GOOGLE EARTH © PRO 2010, IMAGE DATED 09/5/2019. IMAGE GEORECTIFIED BY GOLDER AND INTENDED FOR INDICATIVE PURPOSES ONLY.

REV	DATE	REVISION DESCRIPTION	DES	CADD	CHK	RWV
	2022/02/10	UPDATE AERIAL IMAGING AND TOPOGRAPHY	SB	CRP	DLP	GLH
	2021/08/25	ISSUE	CCP	CRP	DLP	GLH

CLIENT
GEORGIA POWER COMPANY
PLANT MCDONOUGH - ATKINSON

PROJECT
2021 SEMI-ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTIONS REPORT ASH POND 2 & ASH POND 3/4

TITLE
PLANT MCDONOUGH CCR REMOVAL AREA

CONSULTANT	YYYY-MM-DD	2021/08/25
GOLDER MEMBER OF WSP	DESIGNED	CCP
	PREPARED	CRP
	CHECKED	DLP
	REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 REV. FIGURE 2

1 in

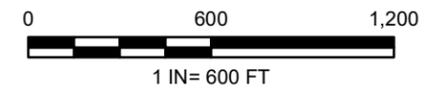


- LEGEND**
- AP-1 MONITORING WELL
 - AP-2,3/4 MONITORING WELL
 - UPGRADIENT WELL
 - ASSESSMENT MONITORING WELLS
 - PIEZOMETER
 - DEWATERING WELL
 - SURFACE WATER MONITORING LOCATION
 - TEST PIT LOCATIONS
 - STAFF GAUGE
 - PROPERTY BOUNDARY
 - PERMIT BOUNDARY

NOTES
 1. ALL LOCATIONS AND BOUNDARIES ARE APPROXIMATE.

REFERENCE

1. AERIAL IMAGE DATED NOVEMBER 2019 FROM GOOGLE EARTH AND AUGUST 04, 2021 AND OCTOBER 08, 2021 FROM COOPER, BARNETTE & PAGE, INC. (CBP).
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.



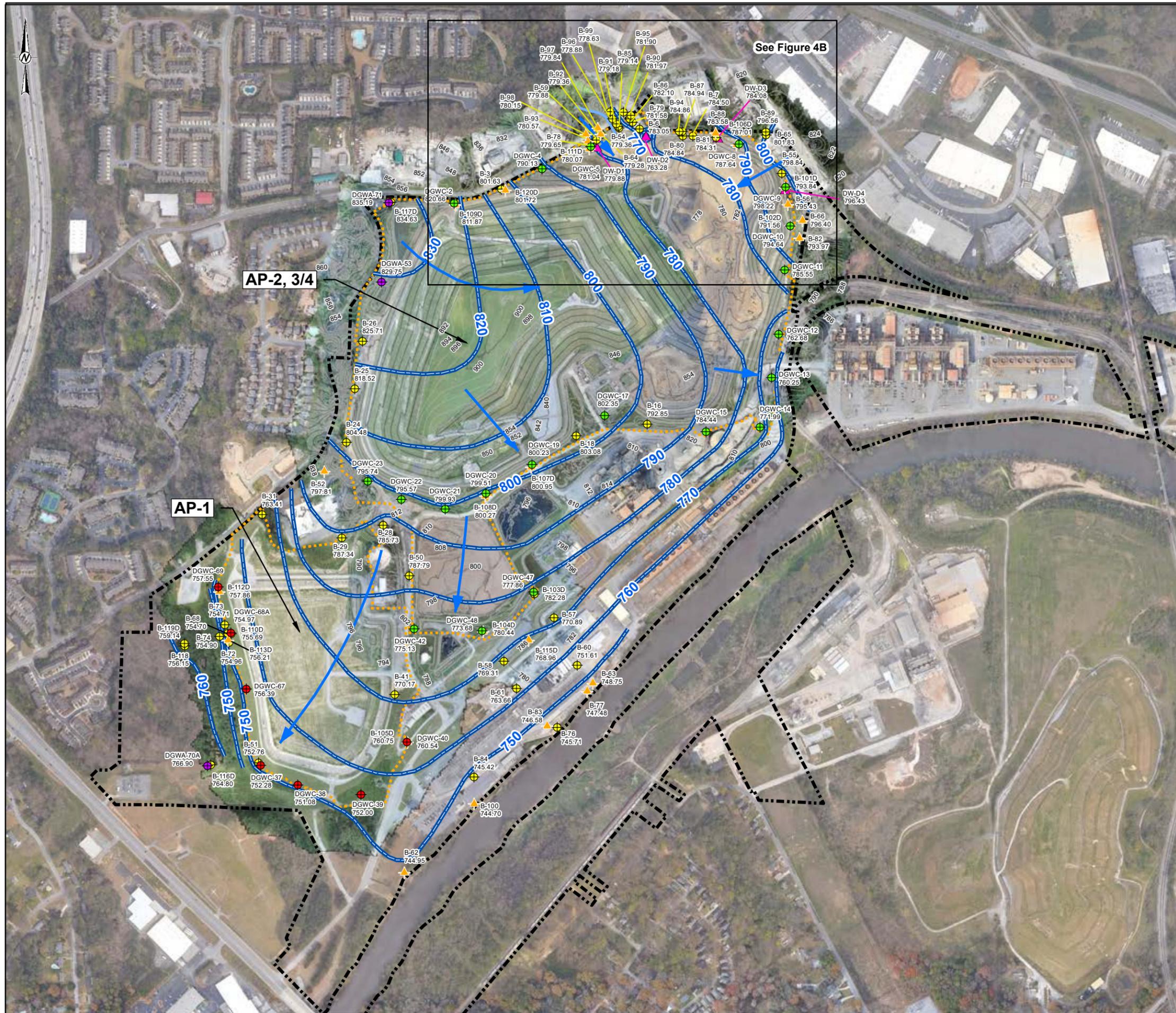
CLIENT
 GEORGIA POWER COMPANY
 PLANT MCDONOUGH



PROJECT
 2021 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	2022-02-02
	PREPARED	DJC
	DESIGN	DLP
	CHECKED	DP/RPK
	REVIEWED/APPROVED	RPK



LEGEND

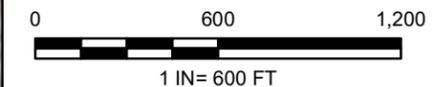
- ◆ AP-1 MONITORING WELL
- ◆ AP-2,3/4 MONITORING WELL
- ◆ UPGRADIENT WELL
- ▲ ASSESSMENT MONITORING WELLS
- ◆ PIEZOMETER
- ▲ DEWATERING WELL
- APPROXIMATE GROUNDWATER FLOW DIRECTION
- GROUNDWATER SURFACE CONTOUR (FT-NAVD)
- SURFACE WATER STREAM
- - - PERMIT BOUNDARY
- - - PROPERTY BOUNDARY
- EXISTING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

NOTES

1. ALL LOCATIONS AND BOUNDARIES ARE APPROXIMATE.
2. GROUNDWATER ELEVATION MEASUREMENTS OBTAINED OCTOBER 27, 2021 BY GOLDER ASSOCIATES.
3. GROUNDWATER ELEVATIONS DISPLAYED IN FEET REFERENCED TO NORTH AMERICAN VERTICAL DATUM (FT NAVD).
4. WELLS THAT CONTAIN A "D" DESIGNATION FOLLOWING THE NUMBER ARE DEEP WELLS AND ELEVATIONS ARE NOT USED FOR CONTOURING.

REFERENCE

1. AERIAL IMAGE DATED NOVEMBER 2019 FROM GOOGLE EARTH AND AUGUST 04, 2021 AND OCTOBER 08, 2021 FROM COOPER, BARNETTE & PAGE, INC. (CBP).
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



PROJECT
 2021 SEMI-ANNUAL GROUNDWATER MONITORING AND
 CORRECTIVE ACTION REPORT-ASH POND 2 AND 3/4

TITLE
SITE POTENTIOMETRIC MAP – OCTOBER 27, 2021

CONSULTANT	DATE	REVISION
	YYYY-MM-DD	2021-10-29
	PREPARED	SEB
	DESIGN	SEB
	CHECKED	BAS
	REVIEWED/APPROVED	RPK

APPENDIX A

**Field Data Forms, Instrument Calibration Forms and
Well Inspection Forms**

APPENDIX A

Field Data Forms

Low-Flow Test Report:

Test Date / Time: 9/9/2021 12:28:47 PM

Project: Plant McDonough

Operator Name: Jude Waguespack

Location Name: DGWA-53 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 26.84 ft Total Depth: 36.84 ft Initial Depth to Water: 13.75 ft	Pump Type: Peristaltic Tubing Type: Polyethylene Pump Intake From TOC: 31 ft Estimated Total Volume Pumped: 22.71 L Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 0.85 ft	Instrument Used: Aqua TROLL 400 Serial Number: 843593
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Test Notes:

DGWA-53 purged dry, and was sampled following recovery after 24-hours.

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	
9/9/2021 12:28 PM	00:00	6.41 pH	24.27 °C	197.99 µS/cm	1.50 mg/L	4.50 NTU	14.7 mV	14.60 ft	100.00 ml/min
9/9/2021 12:29 PM	01:00	6.41 pH	23.38 °C	198.00 µS/cm	1.41 mg/L	4.50 NTU	16.7 mV	14.60 ft	100.00 ml/min
9/9/2021 12:30 PM	02:00	6.40 pH	22.38 °C	200.14 µS/cm	1.37 mg/L	4.50 NTU	16.1 mV	14.60 ft	100.00 ml/min

Samples

Sample ID:	Description:
DGWA-53	

Low-Flow Test Report:

Test Date / Time: 9/9/2021 2:36:19 PM

Project: Plant McDonough (4)

Operator Name: D Fulton

Location Name: DGWA-70A Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 52.41 ft Total Depth: 62.41 ft Initial Depth to Water: 40.75 ft	Pump Type: Dedicated Tubing Type: Polyethylene Pump Intake From TOC: 57 ft Estimated Total Volume Pumped: 6.25 liter Flow Cell Volume: 90 ml Final Flow Rate: 300 ml/min Final Draw Down: 0.82 ft	Instrument Used: Aqua TROLL 400 Serial Number: 850767
---	--	--

Test Notes:

Weather Conditions:

Clear, 84

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	
9/9/2021 2:36 PM	00:00	5.53 pH	21.22 °C	62.61 µS/cm	5.67 mg/L	1.24 NTU	153.9 mV	41.53 ft	350.00 ml/min
9/9/2021 2:41 PM	05:00	5.49 pH	18.52 °C	63.87 µS/cm	4.83 mg/L	0.36 NTU	98.2 mV	41.55 ft	300.00 ml/min
9/9/2021 2:46 PM	10:00	5.49 pH	18.48 °C	66.22 µS/cm	4.85 mg/L	0.54 NTU	91.9 mV	41.57 ft	300.00 ml/min
9/9/2021 2:51 PM	15:00	5.50 pH	18.21 °C	67.21 µS/cm	4.88 mg/L	0.62 NTU	90.6 mV	41.57 ft	300.00 ml/min
9/9/2021 2:56 PM	20:00	5.50 pH	18.30 °C	67.29 µS/cm	4.91 mg/L	0.65 NTU	90.7 mV	41.57 ft	300.00 ml/min

Samples

Sample ID:	Description:
DGWA-70A	

Low-Flow Test Report:

Test Date / Time: 9/8/2021 12:55:50 PM

Project: Plant McDonough (2)

Operator Name: Erik Rheams

Location Name: DGWA-71 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 37.79 ft Total Depth: 47.79 ft Initial Depth to Water: 27.76 ft	Pump Type: Dedicated Tubing Type: Polyethylene Pump Intake From TOC: 42.79 ft Estimated Total Volume Pumped: 22990 ml Flow Cell Volume: 90 ml Final Flow Rate: 220 ml/min Final Draw Down: 0.46 ft	Instrument Used: Aqua TROLL 400 Serial Number: 850751
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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 %	+/- 5	+/- 10	+/- 0.3	
9/8/2021 12:55 PM	00:00	7.67 pH	32.77 °C	0.00 µS/cm	6.32 mg/L	2.06 NTU	-47.1 mV	27.76 ft	220.00 ml/min
9/8/2021 1:00 PM	05:00	6.25 pH	24.97 °C	0.00 µS/cm	6.91 mg/L	2.17 NTU	-632.9 mV	28.22 ft	220.00 ml/min
9/8/2021 1:05 PM	10:00	6.08 pH	22.47 °C	0.00 µS/cm	6.37 mg/L	2.27 NTU	-283.1 mV	28.22 ft	220.00 ml/min
9/8/2021 1:10 PM	15:00	6.13 pH	21.45 °C	0.00 µS/cm	6.51 mg/L	1.45 NTU	93.6 mV	28.22 ft	220.00 ml/min
9/8/2021 1:15 PM	20:00	5.81 pH	20.07 °C	81.38 µS/cm	3.40 mg/L	1.62 NTU	192.2 mV	28.22 ft	220.00 ml/min
9/8/2021 1:20 PM	25:00	5.75 pH	19.58 °C	78.19 µS/cm	3.00 mg/L	2.74 NTU	176.0 mV	28.22 ft	220.00 ml/min
9/8/2021 1:25 PM	30:00	5.74 pH	19.44 °C	76.03 µS/cm	2.01 mg/L	3.54 NTU	163.5 mV	28.22 ft	220.00 ml/min
9/8/2021 1:45 PM	49:30	5.74 pH	19.51 °C	73.59 µS/cm	3.91 mg/L	2.32 NTU	131.9 mV	28.22 ft	220.00 ml/min
9/8/2021 1:50 PM	54:30	5.73 pH	19.54 °C	68.82 µS/cm	5.72 mg/L	1.99 NTU	146.8 mV	28.22 ft	220.00 ml/min
9/8/2021 1:55 PM	59:30	5.74 pH	19.63 °C	76.32 µS/cm	3.70 mg/L	3.55 NTU	140.8 mV	28.22 ft	220.00 ml/min
9/8/2021 2:00 PM	01:04:30	5.74 pH	19.46 °C	66.12 µS/cm	2.02 mg/L	4.23 NTU	137.9 mV	28.22 ft	220.00 ml/min
9/8/2021 2:05 PM	01:09:30	5.75 pH	20.13 °C	79.94 µS/cm	1.74 mg/L	4.01 NTU	132.0 mV	28.22 ft	220.00 ml/min
9/8/2021 2:10 PM	01:14:30	5.75 pH	20.12 °C	80.41 µS/cm	3.16 mg/L	3.28 NTU	130.5 mV	28.22 ft	220.00 ml/min
9/8/2021 2:15 PM	01:19:30	5.74 pH	20.39 °C	79.37 µS/cm	2.43 mg/L	3.01 NTU	127.3 mV	28.22 ft	220.00 ml/min
9/8/2021 2:20 PM	01:24:30	5.76 pH	20.39 °C	76.16 µS/cm	1.60 mg/L	2.81 NTU	124.9 mV	28.22 ft	220.00 ml/min

9/8/2021 2:25 PM	01:29:30	5.76 pH	20.77 °C	78.64 µS/cm	1.70 mg/L	3.27 NTU	127.3 mV	28.22 ft	220.00 ml/min
9/8/2021 2:30 PM	01:34:30	5.75 pH	20.84 °C	78.13 µS/cm	1.42 mg/L	4.50 NTU	160.1 mV	28.22 ft	220.00 ml/min
9/8/2021 2:35 PM	01:39:30	5.76 pH	20.71 °C	75.78 µS/cm	1.35 mg/L	2.70 NTU	131.9 mV	28.22 ft	220.00 ml/min
9/8/2021 2:40 PM	01:44:30	5.76 pH	20.69 °C	77.38 µS/cm	1.36 mg/L	1.88 NTU	128.8 mV	28.22 ft	220.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 9/9/2021 12:56:42 PM

Project: Plant McDonough

Operator Name: K. Minkara

Location Name: 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: 29.39 ft	Pump Type: Dedicated Tubing Type: Polyethylene Pump Intake From TOC: 47 ft Estimated Total Volume Pumped: 4992 ml Flow Cell Volume: 90 ml Final Flow Rate: 320 ml/min Final Draw Down: 0.76 ft	Instrument Used: Aqua TROLL 400 Serial Number: 850724
---	---	--

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 %	+/- 5	+/- 10	+/- 0.3	
9/9/2021 12:56 PM	00:00	6.29 pH	26.10 °C	345.41 µS/cm	4.06 mg/L	1.31 NTU	100.9 mV	29.39 ft	320.00 ml/min
9/9/2021 1:01 PM	05:00	6.02 pH	20.87 °C	355.17 µS/cm	0.67 mg/L	3.52 NTU	92.3 mV	30.11 ft	320.00 ml/min
9/9/2021 1:06 PM	10:00	6.00 pH	20.70 °C	355.33 µS/cm	0.25 mg/L	4.10 NTU	84.6 mV	30.15 ft	320.00 ml/min
9/9/2021 1:07 PM	10:36	5.99 pH	20.69 °C	359.82 µS/cm	0.25 mg/L	4.10 NTU	77.4 mV	30.15 ft	320.00 ml/min
9/9/2021 1:12 PM	15:36	6.00 pH	20.80 °C	372.41 µS/cm	0.20 mg/L	4.19 NTU	109.3 mV	30.15 ft	320.00 ml/min

Samples

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

Low-Flow Test Report:

Test Date / Time: 9/10/2021 10:47:56 AM

Project: Plant McDonough

Operator Name: Jude Waguespack

Location Name: 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: 24.12 ft	Pump Type: Dedicated Tubing Type: Polyethylene Pump Intake From TOC: 41 ft Estimated Total Volume Pumped: 5000 ml Flow Cell Volume: 90 ml Final Flow Rate: 250 ml/min Final Draw Down: 0.3 ft	Instrument Used: Aqua TROLL 400 Serial Number: 843593
---	--	--

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 %	+/- 5	+/- 10	+/- 0.3	
9/10/2021 10:47 AM	00:00	6.57 pH	25.87 °C	1,364.0 µS/cm	4.04 mg/L	11.70 NTU	183.2 mV	24.12 ft	250.00 ml/min
9/10/2021 10:52 AM	05:00	5.93 pH	19.46 °C	1,631.7 µS/cm	0.78 mg/L	4.35 NTU	130.5 mV	24.40 ft	250.00 ml/min
9/10/2021 10:57 AM	10:00	5.84 pH	19.15 °C	1,747.3 µS/cm	0.59 mg/L	14.80 NTU	133.8 mV	24.42 ft	250.00 ml/min
9/10/2021 11:02 AM	15:00	5.84 pH	19.17 °C	1,761.1 µS/cm	0.51 mg/L	7.57 NTU	114.8 mV	24.42 ft	250.00 ml/min
9/10/2021 11:07 AM	20:00	5.83 pH	19.10 °C	1,768.7 µS/cm	0.42 mg/L	4.53 NTU	72.2 mV	24.42 ft	250.00 ml/min

Samples

Sample ID:	Description:
DGWC-4	Dup-2

Low-Flow Test Report:

Test Date / Time: 9/10/2021 2:02:23 PM

Project: Plant McDonough

Operator Name: Jude Waguespack

Location Name: DGWC-5 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 23.23 ft Total Depth: 33.23 ft Initial Depth to Water: 11.18 ft	Pump Type: Dedicated Tubing Type: Polyethylene Pump Intake From TOC: 28 ft Estimated Total Volume Pumped: 7500 ml Flow Cell Volume: 90 ml Final Flow Rate: 250 ml/min Final Draw Down: 0.32 ft	Instrument Used: Aqua TROLL 400 Serial Number: 843593
---	---	--

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 %	+/- 5	+/- 10	+/- 0.3	
9/10/2021 2:02 PM	00:00	4.89 pH	27.99 °C	508.90 µS/cm	4.25 mg/L	14.60 NTU	251.2 mV	11.18 ft	250.00 ml/min
9/10/2021 2:07 PM	05:00	4.88 pH	20.47 °C	821.09 µS/cm	1.58 mg/L	12.10 NTU	481.4 mV	11.45 ft	250.00 ml/min
9/10/2021 2:12 PM	10:00	4.88 pH	20.22 °C	904.78 µS/cm	0.84 mg/L	15.70 NTU	552.5 mV	11.50 ft	250.00 ml/min
9/10/2021 2:17 PM	15:00	4.89 pH	20.24 °C	924.80 µS/cm	0.51 mg/L	11.00 NTU	551.5 mV	11.50 ft	250.00 ml/min
9/10/2021 2:22 PM	20:00	4.89 pH	20.13 °C	927.01 µS/cm	0.46 mg/L	6.72 NTU	550.9 mV	11.50 ft	250.00 ml/min
9/10/2021 2:27 PM	25:00	4.89 pH	20.13 °C	933.48 µS/cm	0.44 mg/L	5.28 NTU	469.7 mV	11.50 ft	250.00 ml/min
9/10/2021 2:32 PM	30:00	4.89 pH	20.15 °C	942.71 µS/cm	0.44 mg/L	4.41 NTU	551.6 mV	11.50 ft	250.00 ml/min

Samples

Sample ID:	Description:
DGWC-5	

Low-Flow Test Report:

Test Date / Time: 9/13/2021 10:25:20 AM

Project: Plant McDonough (12)

Operator Name: Erik Rheams

Location Name: 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: 37.18 ft	Pump Type: Dedicated Tubing Type: Polyethylene Pump Intake From TOC: 46 ft Estimated Total Volume Pumped: 7000 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0.14 ft	Instrument Used: Aqua TROLL 400 Serial Number: 850751
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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 %	+/- 5	+/- 10	+/- 0.3	
9/13/2021 10:25 AM	00:00	5.20 pH	23.27 °C	403.63 µS/cm	3.87 mg/L	6.68 NTU	158.7 mV	37.18 ft	200.00 ml/min
9/13/2021 10:30 AM	05:00	5.11 pH	20.87 °C	389.61 µS/cm	2.23 mg/L	5.15 NTU	148.2 mV	37.29 ft	200.00 ml/min
9/13/2021 10:35 AM	10:00	5.07 pH	20.69 °C	391.33 µS/cm	1.56 mg/L	1.80 NTU	146.1 mV	37.32 ft	200.00 ml/min
9/13/2021 10:40 AM	15:00	5.05 pH	20.71 °C	394.32 µS/cm	1.27 mg/L	1.91 NTU	139.1 mV	37.32 ft	200.00 ml/min
9/13/2021 10:45 AM	20:00	5.04 pH	20.66 °C	396.19 µS/cm	1.16 mg/L	6.22 NTU	132.1 mV	37.32 ft	200.00 ml/min
9/13/2021 10:50 AM	25:00	5.04 pH	20.69 °C	396.09 µS/cm	0.99 mg/L	1.44 NTU	127.3 mV	37.32 ft	200.00 ml/min
9/13/2021 10:55 AM	30:00	5.04 pH	20.85 °C	397.25 µS/cm	0.87 mg/L	1.43 NTU	124.6 mV	37.32 ft	200.00 ml/min
9/13/2021 11:00 AM	35:00	5.05 pH	20.84 °C	395.76 µS/cm	0.82 mg/L	1.06 NTU	121.3 mV	37.32 ft	200.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 9/10/2021 10:47:02 AM

Project: Plant McDonough

Operator Name: K. Minkara

Location Name: DGWC-9 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 23.73 ft Total Depth: 33.73 ft Initial Depth to Water: 24.2 ft	Pump Type: Dedicated Tubing Type: Polyethylene Pump Intake From TOC: 28 ft Estimated Total Volume Pumped: 18000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 0.96 ft	Instrument Used: Aqua TROLL 400 Serial Number: 850724
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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 %	+/- 5	+/- 10	+/- 0.3	
9/10/2021 10:47 AM	00:00	3.85 pH	22.49 °C	571.30 µS/cm	7.18 mg/L	0.09 NTU	222.1 mV	24.20 ft	400.00 ml/min
9/10/2021 10:52 AM	05:00	3.96 pH	18.88 °C	635.09 µS/cm	4.53 mg/L	19.20 NTU	219.1 mV	25.16 ft	400.00 ml/min
9/10/2021 10:57 AM	10:00	3.96 pH	18.97 °C	658.87 µS/cm	3.18 mg/L	11.86 NTU	306.3 mV	25.16 ft	400.00 ml/min
9/10/2021 11:02 AM	15:00	3.97 pH	18.99 °C	660.98 µS/cm	3.03 mg/L	6.40 NTU	317.2 mV	25.16 ft	400.00 ml/min
9/10/2021 11:07 AM	20:00	3.97 pH	19.06 °C	658.91 µS/cm	2.97 mg/L	2.55 NTU	218.7 mV	25.16 ft	400.00 ml/min
9/10/2021 11:12 AM	25:00	3.97 pH	19.08 °C	656.16 µS/cm	2.90 mg/L	2.64 NTU	336.6 mV	25.16 ft	400.00 ml/min
9/10/2021 11:17 AM	30:00	3.98 pH	19.08 °C	655.04 µS/cm	2.84 mg/L	3.22 NTU	240.2 mV	25.16 ft	400.00 ml/min
9/10/2021 11:22 AM	35:00	3.98 pH	19.08 °C	653.03 µS/cm	2.78 mg/L	1.93 NTU	362.0 mV	25.16 ft	400.00 ml/min
9/10/2021 11:27 AM	40:00	3.98 pH	19.14 °C	650.98 µS/cm	2.72 mg/L	1.11 NTU	242.1 mV	25.16 ft	400.00 ml/min
9/10/2021 11:32 AM	45:00	3.98 pH	19.19 °C	649.01 µS/cm	2.66 mg/L	0.87 NTU	366.3 mV	25.16 ft	400.00 ml/min

Samples

Sample ID:	Description:
DGWC-9	FB-2

Low-Flow Test Report:

Test Date / Time: 9/10/2021 1:14:17 PM

Project: Plant McDonough

Operator Name: K. Minkara

Location Name: 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: 25.82 ft	Pump Type: Dedicated Tubing Type: Polyethylene Pump Intake From TOC: 42.8 ft Estimated Total Volume Pumped: 4500 ml Flow Cell Volume: 90 ml Final Flow Rate: 300 ml/min Final Draw Down: 0.53 ft	Instrument Used: Aqua TROLL 400 Serial Number: 850724
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Test Notes:

Extra rads here

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	
9/10/2021 1:14 PM	00:00	5.13 pH	34.27 °C	527.60 µS/cm	5.14 mg/L	0.75 NTU	183.9 mV	25.82 ft	300.00 ml/min
9/10/2021 1:19 PM	05:00	5.08 pH	20.75 °C	645.03 µS/cm	6.18 mg/L	1.29 NTU	114.7 mV	26.30 ft	300.00 ml/min
9/10/2021 1:24 PM	10:00	5.06 pH	20.26 °C	644.79 µS/cm	6.15 mg/L	0.97 NTU	154.7 mV	26.35 ft	300.00 ml/min
9/10/2021 1:29 PM	15:00	5.05 pH	20.23 °C	647.24 µS/cm	6.10 mg/L	0.99 NTU	102.5 mV	26.35 ft	300.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 9/9/2021 9:26:32 AM

Project: Plant McDonough

Operator Name: K. Minkara

Location Name: 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: 12.49 ft	Pump Type: Dedicated Tubing Type: Polyethylene Pump Intake From TOC: 46.72 ft Estimated Total Volume Pumped: 6500 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0.91 ft	Instrument Used: Aqua TROLL 400 Serial Number: 850724
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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 %	+/- 5	+/- 10	+/- 0.3	
9/9/2021 9:26 AM	00:00	6.07 pH	24.30 °C	421.60 µS/cm	2.28 mg/L	4.37 NTU	127.9 mV	12.49 ft	260.00 ml/min
9/9/2021 9:31 AM	05:00	5.65 pH	20.23 °C	539.67 µS/cm	0.80 mg/L	5.25 NTU	100.4 mV	13.41 ft	260.00 ml/min
9/9/2021 9:36 AM	10:00	5.60 pH	20.05 °C	551.25 µS/cm	0.22 mg/L	7.84 NTU	105.1 mV	13.45 ft	180.00 ml/min
9/9/2021 9:41 AM	15:00	5.60 pH	20.93 °C	584.72 µS/cm	0.19 mg/L	7.69 NTU	66.8 mV	13.36 ft	200.00 ml/min
9/9/2021 9:46 AM	20:00	5.59 pH	20.42 °C	589.67 µS/cm	0.17 mg/L	5.34 NTU	79.1 mV	13.40 ft	200.00 ml/min
9/9/2021 9:51 AM	25:00	5.59 pH	20.57 °C	589.11 µS/cm	0.16 mg/L	6.12 NTU	57.3 mV	13.40 ft	200.00 ml/min
9/9/2021 9:56 AM	30:00	5.59 pH	20.72 °C	588.64 µS/cm	0.16 mg/L	4.59 NTU	54.4 mV	13.40 ft	200.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 9/9/2021 1:57:57 PM

Project: Plant McDonough

Operator Name: K. Minkara

Location Name: 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: 8.52 ft	Pump Type: Dedicated Tubing Type: Polyethylene Pump Intake From TOC: 23.24 ft Estimated Total Volume Pumped: 10500 ml Flow Cell Volume: 90 ml Final Flow Rate: 350 ml/min Final Draw Down: 0.63 ft	Instrument Used: Aqua TROLL 400 Serial Number: 850724
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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 %	+/- 5	+/- 10	+/- 0.3	
9/9/2021 1:57 PM	00:00	6.10 pH	21.37 °C	461.84 µS/cm	0.57 mg/L	70.50 NTU	37.4 mV	8.52 ft	350.00 ml/min
9/9/2021 2:02 PM	05:00	6.09 pH	20.70 °C	466.41 µS/cm	0.15 mg/L	50.50 NTU	21.9 mV	9.05 ft	350.00 ml/min
9/9/2021 2:07 PM	10:00	6.11 pH	20.57 °C	464.04 µS/cm	0.12 mg/L	20.40 NTU	15.3 mV	9.15 ft	350.00 ml/min
9/9/2021 2:12 PM	15:00	6.11 pH	20.48 °C	461.57 µS/cm	0.10 mg/L	11.89 NTU	12.4 mV	9.15 ft	350.00 ml/min
9/9/2021 2:17 PM	20:00	6.10 pH	20.39 °C	456.32 µS/cm	0.10 mg/L	7.26 NTU	16.5 mV	9.15 ft	350.00 ml/min
9/9/2021 2:22 PM	25:00	6.08 pH	20.48 °C	452.31 µS/cm	0.09 mg/L	4.54 NTU	17.4 mV	9.15 ft	350.00 ml/min
9/9/2021 2:27 PM	30:00	6.07 pH	20.43 °C	447.02 µS/cm	0.09 mg/L	4.19 NTU	14.8 mV	9.15 ft	350.00 ml/min

Samples

Sample ID:	Description:
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PURGING AND SAMPLING FORM

Project #: 166849621	Project Name/Site Name: SCS Plant McDonough		Page: <u>1</u> of <u>1</u>
Well ID #: <u>D6WC-13</u>	Date: <u>9-9-21</u>	Water Level (ft): <u>32.44</u>	Time (WL): <u>1452</u>
Physical Condition of Well: <u>Good</u>		Weather: <u>81°F Sunny</u>	
Well Diameter (in): <u>2</u>	Well Depth (ft): <u>46.66</u>	Water Column (ft): <u>19.22</u>	Well Volume (gal): <u>2.32</u>
Start Purge: <u>1455</u>	End Purge: <u>1510</u>	Top of Pump (ft): <u>38.26</u>	
Evacuation Method: <u>Low-Flow</u>		Volume Removed (L): <u>6L</u>	
Evacuation Equipment: <u>Dedicated</u>		Purging Personnel: <u>K. MinKou</u>	
SmarTroll serial #: <u>850724</u>		LaMotte serial #: <u>1510-4111</u>	

Purge Data/Field Parameters

Time	Color & Appearance	Odor	pH (S.U.)	Cond. (uS/cm)	DO (mg/L)	Temp (C)	ORP (mV)	Turbidity (NTU)	DTW (ft BTOC)	Pumping Rate
<u>1510</u>									400	<u>400</u>
<u>1510</u>	<u>Clear</u>	<u>no</u>	<u>5.69</u>	<u>396.69</u>	<u>4.05</u>	<u>20.93</u>	<u>137.2</u>	<u>1.00</u>	<u>32.90</u>	<u>400</u>

Stabilization Criteria: pH ± 0.1 S.U., Conductivity ± 5%, Dissolved Oxygen ± 10% or 0.2Mg/L (whichever is greater; for DO < 0.5mg/L, record only, no stabilization criteria), Turbidity ≤ 5 NTU; Purge volume ≥ 3L purge water, water level ≤ 0.3 ft; Temp and ORP record only

Sample Description

Sample ID: D6WC-13 Sample Date/Time: 9-9-21/1510 Metals Date/Time: 9-9-21/1510
 Duplicate: - Dup Date/Time: - Final Turbidity NTU: 1.00
 Field Blank: - Blank Date/Time: - Turbidity Date/Time: 9-9-21/1510

# Sample Bottles	Container	Preservative	Analyte(s)
<u>1</u>	<u>250 mL plastic</u>	<u>HNO3</u>	<u>Metals App III/ IV (As, B, Ba, Be, Ca, Cd, Cr, Co, Hg, Li, Mo, Pb, Sb, Se, Ti)</u>
<u>1</u>	<u>250 mL plastic</u>	<u>--</u>	<u>Chloride, Fluoride, Sulfate</u>
<u>1</u>	<u>500 mL plastic</u>	<u>--</u>	<u>TDS</u>
<u>2</u>	<u>1 L plastic</u>	<u>HNO3</u>	<u>Radium 226/228</u>

Signature: [Handwritten Signature]

Low-Flow Test Report:

Test Date / Time: 9/9/2021 3:35:34 PM

Project: Plant McDonough

Operator Name: K. Minkara

Location Name: 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: 19.15 ft	Pump Type: Dedicated Tubing Type: Polyethylene Pump Intake From TOC: 32 ft Estimated Total Volume Pumped: 6000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 0.25 ft	Instrument Used: Aqua TROLL 400 Serial Number: 850724
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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 %	+/- 5	+/- 10	+/- 0.3	
9/9/2021 3:35 PM	00:00	5.78 pH	22.80 °C	142.55 µS/cm	5.31 mg/L	3.04 NTU	139.6 mV	19.15 ft	400.00 ml/min
9/9/2021 3:40 PM	05:00	5.71 pH	20.26 °C	150.09 µS/cm	4.92 mg/L	2.18 NTU	101.7 mV	19.40 ft	400.00 ml/min
9/9/2021 3:45 PM	10:00	5.71 pH	20.04 °C	149.74 µS/cm	4.93 mg/L	2.12 NTU	95.6 mV	19.40 ft	400.00 ml/min
9/9/2021 3:50 PM	15:00	5.70 pH	20.00 °C	149.86 µS/cm	4.93 mg/L	2.02 NTU	94.0 mV	19.40 ft	400.00 ml/min

Samples

Sample ID:	Description:
DGWC-14	EB-1

Low-Flow Test Report:

Test Date / Time: 9/9/2021 1:34:06 PM

Project: Plant McDonough (6)

Operator Name: Erik Rheams

Location Name: 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: 39.48 ft	Pump Type: dedicated Tubing Type: Polyethylene Pump Intake From TOC: 65 ft Estimated Total Volume Pumped: 3000 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 1.42 ft	Instrument Used: Aqua TROLL 400 Serial Number: 850751
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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 %	+/- 5	+/- 10	+/- 0.3	
9/9/2021 1:34 PM	00:00	5.89 pH	27.85 °C	401.38 µS/cm	2.77 mg/L	2.12 NTU	127.1 mV	39.48 ft	200.00 ml/min
9/9/2021 1:39 PM	05:00	5.85 pH	22.11 °C	431.98 µS/cm	0.74 mg/L	8.35 NTU	107.6 mV	40.69 ft	200.00 ml/min
9/9/2021 1:44 PM	10:00	5.83 pH	21.96 °C	423.94 µS/cm	0.58 mg/L	3.66 NTU	118.4 mV	40.90 ft	200.00 ml/min
9/9/2021 1:49 PM	15:00	5.83 pH	21.64 °C	424.16 µS/cm	0.49 mg/L	2.34 NTU	114.9 mV	40.90 ft	200.00 ml/min

Samples

Sample ID:	Description:
DGWC-15	FB-1

Low-Flow Test Report:

Test Date / Time: 9/13/2021 10:34:17 AM

Project: Plant McDonough (9)

Operator Name: D Fulton

Location Name: 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: 34.07 ft	Pump Type: Dedicated Tubing Type: Polyethylene Pump Intake From TOC: 42 ft Estimated Total Volume Pumped: 9.0 liter Flow Cell Volume: 90 ml Final Flow Rate: 300 ml/min Final Draw Down: 0.78 ft	Instrument Used: Aqua TROLL 400 Serial Number: 850767
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Test Notes:

Weather Conditions:

Clear, 70 s

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	
9/13/2021 10:34 AM	00:00	5.43 pH	27.73 °C	503.78 µS/cm	4.64 mg/L	9.15 NTU	150.8 mV	34.52 ft	300.00 ml/min
9/13/2021 10:39 AM	05:00	5.10 pH	20.47 °C	587.76 µS/cm	1.15 mg/L	8.52 NTU	163.4 mV	34.48 ft	300.00 ml/min
9/13/2021 10:44 AM	10:00	5.08 pH	20.04 °C	597.65 µS/cm	0.82 mg/L	7.09 NTU	129.8 mV	34.90 ft	300.00 ml/min
9/13/2021 10:49 AM	15:00	5.08 pH	19.97 °C	598.96 µS/cm	0.82 mg/L	3.90 NTU	114.1 mV	34.90 ft	300.00 ml/min
9/13/2021 10:54 AM	20:00	5.07 pH	19.95 °C	598.80 µS/cm	0.70 mg/L	2.51 NTU	103.3 mV	34.85 ft	300.00 ml/min
9/13/2021 10:59 AM	25:00	5.08 pH	19.99 °C	594.65 µS/cm	0.55 mg/L	2.07 NTU	99.2 mV	34.85 ft	300.00 ml/min
9/13/2021 11:04 AM	30:00	5.06 pH	20.03 °C	598.52 µS/cm	0.60 mg/L	2.24 NTU	99.5 mV	34.85 ft	300.00 ml/min

Samples

Sample ID:	Description:
DGWC-17	

Low-Flow Test Report:

Test Date / Time: 9/9/2021 2:53:27 PM

Project: Plant McDonough (7)

Operator Name: Erik Rheams

Location Name: DGWC-19 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 33.25 ft Total Depth: 43.25 ft Initial Depth to Water: 24.77 ft	Pump Type: dedicated Tubing Type: Polyethylene Pump Intake From TOC: 38 ft Estimated Total Volume Pumped: 9900 ml Flow Cell Volume: 90 ml Final Flow Rate: 180 ml/min Final Draw Down: 0.21 ft	Instrument Used: Aqua TROLL 400 Serial Number: 850751
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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 %	+/- 5	+/- 10	+/- 0.3	
9/9/2021 2:53 PM	00:00	4.83 pH	22.94 °C	724.74 µS/cm	1.80 mg/L	54.70 NTU	345.2 mV	24.77 ft	180.00 ml/min
9/9/2021 2:58 PM	05:00	4.81 pH	21.84 °C	746.52 µS/cm	0.52 mg/L	31.50 NTU	553.6 mV	24.98 ft	180.00 ml/min
9/9/2021 3:03 PM	10:00	4.81 pH	21.64 °C	745.16 µS/cm	0.38 mg/L	21.00 NTU	566.3 mV	24.98 ft	180.00 ml/min
9/9/2021 3:08 PM	15:00	4.81 pH	21.65 °C	744.14 µS/cm	0.33 mg/L	57.70 NTU	568.4 mV	24.98 ft	180.00 ml/min
9/9/2021 3:13 PM	20:00	4.82 pH	21.73 °C	740.28 µS/cm	0.34 mg/L	13.00 NTU	455.1 mV	24.98 ft	180.00 ml/min
9/9/2021 3:18 PM	25:00	4.80 pH	21.51 °C	730.44 µS/cm	0.35 mg/L	11.70 NTU	570.9 mV	24.98 ft	180.00 ml/min
9/9/2021 3:23 PM	30:00	4.81 pH	21.68 °C	724.19 µS/cm	0.33 mg/L	6.72 NTU	450.2 mV	24.98 ft	180.00 ml/min
9/9/2021 3:28 PM	35:00	4.80 pH	21.56 °C	716.03 µS/cm	0.33 mg/L	6.97 NTU	570.1 mV	24.98 ft	180.00 ml/min
9/9/2021 3:33 PM	40:00	4.81 pH	21.51 °C	712.60 µS/cm	0.31 mg/L	7.99 NTU	442.2 mV	24.98 ft	180.00 ml/min
9/9/2021 3:38 PM	45:00	4.79 pH	23.15 °C	714.39 µS/cm	0.33 mg/L	6.09 NTU	429.6 mV	24.98 ft	180.00 ml/min
9/9/2021 3:43 PM	50:00	4.83 pH	22.71 °C	690.15 µS/cm	0.45 mg/L	5.91 NTU	568.5 mV	24.98 ft	180.00 ml/min
9/9/2021 3:48 PM	55:00	4.82 pH	22.27 °C	692.04 µS/cm	0.41 mg/L	4.96 NTU	436.6 mV	24.98 ft	180.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 9/10/2021 12:28:20 PM

Project: Plant McDonough

Operator Name: Jude Waguespack

Location Name: 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: 21.83 ft	Pump Type: Peristaltic Tubing Type: Polyethylene Pump Intake From TOC: 38 ft Estimated Total Volume Pumped: 5000 ml Flow Cell Volume: 90 ml Final Flow Rate: 250 ml/min Final Draw Down: 1.39 ft	Instrument Used: Aqua TROLL 400 Serial Number: 843593
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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 %	+/- 5	+/- 10	+/- 0.3	
9/10/2021 12:28 PM	00:00	4.83 pH	30.86 °C	807.66 µS/cm	3.25 mg/L	2.38 NTU	162.8 mV	21.83 ft	250.00 ml/min
9/10/2021 12:33 PM	05:00	4.72 pH	22.07 °C	890.82 µS/cm	0.24 mg/L	2.19 NTU	133.5 mV	22.84 ft	250.00 ml/min
9/10/2021 12:38 PM	10:00	4.71 pH	21.73 °C	908.91 µS/cm	0.17 mg/L	1.62 NTU	166.7 mV	23.06 ft	250.00 ml/min
9/10/2021 12:43 PM	15:00	4.69 pH	21.73 °C	896.79 µS/cm	0.14 mg/L	2.19 NTU	111.3 mV	23.20 ft	250.00 ml/min
9/10/2021 12:48 PM	20:00	4.67 pH	21.75 °C	892.33 µS/cm	0.13 mg/L	2.40 NTU	156.3 mV	23.22 ft	250.00 ml/min

Samples

Sample ID:	Description:
DGWC-20	

Low-Flow Test Report:

Test Date / Time: 9/9/2021 12:13:40 PM

Project: Plant McDonough (5)

Operator Name: Erik Rheams

Location Name: DGWC-21 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 62 ft Total Depth: 72 ft Initial Depth to Water: 15.46 ft	Pump Type: Peristaltic Tubing Type: Polyethylene Pump Intake From TOC: 67 ft Estimated Total Volume Pumped: 6000 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0.34 ft	Instrument Used: Aqua TROLL 400 Serial Number: 850751
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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 %	+/- 5	+/- 10	+/- 0.3	
9/9/2021 12:13 PM	00:00	6.17 pH	23.03 °C	450.63 µS/cm	3.10 mg/L	0.99 NTU	165.0 mV	15.46 ft	200.00 ml/min
9/9/2021 12:18 PM	05:00	5.91 pH	21.93 °C	531.53 µS/cm	0.42 mg/L	0.70 NTU	160.2 mV	15.78 ft	200.00 ml/min
9/9/2021 12:23 PM	10:00	5.84 pH	21.33 °C	559.94 µS/cm	0.27 mg/L	0.33 NTU	172.3 mV	15.80 ft	200.00 ml/min
9/9/2021 12:28 PM	15:00	5.79 pH	21.50 °C	591.35 µS/cm	0.22 mg/L	1.57 NTU	156.6 mV	15.80 ft	200.00 ml/min
9/9/2021 12:33 PM	20:00	5.76 pH	21.51 °C	616.64 µS/cm	0.19 mg/L	0.45 NTU	113.0 mV	15.80 ft	200.00 ml/min
9/9/2021 12:38 PM	25:00	5.75 pH	21.29 °C	630.33 µS/cm	0.16 mg/L	0.95 NTU	99.0 mV	15.80 ft	200.00 ml/min
9/9/2021 12:43 PM	30:00	5.73 pH	21.53 °C	634.11 µS/cm	0.15 mg/L	1.21 NTU	9.0 mV	15.80 ft	200.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 9/10/2021 12:33:07 PM

Project: Plant McDonough (7)

Operator Name: D Fulton

Location Name: 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: 20.26 ft	Pump Type: Bladder Pump Tubing Type: Polyethylene Pump Intake From TOC: 58 ft Estimated Total Volume Pumped: 6.25 liter Flow Cell Volume: 90 ml Final Flow Rate: 250 ml/min Final Draw Down: 0.32 ft	Instrument Used: Aqua TROLL 400 Serial Number: 850767
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Test Notes:

Weather Conditions:

Clear, 80s

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	
9/10/2021 12:33 PM	00:00	5.68 pH	23.34 °C	624.42 µS/cm	1.46 mg/L	1.14 NTU	94.6 mV	20.54 ft	250.00 ml/min
9/10/2021 12:38 PM	05:00	5.65 pH	20.66 °C	636.64 µS/cm	0.48 mg/L	1.20 NTU	127.7 mV	20.58 ft	250.00 ml/min
9/10/2021 12:43 PM	10:00	5.65 pH	20.53 °C	628.41 µS/cm	0.34 mg/L	0.93 NTU	200.0 mV	20.58 ft	250.00 ml/min
9/10/2021 12:48 PM	15:00	5.65 pH	20.45 °C	629.79 µS/cm	0.25 mg/L	0.86 NTU	233.2 mV	20.58 ft	250.00 ml/min
9/10/2021 12:53 PM	20:00	5.66 pH	20.52 °C	619.34 µS/cm	0.20 mg/L	0.91 NTU	239.6 mV	20.58 ft	250.00 ml/min
9/10/2021 12:58 PM	25:00	5.65 pH	20.54 °C	622.77 µS/cm	0.17 mg/L	0.78 NTU	251.8 mV	20.58 ft	250.00 ml/min

Samples

Sample ID:	Description:
DWGC-22	

Low-Flow Test Report:

Test Date / Time: 9/9/2021 11:50:24 AM

Project: Plant McDonough

Operator Name: K. Minkara

Location Name: 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: 20.43 ft	Pump Type: Dedicated Tubing Type: Polyethylene Pump Intake From TOC: 58 ft Estimated Total Volume Pumped: 6500 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 3.72 ft	Instrument Used: Aqua TROLL 400 Serial Number: 850724
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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 %	+/- 5	+/- 10	+/- 0.3	
9/9/2021 11:50 AM	00:00	6.06 pH	21.91 °C	675.52 µS/cm	1.72 mg/L	2.81 NTU	226.4 mV	20.43 ft	300.00 ml/min
9/9/2021 11:55 AM	05:00	6.02 pH	19.77 °C	667.83 µS/cm	0.65 mg/L	2.09 NTU	146.9 mV	23.00 ft	300.00 ml/min
9/9/2021 12:00 PM	10:00	6.05 pH	19.41 °C	659.71 µS/cm	0.68 mg/L	1.75 NTU	122.9 mV	23.80 ft	300.00 ml/min
9/9/2021 12:05 PM	15:00	6.03 pH	20.30 °C	665.19 µS/cm	0.69 mg/L	2.29 NTU	89.0 mV	24.20 ft	200.00 ml/min
9/9/2021 12:10 PM	20:00	6.02 pH	20.72 °C	663.00 µS/cm	0.56 mg/L	1.97 NTU	82.2 mV	24.14 ft	200.00 ml/min
9/9/2021 12:15 PM	25:00	6.00 pH	20.78 °C	660.71 µS/cm	0.43 mg/L	2.79 NTU	62.5 mV	24.15 ft	200.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 9/13/2021 1:12:16 PM

Project: Plant McDonough (2)

Operator Name: E. Dhondt

Location Name: DGWC-42 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 42.49 ft Total Depth: 52.49 ft Initial Depth to Water: 28.85 ft	Pump Type: Dedicated Bladder Tubing Type: Polyethylene Pump Intake From TOC: 47.49 ft Estimated Total Volume Pumped: 31915.334 ml Flow Cell Volume: 90 ml Final Flow Rate: 160 ml/min Final Draw Down: 1.0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 850724
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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 %	+/- 5	+/- 10	+/- 0.3	
9/13/2021 1:12 PM	00:00	5.20 pH	21.77 °C	738.39 µS/cm	0.72 mg/L	12.1 NTU	71.5 mV	28.85 ft	280.00 ml/min
9/13/2021 1:14 PM	02:40	5.23 pH	22.31 °C	748.45 µS/cm	0.94 mg/L	9.50 NTU	64.6 mV	29.25 ft	280.00 ml/min
9/13/2021 1:25 PM	13:00	5.15 pH	22.04 °C	699.23 µS/cm	0.83 mg/L	8.60 NTU	44.3 mV	30.20 ft	280.00 ml/min
9/13/2021 1:30 PM	18:00	5.13 pH	21.81 °C	706.24 µS/cm	0.75 mg/L	8.25 NTU	50.2 mV	30.20 ft	280.00 ml/min
9/13/2021 1:35 PM	23:00	5.13 pH	21.59 °C	728.03 µS/cm	0.62 mg/L	8.19 NTU	56.7 mV	30.20 ft	280.00 ml/min
9/13/2021 1:40 PM	28:00	5.12 pH	21.86 °C	709.28 µS/cm	0.62 mg/L	8.02 NTU	46.7 mV	30.20 ft	280.00 ml/min
9/13/2021 1:45 PM	33:00	5.12 pH	21.82 °C	710.10 µS/cm	0.53 mg/L	7.90 NTU	46.2 mV	30.20 ft	280.00 ml/min
9/13/2021 1:50 PM	38:00	5.12 pH	21.68 °C	718.42 µS/cm	0.49 mg/L	8.03 NTU	45.9 mV	30.20 ft	280.00 ml/min
9/13/2021 1:55 PM	43:00	5.13 pH	21.69 °C	708.12 µS/cm	0.57 mg/L	7.98 NTU	53.6 mV	30.20 ft	280.00 ml/min
9/13/2021 2:00 PM	48:00	5.13 pH	21.82 °C	701.93 µS/cm	0.52 mg/L	7.21 NTU	46.7 mV	30.20 ft	280.00 ml/min
9/13/2021 2:05 PM	52:55	5.12 pH	23.69 °C	722.36 µS/cm	0.69 mg/L	2.20 NTU	49.2 mV	29.15 ft	280.00 ml/min
9/13/2021 2:10 PM	57:55	5.12 pH	26.40 °C	710.46 µS/cm	0.59 mg/L	1.88 NTU	46.6 mV	29.46 ft	160.00 ml/min
9/13/2021 2:36 PM	01:23:59	5.13 pH	37.02 °C	733.10 µS/cm	1.05 mg/L	2.04 NTU	50.9 mV	29.65 ft	160.00 ml/min
9/13/2021 2:41 PM	01:28:59	5.17 pH	27.79 °C	668.16 µS/cm	1.12 mg/L	2.72 NTU	94.1 mV	29.80 ft	160.00 ml/min
9/13/2021 2:46 PM	01:33:59	5.15 pH	22.84 °C	714.36 µS/cm	0.93 mg/L	1.65 NTU	81.2 mV	29.80 ft	160.00 ml/min
9/13/2021 2:51 PM	01:38:59	5.15 pH	22.94 °C	719.58 µS/cm	0.93 mg/L	1.94 NTU	75.3 mV	29.85 ft	160.00 ml/min

9/13/2021 2:56 PM	01:43:59	5.15 pH	22.71 °C	723.12 µS/cm	0.83 mg/L	1.94 NTU	71.4 mV	29.85 ft	160.00 ml/min
9/13/2021 3:01 PM	01:48:59	5.15 pH	22.85 °C	708.11 µS/cm	0.80 mg/L	2.65 NTU	72.4 mV	29.85 ft	160.00 ml/min
9/13/2021 3:06 PM	01:53:59	5.15 pH	22.58 °C	706.57 µS/cm	0.76 mg/L	2.65 NTU	68.8 mV	29.85 ft	160.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 9/10/2021 10:23:59 AM

Project: Plant McDonough (8)

Operator Name: Erik Rheams

Location Name: 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: 17.34 ft	Pump Type: Peristaltic Tubing Type: Polyethylene Pump Intake From TOC: 26 ft Estimated Total Volume Pumped: 3500 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 1.13 ft	Instrument Used: Aqua TROLL 400 Serial Number: 850751
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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 %	+/- 5	+/- 10	+/- 0.3	
9/10/2021 10:23 AM	00:00	3.78 pH	26.51 °C	390.63 µS/cm	5.44 mg/L	5.48 NTU	256.2 mV	17.34 ft	100.00 ml/min
9/10/2021 10:28 AM	05:00	3.77 pH	24.33 °C	379.97 µS/cm	5.00 mg/L	1.47 NTU	258.9 mV	18.09 ft	100.00 ml/min
9/10/2021 10:33 AM	10:00	3.86 pH	24.02 °C	364.44 µS/cm	3.42 mg/L	1.64 NTU	266.5 mV	18.31 ft	100.00 ml/min
9/10/2021 10:38 AM	15:00	3.93 pH	23.76 °C	355.25 µS/cm	2.04 mg/L	2.06 NTU	336.6 mV	18.39 ft	100.00 ml/min
9/10/2021 10:43 AM	20:00	4.00 pH	23.66 °C	350.00 µS/cm	1.09 mg/L	3.25 NTU	342.3 mV	18.42 ft	100.00 ml/min
9/10/2021 10:48 AM	25:00	4.06 pH	23.79 °C	346.13 µS/cm	0.62 mg/L	3.21 NTU	354.0 mV	18.44 ft	100.00 ml/min
9/10/2021 10:53 AM	30:00	4.08 pH	23.71 °C	345.28 µS/cm	0.51 mg/L	2.91 NTU	346.5 mV	18.45 ft	100.00 ml/min
9/10/2021 10:58 AM	35:00	4.10 pH	23.63 °C	341.40 µS/cm	0.45 mg/L	2.50 NTU	314.6 mV	18.47 ft	100.00 ml/min

Samples

Sample ID:	Description:
DGWC-47	EB-2

Low-Flow Test Report:

Test Date / Time: 9/10/2021 10:21:53 AM

Project: Plant McDonough (6)

Operator Name: D Fulton

Location Name: 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: 13.24 ft	Pump Type: Dedicated Tubing Type: Polyethylene Pump Intake From TOC: 28 ft Estimated Total Volume Pumped: 4.4 liter Flow Cell Volume: 90 ml Final Flow Rate: 125 ml/min Final Draw Down: 0.54 ft	Instrument Used: Aqua TROLL 400 Serial Number: 850767
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Test Notes:

Weather Conditions:

Clear, 75

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	
9/10/2021 10:21 AM	00:00	4.29 pH	22.80 °C	608.06 µS/cm	5.08 mg/L	0.77 NTU	244.2 mV	13.75 ft	225.00 ml/min
9/10/2021 10:26 AM	05:00	4.34 pH	20.57 °C	709.39 µS/cm	0.96 mg/L	1.11 NTU	176.4 mV	13.78 ft	125.00 ml/min
9/10/2021 10:31 AM	10:00	4.33 pH	20.51 °C	687.71 µS/cm	0.71 mg/L	0.66 NTU	221.3 mV	13.75 ft	125.00 ml/min
9/10/2021 10:36 AM	15:00	4.30 pH	20.30 °C	693.96 µS/cm	0.68 mg/L	0.61 NTU	207.4 mV	13.75 ft	125.00 ml/min
9/10/2021 10:41 AM	20:00	4.29 pH	20.26 °C	690.17 µS/cm	0.66 mg/L	0.31 NTU	291.5 mV	13.78 ft	125.00 ml/min
9/10/2021 10:46 AM	25:00	4.30 pH	20.30 °C	691.70 µS/cm	0.52 mg/L	0.21 NTU	212.2 mV	13.78 ft	125.00 ml/min
9/10/2021 10:51 AM	30:00	4.31 pH	20.31 °C	688.77 µS/cm	0.49 mg/L	0.32 NTU	208.7 mV	13.78 ft	125.00 ml/min
9/10/2021 10:56 AM	35:00	4.30 pH	20.34 °C	690.22 µS/cm	0.43 mg/L	0.54 NTU	203.1 mV	13.78 ft	125.00 ml/min

Samples

Sample ID:	Description:
DWGC-48	Dup-1

Low-Flow Test Report:

Test Date / Time: 9/13/2021 12:01:17 PM

Project: Plant McDonough (10)

Operator Name: D Fulton

Location Name: 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: 26.55 ft	Pump Type: Peristaltic Tubing Type: Polyethylene Pump Intake From TOC: 42 ft Estimated Total Volume Pumped: 5.6 liter Flow Cell Volume: 90 ml Final Flow Rate: 80 ml/min Final Draw Down: 0.42 ft	Instrument Used: Aqua TROLL 400 Serial Number: 850767
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Test Notes:

Weather Conditions:

Clear, 79

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	
9/13/2021 12:01 PM	00:00	4.78 pH	26.42 °C	437.86 µS/cm	1.52 mg/L	70.50 NTU	157.0 mV	26.96 ft	80.00 ml/min
9/13/2021 12:06 PM	05:00	4.72 pH	22.00 °C	467.65 µS/cm	0.50 mg/L	33.80 NTU	86.6 mV	26.98 ft	80.00 ml/min
9/13/2021 12:11 PM	10:00	4.71 pH	21.91 °C	468.02 µS/cm	0.38 mg/L	25.10 NTU	92.9 mV	26.98 ft	80.00 ml/min
9/13/2021 12:16 PM	15:00	4.70 pH	21.84 °C	468.46 µS/cm	0.43 mg/L	32.60 NTU	84.9 mV	26.98 ft	80.00 ml/min
9/13/2021 12:21 PM	20:00	4.65 pH	21.85 °C	464.88 µS/cm	0.32 mg/L	26.00 NTU	82.0 mV	26.98 ft	80.00 ml/min
9/13/2021 12:26 PM	25:00	4.71 pH	21.66 °C	463.29 µS/cm	0.27 mg/L	23.50 NTU	60.9 mV	26.98 ft	80.00 ml/min
9/13/2021 12:31 PM	30:00	4.70 pH	21.60 °C	464.95 µS/cm	0.29 mg/L	15.20 NTU	78.2 mV	26.98 ft	80.00 ml/min
9/13/2021 12:36 PM	35:00	4.71 pH	21.59 °C	462.01 µS/cm	0.28 mg/L	12.30 NTU	60.1 mV	26.98 ft	80.00 ml/min
9/13/2021 12:41 PM	40:00	4.69 pH	21.67 °C	468.72 µS/cm	0.27 mg/L	10.70 NTU	59.5 mV	26.98 ft	80.00 ml/min
9/13/2021 12:46 PM	45:00	4.70 pH	21.91 °C	471.79 µS/cm	0.25 mg/L	11.40 NTU	78.4 mV	26.95 ft	80.00 ml/min
9/13/2021 12:51 PM	50:00	4.70 pH	21.69 °C	473.16 µS/cm	0.26 mg/L	11.50 NTU	61.1 mV	26.94 ft	80.00 ml/min
9/13/2021 12:56 PM	55:00	4.68 pH	21.83 °C	473.60 µS/cm	0.26 mg/L	11.00 NTU	83.8 mV	26.94 ft	80.00 ml/min
9/13/2021 1:01 PM	01:00:00	4.70 pH	21.91 °C	474.02 µS/cm	0.26 mg/L	9.40 NTU	63.7 mV	26.94 ft	80.00 ml/min

9/13/2021 1:06 PM	01:05:00	4.70 pH	21.66 °C	474.17 µS/cm	0.24 mg/L	5.43 NTU	62.7 mV	26.97 ft	80.00 ml/min
9/13/2021 1:11 PM	01:10:00	4.69 pH	21.75 °C	474.76 µS/cm	0.23 mg/L	3.44 NTU	85.7 mV	26.97 ft	80.00 ml/min

Samples

Sample ID:	Description:
B-56	

Low-Flow Test Report:

Test Date / Time: 9/9/2021 2:26:06 PM

Project: Plant McDonough

Operator Name: Jude Waguespack

Location Name: 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: 11.95 ft	Pump Type: Peristaltic Tubing Type: Polyethylene Pump Intake From TOC: 34 ft Estimated Total Volume Pumped: 20000 ml Flow Cell Volume: 90 ml Final Flow Rate: 250 ml/min Final Draw Down: 0.45 ft	Instrument Used: Aqua TROLL 400 Serial Number: 843593
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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 %	+/- 5	+/- 10	+/- 0.3	
9/9/2021 2:26 PM	00:00	6.40 pH	29.86 °C	261.98 µS/cm	4.59 mg/L	40.10 NTU	47.2 mV	11.95 ft	250.00 ml/min
9/9/2021 2:31 PM	05:00	6.35 pH	20.27 °C	296.54 µS/cm	0.41 mg/L	38.80 NTU	13.7 mV	12.38 ft	250.00 ml/min
9/9/2021 2:36 PM	10:00	6.37 pH	19.77 °C	286.67 µS/cm	0.31 mg/L	35.50 NTU	3.9 mV	12.40 ft	250.00 ml/min
9/9/2021 2:41 PM	15:00	6.27 pH	19.63 °C	278.05 µS/cm	0.26 mg/L	38.00 NTU	3.9 mV	12.40 ft	250.00 ml/min
9/9/2021 2:46 PM	20:00	6.32 pH	19.59 °C	270.42 µS/cm	0.19 mg/L	13.00 NTU	1.5 mV	12.40 ft	250.00 ml/min
9/9/2021 2:51 PM	25:00	6.33 pH	19.59 °C	274.22 µS/cm	0.24 mg/L	17.00 NTU	11.6 mV	12.40 ft	250.00 ml/min
9/9/2021 2:56 PM	30:00	6.32 pH	19.55 °C	268.88 µS/cm	0.21 mg/L	12.20 NTU	4.3 mV	12.40 ft	250.00 ml/min
9/9/2021 3:01 PM	35:00	6.29 pH	19.53 °C	268.39 µS/cm	0.20 mg/L	15.20 NTU	6.0 mV	12.40 ft	250.00 ml/min
9/9/2021 3:06 PM	40:00	6.30 pH	19.72 °C	268.63 µS/cm	0.20 mg/L	15.10 NTU	13.7 mV	12.40 ft	250.00 ml/min
9/9/2021 3:11 PM	45:00	6.25 pH	20.08 °C	269.64 µS/cm	0.22 mg/L	13.20 NTU	8.7 mV	12.40 ft	250.00 ml/min
9/9/2021 3:16 PM	50:00	6.27 pH	20.70 °C	271.92 µS/cm	0.30 mg/L	19.10 NTU	11.8 mV	12.40 ft	250.00 ml/min
9/9/2021 3:21 PM	55:00	6.23 pH	20.95 °C	269.42 µS/cm	0.32 mg/L	20.50 NTU	18.7 mV	12.40 ft	250.00 ml/min
9/9/2021 3:26 PM	01:00:00	6.29 pH	19.95 °C	269.54 µS/cm	0.31 mg/L	19.50 NTU	17.3 mV	12.40 ft	250.00 ml/min
9/9/2021 3:31 PM	01:05:00	6.26 pH	19.81 °C	269.39 µS/cm	0.24 mg/L	12.70 NTU	16.6 mV	12.40 ft	250.00 ml/min
9/9/2021 3:36 PM	01:10:00	6.29 pH	19.86 °C	269.42 µS/cm	0.21 mg/L	9.60 NTU	15.2 mV	12.40 ft	250.00 ml/min

9/9/2021 3:41 PM	01:15:00	6.29 pH	19.79 °C	268.73 µS/cm	0.18 mg/L	6.66 NTU	14.7 mV	12.40 ft	250.00 ml/min
9/9/2021 3:46 PM	01:20:00	6.31 pH	19.81 °C	268.58 µS/cm	0.18 mg/L	3.00 NTU	14.5 mV	12.40 ft	250.00 ml/min

Samples

Sample ID:	Description:
B-62	

Low-Flow Test Report:

Test Date / Time: 9/14/2021 12:10:22 PM

Project: Plant McDonough (17)

Operator Name: Erik Rheams

Location Name: 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: 28.73 ft	Pump Type: bladder Tubing Type: Polyethylene Pump Intake From TOC: 41 ft Estimated Total Volume Pumped: 6300 ml Flow Cell Volume: 90 ml Final Flow Rate: 180 ml/min Final Draw Down: 0.61 ft	Instrument Used: Aqua TROLL 400 Serial Number: 850751
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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 %	+/- 5	+/- 10	+/- 0.3	
9/14/2021 12:10 PM	00:00	5.55 pH	31.17 °C	245.93 µS/cm	1.65 mg/L	37.20 NTU	63.6 mV	28.73 ft	180.00 ml/min
9/14/2021 12:15 PM	05:00	5.44 pH	23.18 °C	262.47 µS/cm	0.40 mg/L	20.70 NTU	74.6 mV	29.11 ft	180.00 ml/min
9/14/2021 12:20 PM	10:00	5.43 pH	22.18 °C	263.18 µS/cm	0.29 mg/L	14.80 NTU	78.4 mV	29.24 ft	180.00 ml/min
9/14/2021 12:25 PM	15:00	5.43 pH	21.87 °C	265.23 µS/cm	0.26 mg/L	10.65 NTU	79.1 mV	29.31 ft	180.00 ml/min
9/14/2021 12:30 PM	20:00	5.43 pH	21.87 °C	263.66 µS/cm	0.23 mg/L	8.31 NTU	75.9 mV	29.33 ft	180.00 ml/min
9/14/2021 12:35 PM	25:00	5.42 pH	21.64 °C	263.31 µS/cm	0.20 mg/L	7.01 NTU	77.2 mV	29.34 ft	180.00 ml/min
9/14/2021 12:40 PM	30:00	5.45 pH	21.66 °C	262.17 µS/cm	0.19 mg/L	5.57 NTU	75.3 mV	29.34 ft	180.00 ml/min
9/14/2021 12:45 PM	35:00	5.46 pH	22.09 °C	262.66 µS/cm	0.17 mg/L	4.95 NTU	76.2 mV	29.34 ft	180.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 9/14/2021 10:02:34 AM

Project: Plant McDonough (13)

Operator Name: D Fulton

Location Name: 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: 16.77 ft	Pump Type: Peristaltic Tubing Type: Polyethylene Pump Intake From TOC: 52 ft Estimated Total Volume Pumped: 5.5 liter Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 3.33 ft	Instrument Used: Aqua TROLL 400 Serial Number: 850767
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Test Notes:

Weather Conditions:

Clear,78

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	
9/14/2021 10:02 AM	00:00	6.25 pH	23.88 °C	854.92 µS/cm	4.90 mg/L	5.54 NTU	34.7 mV	16.88 ft	50.00 ml/min
9/14/2021 10:07 AM	05:00	6.42 pH	22.73 °C	774.75 µS/cm	1.43 mg/L	6.80 NTU	9.6 mV	17.24 ft	50.00 ml/min
9/14/2021 10:12 AM	10:00	6.44 pH	23.19 °C	775.69 µS/cm	0.93 mg/L	6.53 NTU	8.8 mV	17.41 ft	50.00 ml/min
9/14/2021 10:17 AM	15:00	6.45 pH	23.42 °C	765.57 µS/cm	0.62 mg/L	10.67 NTU	17.4 mV	17.75 ft	100.00 ml/min
9/14/2021 10:22 AM	20:00	6.44 pH	21.62 °C	764.84 µS/cm	0.23 mg/L	10.77 NTU	6.8 mV	18.30 ft	100.00 ml/min
9/14/2021 10:27 AM	25:00	6.45 pH	21.24 °C	771.94 µS/cm	0.21 mg/L	12.42 NTU	16.1 mV	18.79 ft	100.00 ml/min
9/14/2021 10:32 AM	30:00	6.48 pH	21.15 °C	766.49 µS/cm	0.27 mg/L	6.37 NTU	17.1 mV	19.12 ft	100.00 ml/min
9/14/2021 10:37 AM	35:00	6.52 pH	21.10 °C	767.14 µS/cm	0.35 mg/L	4.08 NTU	18.3 mV	19.45 ft	100.00 ml/min
9/14/2021 10:42 AM	40:00	6.52 pH	21.42 °C	768.61 µS/cm	0.32 mg/L	4.08 NTU	17.2 mV	19.70 ft	100.00 ml/min
9/14/2021 10:47 AM	45:00	6.52 pH	21.69 °C	757.53 µS/cm	0.31 mg/L	3.44 NTU	6.9 mV	19.87 ft	100.00 ml/min
9/14/2021 10:52 AM	50:00	6.53 pH	21.85 °C	764.39 µS/cm	0.33 mg/L	4.09 NTU	5.4 mV	20.03 ft	100.00 ml/min
9/14/2021 10:57 AM	55:00	6.52 pH	22.12 °C	774.49 µS/cm	0.33 mg/L	1.85 NTU	15.0 mV	20.09 ft	100.00 ml/min
9/14/2021 11:02 AM	01:00:00	6.54 pH	22.27 °C	759.32 µS/cm	0.47 mg/L	2.10 NTU	14.5 mV	20.10 ft	100.00 ml/min

Samples

Sample ID:	Description:
B-66	Dup-4

Low-Flow Test Report:

Test Date / Time: 9/14/2021 10:20:59 AM

Project: Plant McDonough (16)

Operator Name: Erik Rheams

Location Name: B-77 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 33.4 ft Total Depth: 43.4 ft Initial Depth to Water: 29.31 ft	Pump Type: Dedicated bladder Tubing Type: Polyethylene Pump Intake From TOC: 38 ft Estimated Total Volume Pumped: 5000 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0.81 ft	Instrument Used: Aqua TROLL 400 Serial Number: 850751
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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 %	+/- 5	+/- 10	+/- 0.3	
9/14/2021 10:20 AM	00:00	6.44 pH	23.66 °C	377.79 µS/cm	1.57 mg/L	5.72 NTU	-60.4 mV	29.31 ft	200.00 ml/min
9/14/2021 10:25 AM	05:00	6.48 pH	21.56 °C	384.35 µS/cm	0.32 mg/L	6.57 NTU	-70.6 mV	30.09 ft	200.00 ml/min
9/14/2021 10:30 AM	10:00	6.47 pH	21.82 °C	378.26 µS/cm	0.28 mg/L	4.02 NTU	-75.4 mV	30.18 ft	200.00 ml/min
9/14/2021 10:35 AM	15:00	6.44 pH	22.54 °C	361.86 µS/cm	0.31 mg/L	2.57 NTU	-73.6 mV	30.12 ft	200.00 ml/min
9/14/2021 10:40 AM	20:00	6.42 pH	22.76 °C	353.67 µS/cm	0.30 mg/L	2.85 NTU	-69.2 mV	30.12 ft	200.00 ml/min
9/14/2021 10:45 AM	25:00	6.42 pH	22.81 °C	350.45 µS/cm	0.28 mg/L	2.54 NTU	-72.4 mV	30.12 ft	200.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 9/14/2021 12:25:37 PM

Project: Plant McDonough (14)

Operator Name: D Fulton

Location Name: 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: 14.94 ft	Pump Type: Peristaltic Tubing Type: Polyethylene Pump Intake From TOC: 42 ft Estimated Total Volume Pumped: 3.0 liter Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 0.86 ft	Instrument Used: Aqua TROLL 400 Serial Number: 850767
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Test Notes:

Weather Conditions:

Cloudy, 82

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	
9/14/2021 12:25 PM	00:00	5.38 pH	29.63 °C	757.45 µS/cm	5.91 mg/L	1.38 NTU	107.3 mV	15.21 ft	100.00 ml/min
9/14/2021 12:30 PM	05:00	5.17 pH	22.45 °C	784.10 µS/cm	0.59 mg/L	0.91 NTU	153.6 mV	15.60 ft	110.00 ml/min
9/14/2021 12:35 PM	10:00	5.16 pH	21.93 °C	777.08 µS/cm	0.47 mg/L	1.26 NTU	143.5 mV	15.74 ft	100.00 ml/min
9/14/2021 12:40 PM	15:00	5.16 pH	21.77 °C	778.92 µS/cm	0.44 mg/L	2.09 NTU	137.8 mV	15.80 ft	100.00 ml/min
9/14/2021 12:45 PM	20:00	5.16 pH	21.69 °C	779.91 µS/cm	0.42 mg/L	1.02 NTU	131.8 mV	15.80 ft	100.00 ml/min
9/14/2021 12:50 PM	25:00	5.15 pH	21.68 °C	777.66 µS/cm	0.40 mg/L	1.52 NTU	127.5 mV	15.80 ft	100.00 ml/min
9/14/2021 12:55 PM	30:00	5.15 pH	21.70 °C	772.42 µS/cm	0.40 mg/L	3.92 NTU	172.5 mV	15.80 ft	100.00 ml/min

Samples

Sample ID:	Description:
B-82	

Low-Flow Test Report:

Test Date / Time: 9/16/2021 10:07:36 AM

Project: Plant McDonough

Operator Name: Erin D Hondt

Location Name: 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: 29.24 ft	Pump Type: Bladder Tubing Type: Polyethylene Pump Intake From TOC: 43.9 ft Estimated Total Volume Pumped: 20400 ml Flow Cell Volume: 90 ml Final Flow Rate: 240 ml/min Final Draw Down: 0.09 ft	Instrument Used: Aqua TROLL 400 Serial Number: 728638
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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	
9/16/2021 10:07 AM	00:00	5.62 pH	21.04 °C	391.42 µS/cm	0.54 mg/L	999.00 NTU	99.1 mV	29.04 ft	240.00 ml/min
9/16/2021 10:12 AM	05:00	5.62 pH	21.06 °C	380.63 µS/cm	0.38 mg/L	999.00 NTU	134.5 mV	29.15 ft	240.00 ml/min
9/16/2021 10:17 AM	10:00	5.61 pH	21.06 °C	372.81 µS/cm	0.29 mg/L	999.00 NTU	75.6 mV	29.15 ft	240.00 ml/min
9/16/2021 10:22 AM	15:00	5.60 pH	21.05 °C	366.91 µS/cm	0.24 mg/L	999.00 NTU	131.4 mV	29.15 ft	240.00 ml/min
9/16/2021 10:27 AM	20:00	5.60 pH	21.05 °C	363.81 µS/cm	0.20 mg/L	999.00 NTU	98.6 mV	29.15 ft	240.00 ml/min
9/16/2021 10:32 AM	25:00	5.60 pH	21.02 °C	360.99 µS/cm	0.18 mg/L	999.00 NTU	131.7 mV	29.15 ft	240.00 ml/min
9/16/2021 10:37 AM	30:00	5.59 pH	21.06 °C	362.69 µS/cm	0.18 mg/L	999.00 NTU	98.3 mV	29.15 ft	240.00 ml/min
9/16/2021 10:42 AM	35:00	5.58 pH	21.06 °C	362.58 µS/cm	0.18 mg/L	71.40 NTU	96.5 mV	29.15 ft	240.00 ml/min
9/16/2021 10:47 AM	40:00	5.58 pH	21.01 °C	359.88 µS/cm	0.17 mg/L	55.20 NTU	130.5 mV	29.15 ft	240.00 ml/min
9/16/2021 10:52 AM	45:00	5.58 pH	21.01 °C	362.03 µS/cm	0.17 mg/L	27.80 NTU	97.7 mV	29.15 ft	240.00 ml/min
9/16/2021 10:57 AM	50:00	5.57 pH	20.83 °C	366.16 µS/cm	0.19 mg/L	25.20 NTU	97.0 mV	29.15 ft	240.00 ml/min
9/16/2021 11:02 AM	55:00	5.58 pH	20.83 °C	359.49 µS/cm	0.17 mg/L	18.50 NTU	131.9 mV	29.15 ft	240.00 ml/min
9/16/2021 11:07 AM	01:00:00	5.58 pH	20.83 °C	360.42 µS/cm	0.16 mg/L	16.20 NTU	135.9 mV	29.15 ft	240.00 ml/min
9/16/2021 11:12 AM	01:05:00	5.59 pH	20.87 °C	363.85 µS/cm	0.18 mg/L	12.90 NTU	100.5 mV	29.15 ft	240.00 ml/min
9/16/2021 11:17 AM	01:10:00	5.57 pH	20.90 °C	360.27 µS/cm	0.16 mg/L	8.60 NTU	134.6 mV	29.15 ft	240.00 ml/min
9/16/2021 11:22 AM	01:15:00	5.58 pH	20.86 °C	361.01 µS/cm	0.17 mg/L	7.20 NTU	138.7 mV	29.15 ft	240.00 ml/min
9/16/2021 11:27 AM	01:20:00	5.58 pH	20.88 °C	360.59 µS/cm	0.16 mg/L	4.30 NTU	102.8 mV	29.15 ft	240.00 ml/min

9/16/2021 11:32 AM	01:25:00	6.12 pH	21.00 °C	0.70 µS/cm	0.20 mg/L	1.10 NTU	50.1 mV	20.15 ft	210.00 ml/min
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Samples

Sample ID:	Description:
B-83	FB-6

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 9/13/2021 2:16:14 PM

Project: Plant McDonough (14)

Operator Name: Erik Rheams

Location Name: B-88 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 65.06 ft Total Depth: 75.06 m Initial Depth to Water: 36.75 ft	Pump Type: Dedicated bladder Tubing Type: Polyethylene Pump Intake From TOC: 70 ft Estimated Total Volume Pumped: 4400 ml Flow Cell Volume: 90 ml Final Flow Rate: 220 ml/min Final Draw Down: 0.1 ft	Instrument Used: Aqua TROLL 400 Serial Number: 850751
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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 %	+/- 5	+/- 10	+/- 0.3	
9/13/2021 2:16 PM	00:00	6.36 pH	29.29 °C	623.80 µS/cm	4.94 mg/L	4.96 NTU	57.9 mV	36.75 ft	220.00 ml/min
9/13/2021 2:21 PM	05:00	5.69 pH	20.35 °C	733.17 µS/cm	0.93 mg/L	2.32 NTU	58.8 mV	36.88 ft	220.00 ml/min
9/13/2021 2:26 PM	10:00	5.68 pH	19.86 °C	740.29 µS/cm	0.42 mg/L	1.40 NTU	57.2 mV	36.85 ft	220.00 ml/min
9/13/2021 2:31 PM	15:00	5.68 pH	19.77 °C	733.77 µS/cm	0.31 mg/L	1.82 NTU	56.8 mV	36.85 ft	220.00 ml/min
9/13/2021 2:36 PM	20:00	5.68 pH	19.72 °C	735.87 µS/cm	0.25 mg/L	2.20 NTU	55.6 mV	36.85 ft	220.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 9/15/2021 11:18:38 AM

Project: Plant McDonough (16)

Operator Name: D Fulton

Location Name: B-92 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: 5.82 ft	Pump Type: Peristaltic Tubing Type: Polyethylene Pump Intake From TOC: 24 ft Estimated Total Volume Pumped: 3.75 liter Flow Cell Volume: 90 ml Final Flow Rate: 225 ml/min Final Draw Down: 0.13 ft	Instrument Used: Aqua TROLL 400 Serial Number: 850767
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Test Notes:

Weather Conditions:

Cloudy, Rain, 80 s

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	
9/15/2021 11:18 AM	00:00	4.59 pH	24.33 °C	920.60 µS/cm	2.46 mg/L	59.20 NTU	308.5 mV	5.90 ft	150.00 ml/min
9/15/2021 11:23 AM	05:00	4.56 pH	20.84 °C	924.45 µS/cm	0.32 mg/L	3.05 NTU	453.1 mV	5.93 ft	150.00 ml/min
9/15/2021 11:28 AM	10:00	4.55 pH	20.25 °C	924.18 µS/cm	0.15 mg/L	1.46 NTU	566.4 mV	5.95 ft	225.00 ml/min
9/15/2021 11:33 AM	15:00	4.56 pH	20.13 °C	930.37 µS/cm	0.12 mg/L	2.49 NTU	471.1 mV	5.95 ft	225.00 ml/min
9/15/2021 11:38 AM	20:00	4.55 pH	20.08 °C	925.76 µS/cm	0.12 mg/L	1.78 NTU	567.8 mV	5.95 ft	225.00 ml/min

Samples

Sample ID:	Description:
B-92	

Low-Flow Test Report:

Test Date / Time: 9/15/2021 11:16:50 AM

Project: Plant McDonough

Operator Name: Jude Waguespack

Location Name: 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: 8.6 ft	Pump Type: Peristaltic Tubing Type: Polyethylene Pump Intake From TOC: 24 ft Estimated Total Volume Pumped: 3750 ml Flow Cell Volume: 90 ml Final Flow Rate: 250 ml/min Final Draw Down: 0.81 ft	Instrument Used: Aqua TROLL 400 Serial Number: 843593
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Test Notes:

DUP-5

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	
9/15/2021 11:16 AM	00:00	4.60 pH	22.39 °C	998.33 µS/cm	0.56 mg/L	3.46 NTU	360.0 mV	8.60 ft	250.00 ml/min
9/15/2021 11:21 AM	05:00	4.58 pH	20.70 °C	1,029.8 µS/cm	0.38 mg/L	2.38 NTU	474.8 mV	9.35 ft	250.00 ml/min
9/15/2021 11:26 AM	10:00	4.59 pH	20.66 °C	1,041.3 µS/cm	0.34 mg/L	1.70 NTU	563.0 mV	9.40 ft	250.00 ml/min
9/15/2021 11:31 AM	15:00	4.60 pH	20.70 °C	1,029.5 µS/cm	0.32 mg/L	2.67 NTU	521.0 mV	9.41 ft	250.00 ml/min

Samples

Sample ID:	Description:
B-93	DUP-5

Low-Flow Test Report:

Test Date / Time: 9/15/2021 12:35:28 PM

Project: Plant McDonough

Operator Name: Jude Waguespack

Location Name: B-97 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 20.71 ft Total Depth: 30.71 ft Initial Depth to Water: 6.35 ft	Pump Type: Peristaltic Tubing Type: Polyethylene Pump Intake From TOC: 25 ft Estimated Total Volume Pumped: 3750 ml Flow Cell Volume: 90 ml Final Flow Rate: 250 ml/min Final Draw Down: 0.1 ft	Instrument Used: Aqua TROLL 400 Serial Number: 843593
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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 %	+/- 5	+/- 10	+/- 0.3	
9/15/2021 12:35 PM	00:00	5.50 pH	23.93 °C	1,196.2 µS/cm	0.48 mg/L	0.84 NTU	345.8 mV	6.35 ft	250.00 ml/min
9/15/2021 12:40 PM	05:00	5.49 pH	21.43 °C	1,265.3 µS/cm	0.17 mg/L	0.62 NTU	376.8 mV	6.45 ft	250.00 ml/min
9/15/2021 12:45 PM	10:00	5.49 pH	21.23 °C	1,260.6 µS/cm	0.13 mg/L	0.75 NTU	366.4 mV	6.45 ft	250.00 ml/min
9/15/2021 12:50 PM	15:00	5.49 pH	20.98 °C	1,261.6 µS/cm	0.11 mg/L	0.98 NTU	530.9 mV	6.45 ft	250.00 ml/min

Samples

Sample ID:	Description:
B-97	FB-5

Low-Flow Test Report:

Test Date / Time: 9/15/2021 12:36:06 PM

Project: Plant McDonough (17)

Operator Name: D Fulton

Location Name: B-98 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 9.1 ft Total Depth: 19.1 ft Initial Depth to Water: 9.46 ft	Pump Type: Peristaltic Tubing Type: Polyethylene Pump Intake From TOC: 14 ft Estimated Total Volume Pumped: 7 liter Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0.18 ft	Instrument Used: Aqua TROLL 400 Serial Number: 850767
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Test Notes:

Weather Conditions:

Cloudy, 80 s

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	
9/15/2021 12:36 PM	00:00	5.91 pH	26.97 °C	860.81 µS/cm	4.04 mg/L	10.62 NTU	225.8 mV	9.53 ft	200.00 ml/min
9/15/2021 12:41 PM	05:00	5.87 pH	21.46 °C	853.93 µS/cm	0.22 mg/L	15.40 NTU	191.4 mV	9.58 ft	200.00 ml/min
9/15/2021 12:46 PM	10:00	5.71 pH	21.02 °C	814.91 µS/cm	0.14 mg/L	11.70 NTU	130.2 mV	9.60 ft	200.00 ml/min
9/15/2021 12:51 PM	15:00	5.61 pH	20.92 °C	822.19 µS/cm	0.12 mg/L	10.23 NTU	118.6 mV	9.60 ft	200.00 ml/min
9/15/2021 12:56 PM	20:00	5.52 pH	20.83 °C	833.96 µS/cm	0.10 mg/L	6.31 NTU	110.8 mV	9.60 ft	200.00 ml/min
9/15/2021 1:01 PM	25:00	5.45 pH	20.70 °C	839.62 µS/cm	0.09 mg/L	6.09 NTU	145.4 mV	9.62 ft	200.00 ml/min
9/15/2021 1:06 PM	30:00	5.41 pH	20.74 °C	849.90 µS/cm	0.09 mg/L	4.63 NTU	103.0 mV	9.63 ft	200.00 ml/min
9/15/2021 1:11 PM	35:00	5.40 pH	20.71 °C	851.03 µS/cm	0.08 mg/L	4.89 NTU	96.6 mV	9.64 ft	200.00 ml/min

Samples

Sample ID:	Description:
B-98	EB-5

Low-Flow Test Report:

Test Date / Time: 9/13/2021 3:54:15 PM

Project: Plant McDonough (15)

Operator Name: Erik Rheams

Location Name: B-100 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 37.93 ft Total Depth: 47.93 ft Initial Depth to Water: 34.88 ft	Pump Type: Dedicated bladder Tubing Type: Polyethylene Pump Intake From TOC: 42 ft Estimated Total Volume Pumped: 9600 ml Flow Cell Volume: 90 ml Final Flow Rate: 160 ml/min Final Draw Down: 0.12 ft	Instrument Used: Aqua TROLL 400 Serial Number: 850751
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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 %	+/- 5	+/- 10	+/- 0.3	
9/13/2021 3:54 PM	00:00	5.15 pH	33.05 °C	729.00 µS/cm	2.59 mg/L	78.30 NTU	42.4 mV	34.88 ft	160.00 ml/min
9/13/2021 3:59 PM	05:00	5.18 pH	25.97 °C	785.56 µS/cm	0.61 mg/L	48.00 NTU	34.9 mV	34.99 ft	160.00 ml/min
9/13/2021 4:04 PM	10:00	5.20 pH	25.35 °C	781.72 µS/cm	0.45 mg/L	25.10 NTU	32.8 mV	35.03 ft	160.00 ml/min
9/13/2021 4:09 PM	15:00	5.22 pH	24.97 °C	776.70 µS/cm	0.38 mg/L	20.00 NTU	32.0 mV	35.00 ft	160.00 ml/min
9/13/2021 4:14 PM	20:00	5.23 pH	24.43 °C	777.53 µS/cm	0.33 mg/L	17.40 NTU	31.1 mV	35.00 ft	160.00 ml/min
9/13/2021 4:19 PM	25:00	5.23 pH	24.49 °C	773.98 µS/cm	0.30 mg/L	17.00 NTU	30.3 mV	35.00 ft	160.00 ml/min
9/13/2021 4:24 PM	30:00	5.23 pH	24.79 °C	771.20 µS/cm	0.27 mg/L	11.90 NTU	29.6 mV	35.00 ft	160.00 ml/min
9/13/2021 4:29 PM	35:00	5.23 pH	25.08 °C	764.96 µS/cm	0.26 mg/L	12.50 NTU	28.9 mV	35.00 ft	160.00 ml/min
9/13/2021 4:34 PM	40:00	5.23 pH	25.82 °C	762.55 µS/cm	0.28 mg/L	11.70 NTU	27.9 mV	35.00 ft	160.00 ml/min
9/13/2021 4:39 PM	45:00	5.22 pH	26.07 °C	751.76 µS/cm	0.28 mg/L	14.20 NTU	27.6 mV	35.00 ft	160.00 ml/min
9/13/2021 4:44 PM	50:00	5.25 pH	23.30 °C	752.36 µS/cm	0.22 mg/L	10.59 NTU	29.5 mV	35.00 ft	160.00 ml/min
9/13/2021 4:49 PM	55:00	5.26 pH	22.98 °C	756.66 µS/cm	0.16 mg/L	5.34 NTU	29.6 mV	35.00 ft	160.00 ml/min
9/13/2021 4:54 PM	01:00:00	5.27 pH	23.12 °C	750.79 µS/cm	0.13 mg/L	4.33 NTU	29.3 mV	35.00 ft	160.00 ml/min

Samples

Sample ID:	Description:
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Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 9/13/2021 2:57:17 PM

Project: Plant McDonough (12)

Operator Name: D Fulton

Location Name: 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: 28.18 ft	Pump Type: Peristaltic Tubing Type: Polyethylene Pump Intake From TOC: 69 ft Estimated Total Volume Pumped: 3.03 liter Flow Cell Volume: 90 ml Final Flow Rate: 55 ml/min Final Draw Down: 2.64 ft	Instrument Used: Aqua TROLL 400 Serial Number: 850767
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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 %	+/- 5	+/- 10	+/- 0.3	
9/13/2021 2:57 PM	00:00	6.24 pH	30.46 °C	524.83 µS/cm	3.62 mg/L	53.00 NTU	69.6 mV	29.65 ft	50.00 ml/min
9/13/2021 3:02 PM	05:00	6.15 pH	26.97 °C	513.73 µS/cm	2.07 mg/L	48.00 NTU	14.1 mV	29.90 ft	50.00 ml/min
9/13/2021 3:07 PM	10:00	6.11 pH	27.00 °C	517.88 µS/cm	1.42 mg/L	19.05 NTU	38.0 mV	30.08 ft	50.00 ml/min
9/13/2021 3:12 PM	15:00	6.10 pH	27.48 °C	515.76 µS/cm	1.27 mg/L	12.30 NTU	49.9 mV	30.25 ft	60.00 ml/min
9/13/2021 3:17 PM	20:00	6.09 pH	27.71 °C	517.29 µS/cm	1.05 mg/L	8.44 NTU	58.1 mV	30.38 ft	60.00 ml/min
9/13/2021 3:22 PM	25:00	6.09 pH	27.29 °C	513.83 µS/cm	0.90 mg/L	7.33 NTU	50.1 mV	30.48 ft	60.00 ml/min
9/13/2021 3:27 PM	30:00	6.08 pH	27.16 °C	514.46 µS/cm	1.24 mg/L	4.50 NTU	64.5 mV	30.58 ft	60.00 ml/min
9/13/2021 3:32 PM	35:00	6.08 pH	27.02 °C	513.62 µS/cm	1.15 mg/L	4.06 NTU	65.9 mV	30.65 ft	60.00 ml/min
9/13/2021 3:37 PM	40:00	6.08 pH	27.12 °C	514.07 µS/cm	1.11 mg/L	3.36 NTU	65.0 mV	30.70 ft	60.00 ml/min
9/13/2021 3:42 PM	45:00	6.07 pH	27.44 °C	513.26 µS/cm	1.04 mg/L	2.87 NTU	63.4 mV	30.75 ft	55.00 ml/min
9/13/2021 3:47 PM	50:00	6.07 pH	27.99 °C	513.97 µS/cm	0.97 mg/L	2.74 NTU	49.1 mV	30.78 ft	55.00 ml/min
9/13/2021 3:52 PM	55:00	6.07 pH	26.60 °C	509.33 µS/cm	0.93 mg/L	2.36 NTU	44.7 mV	30.82 ft	55.00 ml/min

Samples

Sample ID:	Description:
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B-101D	FB-3
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Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 9/10/2021 2:07:37 PM

Project: Plant McDonough

Operator Name: K. Minkara

Location Name: 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: 29.18 ft	Pump Type: Bladder Tubing Type: Polyethylene Pump Intake From TOC: 79 ft Estimated Total Volume Pumped: 3800 ml Flow Cell Volume: 90 ml Final Flow Rate: 180 ml/min Final Draw Down: 1.02 ft	Instrument Used: Aqua TROLL 400 Serial Number: 850724
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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 %	+/- 5	+/- 10	+/- 0.3	
9/10/2021 2:07 PM	00:00	6.50 pH	30.91 °C	526.61 µS/cm	2.10 mg/L	1.11 NTU	-79.1 mV	29.18 ft	200.00 ml/min
9/10/2021 2:12 PM	05:00	5.47 pH	22.82 °C	632.25 µS/cm	0.49 mg/L	0.89 NTU	-5.9 mV	30.02 ft	200.00 ml/min
9/10/2021 2:17 PM	10:00	5.39 pH	22.31 °C	640.53 µS/cm	0.35 mg/L	1.64 NTU	19.4 mV	30.12 ft	180.00 ml/min
9/10/2021 2:22 PM	15:00	5.38 pH	22.17 °C	643.13 µS/cm	0.28 mg/L	0.95 NTU	49.1 mV	30.19 ft	180.00 ml/min
9/10/2021 2:27 PM	20:00	5.36 pH	22.05 °C	643.64 µS/cm	0.24 mg/L	0.88 NTU	55.7 mV	30.20 ft	180.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 9/14/2021 4:10:27 PM

Project: Plant McDonough (19)

Operator Name: Erik Rheams

Location Name: 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: 5.78 ft	Pump Type: Dedicated bladder Tubing Type: Polyethylene Pump Intake From TOC: 55 ft Estimated Total Volume Pumped: 3500 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 2.83 ft	Instrument Used: Aqua TROLL 400 Serial Number: 850751
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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 %	+/- 5	+/- 10	+/- 0.3	
9/14/2021 4:10 PM	00:00	6.51 pH	28.28 °C	983.32 µS/cm	1.37 mg/L	3.55 NTU	-0.7 mV	5.78 ft	100.00 ml/min
9/14/2021 4:15 PM	05:00	6.46 pH	25.97 °C	1,036.4 µS/cm	0.62 mg/L	2.46 NTU	-27.1 mV	5.95 ft	100.00 ml/min
9/14/2021 4:20 PM	10:00	6.49 pH	25.28 °C	1,035.4 µS/cm	0.48 mg/L	2.16 NTU	-50.9 mV	6.60 ft	100.00 ml/min
9/14/2021 4:25 PM	15:00	6.53 pH	24.88 °C	1,035.5 µS/cm	0.41 mg/L	2.20 NTU	-72.9 mV	7.29 ft	100.00 ml/min
9/14/2021 4:30 PM	20:00	6.56 pH	24.90 °C	1,039.1 µS/cm	0.36 mg/L	2.42 NTU	-82.8 mV	7.89 ft	100.00 ml/min
9/14/2021 4:35 PM	25:00	6.58 pH	25.08 °C	1,036.3 µS/cm	0.33 mg/L	2.50 NTU	-98.4 mV	8.31 ft	100.00 ml/min
9/14/2021 4:40 PM	30:00	6.58 pH	26.15 °C	1,052.6 µS/cm	0.36 mg/L	2.58 NTU	-99.2 mV	8.49 ft	100.00 ml/min
9/14/2021 4:45 PM	35:00	6.58 pH	27.06 °C	1,037.6 µS/cm	0.40 mg/L	2.17 NTU	-105.5 mV	8.61 ft	100.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 9/13/2021 11:54:54 AM

Project: Plant McDonough (13)

Operator Name: Erik Rheams

Location Name: 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: 38.05 ft	Pump Type: Dedicated bladder Tubing Type: Polyethylene Pump Intake From TOC: 74 ft Estimated Total Volume Pumped: 3000 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0.37 ft	Instrument Used: Aqua TROLL 400 Serial Number: 850751
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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 %	+/- 5	+/- 10	+/- 0.3	
9/13/2021 11:54 AM	00:00	6.51 pH	32.15 °C	338.70 µS/cm	2.24 mg/L	4.27 NTU	-10.5 mV	38.05 ft	200.00 ml/min
9/13/2021 11:59 AM	05:00	5.93 pH	21.24 °C	407.86 µS/cm	0.79 mg/L	2.04 NTU	14.1 mV	38.33 ft	200.00 ml/min
9/13/2021 12:04 PM	10:00	5.91 pH	20.87 °C	408.22 µS/cm	0.52 mg/L	1.35 NTU	20.3 mV	38.39 ft	200.00 ml/min
9/13/2021 12:09 PM	15:00	5.91 pH	20.62 °C	406.42 µS/cm	0.42 mg/L	2.39 NTU	23.3 mV	38.42 ft	200.00 ml/min

Samples

Sample ID:	Description:
B-106D	Dup-3

Low-Flow Test Report:

Test Date / Time: 9/13/2021 4:12:46 PM

Project: Plant McDonough (3)

Operator Name: E. Dhondt

Location Name: B-107D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 75.5 ft Total Depth: 85.5 ft Initial Depth to Water: 21.95 ft	Pump Type: Peristaltic Tubing Type: Polyethylene Pump Intake From TOC: 80.5 ft Estimated Total Volume Pumped: 21718.666 ml Flow Cell Volume: 90 ml Final Flow Rate: 280 ml/min Final Draw Down: 0.2 ft	Instrument Used: Aqua TROLL 400 Serial Number: 850724
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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 %	+/- 5	+/- 10	+/- 0.3	
9/13/2021 4:12 PM	00:00	6.91 pH	21.82 °C	255.14 µS/cm	0.18 mg/L	7.90 NTU	-80.4 mV	22.15 ft	280.00 ml/min
9/13/2021 4:17 PM	05:00	6.92 pH	21.46 °C	271.17 µS/cm	0.13 mg/L	8.47 NTU	-83.2 mV	22.15 ft	280.00 ml/min
9/13/2021 4:22 PM	10:00	6.63 pH	23.84 °C	222.10 µS/cm	1.06 mg/L	12.9 NTU	-12.9 mV	22.15 ft	280.00 ml/min
9/13/2021 4:24 PM	12:05	6.52 pH	21.95 °C	227.59 µS/cm	0.54 mg/L	13.8 NTU	7.3 mV	22.15 ft	280.00 ml/min
9/13/2021 4:27 PM	15:11	6.60 pH	21.50 °C	234.18 µS/cm	0.28 mg/L	11.6 NTU	-47.3 mV	22.15 ft	280.00 ml/min
9/13/2021 4:30 PM	17:34	6.64 pH	21.50 °C	245.09 µS/cm	0.23 mg/L	11.4 NTU	-58.2 mV	22.15 ft	280.00 ml/min
9/13/2021 4:35 PM	22:34	6.80 pH	21.96 °C	289.48 µS/cm	0.14 mg/L	11.0 NTU	-70.7 mV	22.15 ft	280.00 ml/min
9/13/2021 4:40 PM	27:34	6.73 pH	21.82 °C	330.42 µS/cm	0.11 mg/L	10.83 NTU	-68.0 mV	22.15 ft	280.00 ml/min
9/13/2021 4:45 PM	32:34	6.61 pH	22.01 °C	376.14 µS/cm	0.09 mg/L	9.54 NTU	-63.5 mV	22.15 ft	280.00 ml/min
9/13/2021 4:50 PM	37:34	6.48 pH	21.29 °C	439.92 µS/cm	0.08 mg/L	9.37 NTU	-106.8 mV	22.15 ft	280.00 ml/min
9/13/2021 4:55 PM	42:34	6.35 pH	21.73 °C	507.05 µS/cm	0.08 mg/L	7.92 NTU	-58.0 mV	22.15 ft	280.00 ml/min
9/13/2021 5:00 PM	47:34	6.22 pH	21.93 °C	579.39 µS/cm	0.07 mg/L	7.21 NTU	-54.3 mV	22.15 ft	280.00 ml/min
9/13/2021 5:05 PM	52:34	6.12 pH	21.92 °C	624.59 µS/cm	0.07 mg/L	7.39 NTU	-115.2 mV	22.15 ft	280.00 ml/min
9/13/2021 5:10 PM	57:34	6.03 pH	21.81 °C	654.95 µS/cm	0.07 mg/L	5.83 NTU	-68.7 mV	22.15 ft	280.00 ml/min
9/13/2021 5:15 PM	01:02:34	5.97 pH	21.98 °C	655.43 µS/cm	0.07 mg/L	5.76 NTU	-63.9 mV	22.15 ft	280.00 ml/min
9/13/2021 5:20 PM	01:07:34	5.92 pH	21.95 °C	658.71 µS/cm	0.06 mg/L	5.25 NTU	-55.1 mV	22.15 ft	280.00 ml/min

9/13/2021 5:25 PM	01:12:34	5.90 pH	21.82 °C	649.19 µS/cm	0.06 mg/L	4.82 NTU	-47.4 mV	22.15 ft	280.00 ml/min
9/13/2021 5:30 PM	01:17:34	5.88 pH	21.69 °C	648.52 µS/cm	0.06 mg/L	4.75 NTU	-41.7 mV	22.15 ft	280.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 9/14/2021 10:16:34 AM

Project: Plant McDonough (4)

Operator Name: E. Dhondt

Location Name: 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: 20.15 ft	Pump Type: Peristaltic Pump Tubing Type: Polyethylene Pump Intake From TOC: 74 ft Estimated Total Volume Pumped: 18200 ml Flow Cell Volume: 90 ml Final Flow Rate: 280 ml/min Final Draw Down: 0.85 ft	Instrument Used: Aqua TROLL 400 Serial Number: 850724
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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 %	+/- 5	+/- 10	+/- 0.3	
9/14/2021 10:16 AM	00:00	5.79 pH	21.82 °C	778.15 µS/cm	0.15 mg/L	4.99 NTU	35.1 mV	20.15 ft	280.00 ml/min
9/14/2021 10:21 AM	05:00	5.79 pH	21.82 °C	768.25 µS/cm	0.12 mg/L	3.54 NTU	29.0 mV	21.00 ft	280.00 ml/min
9/14/2021 10:26 AM	10:00	5.79 pH	21.65 °C	769.44 µS/cm	0.11 mg/L	3.11 NTU	23.2 mV	21.00 ft	280.00 ml/min
9/14/2021 10:31 AM	15:00	5.79 pH	21.46 °C	771.13 µS/cm	0.10 mg/L	4.06 NTU	25.1 mV	21.00 ft	280.00 ml/min
9/14/2021 10:36 AM	20:00	5.79 pH	21.51 °C	771.14 µS/cm	0.09 mg/L	4.02 NTU	19.8 mV	21.00 ft	280.00 ml/min
9/14/2021 10:41 AM	25:00	5.80 pH	21.19 °C	772.82 µS/cm	0.08 mg/L	3.99 NTU	18.9 mV	21.00 ft	280.00 ml/min
9/14/2021 10:46 AM	30:00	5.80 pH	21.49 °C	769.25 µS/cm	0.07 mg/L	3.87 NTU	23.7 mV	21.00 ft	280.00 ml/min
9/14/2021 10:51 AM	35:00	5.80 pH	21.66 °C	771.16 µS/cm	0.07 mg/L	3.85 NTU	18.9 mV	21.00 ft	280.00 ml/min
9/14/2021 10:56 AM	40:00	5.80 pH	21.52 °C	773.67 µS/cm	0.07 mg/L	3.78 NTU	25.1 mV	21.00 ft	280.00 ml/min
9/14/2021 11:01 AM	45:00	5.80 pH	21.64 °C	770.04 µS/cm	0.06 mg/L	3.77 NTU	24.3 mV	21.00 ft	280.00 ml/min
9/14/2021 11:06 AM	50:00	5.81 pH	21.41 °C	768.50 µS/cm	0.06 mg/L	2.32 NTU	25.9 mV	21.00 ft	280.00 ml/min
9/14/2021 11:11 AM	55:00	5.81 pH	21.57 °C	768.02 µS/cm	0.06 mg/L	2.18 NTU	27.3 mV	21.00 ft	280.00 ml/min
9/14/2021 11:16 AM	01:00:00	5.81 pH	21.75 °C	770.48 µS/cm	0.05 mg/L	2.22 NTU	28.7 mV	21.00 ft	280.00 ml/min
9/14/2021 11:21 AM	01:05:00	5.81 pH	21.84 °C	766.58 µS/cm	0.05 mg/L	2.38 NTU	29.9 mV	21.00 ft	280.00 ml/min

Samples

Sample ID:	Description:
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Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 9/10/2021 12:26:02 PM

Project: Plant McDonough (9)

Operator Name: Erik Rheams

Location Name: B-109D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 89 ft Total Depth: 99 ft Initial Depth to Water: 38.48 ft	Pump Type: Dedicated Tubing Type: Polyethylene Pump Intake From TOC: 94 ft Estimated Total Volume Pumped: 5880 ml Flow Cell Volume: 90 ml Final Flow Rate: 160 ml/min Final Draw Down: 0.13 ft	Instrument Used: Aqua TROLL 400 Serial Number: 850751
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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 %	+/- 5	+/- 10	+/- 0.3	
9/10/2021 12:26 PM	00:00	6.61 pH	28.83 °C	377.12 µS/cm	3.16 mg/L	6.01 NTU	-125.8 mV	38.48 ft	160.00 ml/min
9/10/2021 12:27 PM	01:45	6.67 pH	27.36 °C	365.27 µS/cm	4.07 mg/L	6.01 NTU	-118.0 mV	38.48 ft	160.00 ml/min
9/10/2021 12:32 PM	06:45	6.83 pH	25.38 °C	362.77 µS/cm	6.64 mg/L	11.20 NTU	-55.7 mV	38.56 ft	160.00 ml/min
9/10/2021 12:37 PM	11:45	6.89 pH	25.80 °C	345.76 µS/cm	7.88 mg/L	8.68 NTU	-57.7 mV	38.61 ft	160.00 ml/min
9/10/2021 12:42 PM	16:45	6.88 pH	26.42 °C	341.41 µS/cm	8.44 mg/L	8.15 NTU	-64.7 mV	38.61 ft	160.00 ml/min
9/10/2021 12:47 PM	21:45	6.87 pH	26.81 °C	333.41 µS/cm	8.63 mg/L	6.92 NTU	-77.5 mV	38.61 ft	160.00 ml/min
9/10/2021 12:52 PM	26:45	6.87 pH	26.66 °C	321.00 µS/cm	8.56 mg/L	7.46 NTU	-79.7 mV	38.61 ft	160.00 ml/min
9/10/2021 12:57 PM	31:45	6.88 pH	26.91 °C	318.32 µS/cm	8.86 mg/L	6.09 NTU	-82.6 mV	38.61 ft	160.00 ml/min
9/10/2021 1:02 PM	36:45	6.86 pH	27.11 °C	314.33 µS/cm	8.50 mg/L	3.86 NTU	-84.2 mV	38.61 ft	160.00 ml/min

Samples

Sample ID:	Description:
B-109D	EB-3

Low-Flow Test Report:

Test Date / Time: 9/14/2021 3:02:52 PM

Project: Plant McDonough (15)

Operator Name: D Fulton

Location Name: 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: 11.68 ft	Pump Type: Peristaltic Tubing Type: Polyethylene Pump Intake From TOC: 79 ft Estimated Total Volume Pumped: 3.5 liter Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 0.62 ft	Instrument Used: Aqua TROLL 400 Serial Number: 850767
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Test Notes:

Weather Conditions:

Clear,85

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	
9/14/2021 3:02 PM	00:00	6.98 pH	31.90 °C	838.10 µS/cm	4.95 mg/L	1.20 NTU	-59.0 mV	11.89 ft	150.00 ml/min
9/14/2021 3:07 PM	05:00	7.12 pH	22.76 °C	929.76 µS/cm	0.59 mg/L	2.24 NTU	-80.2 mV	12.12 ft	100.00 ml/min
9/14/2021 3:12 PM	10:00	7.14 pH	22.27 °C	939.17 µS/cm	0.41 mg/L	1.18 NTU	-131.3 mV	12.18 ft	100.00 ml/min
9/14/2021 3:17 PM	15:00	7.14 pH	22.20 °C	941.33 µS/cm	0.34 mg/L	2.63 NTU	-87.7 mV	12.22 ft	100.00 ml/min
9/14/2021 3:22 PM	20:00	7.15 pH	22.80 °C	939.47 µS/cm	0.36 mg/L	0.96 NTU	-89.6 mV	12.23 ft	100.00 ml/min
9/14/2021 3:27 PM	25:00	7.15 pH	22.32 °C	934.33 µS/cm	0.33 mg/L	2.51 NTU	-89.8 mV	12.28 ft	100.00 ml/min
9/14/2021 3:32 PM	30:00	7.18 pH	22.14 °C	937.33 µS/cm	0.32 mg/L	2.23 NTU	-90.9 mV	12.29 ft	100.00 ml/min
9/14/2021 3:37 PM	35:00	7.29 pH	22.05 °C	947.92 µS/cm	0.29 mg/L	2.12 NTU	-94.6 mV	12.30 ft	100.00 ml/min

Samples

Sample ID:	Description:
B-111D	EB-4

Low-Flow Test Report:

Test Date / Time: 9/14/2021 2:20:51 PM

Project: Plant McDonough (6)

Operator Name: E. Dhondt

Location Name: B-115D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 70 ft Total Depth: 80 ft Initial Depth to Water: 19.15 ft	Pump Type: peristaltic Tubing Type: Polyethylene Pump Intake From TOC: 75 ft Estimated Total Volume Pumped: 9112 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 5.7 ft	Instrument Used: Aqua TROLL 400 Serial Number: 850724
---	--	--

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 %	+/- 5	+/- 10	+/- 0.3	
9/14/2021 2:20 PM	00:00	5.80 pH	21.76 °C	804.21 µS/cm	0.07 mg/L	3.41 NTU	32.1 mV	23.02 ft	280.00 ml/min
9/14/2021 2:25 PM	05:00	5.57 pH	21.91 °C	742.57 µS/cm	0.73 mg/L	2.79 NTU	47.9 mV	23.78 ft	280.00 ml/min
9/14/2021 2:30 PM	10:00	5.52 pH	21.80 °C	714.11 µS/cm	0.49 mg/L	2.62 NTU	45.2 mV	24.30 ft	280.00 ml/min
9/14/2021 2:35 PM	15:00	5.47 pH	21.68 °C	699.66 µS/cm	0.34 mg/L	2.45 NTU	43.3 mV	24.64 ft	280.00 ml/min
9/14/2021 2:41 PM	20:24	5.42 pH	22.09 °C	681.07 µS/cm	0.27 mg/L	2.02 NTU	47.2 mV	24.90 ft	280.00 ml/min
9/14/2021 2:46 PM	25:24	5.39 pH	21.90 °C	664.55 µS/cm	0.21 mg/L	1.79 NTU	40.7 mV	25.00 ft	200.00 ml/min
9/14/2021 2:51 PM	30:24	5.40 pH	22.21 °C	655.61 µS/cm	0.06 mg/L	1.79 NTU	35.6 mV	24.95 ft	200.00 ml/min
9/14/2021 2:56 PM	35:24	5.38 pH	22.80 °C	639.99 µS/cm	0.04 mg/L	1.76 NTU	35.5 mV	24.85 ft	200.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 9/14/2021 2:34:49 PM

Project: Plant McDonough (18)

Operator Name: Erik Rheams

Location Name: B-120D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 60 ft Total Depth: 70 ft Initial Depth to Water: 34.52 ft	Pump Type: Dedicated bladder Tubing Type: Poly Pump Intake From TOC: 65 ft Estimated Total Volume Pumped: 3000 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0.04 ft	Instrument Used: Aqua TROLL 400 Serial Number: 850751
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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 %	+/- 5	+/- 10	+/- 0.3	
9/14/2021 2:34 PM	00:00	5.49 pH	25.99 °C	846.11 µS/cm	1.69 mg/L	6.75 NTU	77.3 mV	34.52 ft	200.00 ml/min
9/14/2021 2:39 PM	05:00	5.32 pH	21.13 °C	1,127.5 µS/cm	0.32 mg/L	3.42 NTU	93.4 mV	34.58 ft	200.00 ml/min
9/14/2021 2:44 PM	10:00	5.31 pH	20.87 °C	1,133.8 µS/cm	0.24 mg/L	2.15 NTU	100.1 mV	34.56 ft	200.00 ml/min
9/14/2021 2:49 PM	15:00	5.30 pH	20.66 °C	1,133.2 µS/cm	0.21 mg/L	2.08 NTU	102.8 mV	34.56 ft	200.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 9/9/2021 1:23:11 PM

Project: Plant McDonough (3)

Operator Name: D Fulton

Location Name: B-116D Well Diameter: 2 ft Casing Type: PVC Screen Length: 10 ft Top of Screen: 80 ft Total Depth: 90 ft Initial Depth to Water: 42.28 ft	Pump Type: Bladder Pump Tubing Type: Polyethylene Pump Intake From TOC: 85 ft Estimated Total Volume Pumped: 6 liter Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0.42 ft	Instrument Used: Aqua TROLL 400 Serial Number: 850767
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Test Notes:

Weather Conditions:

Clear, 82

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	
9/9/2021 1:23 PM	00:00	6.08 pH	27.12 °C	107.36 µS/cm	7.49 mg/L	2.08 NTU	129.4 mV	42.70 ft	225.00 ml/min
9/9/2021 1:28 PM	05:00	6.01 pH	19.63 °C	108.63 µS/cm	5.72 mg/L	2.30 NTU	82.6 mV	42.68 ft	225.00 ml/min
9/9/2021 1:33 PM	10:00	6.02 pH	19.15 °C	108.98 µS/cm	5.31 mg/L	4.57 NTU	76.7 mV	42.70 ft	200.00 ml/min
9/9/2021 1:38 PM	15:00	6.02 pH	19.15 °C	109.01 µS/cm	5.06 mg/L	4.78 NTU	75.7 mV	42.70 ft	200.00 ml/min
9/9/2021 1:43 PM	20:00	6.02 pH	19.10 °C	109.27 µS/cm	4.90 mg/L	5.00 NTU	75.0 mV	42.70 ft	200.00 ml/min
9/9/2021 1:48 PM	25:00	6.02 pH	19.15 °C	109.39 µS/cm	4.82 mg/L	3.64 NTU	75.0 mV	42.70 ft	200.00 ml/min
9/9/2021 1:53 PM	30:00	6.02 pH	19.23 °C	108.28 µS/cm	4.72 mg/L	3.76 NTU	75.1 mV	42.70 ft	200.00 ml/min

Samples

Sample ID:	Description:
B-116D	

Low-Flow Test Report:

Test Date / Time: 9/8/2021 3:44:20 PM

Project: Plant McDonough (3)

Operator Name: Erik Rheams

Location Name: B-117D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 69.03 ft Total Depth: 79.03 ft Initial Depth to Water: 28.41 ft	Pump Type: dedicated Tubing Type: Polyethylene Pump Intake From TOC: 74 ft Estimated Total Volume Pumped: 5400 ml Flow Cell Volume: 90 ml Final Flow Rate: 180 ml/min Final Draw Down: 0.92 ft	Instrument Used: Aqua TROLL 400 Serial Number: 850751
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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 %	+/- 5	+/- 10	+/- 0.3	
9/8/2021 3:44 PM	00:00	6.16 pH	25.97 °C	127.86 µS/cm	4.21 mg/L	8.02 NTU	166.9 mV	28.41 ft	180.00 ml/min
9/8/2021 3:49 PM	05:00	6.00 pH	20.57 °C	152.23 µS/cm	2.36 mg/L	19.40 NTU	129.8 mV	29.01 ft	180.00 ml/min
9/8/2021 3:54 PM	10:00	5.99 pH	20.55 °C	152.76 µS/cm	2.14 mg/L	12.30 NTU	111.2 mV	29.22 ft	180.00 ml/min
9/8/2021 3:59 PM	15:00	5.99 pH	20.51 °C	151.83 µS/cm	2.12 mg/L	8.31 NTU	103.7 mV	29.29 ft	180.00 ml/min
9/8/2021 4:04 PM	20:00	6.00 pH	19.98 °C	151.17 µS/cm	2.16 mg/L	6.67 NTU	100.8 mV	29.32 ft	180.00 ml/min
9/8/2021 4:09 PM	25:00	6.00 pH	20.04 °C	144.41 µS/cm	2.09 mg/L	6.66 NTU	100.2 mV	29.32 ft	180.00 ml/min
9/8/2021 4:14 PM	30:00	6.00 pH	20.16 °C	147.22 µS/cm	2.02 mg/L	4.88 NTU	98.3 mV	29.33 ft	180.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 9/8/2021 1:11:12 PM

Project: Plant McDonough

Operator Name: K. Minkara

Location Name: B-118 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 68.32 ft Total Depth: 78.32 ft Initial Depth to Water: 50.46 ft	Pump Type: Bladder Tubing Type: Polyethylene Pump Intake From TOC: 73 ft Estimated Total Volume Pumped: 6000 ml Flow Cell Volume: 90 ml Final Flow Rate: 240 ml/min Final Draw Down: 0.27 ft	Instrument Used: Aqua TROLL 400 Serial Number: 850724
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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 %	+/- 5	+/- 10	+/- 0.3	
9/8/2021 1:11 PM	00:00	6.08 pH	28.14 °C	102.33 µS/cm	6.23 mg/L	10.11 NTU	136.9 mV	50.46 ft	240.00 ml/min
9/8/2021 1:16 PM	05:00	6.02 pH	19.77 °C	90.18 µS/cm	5.01 mg/L	10.81 NTU	94.1 mV	50.70 ft	240.00 ml/min
9/8/2021 1:21 PM	10:00	6.02 pH	18.98 °C	90.32 µS/cm	4.87 mg/L	7.53 NTU	90.7 mV	50.73 ft	240.00 ml/min
9/8/2021 1:26 PM	15:00	6.02 pH	18.88 °C	89.52 µS/cm	4.89 mg/L	5.29 NTU	89.6 mV	50.73 ft	240.00 ml/min
9/8/2021 1:31 PM	20:00	6.01 pH	18.70 °C	89.15 µS/cm	4.81 mg/L	3.74 NTU	89.0 mV	50.73 ft	240.00 ml/min
9/8/2021 1:36 PM	25:00	6.01 pH	18.91 °C	91.98 µS/cm	4.70 mg/L	2.05 NTU	88.6 mV	50.73 ft	240.00 ml/min

Samples

Sample ID:	Description:
B-118	

Low-Flow Test Report:

Test Date / Time: 9/8/2021 2:27:01 PM

Project: Plant McDonough

Operator Name: K. Minkara

Location Name: B-119D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 97.98 ft Total Depth: 107.98 ft Initial Depth to Water: 46.88 ft	Pump Type: Bladder Tubing Type: Polyethylene Pump Intake From TOC: 103 ft Estimated Total Volume Pumped: 6600 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 3.97 ft	Instrument Used: Aqua TROLL 400 Serial Number: 850724
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Test Notes:

Well labeled as GPC-119D

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	
9/8/2021 2:27 PM	00:00	6.62 pH	24.37 °C	160.70 µS/cm	5.26 mg/L	56.40 NTU	-79.8 mV	46.88 ft	180.00 ml/min
9/8/2021 2:32 PM	05:00	7.32 pH	19.72 °C	697.68 µS/cm	0.69 mg/L	25.20 NTU	-63.3 mV	47.43 ft	180.00 ml/min
9/8/2021 2:37 PM	10:00	7.26 pH	19.33 °C	622.03 µS/cm	0.49 mg/L	14.30 NTU	-73.6 mV	48.64 ft	180.00 ml/min
9/8/2021 2:42 PM	15:00	7.07 pH	19.14 °C	530.44 µS/cm	0.59 mg/L	10.32 NTU	-35.7 mV	49.48 ft	180.00 ml/min
9/8/2021 2:47 PM	20:00	6.80 pH	19.14 °C	378.29 µS/cm	1.15 mg/L	5.34 NTU	8.3 mV	50.33 ft	100.00 ml/min
9/8/2021 2:52 PM	25:00	6.75 pH	20.06 °C	372.43 µS/cm	1.56 mg/L	4.83 NTU	22.2 mV	50.59 ft	100.00 ml/min
9/8/2021 2:57 PM	30:00	6.73 pH	20.41 °C	345.91 µS/cm	1.60 mg/L	2.62 NTU	27.7 mV	50.70 ft	100.00 ml/min
9/8/2021 3:02 PM	35:00	6.72 pH	20.57 °C	335.13 µS/cm	1.73 mg/L	3.76 NTU	33.0 mV	50.73 ft	100.00 ml/min
9/8/2021 3:07 PM	40:00	6.70 pH	20.41 °C	313.36 µS/cm	1.69 mg/L	1.57 NTU	31.1 mV	50.78 ft	100.00 ml/min
9/8/2021 3:12 PM	45:00	6.69 pH	20.43 °C	315.99 µS/cm	1.64 mg/L	0.88 NTU	37.3 mV	50.83 ft	100.00 ml/min
9/8/2021 3:17 PM	50:00	6.68 pH	20.36 °C	305.64 µS/cm	1.64 mg/L	0.93 NTU	33.6 mV	50.85 ft	100.00 ml/min

Samples

Sample ID:	Description:
B-119D	

APPENDIX A

Instrument Calibration Forms

Include daily mid-day pH check

Project Plant McDonough
 Field Staff J.Waguespack / E. Rheams / K. Minkara / D. Fulton

Instrument Calibration

Date: 09/09/21 09/13/21 09/14/21 09/14/21
 Time: 07:33 07:30 07:15

Parameter	Units	Standard	SmarTROLL SN 85075 iPad # 81	SmarTROLL SN 85075 iPad # 81	SmarTROLL SN 85075 iPad # 81	SmarTROLL SN 843917 iPad # 109
DO	% saturation	100	99.46	105.94	98.17	100.52
Conductivity	us/cm	4490	4509.7	4645.9	4257.4	4305.5
pH	S.U.	4.00	4.00	4.05	3.95	4.00
pH	S.U.	7.00	7.05	7.05	6.95	7.00
pH	S.U.	10.00	10.37	10.04	9.95	9.97
ORP	mV	228.00	228	225.3	229.4	226.1

Turbidity	Units	Standard	LaMotte SN 5990-3915	LaMotte SN 50410-3915	LaMotte SN 5990-3915	LaMotte SN 7007-1916
	NTU	0.0	0.0	0.0	0.77	0.33
	NTU	1.0	0.93	1.25	2.17	0.95
	NTU	10.0	9.03	9.87	9.109	10.14

Date: 09/10/21 09/13/21 09/14/21
 Time: 07:25 16:30 15:37

Parameter	Units	Standard	SmarTROLL SN 85075 iPad # 81	SmarTROLL SN 85075 iPad # 81	SmarTROLL SN 85075 iPad # 81	SmarTROLL SN iPad #
DO	% saturation	100	94.96			
Conductivity	us/cm	4490	4471.2			
pH	S.U.	4.00	4.02	4.03	4.01	
pH	S.U.	7.00	7.02	7.03	7.03	
pH	S.U.	10.00	10.05	9.78	9.69	
ORP	mV	228.00	234.0			

Turbidity	Units	Standard	LaMotte SN 5990-3915	LaMotte SN	LaMotte SN	LaMotte SN
	NTU	0.0	0.01			
	NTU	1.0	0.98			
	NTU	10.0	9.28			

Notes: DO - Dissolved Oxygen; us/cm - microsiemens/centimeter; ORP - oxidation-reduction potential; mV - millivolts; NTU - Nphelometric Turbidity Units; NC - Not calibrated

Project Plant McDonough *Include daily mid-day pH check*
 Field Staff J. Waguespack / E. Rheams / K. Minkara / D. Fulton

Instrument Calibration

Date: 09/15/21 09/15/21 09/16/21
 Time: 07:30 08:00 08:00

Parameter	Units	Standard	SmarTROLL SN <u>850717</u> iPad # <u>81</u>	SmarTROLL SN <u>843593</u> iPad # <u>109</u>	SmarTROLL SN <u>850717</u> iPad # <u>81</u>	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	99.83	97.73	101.90	
Conductivity	us/cm	4490	4426	4524.6	4476.6	
pH	S.U.	4.00	3.94	4.03	4.00	
pH	S.U.	7.00	6.92	7.00	7.00	
pH	S.U.	10.00	9.95	10.02	9.98	
ORP	mV	228.00	225.6	220.8	236.6	

	Units	Standard	LaMotte SN <u>5990-3915</u>	LaMotte SN <u>7007-1416</u>	LaMotte SN <u>5990-3915</u>	LaMotte SN _____
Turbidity	NTU	0.0	0.0	0.01	0.68	
	NTU	1.0	0.92	0.87	0.81	
	NTU	10.0	9.93	9.98	9.64	

Date: 09/16/21 09/16/21
 Time: 0800

Parameter	Units	Standard	SmarTROLL SN <u>843573</u> iPad # <u>109</u>	SmarTROLL SN <u>850717</u> iPad # <u>51</u>	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	101.72			
Conductivity	us/cm	4490	4535.9			
pH	S.U.	4.00	4.04	4.01		
pH	S.U.	7.00	7.06	7.03		
pH	S.U.	10.00	10.00	10.07		
ORP	mV	228.00	229.0			

	Units	Standard	LaMotte SN <u>7007-1416</u>	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____
Turbidity	NTU	0.0	0.02			
	NTU	1.0	1.18			
	NTU	10.0	10.02			

Notes: DO - Dissolved Oxygen; us/cm - microsiemens/centimeter; ORP - oxidation-reduction potential; mV - millivolts; NTU - Nephelometric Turbidity Units; NC - Not calibrated

Include daily mid-day pH check

Project Plant McDonough
 Field Staff J.Waguespack / E. Rheams / K. Minkara / D. Fulton

Instrument Calibration

Date: 09/09/21 | 9/10/21 | 9/13/21 | 9/13/21
 Time: 08:05 | 07:51 | 09:24 | 12:30

Parameter	Units	Standard	SmarTROLL SN 843593 iPad # 109	SmarTROLL SN 843593 iPad # 109	SmarTROLL SN 843593 iPad # 109	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	98.51	106.00	96.53	
Conductivity	us/cm	4490	4722.8	4491.6	4693.1	
pH	S.U.	4.00	4.01	4.01	4.12	
pH	S.U.	7.00	7.05	7.01	7.07	7.00
pH	S.U.	10.00	9.98	10.05	10.03	
ORP	mV	228.00	227	235.5	228.0	

Turbidity	Units	Standard	LaMotte SN 7007-1416	LaMotte SN 7007-1416	LaMotte SN 7007-1416	LaMotte SN _____
	NTU	0.0	0.56	0.0	0.05	
	NTU	1.0	1.15	1.08	0.98	
	NTU	10.0	9.30	7.54	8.88	

Date: 9/13/21
 Time: 11:00

Parameter	Units	Standard	SmarTROLL SN 850724 iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	100.52			
Conductivity	us/cm	4490	4684.5			
pH	S.U.	4.00	4.02			
pH	S.U.	7.00	7.03			
pH	S.U.	10.00	10.0			
ORP	mV	228.00	220.5			

Turbidity	Units	Standard	LaMotte SN 1510-4111	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____
	NTU	0.0	-0.02			
	NTU	1.0	0.84			
	NTU	10.0	12.73			

Notes: DO - Dissolved Oxygen; us/cm - microsiemens/centimeter; ORP - oxidation-reduction potential; mV - millivolts; NTU - Nephelometric Turbidity Units; NC - Not calibrated

Include daily mid-day pH check

Project Plant McDonough
 Field Staff J.Waguespack / E. Rheams / K. Minkara / D. Fulton

Instrument Calibration

Date: 9-8-21 9-7-21 9-10-21
 Time: 1110 0830 1030

Parameter	Units	Standard	SmarTROLL SN 850724 iPad # 55	SmarTROLL SN 850724 iPad # 55	SmarTROLL SN 850724 iPad # 55	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	99.83	98.53	101.94	
Conductivity	us/cm	4490	3850	5244	4796	
pH	S.U.	4.00	3.50	3.99	3.98	
pH	S.U.	7.00	7.23	7.00	7.02	
pH	S.U.	10.00	9.97	9.96	10.04	
ORP	mV	228.00	223.8	227.4	232.6	

Turbidity	Units	Standard	LaMotte SN 1510-4111	LaMotte SN 1510-4111	LaMotte SN 1510-4111	LaMotte SN _____
	NTU	0.0	0.08	0.08	0.06	
	NTU	1.0	1.09	1.00	1.11	
	NTU	10.0	9.74	10.01	9.88	

Date: 9/8/21
 Time: 7w

Parameter	Units	Standard	SmarTROLL SN 84297 iPad # 109	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____	SmarTROLL SN _____ iPad # _____
DO	% saturation	100	98.86			
Conductivity	us/cm	4490	3852.3			
pH	S.U.	4.00	4.08			
pH	S.U.	7.00	7.07			
pH	S.U.	10.00	10.37			
ORP	mV	228.00	217.8			

Turbidity	Units	Standard	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____	LaMotte SN _____
	NTU	0.0				
	NTU	1.0				
	NTU	10.0				

Notes: DO - Dissolved Oxygen; us/cm - microsiemens/centimeter; ORP - oxidation-reduction potential; mV - millivolts; NTU - Nphelometric Turbidity Units; NC - Not calibrated

APPENDIX B

Laboratory Analytical Data, Data Validation
Summaries, and Laboratory Accreditation

APPENDIX B

Laboratory Analytical Data

October 22, 2021

Joju Abraham
Georgia Power-CCR
2480 Maner Road
Atlanta, GA 30339

RE: Project: MCDONOUGH UPGRADIENT
Pace Project No.: 92560138

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between September 09, 2021 and September 10, 2021. 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 - Charlotte
- Pace Analytical Services - Peachtree Corners, GA

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

Sincerely,



Nicole D'Oleo
nicole.d'oleo@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Stephen Benda
Daniela Herrera, Golder
Ben Hodges, Georgia Power
Kristen Jurinko
J. Shelby Mobley
Charles Norton, Southern Company
Ms. Lauren Petty, Southern Company
Dawn Prell, Golder Associates Inc.
Tim Richards, Golder Associates - 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: MCDONOUGH UPGRADIENT

Pace Project No.: 92560138

Pace Analytical Services Charlotte

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078
Louisiana/NELAP Certification # LA170028
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12

South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Virginia/VELAP Certification #: 460221

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 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

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: MCDONOUGH UPGRADIENT
Pace Project No.: 92560138

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92560138001	DGWA-71	Water	09/08/21 14:40	09/09/21 08:45
92560138002	DGWA-53	Water	09/09/21 12:29	09/10/21 17:40
92560138003	DGWA-70A	Water	09/09/21 14:56	09/10/21 17:40

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: MCDONOUGH UPGRADIENT

Pace Project No.: 92560138

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92560138001	DGWA-71	EPA 6010D	KH	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92560138002	DGWA-53	EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92560138003	DGWA-70A	EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3

PASI-A = Pace Analytical Services - Asheville

PASI-C = Pace Analytical Services - Charlotte

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MCDONOUGH UPGRADIENT
Pace Project No.: 92560138

Sample: DGWA-71		Lab ID: 92560138001		Collected: 09/08/21 14:40		Received: 09/09/21 08:45		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/09/21 10:15		
pH	5.76	Std. Units			1		09/09/21 10:15		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	6.1	mg/L	1.0	0.12	1	09/11/21 09:00	09/13/21 16:43	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/11/21 09:00	09/14/21 19:08	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	09/11/21 09:00	09/14/21 19:08	7440-38-2	
Barium	0.025	mg/L	0.0050	0.00067	1	09/11/21 09:00	09/14/21 19:08	7440-39-3	
Beryllium	0.000091J	mg/L	0.00050	0.000054	1	09/11/21 09:00	09/14/21 19:08	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	09/11/21 09:00	09/14/21 19:08	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/11/21 09:00	09/14/21 19:08	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/11/21 09:00	09/14/21 19:08	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	09/11/21 09:00	09/14/21 19:08	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/11/21 09:00	09/14/21 19:08	7439-92-1	
Lithium	0.0013J	mg/L	0.030	0.00073	1	09/11/21 09:00	09/14/21 19:08	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/11/21 09:00	09/14/21 19:08	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/11/21 09:00	09/14/21 19:08	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/11/21 09:00	09/14/21 19:08	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	0.000096J	mg/L	0.00020	0.000078	1	09/21/21 07:00	09/21/21 12:09	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	75.0	mg/L	10.0	10.0	1		09/15/21 18:56		
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		09/14/21 18:43	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		09/14/21 18:43	16984-48-8	
Sulfate	6.1	mg/L	1.0	0.50	1		09/14/21 18:43	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MCDONOUGH UPGRADIENT
Pace Project No.: 92560138

Sample: DGWA-53		Lab ID: 92560138002		Collected: 09/09/21 12:29		Received: 09/10/21 17:40		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/13/21 08:32		
pH	6.41	Std. Units			1		09/13/21 08:32		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	18.3	mg/L	1.0	0.12	1	09/17/21 11:09	09/17/21 18:31	7440-70-2	M1
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/17/21 11:11	09/17/21 15:49	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	09/17/21 11:11	09/17/21 15:49	7440-38-2	
Barium	0.099	mg/L	0.0050	0.00067	1	09/17/21 11:11	09/17/21 15:49	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	09/17/21 11:11	09/17/21 15:49	7440-41-7	
Boron	0.065	mg/L	0.040	0.0086	1	09/17/21 11:11	09/17/21 15:49	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/17/21 11:11	09/17/21 15:49	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/17/21 11:11	09/17/21 15:49	7440-47-3	
Cobalt	0.0064	mg/L	0.0050	0.00039	1	09/17/21 11:11	09/17/21 15:49	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/17/21 11:11	09/17/21 15:49	7439-92-1	
Lithium	0.0091J	mg/L	0.030	0.00073	1	09/17/21 11:11	09/17/21 15:49	7439-93-2	
Molybdenum	0.025	mg/L	0.010	0.00074	1	09/17/21 11:11	09/17/21 15:49	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/17/21 11:11	09/17/21 15:49	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/17/21 11:11	09/17/21 15:49	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	0.000078	1	09/21/21 07:00	09/21/21 12:17	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	131	mg/L	10.0	10.0	1		09/15/21 18:58		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	1.8	mg/L	1.0	0.60	1		09/15/21 05:52	16887-00-6	
Fluoride	0.099J	mg/L	0.10	0.050	1		09/15/21 05:52	16984-48-8	
Sulfate	11.9	mg/L	1.0	0.50	1		09/15/21 05:52	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MCDONOUGH UPGRADIENT

Pace Project No.: 92560138

Sample: DGWA-70A		Lab ID: 92560138003		Collected: 09/09/21 14:56		Received: 09/10/21 17:40		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/13/21 08:33		
pH	5.50	Std. Units			1		09/13/21 08:33		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	5.3	mg/L	1.0	0.12	1	09/17/21 11:09	09/17/21 19:00	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0015J	mg/L	0.0030	0.00078	1	09/17/21 11:11	09/17/21 16:11	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	09/17/21 11:11	09/17/21 16:11	7440-38-2	
Barium	0.038	mg/L	0.0050	0.00067	1	09/17/21 11:11	09/17/21 16:11	7440-39-3	
Beryllium	0.000089J	mg/L	0.00050	0.000054	1	09/17/21 11:11	09/17/21 16:11	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	09/17/21 11:11	09/17/21 16:11	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/17/21 11:11	09/17/21 16:11	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/17/21 11:11	09/17/21 16:11	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	09/17/21 11:11	09/17/21 16:11	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/17/21 11:11	09/17/21 16:11	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	09/17/21 11:11	09/17/21 16:11	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/17/21 11:11	09/17/21 16:11	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/17/21 11:11	09/17/21 16:11	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/17/21 11:11	09/17/21 16:11	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	0.000078	1	09/24/21 09:45	09/27/21 15:38	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	53.0	mg/L	10.0	10.0	1		09/15/21 18:58		
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		09/15/21 06:07	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		09/15/21 06:07	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		09/15/21 06:07	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MCDONOUGH UPGRADIENT

Pace Project No.: 92560138

QC Batch: 646610

Analysis Method: EPA 6010D

QC Batch Method: EPA 3010A

Analysis Description: 6010D ATL

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92560138001

METHOD BLANK: 3391819

Matrix: Water

Associated Lab Samples: 92560138001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	09/13/21 14:48	

LABORATORY CONTROL SAMPLE: 3391820

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.1	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3391821 3391822

Parameter	Units	92558259010		3391821		3391822		% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec				
Calcium	mg/L	1.4	1	1	2.5	2.5	106	109	75-125	1	20

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MCDONOUGH UPGRADIENT
Pace Project No.: 92560138

QC Batch: 648035 Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A Analysis Description: 6010D ATL
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92560138002, 92560138003

METHOD BLANK: 3398813 Matrix: Water
Associated Lab Samples: 92560138002, 92560138003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	09/17/21 18:21	

LABORATORY CONTROL SAMPLE: 3398814

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3398815 3398816

Parameter	Units	3398815		3398816		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92560138002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Calcium	mg/L	18.3	1	1	18.8	19.3	57	102	75-125	2	20 M1

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QUALITY CONTROL DATA

Project: MCDONOUGH UPGRADIENT
Pace Project No.: 92560138

QC Batch: 646612 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92560138001

METHOD BLANK: 3391827 Matrix: Water
Associated Lab Samples: 92560138001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	09/14/21 17:25	
Arsenic	mg/L	ND	0.0050	0.0011	09/14/21 17:25	
Barium	mg/L	ND	0.0050	0.00067	09/14/21 17:25	
Beryllium	mg/L	ND	0.00050	0.000054	09/14/21 17:25	
Boron	mg/L	ND	0.040	0.0086	09/14/21 17:25	
Cadmium	mg/L	ND	0.00050	0.00011	09/14/21 17:25	
Chromium	mg/L	ND	0.0050	0.0011	09/14/21 17:25	
Cobalt	mg/L	ND	0.0050	0.00039	09/14/21 17:25	
Lead	mg/L	ND	0.0010	0.00089	09/14/21 17:25	
Lithium	mg/L	ND	0.030	0.00073	09/14/21 17:25	
Molybdenum	mg/L	ND	0.010	0.00074	09/14/21 17:25	
Selenium	mg/L	ND	0.0050	0.0014	09/14/21 17:25	
Thallium	mg/L	ND	0.0010	0.00018	09/14/21 17:25	

LABORATORY CONTROL SAMPLE: 3391828

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.099	99	80-120	
Arsenic	mg/L	0.1	0.099	99	80-120	
Barium	mg/L	0.1	0.096	96	80-120	
Beryllium	mg/L	0.1	0.098	98	80-120	
Boron	mg/L	1	1.0	101	80-120	
Cadmium	mg/L	0.1	0.095	95	80-120	
Chromium	mg/L	0.1	0.094	94	80-120	
Cobalt	mg/L	0.1	0.097	97	80-120	
Lead	mg/L	0.1	0.094	94	80-120	
Lithium	mg/L	0.1	0.099	99	80-120	
Molybdenum	mg/L	0.1	0.098	98	80-120	
Selenium	mg/L	0.1	0.098	98	80-120	
Thallium	mg/L	0.1	0.094	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3391829 3391830

Parameter	Units	92559417001 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Conc.	Spike Conc.	Conc.	Spike Conc.						
Antimony	mg/L	ND	0.1	0.1	0.10	0.10	101	100	75-125	1	20	
Arsenic	mg/L	ND	0.1	0.1	0.10	0.099	100	98	75-125	1	20	

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QUALITY CONTROL DATA

Project: MCDONOUGH UPGRADIENT

Pace Project No.: 92560138

Parameter	Units	3391829		3391830		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		92559417001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Barium	mg/L	0.028	0.1	0.1	0.13	0.13	98	99	75-125	0	20		
Beryllium	mg/L	0.00016J	0.1	0.1	0.097	0.099	97	98	75-125	2	20		
Boron	mg/L	1.2	1	1	2.3	2.5	92	116	75-125	10	20		
Cadmium	mg/L	ND	0.1	0.1	0.096	0.095	96	95	75-125	1	20		
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	102	101	75-125	0	20		
Cobalt	mg/L	ND	0.1	0.1	0.10	0.098	101	98	75-125	4	20		
Lead	mg/L	ND	0.1	0.1	0.094	0.095	94	95	75-125	1	20		
Lithium	mg/L	0.0014J	0.1	0.1	0.099	0.10	98	102	75-125	4	20		
Molybdenum	mg/L	ND	0.1	0.1	0.10	0.10	102	102	75-125	1	20		
Selenium	mg/L	0.021	0.1	0.1	0.12	0.12	100	101	75-125	1	20		
Thallium	mg/L	ND	0.1	0.1	0.095	0.097	95	97	75-125	2	20		

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QUALITY CONTROL DATA

Project: MCDONOUGH UPGRADIENT
Pace Project No.: 92560138

QC Batch: 648036 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92560138002, 92560138003

METHOD BLANK: 3398822 Matrix: Water
Associated Lab Samples: 92560138002, 92560138003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	09/17/21 15:37	
Arsenic	mg/L	ND	0.0050	0.0011	09/17/21 15:37	
Barium	mg/L	ND	0.0050	0.00067	09/17/21 15:37	
Beryllium	mg/L	ND	0.00050	0.000054	09/17/21 15:37	
Boron	mg/L	ND	0.040	0.0086	09/17/21 15:37	
Cadmium	mg/L	ND	0.00050	0.00011	09/17/21 15:37	
Chromium	mg/L	ND	0.0050	0.0011	09/17/21 15:37	
Cobalt	mg/L	ND	0.0050	0.00039	09/17/21 15:37	
Lead	mg/L	ND	0.0010	0.00089	09/17/21 15:37	
Lithium	mg/L	ND	0.030	0.00073	09/17/21 15:37	
Molybdenum	mg/L	ND	0.010	0.00074	09/17/21 15:37	
Selenium	mg/L	ND	0.0050	0.0014	09/17/21 15:37	
Thallium	mg/L	ND	0.0010	0.00018	09/17/21 15:37	

LABORATORY CONTROL SAMPLE: 3398823

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	100	80-120	
Arsenic	mg/L	0.1	0.097	97	80-120	
Barium	mg/L	0.1	0.097	97	80-120	
Beryllium	mg/L	0.1	0.097	97	80-120	
Boron	mg/L	1	1.0	101	80-120	
Cadmium	mg/L	0.1	0.099	99	80-120	
Chromium	mg/L	0.1	0.096	96	80-120	
Cobalt	mg/L	0.1	0.10	101	80-120	
Lead	mg/L	0.1	0.095	95	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	0.096	96	80-120	
Thallium	mg/L	0.1	0.094	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3398824 3398825

Parameter	Units	92560138002 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Antimony	mg/L	ND	0.1	0.1	0.10	0.10	104	103	75-125	0	20	
Arsenic	mg/L	ND	0.1	0.1	0.10	0.099	100	98	75-125	2	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MCDONOUGH UPGRADIENT

Pace Project No.: 92560138

Parameter	Units	3398824		3398825		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92560138002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Barium	mg/L	0.099	0.1	0.1	0.21	0.20	114	102	75-125	6	20		
Beryllium	mg/L	ND	0.1	0.1	0.091	0.096	91	96	75-125	5	20		
Boron	mg/L	0.065	1	1	0.97	1.0	91	97	75-125	6	20		
Cadmium	mg/L	ND	0.1	0.1	0.10	0.099	101	99	75-125	2	20		
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	103	100	75-125	3	20		
Cobalt	mg/L	0.0064	0.1	0.1	0.11	0.10	105	98	75-125	7	20		
Lead	mg/L	ND	0.1	0.1	0.099	0.099	99	98	75-125	0	20		
Lithium	mg/L	0.0091J	0.1	0.1	0.10	0.11	94	99	75-125	5	20		
Molybdenum	mg/L	0.025	0.1	0.1	0.13	0.12	101	99	75-125	2	20		
Selenium	mg/L	ND	0.1	0.1	0.093	0.095	92	95	75-125	3	20		
Thallium	mg/L	ND	0.1	0.1	0.10	0.10	100	100	75-125	0	20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MCDONOUGH UPGRADIENT
Pace Project No.: 92560138

QC Batch: 648337 Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92560138001, 92560138002

METHOD BLANK: 3400307 Matrix: Water
Associated Lab Samples: 92560138001, 92560138002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000078	09/21/21 12:04	

LABORATORY CONTROL SAMPLE: 3400308

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0025	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3400309 3400310

Parameter	Units	92561283001		3400310		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	0.0024	103	96	75-125	7	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MCDONOUGH UPGRADIENT

Pace Project No.: 92560138

QC Batch: 649458

Analysis Method: EPA 7470A

QC Batch Method: EPA 7470A

Analysis Description: 7470 Mercury

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92560138003

METHOD BLANK: 3406292

Matrix: Water

Associated Lab Samples: 92560138003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000078	09/27/21 15:32	

LABORATORY CONTROL SAMPLE: 3406293

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0028	113	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3406294 3406295

Parameter	Units	3406294		3406295		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	0.0027	0.0027	108	105	75-125	3	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MCDONOUGH UPGRADIENT
Pace Project No.: 92560138

QC Batch: 647027 Analysis Method: SM 2540C-2011
QC Batch Method: SM 2540C-2011 Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92560138001, 92560138002, 92560138003

METHOD BLANK: 3393790 Matrix: Water
Associated Lab Samples: 92560138001, 92560138002, 92560138003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	09/15/21 18:56	

LABORATORY CONTROL SAMPLE: 3393791

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	390	98	90-111	

SAMPLE DUPLICATE: 3393792

Parameter	Units	92560138001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	75.0	78.0	4	10	

SAMPLE DUPLICATE: 3393793

Parameter	Units	92560281005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	133	139	4	10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MCDONOUGH UPGRADIENT
Pace Project No.: 92560138

QC Batch: 646605 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: 92560138001

METHOD BLANK: 3391813 Matrix: Water
Associated Lab Samples: 92560138001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/13/21 00:59	
Fluoride	mg/L	ND	0.10	0.050	09/13/21 00:59	
Sulfate	mg/L	ND	1.0	0.50	09/13/21 00:59	

LABORATORY CONTROL SAMPLE: 3391814

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	47.8	96	90-110	
Fluoride	mg/L	2.5	2.4	98	90-110	
Sulfate	mg/L	50	49.2	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3391815 3391816

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92560365001 Result	Spike Conc.	Spike Conc.	Conc.								
Chloride	mg/L	8.8	50	50	50	60.2	60.8	103	104	90-110	1	10	
Fluoride	mg/L	0.12	2.5	2.5	2.5	2.7	2.8	104	105	90-110	1	10	
Sulfate	mg/L	11.1	50	50	50	63.3	63.9	104	106	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3391817 3391818

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92560722009 Result	Spike Conc.	Spike Conc.	Conc.								
Chloride	mg/L	186	50	50	50	233	234	94	96	90-110	0	10	
Fluoride	mg/L	0.24	2.5	2.5	2.5	2.9	2.9	107	108	90-110	1	10	
Sulfate	mg/L	168	50	50	50	189	190	41	43	90-110	1	10 M1	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MCDONOUGH UPGRADIENT

Pace Project No.: 92560138

QC Batch: 647162	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: 92560138002, 92560138003

METHOD BLANK: 3394748 Matrix: Water

Associated Lab Samples: 92560138002, 92560138003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/14/21 22:53	
Fluoride	mg/L	ND	0.10	0.050	09/14/21 22:53	
Sulfate	mg/L	ND	1.0	0.50	09/14/21 22:53	

LABORATORY CONTROL SAMPLE: 3394749

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.4	101	90-110	
Fluoride	mg/L	2.5	2.4	97	90-110	
Sulfate	mg/L	50	50.9	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3394750 3394751

Parameter	Units	92560938001		3394750		3394751		% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS % Rec	MSD % Rec				
Chloride	mg/L	3.0	50	50	58.4	61.9	111	118	90-110	6	10 M1
Fluoride	mg/L	0.091J	2.5	2.5	3.4	3.5	131	134	90-110	2	10 M1
Sulfate	mg/L	33.4	50	50	88.5	91.8	110	117	90-110	4	10 M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3394752 3394753

Parameter	Units	92560676003		3394752		3394753		% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS % Rec	MSD % Rec				
Chloride	mg/L	146	50	50	196	198	99	105	90-110	1	10
Fluoride	mg/L	0.29	2.5	2.5	4.9	4.8	184	179	90-110	2	10 M1
Sulfate	mg/L	140	50	50	193	195	105	109	90-110	1	10

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3394754 3394755

Parameter	Units	92560676001		3394754		3394755		% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS % Rec	MSD % Rec				
Chloride	mg/L	4.9	50	50	62.8	64.2	116	119	90-110	2	10 M1
Fluoride	mg/L	0.40	2.5	2.5	3.5	3.6	124	127	90-110	2	10 M1
Sulfate	mg/L	3.8	50	50	62.4	63.7	117	120	90-110	2	10 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.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: MCDONOUGH UPGRADIENT

Pace Project No.: 92560138

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

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: MCDONOUGH UPGRADIENT

Pace Project No.: 92560138

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92560138001	DGWA-71				
92560138002	DGWA-53				
92560138003	DGWA-70A				
92560138001	DGWA-71	EPA 3010A	646610	EPA 6010D	646635
92560138002	DGWA-53	EPA 3010A	648035	EPA 6010D	648116
92560138003	DGWA-70A	EPA 3010A	648035	EPA 6010D	648116
92560138001	DGWA-71	EPA 3005A	646612	EPA 6020B	646637
92560138002	DGWA-53	EPA 3005A	648036	EPA 6020B	648158
92560138003	DGWA-70A	EPA 3005A	648036	EPA 6020B	648158
92560138001	DGWA-71	EPA 7470A	648337	EPA 7470A	648433
92560138002	DGWA-53	EPA 7470A	648337	EPA 7470A	648433
92560138003	DGWA-70A	EPA 7470A	649458	EPA 7470A	649537
92560138001	DGWA-71	SM 2540C-2011	647027		
92560138002	DGWA-53	SM 2540C-2011	647027		
92560138003	DGWA-70A	SM 2540C-2011	647027		
92560138001	DGWA-71	EPA 300.0 Rev 2.1 1993	646605		
92560138002	DGWA-53	EPA 300.0 Rev 2.1 1993	647162		
92560138003	DGWA-70A	EPA 300.0 Rev 2.1 1993	647162		

REPORT OF LABORATORY ANALYSIS

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Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

GA Power

Project #:

WO# : 92560138

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



Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: *9/9/21*

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen?

Yes No N/A

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

Cooler Temp: *2.6* Correction Factor: Add/Subtract (°C) *-0.1*

Temp should be above freezing to 6°C

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

Cooler Temp Corrected (°C): *2.5*

USDA Regulated Soil (N/A, water sample)

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

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

			Comments/Discrepancy:
Chain of Custody Present?	<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 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 checked="" type="checkbox"/> N/A		

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

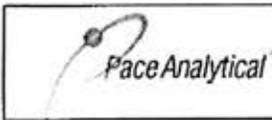
Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



Document Name:
Sample Condition Upon Receipt(SCUR)
 Document No.:
F-CAR-CS-033-Rev.07

Document Revised: October 28, 2020
 Page 2 of 2
 Issuing Authority:
 Pace Carolinas Quality Office

*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

Project #

WO# : 92560138

PM: NMG

Due Date: 09/23/21

CLIENT: GR-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)	BP4C-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)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SPST-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	V5GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
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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 DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.



Document Name:
Sample Condition Upon Receipt (SCUR)
 Document No.:
F-CAR-CS-033-Rev.07

Document Revised: October 28, 2020
 Page 1 of 2
 Issuing Authority:
 Pace Carolinas Quality Office

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

Georgia 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: MT 9/10/21

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen?

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

Yes No N/A

Cooler Temp: 3.4 Correction Factor: Add/Subtract (°C) ± 0.1

Temp should be above freezing to 6°C

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

Cooler Temp Corrected (°C): 3.5

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)?

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 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>WT</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: _____

*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

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)	BP4C-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)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-S035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SPST-125 mL Sterile Plastic (N/A - lab)	SPZT-250 mL Sterile Plastic (N/A - lab)	BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
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6	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

BPIN

N/C

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 DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

October 22, 2021

Joju Abraham
Georgia Power-CCR
2480 Maner Road
Atlanta, GA 30339

RE: Project: MCDONOUGH UPGRADIENT RADS
Pace Project No.: 92560136

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between September 09, 2021 and September 10, 2021. 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,



Nicole D'Oleo
nicole.d'oleo@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Stephen Benda
Daniela Herrera, Golder
Ben Hodges, Georgia Power
Kristen Jurinko
J. Shelby Mobley
Charles Norton, Southern Company
Ms. Lauren Petty, Southern Company
Dawn Prell, Golder Associates Inc.
Tim Richards, Golder Associates - Atlanta



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MCDONOUGH UPGRADIENT RADS
Pace Project No.: 92560136

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
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 #: PA014572018-1
New Hampshire/TNI Certification #: 297617
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 #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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SAMPLE SUMMARY

Project: MCDONOUGH UPGRADIENT RADS

Pace Project No.: 92560136

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92560136001	DGWA-71	Water	09/08/21 14:40	09/09/21 08:45
92560136002	DGWA-53	Water	09/09/21 12:29	09/10/21 17:40
92560136003	DGWA-70A	Water	09/09/21 14:56	09/10/21 17:40

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SAMPLE ANALYTE COUNT

Project: MCDONOUGH UPGRADIENT RADS

Pace Project No.: 92560136

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92560136001	DGWA-71	EPA 9315	CLA	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92560136002	DGWA-53	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JC2	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92560136003	DGWA-70A	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JC2	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH UPGRADIENT RADS

Pace Project No.: 92560136

Sample: DGWA-71 **Lab ID: 92560136001** Collected: 09/08/21 14:40 Received: 09/09/21 08:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.0510 ± 0.152 (0.378) C:99% T:NA	pCi/L	10/06/21 12:02	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	-0.185 ± 0.324 (0.789) C:67% T:102%	pCi/L	10/04/21 15:05	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.0510 ± 0.476 (1.17)	pCi/L	10/07/21 15:34	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH UPGRADIENT RADS

Pace Project No.: 92560136

Sample: DGWA-53 **Lab ID: 92560136002** Collected: 09/09/21 12:29 Received: 09/10/21 17:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	1.42 ± 0.444 (0.373) C:94% T:NA	pCi/L	10/06/21 08:25	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.30 ± 0.523 (0.809) C:66% T:86%	pCi/L	10/04/21 14:59	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	2.72 ± 0.967 (1.18)	pCi/L	10/06/21 15:27	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH UPGRADIENT RADS

Pace Project No.: 92560136

Sample: **DGWA-70A** Lab ID: **92560136003** Collected: 09/09/21 14:56 Received: 09/10/21 17:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	-0.0648 ± 0.150 (0.456) C:97% T:NA	pCi/L	10/06/21 08:25	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.779 ± 0.425 (0.759) C:67% T:90%	pCi/L	10/04/21 14:59	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.779 ± 0.575 (1.22)	pCi/L	10/06/21 15:27	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: MCDONOUGH UPGRADIENT RADS

Pace Project No.: 92560136

QC Batch: 465345

Analysis Method: EPA 9320

QC Batch Method: EPA 9320

Analysis Description: 9320 Radium 228

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92560136001

METHOD BLANK: 2247073

Matrix: Water

Associated Lab Samples: 92560136001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.306 ± 0.283 (0.572) C:72% T:95%	pCi/L	10/04/21 11:58	

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: MCDONOUGH UPGRADIENT RADS

Pace Project No.: 92560136

QC Batch: 465347

Analysis Method: EPA 9315

QC Batch Method: EPA 9315

Analysis Description: 9315 Total Radium

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92560136001

METHOD BLANK: 2247077

Matrix: Water

Associated Lab Samples: 92560136001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.0279 ± 0.217 (0.589) C:92% T:NA	pCi/L	10/06/21 12:00	

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

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QUALITY CONTROL - RADIOCHEMISTRY

Project: MCDONOUGH UPGRADIENT RADS

Pace Project No.: 92560136

QC Batch: 465343

Analysis Method: EPA 9320

QC Batch Method: EPA 9320

Analysis Description: 9320 Radium 228

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92560136002, 92560136003

METHOD BLANK: 2247069

Matrix: Water

Associated Lab Samples: 92560136002, 92560136003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.209 ± 0.287 (0.612) C:69% T:89%	pCi/L	10/04/21 11:58	

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

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QUALITY CONTROL - RADIOCHEMISTRY

Project: MCDONOUGH UPGRADIENT RADS

Pace Project No.: 92560136

QC Batch: 465344

Analysis Method: EPA 9315

QC Batch Method: EPA 9315

Analysis Description: 9315 Total Radium

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92560136002, 92560136003

METHOD BLANK: 2247072

Matrix: Water

Associated Lab Samples: 92560136002, 92560136003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.00717 ± 0.168 (0.443) C:96% T:NA	pCi/L	10/06/21 08:19	

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: MCDONOUGH UPGRADIENT RADS
Pace Project No.: 92560136

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: MCDONOUGH UPGRADIENT RADS

Pace Project No.: 92560136

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92560136001	DGWA-71	EPA 9315	465347		
92560136002	DGWA-53	EPA 9315	465344		
92560136003	DGWA-70A	EPA 9315	465344		
92560136001	DGWA-71	EPA 9320	465345		
92560136002	DGWA-53	EPA 9320	465343		
92560136003	DGWA-70A	EPA 9320	465343		
92560136001	DGWA-71	Total Radium Calculation	467213		
92560136002	DGWA-53	Total Radium Calculation	467011		
92560136003	DGWA-70A	Total Radium Calculation	467011		

REPORT OF LABORATORY ANALYSIS

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Document Name:
Sample Condition Upon Receipt(SCUR)
 Document No.:
F-CAR-CS-033-Rev.07

Document Revised: October 28, 2020
 Page 1 of 2
 Issuing Authority:
 Pace Carolinas Quality Office

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

GA Power

Project

WO# : 92560136

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



92560136

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: *9/19/21*

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

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

Cooler Temp: *2.6* Correction Factor: Add/Subtract (°C) *-0.1*

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

Cooler Temp Corrected (°C): *2.5*

USDA Regulated Soil (N/A, water sample)

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

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

			Comments/Discrepancy:
Chain of Custody Present?	<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:	<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 checked="" type="checkbox"/> N/A		

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

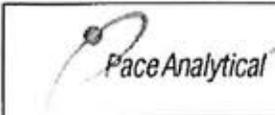
Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



Document Name:
Sample Condition Upon Receipt(SCUR)

Document Revised: October 28, 2020
Page 2 of 2

Document No.:
F-CAR-CS-033-Rev.07

Issuing Authority:
Pace Carolinas Quality Office

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

Project #

WO# : 92560136

PM: NMG

Due Date: 09/30/21

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

CLIENT: GA-GA Power

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

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)	BP4C-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)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (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)	BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
1																													
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 DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Price Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

Section A Requested Client Information: Section B Required Project Information: Section C Invoice Information:

Requested Client Information:
 Agency: Georgia Power - Coal Combustion Residuals
 2480 Meyer Road
 Atlanta, GA 30339
 Contact: jlabram@scdohemco.com
 Phone: (404) 509-7239
 Fax: [Blank]
 Requested Date: 10 Day TAT

Required Project Information:
 Report To: Joe Abraham
 Copy To: [Blank]
 Project Name: Pant McDonough Upgrade/Wis
 Project # 16884821

Invoice Information:
 Customer: Georgia Power
 Company Name: [Blank]
 Price Order: [Blank]
 Price Project Manager: Kevin Henning
 Price Profile # [Blank]

Regulatory Agency: [Blank]
 State / Location: GA

ITEM #	MATRIX	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	UNPRESERVED	H2SO4	HNO3 + Ice	HCl	NaOH + Zn Acetate	Na2S2O3	Methanol	Other	ANALYSES TEST	Y/N	Residual Chlorine (Y/N)	PH
3	DCWVA71	9/8/21	14:40		5	2	3							X	N		5.79
4														X	N		
5														X	N		
6														X	N		
7														X	N		
8														X	N		
9														X	N		
10														X	N		
11														X	N		
12														X	N		
13														X	N		
14														X	N		
15														X	N		

SPU.../SAMPLED 9/9/21 8:11
 T-ELROD 9/9/21 8:45
 Charles Pantel 9/9/21 8:05

DATE Signed: 9/9/21

TEMP in C
 Received on ice (Y/N)
 Custody Sealed Cooler (Y/N)
 Samples Intact (Y/N)



Document Name:
Sample Condition Upon Receipt (SCUR)
 Document No.:
F-CAR-CS-033-Rev.07

Document Revised: October 28, 2020
 Page 1 of 2
 Issuing Authority:
 Pace Carolinas Quality Office

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

Georgia 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: MT 9/10/21

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen?
 Yes No N/A

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

Cooler Temp: 3.4 Correction Factor: Add/Subtract (°C) ± 0.1

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

Cooler Temp Corrected (°C): 3.5

USDA Regulated Soil (N/A, water sample)

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

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

	Comments/Discrepancy:
Chain of Custody Present? <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? -Pace Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
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>WT</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: _____

*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

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)	BP4C-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)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-S035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SPST-125 mL Sterile Plastic (N/A - lab)	SPZT-250 mL Sterile Plastic (N/A - lab)	BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
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7	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
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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 DEHNR 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-226
Analyst: CLA
Date: 9/28/2021
Worksheet: 62851
Matrix: DW



Method Blank Assessment	
MB Sample ID	224-1077
MB Concentration:	-0.028
MFR Counting Uncertainty:	0.217
MB MDC:	0.589
MB Numerical Performance Indicator:	-0.25
MB Status vs Numerical Indicator:	N/A
MB Status vs MDC:	Pass

Laboratory Control Sample Assessment	LCS(DIY or 487)		LCS(D62851)	
	Count Date	Spike I.D.	Count Date	Spike I.D.
Decay Corrected Spike Concentration (pCi/ml)	19-033	10772021	10772021	10772021
Volume Used (mL)	24.033	24.033	24.033	24.033
Aliquot Volume (L, g, F)	0.10	0.10	0.10	0.10
Target Conc. (pCi/L, g, F)	0.562	0.508	0.562	0.508
Uncertainty (Calculated)	4.792	4.734	4.792	4.734
Result (pCi/L, g, F)	0.098	0.087	0.098	0.087
Percent Recovery:	4.037	4.418	4.037	4.418
Status vs Numerical Indicator:	0.623	0.646	0.623	0.646
Status vs Recovery:	-2.37	-0.95	-2.37	-0.95
Upper % Recovery Limits:	84.25%	84.25%	84.25%	84.25%
Lower % Recovery Limits:	N/A	N/A	N/A	N/A
	Pass	Pass	Pass	Pass
	125%	125%	125%	125%
	75%	75%	75%	75%

Duplicate Sample Assessment	LCS(D62851)		92560766014	
	Sample I.D.	Duplicate Sample I.D.	Sample I.D.	Duplicate Sample I.D.
Sample Result Counting Uncertainty (pCi/L, g, F)	4.037	4.037	0.428	0.428
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F)	0.623	0.623	0.225	0.225
Ave sample and/or duplicate results below RL?	N/A	N/A	0.178	0.178
Duplicate Numerical Performance Indicator	0.646	0.646	0.185	0.185
(Based on the LCS(D62851) Duplicate RPD	-0.832	-0.832	See Below	See Below
Duplicate Status vs Numerical Indicator	10.22%	10.22%	1.678 OK	1.678 OK
Duplicate Status vs RPD:	N/A	N/A	82.99%	82.99%
% RPD Limit:	Pass	Pass	N/A	N/A
	25%	25%	Fail**	Fail**
			26%	26%

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

Comments:

*** Right must be supported due to www.electroretro.com

L-MSDS N/A

10/20/21
DW

Sample Matrix Spike Control Assessment	MSMSD 1	MSMSD 2
<p>Sample Collection Date:</p> <p>Sample I.D.</p> <p>Sample MS I.D.</p> <p>Sample MS2 I.D.</p> <p>Spike I.D.:</p> <p>MSMSD 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>MSD Aliquot (L, g, F)</p> <p>MS Target Conc (pCi/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 Counting Uncertainty (pCi/L, g, F)</p> <p>Sample Matrix Spike Result</p> <p>Matrix Spike Result Counting Uncertainty (pCi/L, g, F)</p> <p>Matrix Spike Duplicate Result</p> <p>Matrix Spike Duplicate Result Counting Uncertainty (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>MSMSD Upper % Recovery Limits:</p> <p>MSMSD Lower % Recovery Limits:</p>		

Matrix Spike/Matrix Spike Duplicate Sample Assessment
<p>Sample I.D.</p> <p>Sample MS I.D.</p> <p>Sample MS2 I.D.</p> <p>Sample Matrix Spike Result</p> <p>Matrix Spike Result Counting Uncertainty (pCi/L, g, F)</p> <p>Sample Matrix Spike Duplicate Result</p> <p>Sample Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F)</p> <p>Matrix Spike Duplicate Result</p> <p>Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F)</p> <p>Duplicate Numerical Performance Indicator</p> <p>(Based on the Percent Recoveries) MS: MSD Duplicate RPD</p> <p>MS: MSD Duplicate Status vs Numerical Indicator:</p> <p>MS: MSD Duplicate Status vs RPD:</p> <p>% RPD Limit:</p>

LAM 10/17/21

Quality Control Sample Performance Assessment

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: **Re-228**
 Analyst: **JC2**
 Date: **10/17/2021**
 Worksheet: **62848**
 Matrix: **WI**



Method Blank Assessment

MB Sample ID	2247069
MB Concentration:	0.208
MB 2 Sigma CSU:	0.287
MB MDC:	0.612
MB Numerical Performance Indicator	1.43
MB Status vs Numerical Indicator:	Pass
MB Status vs MDC:	Pass

Laboratory Control Sample Assessment

	LCS0 (Y or N/P)	Y
Count Data	10/4/2021	LCS062848
Decay Corrected Spike Concentration (pCi/mL)	21-029	21-029
Volume Used (mL)	37.973	37.973
Aliquot Volume (L, g, F)	0.10	0.10
Target Conc (pCi/L, g, F)	0.807	0.812
Uncertainty (Calculated)	4.703	4.876
Result (pCi/L, g, F)	0.236	0.229
Numerical Performance Indicator	3.772	4.931
Percent Recovery	0.892	1.094
Status vs Numerical Indicator	-1.98	0.45
Upper % Recovery Limit:	80.20%	105.45%
Lower % Recovery Limit:	Pass	Pass
	135%	135%
	60%	60%

Duplicate Sample Assessment

	LCS02848	LCS062848
Sample ID:	LCS02848	LCS062848
Duplicate Sample ID:	3772	3772
Sample Result (pCi/L, g, F):	0.892	0.892
Sample Duplicate Result (pCi/L, g, F):	4.931	4.931
Sample Duplicate Result 2 (Sigma CSU (pCi/L, g, F):	1.094	1.094
Are sample and/or duplicate results below RL?	NO	NO
Duplicate Numerical Performance Indicator:	-1.609	-1.609
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	27.20%	27.20%
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:

Sample Matrix Spike Control Assessment

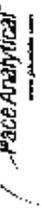
	MS/MSD 1	MS/MSD 2
Sample Collection Date		
Sample ID		
Sample MS ID		
Sample MSD ID		
Spike ID		
MS/MSD Decay Corrected Spike Concentration (pCi/mL)		
Spike Volume Used in MS (mL):		
MS Aliquot (L, g, F):		
MS Target Conc (pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc (pCi/L, g, F):		
MS Spike 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:		
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 Limit:		
MS/MSD Lower % Recovery Limit:		

Matrix Spike/Matrix Spike Duplicate Sample Assessment

	MS/MSD 1	MS/MSD 2
Sample ID:		
Sample MS ID:		
Sample MSD ID:		
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:		
(Based on the Percent Recoveries) MS/MSD Duplicate RPD:		
MS/MSD Duplicate Status vs Numerical Indicator:		
MS/MSD Duplicate Status vs RPD:		
% RPD Limit:		

10/10/21
 JC2

Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-228
 Analysis: VAL
 Date: 10/11/2021
 Worksheet: 62850
 Matrix: WWT

Method Blank Assessment

MB Sample ID	2247073
MB Concentration	0.306
MB 2 Sigma CSU	0.283
MB MDC	0.572
MB Numerical Performance Indicator	2.12
MB Status vs Numerical Indicator	Warning
MB Status vs MDC	Pass

Laboratory Control Sample Assessment

Count Data Spike I.D.	Y
10/4/2021	LCS062850
21-029	37.973
0.10	0.10
0.805	0.816
4.716	4.653
0.231	0.228
5.361	4.280
1.173	0.992
1.06	-0.72
113.68%	91.98%
N/A	N/A
Pass	Pass
135%	135%
60%	60%

Duplicate Sample Assessment

Sample I.D.	Duplicate Sample I.D.	Sample Result (pCvt., g. F.)	Duplicate Result (pCvt., g. F.)	Are sample and/or duplicate results below RL?	Duplicate Numerical Performance Indicator	Duplicate Status vs Numerical Indicator
LCS062850	LCS062850	5.361	1.173	NO	1.380	Pass
4.280	0.992	NO	21.11%	Pass	35%	Pass

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

Comments:

Sample Matrix Spike Control Assessment

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

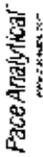
Matrix Spike/Matrix Duplicate Sample Assessment

Sample I.D.	Duplicate Sample I.D.	Sample Result (pCvt., g. F.)	Duplicate Result (pCvt., g. F.)	Are sample and/or duplicate results below RL?	Duplicate Numerical Performance Indicator	Duplicate Status vs Numerical Indicator
Sample MS I.D.	Sample MSD I.D.	Sample Matrix Spike Result	Sample Matrix Spike Duplicate Result	Sample Matrix Spike Duplicate Result	Duplicate Numerical Performance Indicator	Duplicate Status vs Numerical Indicator
Matrix Spike Result 2 Sigma CSU (pCvt., g. F.)	Matrix Spike Duplicate Result 2 Sigma CSU (pCvt., g. F.)	MS/MSD Duplicate Status vs RPD	MS/MSD Duplicate Status vs RPD	% RPD Limit		

*RELATIO
 CMA*

[Handwritten signature]

Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields Highlighted in Yellow

Test: Ra-226
Analyst: SLC
Date: 9/28/2021
Worksheet: 62849
Matrix: DW

Method Blank Assessment	MS/MSD 1	MS/MSD 2
MB Sample ID: 224-012		
MB Concentration: 0.007		
MB Counting Uncertainty: 0.168		
MB MDC: 0.443		
MB Numerical Performance Indicator: 0.08		
MB Status vs Numerical Indicator: N/A		
MB Status vs MDC: Pass		

Laboratory Control Sample Assessment	LCS ID (Y or N)†	Y
Count Date: 10/6/2021	LCS062849	
Spike ID: 19-033	10/6/2021	
Decay Corrected Spike Concentration (pCi/mL): 24.033	19-033	
Volume Used (mL): 0.10	24.033	
Aliquot Volume (L, g, F): 0.503	0.10	
Target Conc (pCi/L, g, F): 4.779	4.791	
Uncertainty (Calculated): 0.057	0.067	
Result (pCi/L, g, F): 5.249	5.218	
LCS/LCSD Counting Uncertainty (pCi/L, g, F): 0.891	0.720	
Numerical Performance Indicator: 1.33	1.16	
Percent Recovery: 109.83%	108.93%	
Status vs Numerical Indicator: N/A	N/A	
Status vs Recovery: Pass	Pass	
Upper % Recovery Limits: 125%	125%	
Lower % Recovery Limits: 75%	75%	

Duplicate Sample Assessment	LCS ID	Y
Sample ID: 92560766017	LCS062849	
Duplicate Sample ID: 92560766017	92560766017	
Sample Result (pCi/L, g, F): 0.363	0.363	
Sample Result Counting Uncertainty (pCi/L, g, F): 0.277	0.277	
Sample Duplicate Result (pCi/L, g, F): 0.174	0.174	
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F): 0.199	0.199	
Are sample and/or duplicate results below RL? NO	See Below	
Duplicate Numerical Performance Indicator: 0.680	0.680	
(Based on the LCS/LCSD Percent Recoveries) Duplicate IHD: 0.82%	0.82%	
Duplicate Status vs Numerical Indicator: N/A	N/A	
Duplicate Status vs RPD: Pass	Pass	
% RPD Limit: 25%	25%	

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date: Sample ID: Sample MS ID: Sample MSD ID: Spike I.D.:		
MS/MSD Decay Carried 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): MS Spike Uncertainty (Calculated): MS Spike Uncertainty (Calculated): MSD Spike Uncertainty (Calculated):		
Sample Result Counting Uncertainty (pCi/L, g, F): Sample Matrix Spike Result: Matrix Spike Result Counting Uncertainty (pCi/L, g, F): Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F): Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F): MS Numerical Performance Indicator: MSD Numerical Performance Indicator: MS Percent Recovery: MSD Percent Recovery: MS Status vs Numerical Indicator: MSD Status vs Numerical Indicator: MS Status vs Recovery: MSD Status vs Recovery: MS/MSD Upper % Recovery Limit: MS/MSD Lower % Recovery Limit:		

Matrix Spike/Matrix Spike Duplicate Sample Assessment	MS/MSD 1	MS/MSD 2
Sample ID: Sample MS ID: Sample MSD ID: Matrix Spike Result Counting Uncertainty (pCi/L, g, F): Sample Matrix Spike Result: Sample Matrix Spike Duplicate Result: Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F): Duplicate Numerical Performance Indicator (Based on the Percent Recoveries) MS: MSD Duplicate RPD: MS: MSD Duplicate Status vs Numerical Indicator: MS: MSD Duplicate Status vs RPD: % RPD Limit:		

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

Comments:

... Results are acceptable due to acceptable precision N/A

17/10/2021 10:01 AM

October 22, 2021

Joju Abraham
Georgia Power-CCR
2480 Maner Road
Atlanta, GA 30339

RE: Project: MCDONOUGH AP-2/3/4
Pace Project No.: 92560774

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between September 10, 2021 and September 14, 2021. 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 - Charlotte
- Pace Analytical Services - Peachtree Corners, GA

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

Sincerely,



Nicole D'Oleo
nicole.d'oleo@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Stephen Benda
Daniela Herrera, Golder
Ben Hodges, Georgia Power
Kristen Jurinko
J. Shelby Mobley
Charles Norton, Southern Company
Ms. Lauren Petty, Southern Company
Dawn Prell, Golder Associates Inc.
Tim Richards, Golder Associates - Atlanta



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MCDONOUGH AP-2/3/4
Pace Project No.: 92560774

Pace Analytical Services Charlotte

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078
Louisiana/NELAP Certification # LA170028
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12

South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Virginia/VELAP Certification #: 460221

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 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

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SAMPLE SUMMARY

Project: MCDONOUGH AP-2/3/4

Pace Project No.: 92560774

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92560774001	DGWC-2	Water	09/09/21 13:10	09/10/21 17:40
92560774002	DGWC-11	Water	09/09/21 09:55	09/10/21 17:40
92560774003	DGWC-12	Water	09/09/21 14:25	09/10/21 17:40
92560774004	DGWC-13	Water	09/09/21 15:10	09/10/21 17:40
92560774005	DGWC-14	Water	09/09/21 15:50	09/10/21 17:40
92560774006	DGWC-15	Water	09/09/21 13:49	09/10/21 17:40
92560774007	DGWC-19	Water	09/09/21 15:48	09/10/21 17:40
92560774008	DGWC-21	Water	09/09/21 12:43	09/10/21 17:40
92560774009	DGWC-23	Water	09/09/21 12:15	09/10/21 17:40
92560774010	EB-1	Water	09/09/21 16:40	09/10/21 17:40
92560774011	FB-1	Water	09/09/21 13:40	09/10/21 17:40
92560774012	DGWC-4	Water	09/10/21 11:08	09/10/21 17:40
92560774013	DGWC-5	Water	09/10/21 14:32	09/10/21 17:40
92560774014	DUP-2	Water	09/10/21 00:00	09/10/21 17:40
92560774015	DGWC-9	Water	09/10/21 11:32	09/10/21 17:40
92560774016	FB-2	Water	09/10/21 11:00	09/10/21 17:40
92560774017	DGWC-10	Water	09/10/21 13:30	09/10/21 17:40
92560774018	DGWC-20	Water	09/10/21 12:48	09/10/21 17:40
92560774019	DGWC-22	Water	09/10/21 12:58	09/10/21 17:40
92560774020	DGWC-47	Water	09/10/21 11:00	09/10/21 17:40
92560774021	DGWC-48	Water	09/10/21 10:56	09/10/21 17:40
92560774022	DUP-1	Water	09/10/21 00:00	09/10/21 17:40
92560774023	EB-2	Water	09/10/21 10:35	09/10/21 17:40
92560774024	DGWC-8	Water	09/13/21 11:00	09/14/21 09:35
92560774025	DGWC-17	Water	09/13/21 11:04	09/14/21 09:35
92560774026	DGWC-42	Water	09/13/21 15:00	09/14/21 09:35

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SAMPLE ANALYTE COUNT

Project: MCDONOUGH AP-2/3/4
Pace Project No.: 92560774

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92560774001	DGWC-2	EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92560774002	DGWC-11	EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92560774003	DGWC-12	EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92560774004	DGWC-13	EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92560774005	DGWC-14	EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92560774006	DGWC-15	EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92560774007	DGWC-19	EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92560774008	DGWC-21	EPA 6010D	DRB	1
		EPA 6020B	CW1	13

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SAMPLE ANALYTE COUNT

Project: MCDONOUGH AP-2/3/4
Pace Project No.: 92560774

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92560774009	DGWC-23	EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92560774010	EB-1	EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92560774011	FB-1	EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92560774012	DGWC-4	EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92560774013	DGWC-5	EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92560774014	DUP-2	EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92560774015	DGWC-9	EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1

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SAMPLE ANALYTE COUNT

Project: MCDONOUGH AP-2/3/4
Pace Project No.: 92560774

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92560774016	FB-2	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
92560774017	DGWC-10	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
92560774018	DGWC-20	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
92560774019	DGWC-22	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
92560774020	DGWC-47	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	KH	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
92560774021	DGWC-48	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	KH	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
92560774022	DUP-1	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	KH	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
92560774023	EB-2	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	KH	1

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: MCDONOUGH AP-2/3/4

Pace Project No.: 92560774

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92560774024	DGWC-8	EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	KH	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
92560774025	DGWC-17	SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	KH	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92560774026	DGWC-42	EPA 6010D	KH	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3

PASI-A = Pace Analytical Services - Asheville

PASI-C = Pace Analytical Services - Charlotte

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4

Pace Project No.: 92560774

Sample: DGWC-2		Lab ID: 92560774001		Collected: 09/09/21 13:10		Received: 09/10/21 17:40		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/13/21 10:05		
pH	6.00	Std. Units			1		09/13/21 10:05		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	42.0	mg/L	1.0	0.12	1	09/20/21 09:45	09/20/21 17:37	7440-70-2	M1
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/20/21 09:45	09/22/21 11:21	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	09/20/21 09:45	09/22/21 11:21	7440-38-2	
Barium	0.022	mg/L	0.0050	0.00067	1	09/20/21 09:45	09/22/21 11:21	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	09/20/21 09:45	09/22/21 11:21	7440-41-7	
Boron	0.51	mg/L	0.040	0.0086	1	09/20/21 09:45	09/22/21 11:21	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/20/21 09:45	09/22/21 11:21	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/20/21 09:45	09/22/21 11:21	7440-47-3	
Cobalt	0.0048J	mg/L	0.0050	0.00039	1	09/20/21 09:45	09/22/21 11:21	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/20/21 09:45	09/22/21 11:21	7439-92-1	
Lithium	0.024J	mg/L	0.030	0.00073	1	09/20/21 09:45	09/22/21 11:21	7439-93-2	
Molybdenum	0.0023J	mg/L	0.010	0.00074	1	09/20/21 09:45	09/22/21 11:21	7439-98-7	
Selenium	0.0031J	mg/L	0.0050	0.0014	1	09/20/21 09:45	09/22/21 11:21	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/20/21 09:45	09/22/21 11:21	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.000078	1	09/24/21 09:45	09/27/21 15:48	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	260	mg/L	10.0	10.0	1		09/16/21 14:33		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	2.1	mg/L	1.0	0.60	1		09/15/21 09:13	16887-00-6	
Fluoride	0.053J	mg/L	0.10	0.050	1		09/15/21 09:13	16984-48-8	
Sulfate	110	mg/L	2.0	1.0	2		09/15/21 19:02	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4
Pace Project No.: 92560774

Sample: DGWC-11		Lab ID: 92560774002		Collected: 09/09/21 09:55		Received: 09/10/21 17:40		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/13/21 10:05		
pH	5.59	Std. Units			1		09/13/21 10:05		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	66.8	mg/L	1.0	0.12	1	09/20/21 09:45	09/20/21 17:56	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/20/21 09:45	09/22/21 11:44	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	09/20/21 09:45	09/22/21 11:44	7440-38-2	
Barium	0.054	mg/L	0.0050	0.00067	1	09/20/21 09:45	09/22/21 11:44	7440-39-3	
Beryllium	0.00013J	mg/L	0.00050	0.000054	1	09/20/21 09:45	09/22/21 11:44	7440-41-7	
Boron	1.5	mg/L	0.040	0.0086	1	09/20/21 09:45	09/22/21 11:44	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/20/21 09:45	09/22/21 11:44	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/20/21 09:45	09/22/21 11:44	7440-47-3	
Cobalt	0.00081J	mg/L	0.0050	0.00039	1	09/20/21 09:45	09/22/21 11:44	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/20/21 09:45	09/22/21 11:44	7439-92-1	
Lithium	0.0029J	mg/L	0.030	0.00073	1	09/20/21 09:45	09/22/21 11:44	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/20/21 09:45	09/22/21 11:44	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/20/21 09:45	09/22/21 11:44	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/20/21 09:45	09/22/21 11:44	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	0.000078	1	09/24/21 09:45	09/27/21 15:51	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	433	mg/L	10.0	10.0	1		09/16/21 14:33		
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		09/15/21 09:28	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		09/15/21 09:28	16984-48-8	
Sulfate	247	mg/L	6.0	3.0	6		09/15/21 19:18	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4
Pace Project No.: 92560774

Sample: DGWC-12		Lab ID: 92560774003		Collected: 09/09/21 14:25		Received: 09/10/21 17:40		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/13/21 10:05		
pH	6.07	Std. Units			1		09/13/21 10:05		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	29.2	mg/L	1.0	0.12	1	09/20/21 09:45	09/20/21 18:11	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/20/21 09:45	09/22/21 11:49	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	09/20/21 09:45	09/22/21 11:49	7440-38-2	
Barium	0.040	mg/L	0.0050	0.00067	1	09/20/21 09:45	09/22/21 11:49	7440-39-3	
Beryllium	0.000084J	mg/L	0.00050	0.000054	1	09/20/21 09:45	09/22/21 11:49	7440-41-7	
Boron	2.0	mg/L	0.040	0.0086	1	09/20/21 09:45	09/22/21 11:49	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/20/21 09:45	09/22/21 11:49	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/20/21 09:45	09/22/21 11:49	7440-47-3	
Cobalt	0.034	mg/L	0.0050	0.00039	1	09/20/21 09:45	09/22/21 11:49	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/20/21 09:45	09/22/21 11:49	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	09/20/21 09:45	09/22/21 11:49	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/20/21 09:45	09/22/21 11:49	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/20/21 09:45	09/22/21 11:49	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/20/21 09:45	09/22/21 11:49	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	0.000078	1	09/24/21 09:45	09/27/21 15:53	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	275	mg/L	10.0	10.0	1		09/16/21 14:33		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	8.5	mg/L	1.0	0.60	1		09/15/21 09:44	16887-00-6	
Fluoride	0.099J	mg/L	0.10	0.050	1		09/15/21 09:44	16984-48-8	
Sulfate	126	mg/L	3.0	1.5	3		09/15/21 19:34	14808-79-8	

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4
Pace Project No.: 92560774

Sample: DGWC-13		Lab ID: 92560774004		Collected: 09/09/21 15:10		Received: 09/10/21 17:40		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/13/21 10:05		
pH	5.69	Std. Units			1		09/13/21 10:05		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	38.2	mg/L	1.0	0.12	1	09/20/21 09:45	09/20/21 18:16	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/20/21 09:45	09/22/21 11:55	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	09/20/21 09:45	09/22/21 11:55	7440-38-2	
Barium	0.027	mg/L	0.0050	0.00067	1	09/20/21 09:45	09/22/21 11:55	7440-39-3	
Beryllium	0.000070J	mg/L	0.00050	0.000054	1	09/20/21 09:45	09/22/21 11:55	7440-41-7	
Boron	0.62	mg/L	0.040	0.0086	1	09/20/21 09:45	09/22/21 11:55	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/20/21 09:45	09/22/21 11:55	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/20/21 09:45	09/22/21 11:55	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	09/20/21 09:45	09/22/21 11:55	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/20/21 09:45	09/22/21 11:55	7439-92-1	
Lithium	0.0036J	mg/L	0.030	0.00073	1	09/20/21 09:45	09/22/21 11:55	7439-93-2	
Molybdenum	0.011	mg/L	0.010	0.00074	1	09/20/21 09:45	09/22/21 11:55	7439-98-7	
Selenium	0.0060	mg/L	0.0050	0.0014	1	09/20/21 09:45	09/22/21 11:55	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/20/21 09:45	09/22/21 11:55	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	0.000078	1	09/24/21 09:45	09/27/21 15:56	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	246	mg/L	10.0	10.0	1		09/16/21 14:33		
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		09/15/21 09:59	16887-00-6	
Fluoride	0.083J	mg/L	0.10	0.050	1		09/15/21 09:59	16984-48-8	
Sulfate	127	mg/L	3.0	1.5	3		09/15/21 19:49	14808-79-8	

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4

Pace Project No.: 92560774

Sample: DGWC-14		Lab ID: 92560774005		Collected: 09/09/21 15:50		Received: 09/10/21 17:40		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/13/21 10:06		
pH	5.70	Std. Units			1		09/13/21 10:06		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	11.1	mg/L	1.0	0.12	1	09/20/21 09:45	09/20/21 18:21	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/20/21 09:45	09/22/21 12:15	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	09/20/21 09:45	09/22/21 12:15	7440-38-2	
Barium	0.059	mg/L	0.0050	0.00067	1	09/20/21 09:45	09/22/21 12:15	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	09/20/21 09:45	09/22/21 12:15	7440-41-7	
Boron	0.080	mg/L	0.040	0.0086	1	09/20/21 09:45	09/22/21 12:15	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/20/21 09:45	09/22/21 12:15	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/20/21 09:45	09/22/21 12:15	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	09/20/21 09:45	09/22/21 12:15	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/20/21 09:45	09/22/21 12:15	7439-92-1	
Lithium	0.0044J	mg/L	0.030	0.00073	1	09/20/21 09:45	09/22/21 12:15	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/20/21 09:45	09/22/21 12:15	7439-98-7	
Selenium	0.0017J	mg/L	0.0050	0.0014	1	09/20/21 09:45	09/22/21 12:15	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/20/21 09:45	09/22/21 12:15	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	0.000078	1	09/24/21 09:45	09/27/21 16:07	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	99.0	mg/L	10.0	10.0	1		09/16/21 14:33		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	3.3	mg/L	1.0	0.60	1		09/15/21 10:15	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		09/15/21 10:15	16984-48-8	
Sulfate	42.3	mg/L	1.0	0.50	1		09/15/21 10:15	14808-79-8	

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4

Pace Project No.: 92560774

Sample: DGWC-15		Lab ID: 92560774006		Collected: 09/09/21 13:49		Received: 09/10/21 17:40		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/13/21 10:06		
pH	5.83	Std. Units			1		09/13/21 10:06		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	34.4	mg/L	1.0	0.12	1	09/20/21 09:45	09/20/21 18:25	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/20/21 09:45	09/22/21 12:20	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	09/20/21 09:45	09/22/21 12:20	7440-38-2	
Barium	0.041	mg/L	0.0050	0.00067	1	09/20/21 09:45	09/22/21 12:20	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	09/20/21 09:45	09/22/21 12:20	7440-41-7	
Boron	1.6	mg/L	0.040	0.0086	1	09/20/21 09:45	09/22/21 12:20	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/20/21 09:45	09/22/21 12:20	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/20/21 09:45	09/22/21 12:20	7440-47-3	
Cobalt	0.0016J	mg/L	0.0050	0.00039	1	09/20/21 09:45	09/22/21 12:20	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/20/21 09:45	09/22/21 12:20	7439-92-1	
Lithium	0.0057J	mg/L	0.030	0.00073	1	09/20/21 09:45	09/22/21 12:20	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/20/21 09:45	09/22/21 12:20	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/20/21 09:45	09/22/21 12:20	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/20/21 09:45	09/22/21 12:20	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	0.000078	1	09/24/21 09:45	09/27/21 16:09	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	292	mg/L	10.0	10.0	1		09/16/21 14:33		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	21.9	mg/L	1.0	0.60	1		09/15/21 10:30	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		09/15/21 10:30	16984-48-8	
Sulfate	139	mg/L	3.0	1.5	3		09/15/21 20:36	14808-79-8	

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4
Pace Project No.: 92560774

Sample: DGWC-19		Lab ID: 92560774007		Collected: 09/09/21 15:48	Received: 09/10/21 17:40	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/13/21 10:06		
pH	4.82	Std. Units			1		09/13/21 10:06		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	93.6	mg/L	1.0	0.12	1	09/20/21 09:45	09/20/21 18:30	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/20/21 09:45	09/22/21 12:26	7440-36-0	
Arsenic	0.0027J	mg/L	0.0050	0.0011	1	09/20/21 09:45	09/22/21 12:26	7440-38-2	
Barium	0.025	mg/L	0.0050	0.00067	1	09/20/21 09:45	09/22/21 12:26	7440-39-3	
Beryllium	0.0022	mg/L	0.00050	0.000054	1	09/20/21 09:45	09/22/21 12:26	7440-41-7	
Boron	2.7	mg/L	0.040	0.0086	1	09/20/21 09:45	09/22/21 12:26	7440-42-8	
Cadmium	0.00037J	mg/L	0.00050	0.00011	1	09/20/21 09:45	09/22/21 12:26	7440-43-9	
Chromium	0.0030J	mg/L	0.0050	0.0011	1	09/20/21 09:45	09/22/21 12:26	7440-47-3	
Cobalt	0.055	mg/L	0.0050	0.00039	1	09/20/21 09:45	09/22/21 12:26	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/20/21 09:45	09/22/21 12:26	7439-92-1	
Lithium	0.0035J	mg/L	0.030	0.00073	1	09/20/21 09:45	09/22/21 12:26	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/20/21 09:45	09/22/21 12:26	7439-98-7	
Selenium	0.0083	mg/L	0.0050	0.0014	1	09/20/21 09:45	09/22/21 12:26	7782-49-2	
Thallium	0.00056J	mg/L	0.0010	0.00018	1	09/20/21 09:45	09/22/21 12:26	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.000078	1	09/24/21 09:45	09/27/21 16:12	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	480	mg/L	20.0	20.0	1		09/16/21 14:34		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	25.4	mg/L	1.0	0.60	1		09/15/21 11:17	16887-00-6	
Fluoride	0.18	mg/L	0.10	0.050	1		09/15/21 11:17	16984-48-8	
Sulfate	315	mg/L	7.0	3.5	7		09/15/21 20:51	14808-79-8	

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4
Pace Project No.: 92560774

Sample: DGWC-21		Lab ID: 92560774008		Collected: 09/09/21 12:43	Received: 09/10/21 17:40	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/13/21 10:06		
pH	5.73	Std. Units			1		09/13/21 10:06		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	75.3	mg/L	1.0	0.12	1	09/20/21 09:45	09/20/21 18:35	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/20/21 09:45	09/22/21 12:32	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	09/20/21 09:45	09/22/21 12:32	7440-38-2	
Barium	0.023	mg/L	0.0050	0.00067	1	09/20/21 09:45	09/22/21 12:32	7440-39-3	
Beryllium	0.00018J	mg/L	0.00050	0.000054	1	09/20/21 09:45	09/22/21 12:32	7440-41-7	
Boron	5.8	mg/L	0.040	0.0086	1	09/20/21 09:45	09/22/21 12:32	7440-42-8	
Cadmium	0.00012J	mg/L	0.00050	0.00011	1	09/20/21 09:45	09/22/21 12:32	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/20/21 09:45	09/22/21 12:32	7440-47-3	
Cobalt	0.0096	mg/L	0.0050	0.00039	1	09/20/21 09:45	09/22/21 12:32	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/20/21 09:45	09/22/21 12:32	7439-92-1	
Lithium	0.0060J	mg/L	0.030	0.00073	1	09/20/21 09:45	09/22/21 12:32	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/20/21 09:45	09/22/21 12:32	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/20/21 09:45	09/22/21 12:32	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/20/21 09:45	09/22/21 12:32	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	0.000078	1	09/24/21 09:45	09/27/21 16:15	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	396	mg/L	10.0	10.0	1		09/16/21 14:34		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	20.2	mg/L	1.0	0.60	1		09/15/21 11:32	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		09/15/21 11:32	16984-48-8	
Sulfate	238	mg/L	5.0	2.5	5		09/15/21 21:06	14808-79-8	

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4
Pace Project No.: 92560774

Sample: DGWC-23		Lab ID: 92560774009		Collected: 09/09/21 12:15		Received: 09/10/21 17:40		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/13/21 10:06		
pH	6.00	Std. Units			1		09/13/21 10:06		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	76.4	mg/L	1.0	0.12	1	09/20/21 09:45	09/20/21 18:39	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/20/21 09:45	09/22/21 12:38	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	09/20/21 09:45	09/22/21 12:38	7440-38-2	
Barium	0.021	mg/L	0.0050	0.00067	1	09/20/21 09:45	09/22/21 12:38	7440-39-3	
Beryllium	0.00050J	mg/L	0.00050	0.000054	1	09/20/21 09:45	09/22/21 12:38	7440-41-7	
Boron	4.7	mg/L	0.040	0.0086	1	09/20/21 09:45	09/22/21 12:38	7440-42-8	
Cadmium	0.00019J	mg/L	0.00050	0.00011	1	09/20/21 09:45	09/22/21 12:38	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/20/21 09:45	09/22/21 12:38	7440-47-3	
Cobalt	0.00049J	mg/L	0.0050	0.00039	1	09/20/21 09:45	09/22/21 12:38	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/20/21 09:45	09/22/21 12:38	7439-92-1	
Lithium	0.0081J	mg/L	0.030	0.00073	1	09/20/21 09:45	09/22/21 12:38	7439-93-2	
Molybdenum	0.010	mg/L	0.010	0.00074	1	09/20/21 09:45	09/22/21 12:38	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/20/21 09:45	09/22/21 12:38	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/20/21 09:45	09/22/21 12:38	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	0.00011J	mg/L	0.00020	0.000078	1	09/24/21 09:45	09/27/21 16:17	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	455	mg/L	10.0	10.0	1		09/16/21 14:34		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	12.3	mg/L	1.0	0.60	1		09/15/21 11:47	16887-00-6	M1
Fluoride	0.084J	mg/L	0.10	0.050	1		09/15/21 11:47	16984-48-8	M1
Sulfate	217	mg/L	5.0	2.5	5		09/15/21 21:21	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4

Pace Project No.: 92560774

Sample: EB-1		Lab ID: 92560774010		Collected: 09/09/21 16:40	Received: 09/10/21 17:40	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	ND	mg/L	1.0	0.12	1	09/20/21 09:45	09/20/21 18:44	7440-70-2		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00078	1	09/20/21 09:45	09/22/21 12:43	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0011	1	09/20/21 09:45	09/22/21 12:43	7440-38-2		
Barium	ND	mg/L	0.0050	0.00067	1	09/20/21 09:45	09/22/21 12:43	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	09/20/21 09:45	09/22/21 12:43	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	09/20/21 09:45	09/22/21 12:43	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	09/20/21 09:45	09/22/21 12:43	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	09/20/21 09:45	09/22/21 12:43	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	09/20/21 09:45	09/22/21 12:43	7440-48-4		
Lead	ND	mg/L	0.0010	0.00089	1	09/20/21 09:45	09/22/21 12:43	7439-92-1		
Lithium	ND	mg/L	0.030	0.00073	1	09/20/21 09:45	09/22/21 12:43	7439-93-2		
Molybdenum	ND	mg/L	0.010	0.00074	1	09/20/21 09:45	09/22/21 12:43	7439-98-7		
Selenium	ND	mg/L	0.0050	0.0014	1	09/20/21 09:45	09/22/21 12:43	7782-49-2		
Thallium	ND	mg/L	0.0010	0.00018	1	09/20/21 09:45	09/22/21 12:43	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	0.000078	1	09/24/21 09:45	09/27/21 16:20	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		09/16/21 14:34			
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		09/15/21 12:34	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		09/15/21 12:34	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		09/15/21 12:34	14808-79-8		

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4

Pace Project No.: 92560774

Sample: FB-1		Lab ID: 92560774011		Collected: 09/09/21 13:40		Received: 09/10/21 17:40		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	ND	mg/L	1.0	0.12	1	09/20/21 09:45	09/20/21 18:49	7440-70-2		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00078	1	09/20/21 09:45	09/22/21 12:49	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0011	1	09/20/21 09:45	09/22/21 12:49	7440-38-2		
Barium	ND	mg/L	0.0050	0.00067	1	09/20/21 09:45	09/22/21 12:49	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	09/20/21 09:45	09/22/21 12:49	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	09/20/21 09:45	09/22/21 12:49	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	09/20/21 09:45	09/22/21 12:49	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	09/20/21 09:45	09/22/21 12:49	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	09/20/21 09:45	09/22/21 12:49	7440-48-4		
Lead	ND	mg/L	0.0010	0.00089	1	09/20/21 09:45	09/22/21 12:49	7439-92-1		
Lithium	ND	mg/L	0.030	0.00073	1	09/20/21 09:45	09/22/21 12:49	7439-93-2		
Molybdenum	ND	mg/L	0.010	0.00074	1	09/20/21 09:45	09/22/21 12:49	7439-98-7		
Selenium	ND	mg/L	0.0050	0.0014	1	09/20/21 09:45	09/22/21 12:49	7782-49-2		
Thallium	ND	mg/L	0.0010	0.00018	1	09/20/21 09:45	09/22/21 12:49	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	0.000078	1	09/24/21 09:45	09/27/21 16:23	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		09/16/21 14:34			
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		09/15/21 12:49	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		09/15/21 12:49	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		09/15/21 12:49	14808-79-8		

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4

Pace Project No.: 92560774

Sample: DGWC-4		Lab ID: 92560774012		Collected: 09/10/21 11:08		Received: 09/10/21 17:40		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/13/21 10:07		
pH	5.83	Std. Units			1		09/13/21 10:07		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	285	mg/L	1.0	0.12	1	09/20/21 09:45	09/20/21 18:54	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/20/21 09:45	09/22/21 12:55	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	09/20/21 09:45	09/22/21 12:55	7440-38-2	
Barium	0.032	mg/L	0.0050	0.00067	1	09/20/21 09:45	09/22/21 12:55	7440-39-3	
Beryllium	0.00028J	mg/L	0.00050	0.000054	1	09/20/21 09:45	09/22/21 12:55	7440-41-7	
Boron	5.0	mg/L	0.040	0.0086	1	09/20/21 09:45	09/22/21 12:55	7440-42-8	
Cadmium	0.00090	mg/L	0.00050	0.00011	1	09/20/21 09:45	09/22/21 12:55	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/20/21 09:45	09/22/21 12:55	7440-47-3	
Cobalt	0.0019J	mg/L	0.0050	0.00039	1	09/20/21 09:45	09/22/21 12:55	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/20/21 09:45	09/22/21 12:55	7439-92-1	
Lithium	0.0035J	mg/L	0.030	0.00073	1	09/20/21 09:45	09/22/21 12:55	7439-93-2	
Molybdenum	0.0052J	mg/L	0.010	0.00074	1	09/20/21 09:45	09/22/21 12:55	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/20/21 09:45	09/22/21 12:55	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/20/21 09:45	09/22/21 12:55	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	0.000078	1	09/24/21 09:45	09/27/21 16:25	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	1520	mg/L	50.0	50.0	1		09/16/21 14:40		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	13.9	mg/L	1.0	0.60	1		09/15/21 13:05	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		09/15/21 13:05	16984-48-8	
Sulfate	823	mg/L	18.0	9.0	18		09/15/21 22:07	14808-79-8	

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4

Pace Project No.: 92560774

Sample: DGWC-5		Lab ID: 92560774013		Collected: 09/10/21 14:32		Received: 09/10/21 17:40		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/13/21 10:07		
pH	4.89	Std. Units			1		09/13/21 10:07		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	123	mg/L	1.0	0.12	1	09/20/21 09:45	09/20/21 19:09	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/20/21 09:45	09/22/21 13:00	7440-36-0	
Arsenic	0.0031J	mg/L	0.0050	0.0011	1	09/20/21 09:45	09/22/21 13:00	7440-38-2	
Barium	0.015	mg/L	0.0050	0.00067	1	09/20/21 09:45	09/22/21 13:00	7440-39-3	
Beryllium	0.0075	mg/L	0.00050	0.000054	1	09/20/21 09:45	09/22/21 13:00	7440-41-7	
Boron	4.7	mg/L	0.040	0.0086	1	09/20/21 09:45	09/22/21 13:00	7440-42-8	
Cadmium	0.00093	mg/L	0.00050	0.00011	1	09/20/21 09:45	09/22/21 13:00	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/20/21 09:45	09/22/21 13:00	7440-47-3	
Cobalt	0.022	mg/L	0.0050	0.00039	1	09/20/21 09:45	09/22/21 13:00	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/20/21 09:45	09/22/21 13:00	7439-92-1	
Lithium	0.0071J	mg/L	0.030	0.00073	1	09/20/21 09:45	09/22/21 13:00	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/20/21 09:45	09/22/21 13:00	7439-98-7	
Selenium	0.0099	mg/L	0.0050	0.0014	1	09/20/21 09:45	09/22/21 13:00	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/20/21 09:45	09/22/21 13:00	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	0.00030	mg/L	0.00020	0.000078	1	09/24/21 09:45	09/27/21 16:28	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	792	mg/L	20.0	20.0	1		09/16/21 14:40		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	9.9	mg/L	1.0	0.60	1		09/15/21 13:20	16887-00-6	
Fluoride	0.16	mg/L	0.10	0.050	1		09/15/21 13:20	16984-48-8	
Sulfate	449	mg/L	10.0	5.0	10		09/15/21 22:22	14808-79-8	

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4
Pace Project No.: 92560774

Sample: DUP-2		Lab ID: 92560774014		Collected: 09/10/21 00:00	Received: 09/10/21 17:40	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	283	mg/L	1.0	0.12	1	09/20/21 09:45	09/20/21 19:14	7440-70-2		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00078	1	09/20/21 09:45	09/22/21 13:06	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0011	1	09/20/21 09:45	09/22/21 13:06	7440-38-2		
Barium	0.032	mg/L	0.0050	0.00067	1	09/20/21 09:45	09/22/21 13:06	7440-39-3		
Beryllium	0.00029J	mg/L	0.00050	0.000054	1	09/20/21 09:45	09/22/21 13:06	7440-41-7		
Boron	5.2	mg/L	0.040	0.0086	1	09/20/21 09:45	09/22/21 13:06	7440-42-8		
Cadmium	0.00089	mg/L	0.00050	0.00011	1	09/20/21 09:45	09/22/21 13:06	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	09/20/21 09:45	09/22/21 13:06	7440-47-3		
Cobalt	0.0019J	mg/L	0.0050	0.00039	1	09/20/21 09:45	09/22/21 13:06	7440-48-4		
Lead	ND	mg/L	0.0010	0.00089	1	09/20/21 09:45	09/22/21 13:06	7439-92-1		
Lithium	0.0036J	mg/L	0.030	0.00073	1	09/20/21 09:45	09/22/21 13:06	7439-93-2		
Molybdenum	0.0051J	mg/L	0.010	0.00074	1	09/20/21 09:45	09/22/21 13:06	7439-98-7		
Selenium	ND	mg/L	0.0050	0.0014	1	09/20/21 09:45	09/22/21 13:06	7782-49-2		
Thallium	ND	mg/L	0.0010	0.00018	1	09/20/21 09:45	09/22/21 13:06	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	0.000078	1	09/24/21 09:45	09/27/21 16:30	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	1490	mg/L	50.0	50.0	1		09/16/21 14:40			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	13.9	mg/L	1.0	0.60	1		09/15/21 13:36	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		09/15/21 13:36	16984-48-8		
Sulfate	829	mg/L	18.0	9.0	18		09/15/21 22:37	14808-79-8		

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4
Pace Project No.: 92560774

Sample: DGWC-9		Lab ID: 92560774015		Collected: 09/10/21 11:32		Received: 09/10/21 17:40		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/13/21 10:07		
pH	3.98	Std. Units			1		09/13/21 10:07		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	47.7	mg/L	1.0	0.12	1	09/20/21 09:45	09/20/21 19:19	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/20/21 09:45	09/22/21 17:33	7440-36-0	
Arsenic	0.031	mg/L	0.0050	0.0011	1	09/20/21 09:45	09/22/21 17:33	7440-38-2	
Barium	0.014	mg/L	0.0050	0.00067	1	09/20/21 09:45	09/22/21 17:33	7440-39-3	
Beryllium	0.0049	mg/L	0.00050	0.000054	1	09/20/21 09:45	09/22/21 17:33	7440-41-7	
Boron	0.54	mg/L	0.040	0.0086	1	09/20/21 09:45	09/22/21 17:33	7440-42-8	
Cadmium	0.00053	mg/L	0.00050	0.00011	1	09/20/21 09:45	09/22/21 17:33	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/20/21 09:45	09/22/21 17:33	7440-47-3	
Cobalt	0.21	mg/L	0.0050	0.00039	1	09/20/21 09:45	09/22/21 17:33	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/20/21 09:45	09/22/21 17:33	7439-92-1	
Lithium	0.027J	mg/L	0.030	0.00073	1	09/20/21 09:45	09/22/21 17:33	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/20/21 09:45	09/22/21 17:33	7439-98-7	
Selenium	0.057	mg/L	0.0050	0.0014	1	09/20/21 09:45	09/22/21 17:33	7782-49-2	
Thallium	0.00040J	mg/L	0.0010	0.00018	1	09/20/21 09:45	09/22/21 17:33	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	0.00014J	mg/L	0.00020	0.000078	1	09/24/21 09:45	09/27/21 16:38	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	466	mg/L	10.0	10.0	1		09/17/21 17:32		
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		09/15/21 14:22	16887-00-6	
Fluoride	2.0	mg/L	0.10	0.050	1		09/15/21 14:22	16984-48-8	
Sulfate	264	mg/L	7.0	3.5	7		09/15/21 22:53	14808-79-8	

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4
Pace Project No.: 92560774

Sample: FB-2		Lab ID: 92560774016		Collected: 09/10/21 11:00		Received: 09/10/21 17:40		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	ND	mg/L	1.0	0.12	1	09/20/21 09:45	09/20/21 19:23	7440-70-2		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00078	1	09/20/21 09:45	09/22/21 13:45	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0011	1	09/20/21 09:45	09/22/21 13:45	7440-38-2		
Barium	ND	mg/L	0.0050	0.00067	1	09/20/21 09:45	09/22/21 13:45	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	09/20/21 09:45	09/22/21 13:45	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	09/20/21 09:45	09/22/21 13:45	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	09/20/21 09:45	09/22/21 13:45	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	09/20/21 09:45	09/22/21 13:45	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	09/20/21 09:45	09/22/21 13:45	7440-48-4		
Lead	ND	mg/L	0.0010	0.00089	1	09/20/21 09:45	09/22/21 13:45	7439-92-1		
Lithium	ND	mg/L	0.030	0.00073	1	09/20/21 09:45	09/22/21 13:45	7439-93-2		
Molybdenum	ND	mg/L	0.010	0.00074	1	09/20/21 09:45	09/22/21 13:45	7439-98-7		
Selenium	ND	mg/L	0.0050	0.0014	1	09/20/21 09:45	09/22/21 13:45	7782-49-2		
Thallium	ND	mg/L	0.0010	0.00018	1	09/20/21 09:45	09/22/21 13:45	7440-28-0		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.000078	1	09/24/21 09:45	09/27/21 16:41	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		09/17/21 17:32			
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		09/15/21 14:38	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		09/15/21 14:38	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		09/15/21 14:38	14808-79-8		

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4
Pace Project No.: 92560774

Sample: DGWC-10		Lab ID: 92560774017		Collected: 09/10/21 13:30		Received: 09/10/21 17:40		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/13/21 10:08		
pH	5.05	Std. Units			1		09/13/21 10:08		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	82.4	mg/L	1.0	0.12	1	09/20/21 09:45	09/20/21 19:28	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/20/21 09:45	09/22/21 13:51	7440-36-0	
Arsenic	0.0076	mg/L	0.0050	0.0011	1	09/20/21 09:45	09/22/21 13:51	7440-38-2	
Barium	0.019	mg/L	0.0050	0.00067	1	09/20/21 09:45	09/22/21 13:51	7440-39-3	
Beryllium	0.0074	mg/L	0.00050	0.000054	1	09/20/21 09:45	09/22/21 13:51	7440-41-7	
Boron	0.24	mg/L	0.040	0.0086	1	09/20/21 09:45	09/22/21 13:51	7440-42-8	
Cadmium	0.00061	mg/L	0.00050	0.00011	1	09/20/21 09:45	09/22/21 13:51	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/20/21 09:45	09/22/21 13:51	7440-47-3	
Cobalt	0.076	mg/L	0.0050	0.00039	1	09/20/21 09:45	09/22/21 13:51	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/20/21 09:45	09/22/21 13:51	7439-92-1	
Lithium	0.0051J	mg/L	0.030	0.00073	1	09/20/21 09:45	09/22/21 13:51	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/20/21 09:45	09/22/21 13:51	7439-98-7	
Selenium	0.034	mg/L	0.0050	0.0014	1	09/20/21 09:45	09/22/21 13:51	7782-49-2	
Thallium	0.00027J	mg/L	0.0010	0.00018	1	09/20/21 09:45	09/22/21 13:51	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	0.000078	1	09/24/21 09:45	09/27/21 16:57	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	474	mg/L	10.0	10.0	1		09/17/21 17:33		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	8.2	mg/L	1.0	0.60	1		09/15/21 14:53	16887-00-6	
Fluoride	2.2	mg/L	0.10	0.050	1		09/15/21 14:53	16984-48-8	
Sulfate	271	mg/L	6.0	3.0	6		09/15/21 23:39	14808-79-8	

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4

Pace Project No.: 92560774

Sample: DGWC-20		Lab ID: 92560774018		Collected: 09/10/21 12:48	Received: 09/10/21 17:40	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/13/21 10:08		
pH	4.67	Std. Units			1		09/13/21 10:08		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	69.8	mg/L	1.0	0.12	1	09/20/21 09:45	09/20/21 19:33	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/20/21 09:45	09/22/21 13:56	7440-36-0	
Arsenic	0.0083	mg/L	0.0050	0.0011	1	09/20/21 09:45	09/22/21 13:56	7440-38-2	
Barium	0.0098	mg/L	0.0050	0.00067	1	09/20/21 09:45	09/22/21 13:56	7440-39-3	
Beryllium	0.0024	mg/L	0.00050	0.000054	1	09/20/21 09:45	09/22/21 13:56	7440-41-7	
Boron	4.8	mg/L	0.040	0.0086	1	09/20/21 09:45	09/22/21 13:56	7440-42-8	
Cadmium	0.0012	mg/L	0.00050	0.00011	1	09/20/21 09:45	09/22/21 13:56	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/20/21 09:45	09/22/21 13:56	7440-47-3	
Cobalt	0.45	mg/L	0.0050	0.00039	1	09/20/21 09:45	09/22/21 13:56	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/20/21 09:45	09/22/21 13:56	7439-92-1	
Lithium	0.0023J	mg/L	0.030	0.00073	1	09/20/21 09:45	09/22/21 13:56	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/20/21 09:45	09/22/21 13:56	7439-98-7	
Selenium	0.031	mg/L	0.0050	0.0014	1	09/20/21 09:45	09/22/21 13:56	7782-49-2	
Thallium	0.00052J	mg/L	0.0010	0.00018	1	09/20/21 09:45	09/22/21 13:56	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	0.000078	1	09/24/21 09:45	09/27/21 17:13	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	678	mg/L	20.0	20.0	1		09/17/21 17:33		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	26.2	mg/L	1.0	0.60	1		09/15/21 15:09	16887-00-6	
Fluoride	0.25	mg/L	0.10	0.050	1		09/15/21 15:09	16984-48-8	
Sulfate	399	mg/L	9.0	4.5	9		09/15/21 23:54	14808-79-8	

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4

Pace Project No.: 92560774

Sample: DGWC-22		Lab ID: 92560774019		Collected: 09/10/21 12:58	Received: 09/10/21 17:40	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/13/21 10:08		
pH	5.65	Std. Units			1		09/13/21 10:08		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	62.3	mg/L	1.0	0.12	1	09/20/21 09:45	09/20/21 19:38	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/20/21 09:45	09/22/21 14:02	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	09/20/21 09:45	09/22/21 14:02	7440-38-2	
Barium	0.027	mg/L	0.0050	0.00067	1	09/20/21 09:45	09/22/21 14:02	7440-39-3	
Beryllium	0.00014J	mg/L	0.00050	0.000054	1	09/20/21 09:45	09/22/21 14:02	7440-41-7	
Boron	4.5	mg/L	0.040	0.0086	1	09/20/21 09:45	09/22/21 14:02	7440-42-8	
Cadmium	0.00061	mg/L	0.00050	0.00011	1	09/20/21 09:45	09/22/21 14:02	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/20/21 09:45	09/22/21 14:02	7440-47-3	
Cobalt	0.0076	mg/L	0.0050	0.00039	1	09/20/21 09:45	09/22/21 14:02	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/20/21 09:45	09/22/21 14:02	7439-92-1	
Lithium	0.0039J	mg/L	0.030	0.00073	1	09/20/21 09:45	09/22/21 14:02	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/20/21 09:45	09/22/21 14:02	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/20/21 09:45	09/22/21 14:02	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/20/21 09:45	09/22/21 14:02	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	0.00011J	mg/L	0.00020	0.000078	1	09/24/21 09:45	09/27/21 17:16	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	468	mg/L	10.0	10.0	1		09/17/21 17:33		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	17.3	mg/L	1.0	0.60	1		09/15/21 20:47	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		09/15/21 20:47	16984-48-8	
Sulfate	234	mg/L	5.0	2.5	5		09/17/21 10:45	14808-79-8	

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4
Pace Project No.: 92560774

Sample: DGWC-47		Lab ID: 92560774020		Collected: 09/10/21 11:00		Received: 09/10/21 17:40		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/13/21 10:08		
pH	4.10	Std. Units			1		09/13/21 10:08		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	24.4	mg/L	1.0	0.12	1	09/23/21 10:02	09/23/21 18:44	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/21/21 12:35	09/22/21 18:25	7440-36-0	
Arsenic	0.0016J	mg/L	0.0050	0.0011	1	09/21/21 12:35	09/22/21 18:25	7440-38-2	
Barium	0.021	mg/L	0.0050	0.00067	1	09/21/21 12:35	09/22/21 18:25	7440-39-3	
Beryllium	0.0090	mg/L	0.00050	0.000054	1	09/21/21 12:35	09/22/21 18:25	7440-41-7	
Boron	0.16	mg/L	0.040	0.0086	1	09/21/21 12:35	09/22/21 18:25	7440-42-8	
Cadmium	0.0014	mg/L	0.00050	0.00011	1	09/21/21 12:35	09/22/21 18:25	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/21/21 12:35	09/22/21 18:25	7440-47-3	
Cobalt	0.23	mg/L	0.0050	0.00039	1	09/21/21 12:35	09/22/21 18:25	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/21/21 12:35	09/22/21 18:25	7439-92-1	
Lithium	0.053	mg/L	0.030	0.00073	1	09/21/21 12:35	09/22/21 18:25	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/21/21 12:35	09/22/21 18:25	7439-98-7	
Selenium	0.0035J	mg/L	0.0050	0.0014	1	09/21/21 12:35	09/22/21 18:25	7782-49-2	
Thallium	0.00036J	mg/L	0.0010	0.00018	1	09/21/21 12:35	09/22/21 18:25	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	0.000078	1	09/24/21 09:45	09/27/21 17:18	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	274	mg/L	10.0	10.0	1		09/17/21 17:33		
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		09/15/21 21:03	16887-00-6	
Fluoride	0.22	mg/L	0.10	0.050	1		09/15/21 21:03	16984-48-8	M1
Sulfate	123	mg/L	2.0	1.0	2		09/17/21 11:01	14808-79-8	

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4

Pace Project No.: 92560774

Sample: DGWC-48		Lab ID: 92560774021		Collected: 09/10/21 10:56		Received: 09/10/21 17:40		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/13/21 10:09		
pH	4.30	Std. Units			1		09/13/21 10:09		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	68.7	mg/L	1.0	0.12	1	09/23/21 10:02	09/23/21 18:49	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0018J	mg/L	0.0030	0.00078	1	09/21/21 12:35	09/22/21 18:48	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	09/21/21 12:35	09/22/21 18:48	7440-38-2	
Barium	0.013	mg/L	0.0050	0.00067	1	09/21/21 12:35	09/22/21 18:48	7440-39-3	
Beryllium	0.0070	mg/L	0.00050	0.000054	1	09/21/21 12:35	09/22/21 18:48	7440-41-7	
Boron	0.55	mg/L	0.040	0.0086	1	09/21/21 12:35	09/22/21 18:48	7440-42-8	
Cadmium	0.0028	mg/L	0.00050	0.00011	1	09/21/21 12:35	09/22/21 18:48	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/21/21 12:35	09/22/21 18:48	7440-47-3	
Cobalt	0.36	mg/L	0.0050	0.00039	1	09/21/21 12:35	09/22/21 18:48	7440-48-4	
Lead	0.00099J	mg/L	0.0010	0.00089	1	09/21/21 12:35	09/22/21 18:48	7439-92-1	
Lithium	0.095	mg/L	0.030	0.00073	1	09/21/21 12:35	09/22/21 18:48	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/21/21 12:35	09/22/21 18:48	7439-98-7	
Selenium	0.0022J	mg/L	0.0050	0.0014	1	09/21/21 12:35	09/22/21 18:48	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/21/21 12:35	09/22/21 18:48	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	0.000078	1	09/24/21 09:45	09/27/21 17:21	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	532	mg/L	20.0	20.0	1		09/17/21 17:33		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	10.9	mg/L	1.0	0.60	1		09/15/21 14:29	16887-00-6	
Fluoride	0.47	mg/L	0.10	0.050	1		09/15/21 14:29	16984-48-8	M1
Sulfate	272	mg/L	6.0	3.0	6		09/15/21 22:10	14808-79-8	M1

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4

Pace Project No.: 92560774

Sample: DUP-1		Lab ID: 92560774022		Collected: 09/10/21 00:00		Received: 09/10/21 17:40		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	70.3	mg/L	1.0	0.12	1	09/23/21 10:02	09/23/21 18:54	7440-70-2		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00078	1	09/21/21 12:35	09/22/21 18:53	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0011	1	09/21/21 12:35	09/22/21 18:53	7440-38-2		
Barium	0.013	mg/L	0.0050	0.00067	1	09/21/21 12:35	09/22/21 18:53	7440-39-3		
Beryllium	0.0069	mg/L	0.00050	0.000054	1	09/21/21 12:35	09/22/21 18:53	7440-41-7		
Boron	0.54	mg/L	0.040	0.0086	1	09/21/21 12:35	09/22/21 18:53	7440-42-8		
Cadmium	0.0028	mg/L	0.00050	0.00011	1	09/21/21 12:35	09/22/21 18:53	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	09/21/21 12:35	09/22/21 18:53	7440-47-3		
Cobalt	0.36	mg/L	0.0050	0.00039	1	09/21/21 12:35	09/22/21 18:53	7440-48-4		
Lead	0.0010	mg/L	0.0010	0.00089	1	09/21/21 12:35	09/22/21 18:53	7439-92-1		
Lithium	0.094	mg/L	0.030	0.00073	1	09/21/21 12:35	09/22/21 18:53	7439-93-2		
Molybdenum	ND	mg/L	0.010	0.00074	1	09/21/21 12:35	09/22/21 18:53	7439-98-7		
Selenium	0.0024J	mg/L	0.0050	0.0014	1	09/21/21 12:35	09/22/21 18:53	7782-49-2		
Thallium	ND	mg/L	0.0010	0.00018	1	09/21/21 12:35	09/22/21 18:53	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	0.000078	1	09/24/21 09:45	09/27/21 17:24	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	556	mg/L	10.0	10.0	1		09/17/21 17:34			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	10.5	mg/L	1.0	0.60	1		09/15/21 15:16	16887-00-6		
Fluoride	0.49	mg/L	0.10	0.050	1		09/15/21 15:16	16984-48-8		
Sulfate	264	mg/L	6.0	3.0	6		09/15/21 23:29	14808-79-8		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4

Pace Project No.: 92560774

Sample: EB-2		Lab ID: 92560774023		Collected: 09/10/21 10:35		Received: 09/10/21 17:40		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	ND	mg/L	1.0	0.12	1	09/23/21 10:02	09/23/21 18:59	7440-70-2		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00078	1	09/21/21 12:35	09/22/21 18:59	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0011	1	09/21/21 12:35	09/22/21 18:59	7440-38-2		
Barium	ND	mg/L	0.0050	0.00067	1	09/21/21 12:35	09/22/21 18:59	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	09/21/21 12:35	09/22/21 18:59	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	09/21/21 12:35	09/22/21 18:59	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	09/21/21 12:35	09/22/21 18:59	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	09/21/21 12:35	09/22/21 18:59	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	09/21/21 12:35	09/22/21 18:59	7440-48-4		
Lead	ND	mg/L	0.0010	0.00089	1	09/21/21 12:35	09/22/21 18:59	7439-92-1		
Lithium	ND	mg/L	0.030	0.00073	1	09/21/21 12:35	09/22/21 18:59	7439-93-2		
Molybdenum	ND	mg/L	0.010	0.00074	1	09/21/21 12:35	09/22/21 18:59	7439-98-7		
Selenium	ND	mg/L	0.0050	0.0014	1	09/21/21 12:35	09/22/21 18:59	7782-49-2		
Thallium	ND	mg/L	0.0010	0.00018	1	09/21/21 12:35	09/22/21 18:59	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	0.000078	1	09/24/21 09:45	09/27/21 17:26	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	20.0	mg/L	10.0	10.0	1		09/17/21 17:34			
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		09/15/21 15:32	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		09/15/21 15:32	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		09/15/21 15:32	14808-79-8		

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4
Pace Project No.: 92560774

Sample: DGWC-8		Lab ID: 92560774024		Collected: 09/13/21 11:00		Received: 09/14/21 09:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/14/21 11:25		
pH	5.05	Std. Units			1		09/14/21 11:25		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	36.0	mg/L	1.0	0.12	1	09/23/21 10:02	09/23/21 19:37	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/21/21 12:35	09/22/21 19:05	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	09/21/21 12:35	09/22/21 19:05	7440-38-2	
Barium	0.019	mg/L	0.0050	0.00067	1	09/21/21 12:35	09/22/21 19:05	7440-39-3	
Beryllium	0.0015	mg/L	0.00050	0.000054	1	09/21/21 12:35	09/22/21 19:05	7440-41-7	
Boron	0.86	mg/L	0.040	0.0086	1	09/21/21 12:35	09/22/21 19:05	7440-42-8	
Cadmium	0.0020	mg/L	0.00050	0.00011	1	09/21/21 12:35	09/22/21 19:05	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/21/21 12:35	09/22/21 19:05	7440-47-3	
Cobalt	0.028	mg/L	0.0050	0.00039	1	09/21/21 12:35	09/22/21 19:05	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/21/21 12:35	09/22/21 19:05	7439-92-1	
Lithium	0.0034J	mg/L	0.030	0.00073	1	09/21/21 12:35	09/22/21 19:05	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/21/21 12:35	09/22/21 19:05	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/21/21 12:35	09/22/21 19:05	7782-49-2	
Thallium	0.00019J	mg/L	0.0010	0.00018	1	09/21/21 12:35	09/22/21 19:05	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	0.000078	1	09/24/21 09:45	09/27/21 17:29	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	306	mg/L	10.0	10.0	1		09/20/21 16:36		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	8.2	mg/L	1.0	0.60	1		09/15/21 20:51	16887-00-6	
Fluoride	0.069J	mg/L	0.10	0.050	1		09/15/21 20:51	16984-48-8	
Sulfate	145	mg/L	3.0	1.5	3		09/16/21 02:22	14808-79-8	

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4
Pace Project No.: 92560774

Sample: DGWC-17		Lab ID: 92560774025		Collected: 09/13/21 11:04		Received: 09/14/21 09:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/14/21 11:25		
pH	5.06	Std. Units			1		09/14/21 11:25		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	15.8	mg/L	1.0	0.12	1	09/23/21 10:02	09/23/21 19:42	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/21/21 12:35	09/22/21 19:22	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	09/21/21 12:35	09/22/21 19:22	7440-38-2	
Barium	0.031	mg/L	0.0050	0.00067	1	09/21/21 12:35	09/22/21 19:22	7440-39-3	
Beryllium	0.00052	mg/L	0.00050	0.000054	1	09/21/21 12:35	09/22/21 19:22	7440-41-7	
Boron	0.78	mg/L	0.040	0.0086	1	09/21/21 12:35	09/22/21 19:22	7440-42-8	
Cadmium	0.00023J	mg/L	0.00050	0.00011	1	09/21/21 12:35	09/22/21 19:22	7440-43-9	
Chromium	0.0027J	mg/L	0.0050	0.0011	1	09/21/21 12:35	09/22/21 19:22	7440-47-3	
Cobalt	0.019	mg/L	0.0050	0.00039	1	09/21/21 12:35	09/22/21 19:22	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/21/21 12:35	09/22/21 19:22	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	09/21/21 12:35	09/22/21 19:22	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/21/21 12:35	09/22/21 19:22	7439-98-7	
Selenium	0.0071	mg/L	0.0050	0.0014	1	09/21/21 12:35	09/22/21 19:22	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/21/21 12:35	09/22/21 19:22	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	0.000086J	mg/L	0.00020	0.000078	1	09/24/21 09:45	09/27/21 17:31	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	424	mg/L	10.0	10.0	1		09/20/21 16:36		
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		09/15/21 21:07	16887-00-6	
Fluoride	0.063J	mg/L	0.10	0.050	1		09/15/21 21:07	16984-48-8	
Sulfate	222	mg/L	5.0	2.5	5		09/16/21 02:38	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4
Pace Project No.: 92560774

Sample: DGWC-42		Lab ID: 92560774026		Collected: 09/13/21 15:00		Received: 09/14/21 09:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/14/21 11:25		
pH	5.15	Std. Units			1		09/14/21 11:25		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	38.9	mg/L	1.0	0.12	1	09/23/21 10:02	09/23/21 19:47	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/21/21 12:35	09/22/21 19:28	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	09/21/21 12:35	09/22/21 19:28	7440-38-2	
Barium	0.014	mg/L	0.0050	0.00067	1	09/21/21 12:35	09/22/21 19:28	7440-39-3	
Beryllium	0.0024	mg/L	0.00050	0.000054	1	09/21/21 12:35	09/22/21 19:28	7440-41-7	
Boron	0.95	mg/L	0.040	0.0086	1	09/21/21 12:35	09/22/21 19:28	7440-42-8	
Cadmium	0.00042J	mg/L	0.00050	0.00011	1	09/21/21 12:35	09/22/21 19:28	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/21/21 12:35	09/22/21 19:28	7440-47-3	
Cobalt	0.0080	mg/L	0.0050	0.00039	1	09/21/21 12:35	09/22/21 19:28	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/21/21 12:35	09/22/21 19:28	7439-92-1	
Lithium	0.015J	mg/L	0.030	0.00073	1	09/21/21 12:35	09/22/21 19:28	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/21/21 12:35	09/22/21 19:28	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/21/21 12:35	09/22/21 19:28	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/21/21 12:35	09/22/21 19:28	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	0.000078	1	09/24/21 09:45	09/27/21 17:34	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	508	mg/L	20.0	20.0	1		09/20/21 16:36		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	17.1	mg/L	1.0	0.60	1		09/15/21 21:23	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		09/15/21 21:23	16984-48-8	
Sulfate	285	mg/L	6.0	3.0	6		09/16/21 02:53	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MCDONOUGH AP-2/3/4
Pace Project No.: 92560774

QC Batch: 648325 Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A Analysis Description: 6010D ATL
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92560774001, 92560774002, 92560774003, 92560774004, 92560774005, 92560774006, 92560774007, 92560774008, 92560774009, 92560774010, 92560774011, 92560774012, 92560774013, 92560774014, 92560774015, 92560774016, 92560774017, 92560774018, 92560774019

METHOD BLANK: 3400203 Matrix: Water
Associated Lab Samples: 92560774001, 92560774002, 92560774003, 92560774004, 92560774005, 92560774006, 92560774007, 92560774008, 92560774009, 92560774010, 92560774011, 92560774012, 92560774013, 92560774014, 92560774015, 92560774016, 92560774017, 92560774018, 92560774019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	09/20/21 17:23	

LABORATORY CONTROL SAMPLE: 3400204

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3400205 3400206

Parameter	Units	3400205		3400206		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92560774001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Calcium	mg/L	42.0	1	1	44.1	42.4	202	31	75-125	4	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: MCDONOUGH AP-2/3/4

Pace Project No.: 92560774

QC Batch: 648974

Analysis Method: EPA 6010D

QC Batch Method: EPA 3010A

Analysis Description: 6010D ATL

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92560774020, 92560774021, 92560774022, 92560774023, 92560774024, 92560774025, 92560774026

METHOD BLANK: 3403796

Matrix: Water

Associated Lab Samples: 92560774020, 92560774021, 92560774022, 92560774023, 92560774024, 92560774025, 92560774026

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	09/23/21 17:54	

LABORATORY CONTROL SAMPLE: 3403797

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3403798 3403799

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92560768003 Result	Spike Conc.	Spike Conc.	Result						
Calcium	mg/L	42.1	1	1	41.6	40.7	-42	-139	75-125	2	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: MCDONOUGH AP-2/3/4
Pace Project No.: 92560774

QC Batch: 648326 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92560774001, 92560774002, 92560774003, 92560774004, 92560774005, 92560774006, 92560774007, 92560774008, 92560774009, 92560774010, 92560774011, 92560774012, 92560774013, 92560774014, 92560774015, 92560774016, 92560774017, 92560774018, 92560774019

METHOD BLANK: 3400210 Matrix: Water
Associated Lab Samples: 92560774001, 92560774002, 92560774003, 92560774004, 92560774005, 92560774006, 92560774007, 92560774008, 92560774009, 92560774010, 92560774011, 92560774012, 92560774013, 92560774014, 92560774015, 92560774016, 92560774017, 92560774018, 92560774019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	09/22/21 11:04	
Arsenic	mg/L	ND	0.0050	0.0011	09/22/21 11:04	
Barium	mg/L	ND	0.0050	0.00067	09/22/21 11:04	
Beryllium	mg/L	ND	0.00050	0.000054	09/22/21 11:04	
Boron	mg/L	ND	0.040	0.0086	09/22/21 11:04	
Cadmium	mg/L	ND	0.00050	0.00011	09/22/21 11:04	
Chromium	mg/L	ND	0.0050	0.0011	09/22/21 11:04	
Cobalt	mg/L	ND	0.0050	0.00039	09/22/21 11:04	
Lead	mg/L	ND	0.0010	0.00089	09/22/21 11:04	
Lithium	mg/L	ND	0.030	0.00073	09/22/21 11:04	
Molybdenum	mg/L	ND	0.010	0.00074	09/22/21 11:04	
Selenium	mg/L	ND	0.0050	0.0014	09/22/21 11:04	
Thallium	mg/L	ND	0.0010	0.00018	09/22/21 11:04	

LABORATORY CONTROL SAMPLE: 3400211

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	0.10	101	80-120	
Barium	mg/L	0.1	0.11	106	80-120	
Beryllium	mg/L	0.1	0.11	106	80-120	
Boron	mg/L	1	1.1	113	80-120	
Cadmium	mg/L	0.1	0.10	101	80-120	
Chromium	mg/L	0.1	0.10	103	80-120	
Cobalt	mg/L	0.1	0.099	99	80-120	
Lead	mg/L	0.1	0.10	102	80-120	
Lithium	mg/L	0.1	0.11	108	80-120	
Molybdenum	mg/L	0.1	0.10	101	80-120	
Selenium	mg/L	0.1	0.10	101	80-120	
Thallium	mg/L	0.1	0.10	100	80-120	

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QUALITY CONTROL DATA

Project: MCDONOUGH AP-2/3/4

Pace Project No.: 92560774

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3400212		3400213		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		92560774001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Antimony	mg/L	ND	0.1	0.1	0.10	0.10	105	105	75-125	0	20		
Arsenic	mg/L	ND	0.1	0.1	0.10	0.10	102	105	75-125	3	20		
Barium	mg/L	0.022	0.1	0.1	0.13	0.13	104	103	75-125	1	20		
Beryllium	mg/L	ND	0.1	0.1	0.099	0.10	99	101	75-125	2	20		
Boron	mg/L	0.51	1	1	1.6	1.6	110	109	75-125	1	20		
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	100	101	75-125	1	20		
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	100	102	75-125	2	20		
Cobalt	mg/L	0.0048J	0.1	0.1	0.11	0.11	101	102	75-125	0	20		
Lead	mg/L	ND	0.1	0.1	0.10	0.10	101	101	75-125	1	20		
Lithium	mg/L	0.024J	0.1	0.1	0.12	0.12	99	99	75-125	0	20		
Molybdenum	mg/L	0.0023J	0.1	0.1	0.11	0.11	105	106	75-125	1	20		
Selenium	mg/L	0.0031J	0.1	0.1	0.11	0.11	104	106	75-125	2	20		
Thallium	mg/L	ND	0.1	0.1	0.098	0.10	98	101	75-125	3	20		

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QUALITY CONTROL DATA

Project: MCDONOUGH AP-2/3/4
Pace Project No.: 92560774

QC Batch: 648523 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92560774020, 92560774021, 92560774022, 92560774023, 92560774024, 92560774025, 92560774026

METHOD BLANK: 3401252 Matrix: Water
Associated Lab Samples: 92560774020, 92560774021, 92560774022, 92560774023, 92560774024, 92560774025, 92560774026

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	09/22/21 18:13	
Arsenic	mg/L	ND	0.0050	0.0011	09/22/21 18:13	
Barium	mg/L	ND	0.0050	0.00067	09/22/21 18:13	
Beryllium	mg/L	ND	0.00050	0.000054	09/22/21 18:13	
Boron	mg/L	ND	0.040	0.0086	09/22/21 18:13	
Cadmium	mg/L	ND	0.00050	0.00011	09/22/21 18:13	
Chromium	mg/L	ND	0.0050	0.0011	09/22/21 18:13	
Cobalt	mg/L	ND	0.0050	0.00039	09/22/21 18:13	
Lead	mg/L	ND	0.0010	0.00089	09/22/21 18:13	
Lithium	mg/L	ND	0.030	0.00073	09/22/21 18:13	
Molybdenum	mg/L	ND	0.010	0.00074	09/22/21 18:13	
Selenium	mg/L	ND	0.0050	0.0014	09/22/21 18:13	
Thallium	mg/L	ND	0.0010	0.00018	09/22/21 18:13	

LABORATORY CONTROL SAMPLE: 3401253

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	0.11	109	80-120	
Beryllium	mg/L	0.1	0.095	95	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	0.11	109	80-120	
Cobalt	mg/L	0.1	0.11	108	80-120	
Lead	mg/L	0.1	0.10	100	80-120	
Lithium	mg/L	0.1	0.095	95	80-120	
Molybdenum	mg/L	0.1	0.10	104	80-120	
Selenium	mg/L	0.1	0.098	98	80-120	
Thallium	mg/L	0.1	0.10	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3401254 3401255

Parameter	Units	92560774020 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	108	107	75-125	1	20	
Arsenic	mg/L	0.0016J	0.1	0.1	0.10	0.10	100	100	75-125	0	20	

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QUALITY CONTROL DATA

Project: MCDONOUGH AP-2/3/4

Pace Project No.: 92560774

Parameter	Units	3401254		3401255		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92560774020 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Barium	mg/L	0.021	0.1	0.1	0.13	0.13	113	113	75-125	0	20		
Beryllium	mg/L	0.0090	0.1	0.1	0.10	0.10	92	94	75-125	2	20		
Boron	mg/L	0.16	1	1	1.2	1.2	99	102	75-125	3	20		
Cadmium	mg/L	0.0014	0.1	0.1	0.10	0.10	101	100	75-125	0	20		
Chromium	mg/L	ND	0.1	0.1	0.11	0.11	109	109	75-125	0	20		
Cobalt	mg/L	0.23	0.1	0.1	0.34	0.32	107	94	75-125	4	20		
Lead	mg/L	ND	0.1	0.1	0.099	0.097	99	97	75-125	2	20		
Lithium	mg/L	0.053	0.1	0.1	0.15	0.14	95	90	75-125	4	20		
Molybdenum	mg/L	ND	0.1	0.1	0.10	0.11	103	105	75-125	2	20		
Selenium	mg/L	0.0035J	0.1	0.1	0.10	0.10	100	97	75-125	2	20		
Thallium	mg/L	0.00036J	0.1	0.1	0.097	0.097	97	96	75-125	1	20		

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QUALITY CONTROL DATA

Project: MCDONOUGH AP-2/3/4

Pace Project No.: 92560774

QC Batch: 649458 Analysis Method: EPA 7470A
 QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92560774001, 92560774002, 92560774003, 92560774004, 92560774005, 92560774006, 92560774007, 92560774008, 92560774009, 92560774010, 92560774011, 92560774012, 92560774013, 92560774014, 92560774015, 92560774016

METHOD BLANK: 3406292 Matrix: Water
 Associated Lab Samples: 92560774001, 92560774002, 92560774003, 92560774004, 92560774005, 92560774006, 92560774007, 92560774008, 92560774009, 92560774010, 92560774011, 92560774012, 92560774013, 92560774014, 92560774015, 92560774016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000078	09/27/21 15:32	

LABORATORY CONTROL SAMPLE: 3406293

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0028	113	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3406294 3406295

Parameter	Units	3406294		3406295		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	0.0027	0.0027	108	105	75-125	3	20	

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QUALITY CONTROL DATA

Project: MCDONOUGH AP-2/3/4
Pace Project No.: 92560774

QC Batch:	649459	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92560774017, 92560774018, 92560774019, 92560774020, 92560774021, 92560774022, 92560774023, 92560774024, 92560774025, 92560774026

METHOD BLANK: 3406298 Matrix: Water
Associated Lab Samples: 92560774017, 92560774018, 92560774019, 92560774020, 92560774021, 92560774022, 92560774023, 92560774024, 92560774025, 92560774026

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000078	09/27/21 16:51	

LABORATORY CONTROL SAMPLE: 3406299

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0027	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3406300 3406301

Parameter	Units	92560774017 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	0.0026	100	103	75-125	3	20	

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QUALITY CONTROL DATA

Project: MCDONOUGH AP-2/3/4
Pace Project No.: 92560774

QC Batch: 647701 Analysis Method: SM 2540C-2011
QC Batch Method: SM 2540C-2011 Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92560774001, 92560774002, 92560774003, 92560774004, 92560774005, 92560774006, 92560774007, 92560774008, 92560774009, 92560774010, 92560774011, 92560774012, 92560774013, 92560774014

METHOD BLANK: 3397222 Matrix: Water
Associated Lab Samples: 92560774001, 92560774002, 92560774003, 92560774004, 92560774005, 92560774006, 92560774007, 92560774008, 92560774009, 92560774010, 92560774011, 92560774012, 92560774013, 92560774014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	09/16/21 14:33	

LABORATORY CONTROL SAMPLE: 3397223

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	400	100	90-111	

SAMPLE DUPLICATE: 3397224

Parameter	Units	92560774001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	260	251	4	10	

SAMPLE DUPLICATE: 3397225

Parameter	Units	92560774011 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		10	

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QUALITY CONTROL DATA

Project: MCDONOUGH AP-2/3/4
Pace Project No.: 92560774

QC Batch:	647940	Analysis Method:	SM 2540C-2011
QC Batch Method:	SM 2540C-2011	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92560774015, 92560774016, 92560774017, 92560774018, 92560774019, 92560774020, 92560774021, 92560774022, 92560774023

METHOD BLANK: 3398525 Matrix: Water
Associated Lab Samples: 92560774015, 92560774016, 92560774017, 92560774018, 92560774019, 92560774020, 92560774021, 92560774022, 92560774023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	09/17/21 17:32	

LABORATORY CONTROL SAMPLE: 3398526

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	400	100	90-111	

SAMPLE DUPLICATE: 3400012

Parameter	Units	92560858001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	62.0	52.0	18	10	D6

SAMPLE DUPLICATE: 3400013

Parameter	Units	92560961003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	118	122	3	10	

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QUALITY CONTROL DATA

Project: MCDONOUGH AP-2/3/4

Pace Project No.: 92560774

QC Batch:	648323	Analysis Method:	SM 2540C-2011
QC Batch Method:	SM 2540C-2011	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92560774024, 92560774025, 92560774026

METHOD BLANK: 3400167 Matrix: Water

Associated Lab Samples: 92560774024, 92560774025, 92560774026

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	09/20/21 16:33	

LABORATORY CONTROL SAMPLE: 3400168

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	384	96	90-111	

SAMPLE DUPLICATE: 3400169

Parameter	Units	92560963001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	139	127	9	10	

SAMPLE DUPLICATE: 3400170

Parameter	Units	92560768008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	296	295	0	10	

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QUALITY CONTROL DATA

Project: MCDONOUGH AP-2/3/4
Pace Project No.: 92560774

QC Batch: 647165 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: 92560774001, 92560774002, 92560774003, 92560774004, 92560774005, 92560774006, 92560774007, 92560774008, 92560774009, 92560774010, 92560774011, 92560774012, 92560774013, 92560774014, 92560774015, 92560774016, 92560774017, 92560774018

METHOD BLANK: 3394756 Matrix: Water
Associated Lab Samples: 92560774001, 92560774002, 92560774003, 92560774004, 92560774005, 92560774006, 92560774007, 92560774008, 92560774009, 92560774010, 92560774011, 92560774012, 92560774013, 92560774014, 92560774015, 92560774016, 92560774017, 92560774018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/15/21 07:09	
Fluoride	mg/L	ND	0.10	0.050	09/15/21 07:09	
Sulfate	mg/L	ND	1.0	0.50	09/15/21 07:09	

LABORATORY CONTROL SAMPLE: 3394757

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	48.7	97	90-110	
Fluoride	mg/L	2.5	2.3	93	90-110	
Sulfate	mg/L	50	49.0	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3394758 3394759

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92560768003 Result	Spike Conc.	Spike Conc.	Result						
Chloride	mg/L	4.8	50	50	63.0	64.6	116	120	90-110	3	10 M1
Fluoride	mg/L	0.15	2.5	2.5	3.1	3.1	117	119	90-110	2	10 M1
Sulfate	mg/L	93.2	50	50	136	137	86	87	90-110	0	10 M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3394760 3394761

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92560774009 Result	Spike Conc.	Spike Conc.	Result						
Chloride	mg/L	12.3	50	50	70.2	71.8	116	119	90-110	2	10 M1
Fluoride	mg/L	0.084J	2.5	2.5	3.1	3.2	121	125	90-110	3	10 M1
Sulfate	mg/L	217	50	50	266	268	99	101	90-110	0	10

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QUALITY CONTROL DATA

Project: MCDONOUGH AP-2/3/4
Pace Project No.: 92560774

QC Batch: 647236 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: 92560774019, 92560774020

METHOD BLANK: 3394945 Matrix: Water
Associated Lab Samples: 92560774019, 92560774020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/15/21 12:17	
Fluoride	mg/L	ND	0.10	0.050	09/15/21 12:17	
Sulfate	mg/L	ND	1.0	0.50	09/15/21 12:17	

LABORATORY CONTROL SAMPLE: 3394946

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.3	99	90-110	
Fluoride	mg/L	2.5	2.4	97	90-110	
Sulfate	mg/L	50	49.2	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3394947 3394948

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92560964004 Result	Spike Conc.	Spike Conc.	Conc.								
Chloride	mg/L	3.2	50	50	54.7	55.8	103	105	90-110	2	10		
Fluoride	mg/L	ND	2.5	2.5	2.5	2.6	98	101	90-110	2	10		
Sulfate	mg/L	10.0	50	50	61.5	62.8	103	106	90-110	2	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3394949 3394950

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92560774020 Result	Spike Conc.	Spike Conc.	Conc.								
Chloride	mg/L	2.4	50	50	54.5	55.3	104	106	90-110	1	10		
Fluoride	mg/L	0.22	2.5	2.5	2.2	2.3	79	81	90-110	3	10 M1		
Sulfate	mg/L	123	50	50	175	169	104	92	90-110	3	10		

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QUALITY CONTROL DATA

Project: MCDONOUGH AP-2/3/4

Pace Project No.: 92560774

QC Batch: 647237 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: 92560774021, 92560774022, 92560774023, 92560774024, 92560774025, 92560774026

METHOD BLANK: 3394951

Matrix: Water

Associated Lab Samples: 92560774021, 92560774022, 92560774023, 92560774024, 92560774025, 92560774026

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/15/21 13:41	
Fluoride	mg/L	ND	0.10	0.050	09/15/21 13:41	
Sulfate	mg/L	ND	1.0	0.50	09/15/21 13:41	

LABORATORY CONTROL SAMPLE: 3394952

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	46.9	94	90-110	
Fluoride	mg/L	2.5	2.4	96	90-110	
Sulfate	mg/L	50	48.7	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3394953 3394954

Parameter	Units	92560774021		92560774022		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Spike Conc.	MSD Spike Conc.								
Chloride	mg/L	10.9	50	50	50	62.5	63.0	103	104	90-110	1	10	
Fluoride	mg/L	0.47	2.5	2.5	2.5	3.3	3.3	112	112	90-110	0	10 M1	
Sulfate	mg/L	272	50	50	50	315	313	87	82	90-110	1	10 M1	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3394955 3394956

Parameter	Units	92560768007		92560768007		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Spike Conc.	MSD Spike Conc.								
Chloride	mg/L	8.7	50	50	50	59.6	60.9	102	104	90-110	2	10	
Fluoride	mg/L	0.051J	2.5	2.5	2.5	2.6	2.7	103	105	90-110	2	10	
Sulfate	mg/L	174	50	50	50	217	219	88	91	90-110	1	10 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.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: MCDONOUGH AP-2/3/4

Pace Project No.: 92560774

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: MCDONOUGH AP-2/3/4

Pace Project No.: 92560774

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92560774001	DGWC-2				
92560774002	DGWC-11				
92560774003	DGWC-12				
92560774004	DGWC-13				
92560774005	DGWC-14				
92560774006	DGWC-15				
92560774007	DGWC-19				
92560774008	DGWC-21				
92560774009	DGWC-23				
92560774012	DGWC-4				
92560774013	DGWC-5				
92560774015	DGWC-9				
92560774017	DGWC-10				
92560774018	DGWC-20				
92560774019	DGWC-22				
92560774020	DGWC-47				
92560774021	DGWC-48				
92560774024	DGWC-8				
92560774025	DGWC-17				
92560774026	DGWC-42				
92560774001	DGWC-2	EPA 3010A	648325	EPA 6010D	648333
92560774002	DGWC-11	EPA 3010A	648325	EPA 6010D	648333
92560774003	DGWC-12	EPA 3010A	648325	EPA 6010D	648333
92560774004	DGWC-13	EPA 3010A	648325	EPA 6010D	648333
92560774005	DGWC-14	EPA 3010A	648325	EPA 6010D	648333
92560774006	DGWC-15	EPA 3010A	648325	EPA 6010D	648333
92560774007	DGWC-19	EPA 3010A	648325	EPA 6010D	648333
92560774008	DGWC-21	EPA 3010A	648325	EPA 6010D	648333
92560774009	DGWC-23	EPA 3010A	648325	EPA 6010D	648333
92560774010	EB-1	EPA 3010A	648325	EPA 6010D	648333
92560774011	FB-1	EPA 3010A	648325	EPA 6010D	648333
92560774012	DGWC-4	EPA 3010A	648325	EPA 6010D	648333
92560774013	DGWC-5	EPA 3010A	648325	EPA 6010D	648333
92560774014	DUP-2	EPA 3010A	648325	EPA 6010D	648333
92560774015	DGWC-9	EPA 3010A	648325	EPA 6010D	648333
92560774016	FB-2	EPA 3010A	648325	EPA 6010D	648333
92560774017	DGWC-10	EPA 3010A	648325	EPA 6010D	648333
92560774018	DGWC-20	EPA 3010A	648325	EPA 6010D	648333
92560774019	DGWC-22	EPA 3010A	648325	EPA 6010D	648333
92560774020	DGWC-47	EPA 3010A	648974	EPA 6010D	649029
92560774021	DGWC-48	EPA 3010A	648974	EPA 6010D	649029
92560774022	DUP-1	EPA 3010A	648974	EPA 6010D	649029
92560774023	EB-2	EPA 3010A	648974	EPA 6010D	649029
92560774024	DGWC-8	EPA 3010A	648974	EPA 6010D	649029
92560774025	DGWC-17	EPA 3010A	648974	EPA 6010D	649029
92560774026	DGWC-42	EPA 3010A	648974	EPA 6010D	649029
92560774001	DGWC-2	EPA 3005A	648326	EPA 6020B	648331

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MCDONOUGH AP-2/3/4

Pace Project No.: 92560774

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92560774002	DGWC-11	EPA 3005A	648326	EPA 6020B	648331
92560774003	DGWC-12	EPA 3005A	648326	EPA 6020B	648331
92560774004	DGWC-13	EPA 3005A	648326	EPA 6020B	648331
92560774005	DGWC-14	EPA 3005A	648326	EPA 6020B	648331
92560774006	DGWC-15	EPA 3005A	648326	EPA 6020B	648331
92560774007	DGWC-19	EPA 3005A	648326	EPA 6020B	648331
92560774008	DGWC-21	EPA 3005A	648326	EPA 6020B	648331
92560774009	DGWC-23	EPA 3005A	648326	EPA 6020B	648331
92560774010	EB-1	EPA 3005A	648326	EPA 6020B	648331
92560774011	FB-1	EPA 3005A	648326	EPA 6020B	648331
92560774012	DGWC-4	EPA 3005A	648326	EPA 6020B	648331
92560774013	DGWC-5	EPA 3005A	648326	EPA 6020B	648331
92560774014	DUP-2	EPA 3005A	648326	EPA 6020B	648331
92560774015	DGWC-9	EPA 3005A	648326	EPA 6020B	648331
92560774016	FB-2	EPA 3005A	648326	EPA 6020B	648331
92560774017	DGWC-10	EPA 3005A	648326	EPA 6020B	648331
92560774018	DGWC-20	EPA 3005A	648326	EPA 6020B	648331
92560774019	DGWC-22	EPA 3005A	648326	EPA 6020B	648331
92560774020	DGWC-47	EPA 3005A	648523	EPA 6020B	648596
92560774021	DGWC-48	EPA 3005A	648523	EPA 6020B	648596
92560774022	DUP-1	EPA 3005A	648523	EPA 6020B	648596
92560774023	EB-2	EPA 3005A	648523	EPA 6020B	648596
92560774024	DGWC-8	EPA 3005A	648523	EPA 6020B	648596
92560774025	DGWC-17	EPA 3005A	648523	EPA 6020B	648596
92560774026	DGWC-42	EPA 3005A	648523	EPA 6020B	648596
92560774001	DGWC-2	EPA 7470A	649458	EPA 7470A	649537
92560774002	DGWC-11	EPA 7470A	649458	EPA 7470A	649537
92560774003	DGWC-12	EPA 7470A	649458	EPA 7470A	649537
92560774004	DGWC-13	EPA 7470A	649458	EPA 7470A	649537
92560774005	DGWC-14	EPA 7470A	649458	EPA 7470A	649537
92560774006	DGWC-15	EPA 7470A	649458	EPA 7470A	649537
92560774007	DGWC-19	EPA 7470A	649458	EPA 7470A	649537
92560774008	DGWC-21	EPA 7470A	649458	EPA 7470A	649537
92560774009	DGWC-23	EPA 7470A	649458	EPA 7470A	649537
92560774010	EB-1	EPA 7470A	649458	EPA 7470A	649537
92560774011	FB-1	EPA 7470A	649458	EPA 7470A	649537
92560774012	DGWC-4	EPA 7470A	649458	EPA 7470A	649537
92560774013	DGWC-5	EPA 7470A	649458	EPA 7470A	649537
92560774014	DUP-2	EPA 7470A	649458	EPA 7470A	649537
92560774015	DGWC-9	EPA 7470A	649458	EPA 7470A	649537
92560774016	FB-2	EPA 7470A	649458	EPA 7470A	649537
92560774017	DGWC-10	EPA 7470A	649459	EPA 7470A	649538
92560774018	DGWC-20	EPA 7470A	649459	EPA 7470A	649538
92560774019	DGWC-22	EPA 7470A	649459	EPA 7470A	649538
92560774020	DGWC-47	EPA 7470A	649459	EPA 7470A	649538
92560774021	DGWC-48	EPA 7470A	649459	EPA 7470A	649538
92560774022	DUP-1	EPA 7470A	649459	EPA 7470A	649538

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MCDONOUGH AP-2/3/4
Pace Project No.: 92560774

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92560774023	EB-2	EPA 7470A	649459	EPA 7470A	649538
92560774024	DGWC-8	EPA 7470A	649459	EPA 7470A	649538
92560774025	DGWC-17	EPA 7470A	649459	EPA 7470A	649538
92560774026	DGWC-42	EPA 7470A	649459	EPA 7470A	649538
92560774001	DGWC-2	SM 2540C-2011	647701		
92560774002	DGWC-11	SM 2540C-2011	647701		
92560774003	DGWC-12	SM 2540C-2011	647701		
92560774004	DGWC-13	SM 2540C-2011	647701		
92560774005	DGWC-14	SM 2540C-2011	647701		
92560774006	DGWC-15	SM 2540C-2011	647701		
92560774007	DGWC-19	SM 2540C-2011	647701		
92560774008	DGWC-21	SM 2540C-2011	647701		
92560774009	DGWC-23	SM 2540C-2011	647701		
92560774010	EB-1	SM 2540C-2011	647701		
92560774011	FB-1	SM 2540C-2011	647701		
92560774012	DGWC-4	SM 2540C-2011	647701		
92560774013	DGWC-5	SM 2540C-2011	647701		
92560774014	DUP-2	SM 2540C-2011	647701		
92560774015	DGWC-9	SM 2540C-2011	647940		
92560774016	FB-2	SM 2540C-2011	647940		
92560774017	DGWC-10	SM 2540C-2011	647940		
92560774018	DGWC-20	SM 2540C-2011	647940		
92560774019	DGWC-22	SM 2540C-2011	647940		
92560774020	DGWC-47	SM 2540C-2011	647940		
92560774021	DGWC-48	SM 2540C-2011	647940		
92560774022	DUP-1	SM 2540C-2011	647940		
92560774023	EB-2	SM 2540C-2011	647940		
92560774024	DGWC-8	SM 2540C-2011	648323		
92560774025	DGWC-17	SM 2540C-2011	648323		
92560774026	DGWC-42	SM 2540C-2011	648323		
92560774001	DGWC-2	EPA 300.0 Rev 2.1 1993	647165		
92560774002	DGWC-11	EPA 300.0 Rev 2.1 1993	647165		
92560774003	DGWC-12	EPA 300.0 Rev 2.1 1993	647165		
92560774004	DGWC-13	EPA 300.0 Rev 2.1 1993	647165		
92560774005	DGWC-14	EPA 300.0 Rev 2.1 1993	647165		
92560774006	DGWC-15	EPA 300.0 Rev 2.1 1993	647165		
92560774007	DGWC-19	EPA 300.0 Rev 2.1 1993	647165		
92560774008	DGWC-21	EPA 300.0 Rev 2.1 1993	647165		
92560774009	DGWC-23	EPA 300.0 Rev 2.1 1993	647165		
92560774010	EB-1	EPA 300.0 Rev 2.1 1993	647165		
92560774011	FB-1	EPA 300.0 Rev 2.1 1993	647165		
92560774012	DGWC-4	EPA 300.0 Rev 2.1 1993	647165		
92560774013	DGWC-5	EPA 300.0 Rev 2.1 1993	647165		
92560774014	DUP-2	EPA 300.0 Rev 2.1 1993	647165		
92560774015	DGWC-9	EPA 300.0 Rev 2.1 1993	647165		
92560774016	FB-2	EPA 300.0 Rev 2.1 1993	647165		
92560774017	DGWC-10	EPA 300.0 Rev 2.1 1993	647165		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MCDONOUGH AP-2/3/4

Pace Project No.: 92560774

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92560774018	DGWC-20	EPA 300.0 Rev 2.1 1993	647165		
92560774019	DGWC-22	EPA 300.0 Rev 2.1 1993	647236		
92560774020	DGWC-47	EPA 300.0 Rev 2.1 1993	647236		
92560774021	DGWC-48	EPA 300.0 Rev 2.1 1993	647237		
92560774022	DUP-1	EPA 300.0 Rev 2.1 1993	647237		
92560774023	EB-2	EPA 300.0 Rev 2.1 1993	647237		
92560774024	DGWC-8	EPA 300.0 Rev 2.1 1993	647237		
92560774025	DGWC-17	EPA 300.0 Rev 2.1 1993	647237		
92560774026	DGWC-42	EPA 300.0 Rev 2.1 1993	647237		

REPORT OF LABORATORY ANALYSIS

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Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

Georgia Power

Project #:

WO# : 92560774



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

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: *MT 9/18/21*

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen?

Yes No N/A

Thermometer:

IR Gun ID: 230

Type of Ice: Wet Blue None

Cooler Temp: 3.4

Correction Factor: Add/Subtract (°C) ± 0.1

Temp should be above freezing to 6°C

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

Cooler Temp Corrected (°C): 3.5

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)?

Yes No

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

Comments/Discrepancy:

Chain of Custody Present?	<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 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: <i>WT</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: _____



Document Name:
Sample Condition Upon Receipt(SCUR)

Document Revised: October 28, 2020
Page 2 of 2

Document No.:
F-CAR-CS-033-Rev.07

Issuing Authority:
Pace Carolinas Quality Office

*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

Project #

WO# : 92560774

PM: NMG

Due Date: 09/24/21

CLIENT: GR-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)	BP4C-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)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (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)	BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	V5GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
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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 DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.



Document Name:
Sample Condition Upon Receipt(SCUR)

Document No.:
F-CAR-CS-033-Rev.07

Document Revised: October 28, 2020
Page 2 of 2

Issuing Authority:
Pace Carolinas Quality Office

*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

Project #

WO# : 92560774

PM: NMG

Due Date: 09/24/21

CLIENT: GA-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)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFW-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)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	D69H-40 mL VOA HCl (N/A)	V69T-40 mL VOA Na2S2O3 (N/A)	V69U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SPST-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	V5GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
1																													
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10																													
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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 DEHNR 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
 Client Information:
 Georgia Power - Coal Combustion Residuals
 2400 Manor Road
 Atlanta, GA 30339
 jlabraham@southern.com
 (404) 506-7238
 10 Day TAT

Section B
 Required Project Information:
 Report for: Jau Abraham
 Copy To: Golden
 Project Name: Plant M&C through AP-2/3/4
 Project #: 16949515
 Requested Analytes Filtered (Y/N):

Section C
 Invoice Information:
 Attention: scimcor@southern.com
 Company Name: Southern
 Address:
 Pace Order #
 Pace Project Manager: Kevin Herring
 Pace Project #:
 Requested Analytes Filtered (Y/N):

Regulatory Agency:
 State / Location: GA

Page: 1 of 1

SAMPLE ID	DATE	TIME	# OF CONTAINERS	PRESERVATIVES						ANALYTES TEST			Residual Chlorine (Y/N)	pH	
				Unpreserved - Ice	H2SO4	HNO3 + Ice	HCl	NaOH + Zn Acetate	Na2S2O3	Methanol	Other	App. III/IV Total Metals			Cl, F, SO4, TDS
1	9/9/2021	13:10	5	2	3										pH = 6.00
2	9/9/2021	9:55	7	2	5										pH = 5.59
3	9/9/2021	14:35	5	2	3										pH = 6.07
4	9/9/2021	15:10	5	2	3										pH = 5.69
5	9/9/2021	15:50	5	2	3										pH = 5.70
6	9/9/2021	13:48	5	2	3										pH = 5.83
7	9/9/2021	13:48	5	2	3										pH = 4.82
8	9/9/2021	12:43	5	2	3										pH = 5.73
9	9/9/2021	12:15	5	2	3										pH = 6.00
0	9/9/2021	16:40	5	2	3										pH NA
1	9/9/2021	13:40	5	2	3										pH NA
2	9/10/2021	11:08	5	2	3										pH = 5.83
3	9/10/2021	14:32	5	2	3										pH = 4.89
4	9/10/2021	-	5	2	3										pH NA
5	9/10/2021	11:32	5	2	3										pH = 3.96

Requested by / Affiliation: Jau Abraham

DATE: 9/10/21

TIME: 17:10

Accepted by / Affiliation: Charles Furt

DATE: 9/10/21

TIME: 19:40:34

TEMP in C

Received on ice (Y/N) Custody Sealed Cooler (Y/N) Samples Intact (Y/N)

DATE signed: 9/10/21

JUDE WAGUESPAR



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: Agency: Georgia Power - Coal Combustion Residuals 2450 Manor Road Atlanta, GA 30339 Email: jsteham@southernco.com Phone: (404) 506-7238 Project Date: 10 Day TAT	Section B Required Project Information: Report To: Jim Abraham Copy To: Corder Purchase Order #: Project Name: Plant McDermott, pH A1-2, Q14 Project # : 1658496_0 Invoice Information: Attention: Environmental Services Company Name: Address: Price Quote: Price Project Manager: Kevin Henry Price Profile # : Regulatory Agency: State / Location: GA
--	--

LINE #	SAMPLE ID	MATRIX	CODE	DATE	TIME	SAMPLE TEMP AT COLLECTION	PRESERVATIVES							ANALYSES TEST			Residual Chlorine (Y/N)	pH		
							# OF CONTAINERS	Unpreserved - Ice	H2SO4	HNO3 + Ice	HCl	NaOH + Zn Acetate	Na2S2O3	Methanol	Other	Y/N			App III/IV Total Metals	Cl, F, SO4, TDS
1	FB-2	Drinking Water	GW	9/10/2021	11:00		5	2	3							X	X	X		pH = NA
2	DGWC-10	Water	WT	9/10/2021	13:30		7	2	5							X	X	X		pH = 5.05
3	DGWC-20	Water	WT	9/10/2021	12:48		5	2	3							X	X	X		pH = 4.67
4	DGWC-22	Water	WT	9/10/2021	12:58		5	2	3							X	X	X		pH = 5.55
5	DGWC-47	Water	WT	9/10/2021	11:00		5	2	3							X	X	X		pH = 4.10
6	DGWC-49	Water	WT	9/10/2021	10:56		5	2	3							X	X	X		pH = 4.30
7	DUP_1	Water	WT	9/10/2021	--		5	2	3							X	X	X		pH = NA
8	EB-2	Water	WT	9/10/2021	10:35		5	2	3							X	X	X		pH = NA
9																				
0																				
1																				
2																				
3																				
4																				

ADDITIONAL COMMENTS

RELINQUISHED BY / AFFILIATION: *Jim Abraham*
 DATE: 9/10/21
 TIME: 1:30
 ACCEPTED BY / AFFILIATION: *Kevin Henry*
 DATE: 9/10/21
 TIME: 3:54
 SAMPLE CONDITIONS: Y N Y

TEMP in C: _____
 Received on Ice (Y/N): _____
 Custody Sealed Cooler (Y/N): _____
 Samples Intact (Y/N): _____

DATE signed: 9/10/21

	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: October 28, 2020 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.07	Issuing Authority: Pace Carolinas Quality Office

Laboratory receiving samples:

Ashville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt Client Name: GA POWER Project #:

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

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 9/14/21 kad

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: In Gun ID: THR214 Type of Ice: Wet Blue None

Cooler Temp: 1.9 Correction Factor: Add/Subtract (°C) -0.1

Temp should be above freezing to 5°C
 Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 1.8

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 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.	<u>10 Day TAT</u>
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:	<u>W</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 SCUR Review: _____

Date: _____

Project Manager SRF Review: _____

Date: _____



Document Name:
Sample Condition Upon Receipt (SCUR)
 Document No.:
F-CAR-CS-033-Rev.07

Document Revised: October 28, 2020
 Page 2 of 2
 Issuing Authority:
 Pace Carolinas Quality Office

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

Project #

Exceptions: VOA, Colform, TOC, Oil and Grease, DRD/BD15 (water) DOC, UMG

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

--

Item #	BP4U-175 mL Plastic Unpreserved (N/A) (C-)	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) (C-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4C-125 mL Plastic ZN Acetate & NaOH (pH > 12) (C-)	BP4C-125 mL Plastic NaOH (pH > 12) (C-)	WGFA-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (C-)	AG2H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (C-)	AG2S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3M(663M) 250 mL Amber NH4Cl (N/A) (C-)	DG9H-40 mL VOA HCl (N/A)	VG8T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Ump (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Quack kit (N/A)	SP9T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-50 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
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10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

BPIN
 R22A
 R22A

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 DEHNR Certification Office (i.e. Out of field, 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 Chain Information: **Requester Information**
 Agency: **Central Power - Coal Conversion Board** Request To: **for Analysis**
 Address: **3400 Blaine Road** County: **Clark**
 City: **Las Vegas, NV**
 State: **NV** Zip: **89102**

Section B
 Requested Project Information
 Project Name: **Central Power**
 Project No.: **100000001**
 Project Manager: **Mark Heston**

Section C
 Requested Analytical Information
 Analytical Method: **ICP-OES**
 Analytical Lab: **ICP-OES**
 Analytical Method: **ICP-OES**
 Analytical Method: **ICP-OES**

ITEM #	ANALYTICAL COMPONENTS	ANALYTICAL METHOD	DATE	TIME	TEMP	ANALYST	LAB	REMARKS	PH
1	DOMC-D	ICP-OES	9-11-11	11:30	68.56	ICP-OES	9-11-11	PH = 8.05	
2	DOMC-F	ICP-OES	9-11-11	11:34	68.56	ICP-OES	9-11-11	PH = 8.06	
3	DOMC-G	ICP-OES	9-11-11	11:38	68.56	ICP-OES	9-11-11	PH = 8.15	
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									

TEMP & C

Received on ice (Y/N)

Cooled by Sealed Cooler (Y/N)

Samples intact (Y/N)

DATE Signed: 9-19-11

Page: 1 of 1

October 22, 2021

Joju Abraham
Georgia Power-CCR
2480 Maner Road
Atlanta, GA 30339

RE: Project: MCDONOUGH AP-2/3/4 RADS
Pace Project No.: 92560766

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between September 10, 2021 and September 14, 2021. 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,



Nicole D'Oleo
nicole.d'oleo@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Stephen Benda
Daniela Herrera, Golder
Ben Hodges, Georgia Power
Kristen Jurinko
J. Shelby Mobley
Charles Norton, Southern Company
Ms. Lauren Petty, Southern Company
Dawn Prell, Golder Associates Inc.
Tim Richards, Golder Associates - Atlanta



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
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CERTIFICATIONS

Project: MCDONOUGH AP-2/3/4 RADS

Pace Project No.: 92560766

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601

ANAB DOD-ELAP Rad Accreditation #: L2417

Alabama Certification #: 41590

Arizona Certification #: AZ0734

Arkansas Certification

California Certification #: 04222CA

Colorado Certification #: PA01547

Connecticut Certification #: PH-0694

Delaware Certification

EPA Region 4 DW Rad

Florida/TNI Certification #: E87683

Georgia Certification #: C040

Florida: Cert E871149 SEKS WET

Guam Certification

Hawaii Certification

Idaho Certification

Illinois Certification

Indiana Certification

Iowa Certification #: 391

Kansas/TNI Certification #: E-10358

Kentucky Certification #: KY90133

KY WW Permit #: KY0098221

KY WW Permit #: KY0000221

Louisiana DHH/TNI Certification #: LA180012

Louisiana DEQ/TNI Certification #: 4086

Maine Certification #: 2017020

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 #: PA014572018-1

New Hampshire/TNI Certification #: 297617

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 #: PA200002-010

Pennsylvania/TNI Certification #: 65-00282

Puerto Rico Certification #: PA01457

Rhode Island Certification #: 65-00282

South Dakota Certification

Tennessee Certification #: 02867

Texas/TNI Certification #: T104704188-17-3

Utah/TNI Certification #: PA014572017-9

USDA Soil Permit #: P330-17-00091

Vermont Dept. of Health: ID# VT-0282

Virgin Island/PADEP Certification

Virginia/VELAP Certification #: 9526

Washington Certification #: C868

West Virginia DEP Certification #: 143

West Virginia DHHR Certification #: 9964C

Wisconsin Approve List for Rad

Wyoming Certification #: 8TMS-L

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: MCDONOUGH AP-2/3/4 RADS

Pace Project No.: 92560766

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92560766001	DGWC-2	Water	09/09/21 13:10	09/10/21 17:40
92560766002	DGWC-11	Water	09/09/21 09:55	09/10/21 17:40
92560766003	DGWC-12	Water	09/09/21 14:25	09/10/21 17:40
92560766004	DGWC-13	Water	09/09/21 15:10	09/10/21 17:40
92560766005	DGWC-14	Water	09/09/21 15:50	09/10/21 17:40
92560766006	DGWC-15	Water	09/09/21 13:49	09/10/21 17:40
92560766007	DGWC-19	Water	09/09/21 15:48	09/10/21 17:40
92560766008	DGWC-21	Water	09/09/21 12:43	09/10/21 17:40
92560766009	DGWC-23	Water	09/09/21 12:15	09/10/21 17:40
92560766010	EB-1	Water	09/09/21 16:40	09/10/21 17:40
92560766011	FB-1	Water	09/09/21 13:40	09/10/21 17:40
92560766012	DGWC-4	Water	09/10/21 11:08	09/10/21 17:40
92560766013	DGWC-5	Water	09/10/21 14:32	09/10/21 17:40
92560766014	DUP-2	Water	09/10/21 00:00	09/10/21 17:40
92560766015	DGWC-9	Water	09/10/21 11:32	09/10/21 17:40
92560766016	FB-2	Water	09/10/21 11:00	09/10/21 17:40
92560766017	DGWC-10	Water	09/10/21 13:30	09/10/21 17:40
92560766018	DGWC-20	Water	09/10/21 12:46	09/10/21 17:40
92560766019	DGWC-22	Water	09/10/21 12:58	09/10/21 17:40
92560766020	DGWC-47	Water	09/10/21 11:00	09/10/21 17:40
92560766021	DGWC-48	Water	09/10/21 10:56	09/10/21 17:40
92560766022	DUP-1	Water	09/10/21 00:00	09/10/21 17:40
92560766023	EB-2	Water	09/10/21 10:35	09/10/21 17:40
92560766024	DGWC-8	Water	09/13/21 11:00	09/14/21 09:35
92560766025	DGWC-17	Water	09/13/21 11:04	09/14/21 09:35
92560766026	DGWC-42	Water	09/13/21 15:00	09/14/21 09:35

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: MCDONOUGH AP-2/3/4 RADS
Pace Project No.: 92560766

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92560766001	DGWC-2	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92560766002	DGWC-11	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92560766003	DGWC-12	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92560766004	DGWC-13	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92560766005	DGWC-14	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92560766006	DGWC-15	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92560766007	DGWC-19	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92560766008	DGWC-21	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92560766009	DGWC-23	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92560766010	EB-1	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92560766011	FB-1	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JC2	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92560766012	DGWC-4	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JC2	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92560766013	DGWC-5	EPA 9315	SLC	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: MCDONOUGH AP-2/3/4 RADS

Pace Project No.: 92560766

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92560766014	DUP-2	EPA 9320	JC2	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92560766015	DGWC-9	EPA 9320	JC2	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92560766016	FB-2	EPA 9320	JC2	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92560766017	DGWC-10	EPA 9320	JC2	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92560766018	DGWC-20	EPA 9320	JC2	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92560766019	DGWC-22	EPA 9320	JC2	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92560766020	DGWC-47	EPA 9320	JC2	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92560766021	DGWC-48	EPA 9320	JC2	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92560766022	DUP-1	EPA 9320	JC2	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92560766023	EB-2	EPA 9320	JC2	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92560766024	DGWC-8	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92560766025	DGWC-17	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA

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SAMPLE ANALYTE COUNT

Project: MCDONOUGH AP-2/3/4 RADS

Pace Project No.: 92560766

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92560766026	DGWC-42	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 RADS

Pace Project No.: 92560766

Sample: **DGWC-2** Lab ID: **92560766001** Collected: 09/09/21 13:10 Received: 09/10/21 17:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.400 ± 0.296 (0.524) C:73% T:NA	pCi/L	10/06/21 08:14	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.815 ± 0.452 (0.821) C:70% T:82%	pCi/L	09/30/21 11:25	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.22 ± 0.748 (1.35)	pCi/L	10/06/21 15:27	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 RADS

Pace Project No.: 92560766

Sample: DGWC-11 **Lab ID: 92560766002** Collected: 09/09/21 09:55 Received: 09/10/21 17:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.416 ± 0.235 (0.313) C:91% T:NA	pCi/L	10/06/21 08:14	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.782 ± 0.472 (0.892) C:66% T:91%	pCi/L	09/30/21 11:25	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.20 ± 0.707 (1.21)	pCi/L	10/06/21 15:27	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 RADS

Pace Project No.: 92560766

Sample: DGWC-12 **Lab ID: 92560766003** Collected: 09/09/21 14:25 Received: 09/10/21 17:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.230 ± 0.216 (0.415) C:91% T:NA	pCi/L	10/06/21 08:14	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.55 ± 0.571 (0.868) C:70% T:86%	pCi/L	09/30/21 11:25	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.78 ± 0.787 (1.28)	pCi/L	10/06/21 15:27	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 RADS

Pace Project No.: 92560766

Sample: DGWC-13 **Lab ID: 92560766004** Collected: 09/09/21 15:10 Received: 09/10/21 17:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.361 ± 0.289 (0.546) C:86% T:NA	pCi/L	10/06/21 08:14	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.870 ± 0.436 (0.763) C:70% T:89%	pCi/L	09/30/21 11:25	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.23 ± 0.725 (1.31)	pCi/L	10/06/21 15:27	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 RADS

Pace Project No.: 92560766

Sample: DGWC-14 **Lab ID: 92560766005** Collected: 09/09/21 15:50 Received: 09/10/21 17:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.502 ± 0.282 (0.433) C:90% T:NA	pCi/L	10/06/21 08:14	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.141 ± 0.358 (0.800) C:69% T:80%	pCi/L	09/30/21 11:29	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.643 ± 0.640 (1.23)	pCi/L	10/06/21 15:27	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 RADS

Pace Project No.: 92560766

Sample: DGWC-15 **Lab ID: 92560766006** Collected: 09/09/21 13:49 Received: 09/10/21 17:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.259 ± 0.229 (0.432) C:86% T:NA	pCi/L	10/06/21 08:14	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.365 ± 0.345 (0.702) C:68% T:89%	pCi/L	09/30/21 11:31	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.624 ± 0.574 (1.13)	pCi/L	10/06/21 15:27	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 RADS

Pace Project No.: 92560766

Sample: DGWC-19 **Lab ID: 92560766007** Collected: 09/09/21 15:48 Received: 09/10/21 17:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.126 ± 0.212 (0.477) C:92% T:NA	pCi/L	10/06/21 08:15	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.113 ± 0.315 (0.708) C:70% T:84%	pCi/L	09/30/21 11:29	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.239 ± 0.527 (1.19)	pCi/L	10/06/21 15:27	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 RADS

Pace Project No.: 92560766

Sample: DGWC-21 **Lab ID: 92560766008** Collected: 09/09/21 12:43 Received: 09/10/21 17:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.148 ± 0.169 (0.334) C:91% T:NA	pCi/L	10/06/21 08:15	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.554 ± 0.407 (0.793) C:68% T:83%	pCi/L	09/30/21 11:30	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.702 ± 0.576 (1.13)	pCi/L	10/06/21 15:27	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 RADS

Pace Project No.: 92560766

Sample: DGWC-23 **Lab ID: 92560766009** Collected: 09/09/21 12:15 Received: 09/10/21 17:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.903 ± 0.358 (0.407) C:84% T:NA	pCi/L	10/06/21 08:15	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.903 ± 0.478 (0.862) C:69% T:87%	pCi/L	09/30/21 11:30	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.81 ± 0.836 (1.27)	pCi/L	10/06/21 15:27	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 RADS

Pace Project No.: 92560766

Sample: EB-1 **Lab ID: 92560766010** Collected: 09/09/21 16:40 Received: 09/10/21 17:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.526 ± 0.309 (0.467) C:70% T:NA	pCi/L	10/06/21 08:15	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.468 ± 0.381 (0.756) C:70% T:87%	pCi/L	09/30/21 11:30	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.994 ± 0.690 (1.22)	pCi/L	10/06/21 15:27	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 RADS

Pace Project No.: 92560766

Sample: FB-1 **Lab ID: 92560766011** Collected: 09/09/21 13:40 Received: 09/10/21 17:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.138 ± 0.176 (0.365) C:98% T:NA	pCi/L	10/06/21 08:19	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.488 ± 0.395 (0.787) C:67% T:90%	pCi/L	10/04/21 12:03	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.626 ± 0.571 (1.15)	pCi/L	10/06/21 15:27	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 RADS

Pace Project No.: 92560766

Sample: DGWC-4 **Lab ID: 92560766012** Collected: 09/10/21 11:08 Received: 09/10/21 17:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.266 ± 0.236 (0.452) C:89% T:NA	pCi/L	10/06/21 08:20	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	1.19 ± 0.531 (0.896) C:67% T:86%	pCi/L	10/04/21 12:03	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.46 ± 0.767 (1.35)	pCi/L	10/06/21 15:27	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 RADS

Pace Project No.: 92560766

Sample: DGWC-5 **Lab ID: 92560766013** Collected: 09/10/21 14:32 Received: 09/10/21 17:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.121 ± 0.167 (0.359) C:100% T:NA	pCi/L	10/06/21 08:21	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.03 ± 0.455 (0.743) C:69% T:87%	pCi/L	10/04/21 12:04	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.15 ± 0.622 (1.10)	pCi/L	10/06/21 15:27	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 RADS

Pace Project No.: 92560766

Sample: DUP-2 **Lab ID: 92560766014** Collected: 09/10/21 00:00 Received: 09/10/21 17:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.623 ± 0.329 (0.538) C:98% T:NA	pCi/L	10/06/21 08:21	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.732 ± 0.416 (0.752) C:67% T:88%	pCi/L	10/04/21 12:04	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.36 ± 0.745 (1.29)	pCi/L	10/06/21 15:27	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 RADS

Pace Project No.: 92560766

Sample: DGWC-9 **Lab ID: 92560766015** Collected: 09/10/21 11:32 Received: 09/10/21 17:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.252 ± 0.208 (0.378) C:102% T:NA	pCi/L	10/06/21 08:21	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.03 ± 0.429 (0.667) C:69% T:88%	pCi/L	10/04/21 14:57	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.28 ± 0.637 (1.05)	pCi/L	10/06/21 15:27	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 RADS

Pace Project No.: 92560766

Sample: FB-2 **Lab ID: 92560766016** Collected: 09/10/21 11:00 Received: 09/10/21 17:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.114 ± 0.261 (0.608) C:100% T:NA	pCi/L	10/06/21 08:21	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.418 ± 0.379 (0.768) C:64% T:91%	pCi/L	10/04/21 14:57	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.532 ± 0.640 (1.38)	pCi/L	10/06/21 15:27	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 RADS

Pace Project No.: 92560766

Sample: DGWC-10 **Lab ID: 92560766017** Collected: 09/10/21 13:30 Received: 09/10/21 17:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.383 ± 0.234 (0.356) C:97% T:NA	pCi/L	10/06/21 08:21	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.499 ± 0.382 (0.748) C:69% T:87%	pCi/L	10/04/21 14:57	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.882 ± 0.616 (1.10)	pCi/L	10/06/21 15:27	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 RADS

Pace Project No.: 92560766

Sample: DGWC-20 **Lab ID: 92560766018** Collected: 09/10/21 12:46 Received: 09/10/21 17:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.0670 ± 0.173 (0.415) C:100% T:NA	pCi/L	10/06/21 08:21	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.622 ± 0.401 (0.762) C:69% T:92%	pCi/L	10/04/21 14:57	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.689 ± 0.574 (1.18)	pCi/L	10/06/21 15:27	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 RADS

Pace Project No.: 92560766

Sample: DGWC-22 **Lab ID: 92560766019** Collected: 09/10/21 12:58 Received: 09/10/21 17:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.0544 ± 0.175 (0.429) C:98% T:NA	pCi/L	10/06/21 08:21	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.562 ± 0.377 (0.709) C:72% T:79%	pCi/L	10/04/21 14:57	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.616 ± 0.552 (1.14)	pCi/L	10/06/21 15:27	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 RADS

Pace Project No.: 92560766

Sample: DGWC-47 **Lab ID: 92560766020** Collected: 09/10/21 11:00 Received: 09/10/21 17:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.479 ± 0.271 (0.409) C:92% T:NA	pCi/L	10/06/21 08:24	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.84 ± 0.600 (0.792) C:68% T:85%	pCi/L	10/04/21 14:57	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	2.32 ± 0.871 (1.20)	pCi/L	10/06/21 15:27	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 RADS

Pace Project No.: 92560766

Sample: DGWC-48 **Lab ID: 92560766021** Collected: 09/10/21 10:56 Received: 09/10/21 17:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.387 ± 0.218 (0.281) C:97% T:NA	pCi/L	10/06/21 08:24	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	1.82 ± 0.659 (0.967) C:64% T:79%	pCi/L	10/04/21 14:57	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	2.21 ± 0.877 (1.25)	pCi/L	10/06/21 15:27	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 RADS

Pace Project No.: 92560766

Sample: DUP-1 **Lab ID: 92560766022** Collected: 09/10/21 00:00 Received: 09/10/21 17:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.294 ± 0.224 (0.399) C:99% T:NA	pCi/L	10/06/21 08:24	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.41 ± 0.518 (0.754) C:65% T:93%	pCi/L	10/04/21 14:59	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.70 ± 0.742 (1.15)	pCi/L	10/06/21 15:27	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 RADS

Pace Project No.: 92560766

Sample: EB-2 **Lab ID: 92560766023** Collected: 09/10/21 10:35 Received: 09/10/21 17:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.159 ± 0.181 (0.368) C:99% T:NA	pCi/L	10/06/21 08:24	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.409 ± 0.333 (0.655) C:67% T:94%	pCi/L	10/04/21 14:59	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.568 ± 0.514 (1.02)	pCi/L	10/06/21 15:27	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 RADS

Pace Project No.: 92560766

Sample: DGWC-8 **Lab ID: 92560766024** Collected: 09/13/21 11:00 Received: 09/14/21 09:35 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	-0.0716 ± 0.187 (0.547) C:77% T:NA	pCi/L	10/06/21 08:12	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.916 ± 0.433 (0.749) C:75% T:94%	pCi/L	09/30/21 11:25	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.916 ± 0.620 (1.30)	pCi/L	10/06/21 15:27	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 RADS

Pace Project No.: 92560766

Sample: DGWC-17 **Lab ID: 92560766025** Collected: 09/13/21 11:04 Received: 09/14/21 09:35 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	0.171 ± 0.263 (0.586) C:95% T:NA	pCi/L	10/06/21 08:13	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.679 ± 0.413 (0.777) C:74% T:88%	pCi/L	09/30/21 11:25	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.850 ± 0.676 (1.36)	pCi/L	10/06/21 15:27	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 RADS

Pace Project No.: 92560766

Sample: DGWC-42 **Lab ID: 92560766026** Collected: 09/13/21 15:00 Received: 09/14/21 09:35 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	0.128 ± 0.225 (0.510) C:85% T:NA	pCi/L	10/06/21 08:13	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.02 ± 0.465 (0.775) C:67% T:88%	pCi/L	09/30/21 11:25	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.15 ± 0.690 (1.29)	pCi/L	10/06/21 15:27	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 RADS

Pace Project No.: 92560766

QC Batch:	465343	Analysis Method:	EPA 9320
QC Batch Method:	EPA 9320	Analysis Description:	9320 Radium 228
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 92560766011, 92560766012, 92560766013, 92560766014, 92560766015, 92560766016, 92560766017, 92560766018, 92560766019, 92560766020, 92560766021, 92560766022, 92560766023

METHOD BLANK: 2247069 Matrix: Water

Associated Lab Samples: 92560766011, 92560766012, 92560766013, 92560766014, 92560766015, 92560766016, 92560766017, 92560766018, 92560766019, 92560766020, 92560766021, 92560766022, 92560766023

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.209 ± 0.287 (0.612) C:69% T:89%	pCi/L	10/04/21 11:58	

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: MCDONOUGH AP-2/3/4 RADS
Pace Project No.: 92560766

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: MCDONOUGH AP-2/3/4 RADS
Pace Project No.: 92560766

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92560766001	DGWC-2	EPA 9315	465342		
92560766002	DGWC-11	EPA 9315	465342		
92560766003	DGWC-12	EPA 9315	465342		
92560766004	DGWC-13	EPA 9315	465342		
92560766005	DGWC-14	EPA 9315	465342		
92560766006	DGWC-15	EPA 9315	465342		
92560766007	DGWC-19	EPA 9315	465342		
92560766008	DGWC-21	EPA 9315	465342		
92560766009	DGWC-23	EPA 9315	465342		
92560766010	EB-1	EPA 9315	465342		
92560766011	FB-1	EPA 9315	465344		
92560766012	DGWC-4	EPA 9315	465344		
92560766013	DGWC-5	EPA 9315	465344		
92560766014	DUP-2	EPA 9315	465344		
92560766015	DGWC-9	EPA 9315	465344		
92560766016	FB-2	EPA 9315	465344		
92560766017	DGWC-10	EPA 9315	465344		
92560766018	DGWC-20	EPA 9315	465344		
92560766019	DGWC-22	EPA 9315	465344		
92560766020	DGWC-47	EPA 9315	465344		
92560766021	DGWC-48	EPA 9315	465344		
92560766022	DUP-1	EPA 9315	465344		
92560766023	EB-2	EPA 9315	465344		
92560766024	DGWC-8	EPA 9315	465342		
92560766025	DGWC-17	EPA 9315	465342		
92560766026	DGWC-42	EPA 9315	465342		
92560766001	DGWC-2	EPA 9320	465341		
92560766002	DGWC-11	EPA 9320	465341		
92560766003	DGWC-12	EPA 9320	465341		
92560766004	DGWC-13	EPA 9320	465341		
92560766005	DGWC-14	EPA 9320	465341		
92560766006	DGWC-15	EPA 9320	465341		
92560766007	DGWC-19	EPA 9320	465341		
92560766008	DGWC-21	EPA 9320	465341		
92560766009	DGWC-23	EPA 9320	465341		
92560766010	EB-1	EPA 9320	465341		
92560766011	FB-1	EPA 9320	465343		
92560766012	DGWC-4	EPA 9320	465343		
92560766013	DGWC-5	EPA 9320	465343		
92560766014	DUP-2	EPA 9320	465343		
92560766015	DGWC-9	EPA 9320	465343		
92560766016	FB-2	EPA 9320	465343		
92560766017	DGWC-10	EPA 9320	465343		
92560766018	DGWC-20	EPA 9320	465343		
92560766019	DGWC-22	EPA 9320	465343		
92560766020	DGWC-47	EPA 9320	465343		
92560766021	DGWC-48	EPA 9320	465343		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MCDONOUGH AP-2/3/4 RADS
Pace Project No.: 92560766

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92560766022	DUP-1	EPA 9320	465343		
92560766023	EB-2	EPA 9320	465343		
92560766024	DGWC-8	EPA 9320	465341		
92560766025	DGWC-17	EPA 9320	465341		
92560766026	DGWC-42	EPA 9320	465341		
92560766001	DGWC-2	Total Radium Calculation	467010		
92560766002	DGWC-11	Total Radium Calculation	467010		
92560766003	DGWC-12	Total Radium Calculation	467010		
92560766004	DGWC-13	Total Radium Calculation	467010		
92560766005	DGWC-14	Total Radium Calculation	467010		
92560766006	DGWC-15	Total Radium Calculation	467010		
92560766007	DGWC-19	Total Radium Calculation	467010		
92560766008	DGWC-21	Total Radium Calculation	467010		
92560766009	DGWC-23	Total Radium Calculation	467010		
92560766010	EB-1	Total Radium Calculation	467010		
92560766011	FB-1	Total Radium Calculation	467010		
92560766012	DGWC-4	Total Radium Calculation	467010		
92560766013	DGWC-5	Total Radium Calculation	467010		
92560766014	DUP-2	Total Radium Calculation	467010		
92560766015	DGWC-9	Total Radium Calculation	467010		
92560766016	FB-2	Total Radium Calculation	467011		
92560766017	DGWC-10	Total Radium Calculation	467011		
92560766018	DGWC-20	Total Radium Calculation	467011		
92560766019	DGWC-22	Total Radium Calculation	467011		
92560766020	DGWC-47	Total Radium Calculation	467011		
92560766021	DGWC-48	Total Radium Calculation	467011		
92560766022	DUP-1	Total Radium Calculation	467011		
92560766023	EB-2	Total Radium Calculation	467011		
92560766024	DGWC-8	Total Radium Calculation	467010		
92560766025	DGWC-17	Total Radium Calculation	467010		
92560766026	DGWC-42	Total Radium Calculation	467010		

REPORT OF LABORATORY ANALYSIS

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Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name: Georgia Power

Project #: **WO# : 92560766**

Courier: Commercial Fed Ex Pace UPS USPS Other: Client



Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: MT 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: 3.4 Correction Factor: ± 0.1
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): 3.5

USDA Regulated Soil (N/A, water sample)

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

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

			Comments/Discrepancy:
Chain of Custody Present?	<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 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/Analys's Matrix: <u>WT</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 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: _____



Document Name:
 Sample Condition Upon Receipt(SCUR)
 Document No.:
 F-CAR-CS-033-Rev.07

Document Revised: October 28, 2020
 Page 2 of 2
 Issuing Authority:
 Pace Carolinas Quality Office

*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

Project # **WQ# : 92560766**

PM: NMG

Due Date: 10/01/21

CLIENT: GA-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)	BP4C-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)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (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)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
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pH Adjustment Log for Preserved Samples

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

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



Document Name:
Sample Condition Upon Receipt(SCUR)

Document No.:
F-CAR-CS-033-Rev.07

Document Revised: October 28, 2020
Page 2 of 2

Issuing Authority:
Pace Carolinas Quality Office

*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

Project #

WO# : 92560766

PM: NMG

Due Date: 10/01/21

CLIENT: GA-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)	BP4C-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)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SPST-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
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pH Adjustment Log for Preserved Samples

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

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR 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 Client Information: Georgia Power - Coal Combustion Residues
 2480 Mander Road
 Atlanta, GA 30339
 jbrabham@southenco.com
 (404) 506-7238
 10 Day TAT

Section B Required Project Information: Report for: JON ABRAHAM
 Copy To: Golder
 Project Name: Paint M.C.rough AP-2-314
 Project #: 100948618

Section C Invoice Information: Invoice #: scs000000@southenco.com
 Address:
 POC Name: Kevin Herring
 POC Project Manager: Kevin Herring
 POC Title:
 Price Quote:
 Price Project Manager:
 Price Profile #:
 Regulatory Agency:
 State / Location: GA

Page: 1 of 1

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

SAMPLE ID	MATRIX	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Analytes Test			Residual Chlorine (Y/N)	PH
						Unpreserved - Ice	H2SO4	HNO3 + Ice	HCl	NaOH + Zn Acetate	Na2S2O3	Methanol	Other	App III/IV Total Metals		
DDWC-2	DDWC-2	9/9/2021	13:10		5	2	3									PH = 6.00
DDWC-11	DDWC-11	9/9/2021	9:55		7	2	5									PH = 5.59
DDWC-12	DDWC-12	9/9/2021	14:25		5	2	3									PH = 6.07
DDWC-13	DDWC-13	9/9/2021	15:10		5	2	3									PH = 5.69
DDWC-14	DDWC-14	9/9/2021	15:50		5	2	3									PH = 5.70
DDWC-15	DDWC-15	9/9/2021	13:49		5	2	3									PH = 5.63
DDWC-19	DDWC-19	9/9/2021	15:48		5	2	3									PH = 4.82
DDWC-21	DDWC-21	9/9/2021	12:43		5	2	3									PH = 5.75
DDWC-23	DDWC-23	9/9/2021	12:15		5	2	3									PH = 6.00
EB-1	EB-1	9/9/2021	16:40		5	2	3									PH = NA
FB-1	FB-1	9/9/2021	13:40		5	2	3									PH = NA
DDWC-4	DDWC-4	9/10/2021	11:08		5	2	3									PH = 5.83
DDWC-5	DDWC-5	9/10/2021	14:32		5	2	3									PH = 4.88
DUP-2	DUP-2	9/10/2021	-		5	2	3									PH = NA
DDWC-9	DDWC-9	9/10/2021	11:32		5	2	3									PH = 3.96

RELINQUISHED BY: JON ABRAHAM DATE: 9/10/21 TIME: 17:50
 ACCEPTED BY: CHARLES FORT DATE: 9/10/21 TIME: 17:40

DATE signed: 9/10/21

TEMP in C
 Received on ice (Y/N)
 Custody Sealed Cooler (Y/N)
 Samples Intact (Y/N)

	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: October 28, 2020 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.07	Issuing Authority: Pace Carolinas Quality Office

Laboratory receiving samples:

Ashville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt Client Name: GA POWER Project #:

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

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 9/14/21 kad

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: In Gun ID: TH2214 Type of Ice: Wet Blue None

Cooler Temp: 1.9 Correction Factor: Add/Subtract (°C) -0.1

Temp should be above freezing to 5°C
 Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 1.8

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 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.	<u>10 Day TAT</u>
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: <u>W</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 SCUR Review: _____

Date: _____

Project Manager SRF Review: _____

Date: _____



Document Name:
Sample Condition Upon Receipt (SCUR)
 Document No.:
F-CAR-CS-033-Rev.07

Document Revised: October 28, 2020
 Page 2 of 2
 Issuing Authority:
 Pace Carolinas Quality Office

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

Project #

Exceptions: VOA, Colform, TOC, Oil and Grease, DRD/BD15 (water) DOC, UMG

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

Item #	BP4U-175 mL Plastic Unpreserved (N/A) (C-)	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) (C-)	BP3S-250 mL plastic HNO3 (pH < 2)	BP4C-125 mL Plastic ZN Acetate & NaOH (pH > 12) (C-)	BP4C-125 mL Plastic NaOH (pH > 12) (C-)	WGFA-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (C-)	AG2H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (C-)	AG2S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3M(AG3M) 250 mL Amber NH4Cl (N/A) (C-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Ump (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Quack kit (N/A)	SP9T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-50 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
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7	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
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9	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

pH Adjustment Log for Preserved Samples

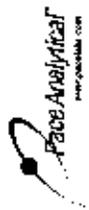
Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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

Quality Control Sample Performance Assessment

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: **Re-228**
 Analyst: **JC2**
 Date: **10/17/2021**
 Worksheet: **62848**
 Matrix: **WI**



Method Blank Assessment

MB Sample ID	2247069
MB concentration:	0.208
MB 2 Sigma CSU:	0.287
MB MDC:	0.612
MB Numerical Performance Indicator	1.43
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment

	LCS02848	LCS02849	LCS02848	Y
Count Data	10/4/2021	10/4/2021	10/4/2021	
Sample ID:	21-029	21-029	21-029	
Decay Corrected Spike Concentration (pCi/mL)	37.973	37.973	37.973	
Volume Used (mL)	0.10	0.10	0.10	
Aliquot Volume (L, g, F):	0.807	0.807	0.812	
Target Conc (pCi/L, g, F)	4.703	4.703	4.876	
Uncertainty (Calculated)	0.236	0.236	0.229	
Result (pCi/L, g, F)	3.772	4.931	4.931	
LCS02848 2 Sigma CSU (pCi/L, g, F):	0.892	1.094	1.094	
Numerical Performance Indicator:	-1.98	0.45	0.45	
Percent Recovery:	80.20%	105.45%	105.45%	
Status vs Numerical Indicator:	Pass	N/A	N/A	
Status vs Recovery:	Pass	Pass	Pass	
Upper % Recovery Limit:	135%	135%	135%	
Lower % Recovery Limit:	60%	60%	60%	

Duplicate Sample Assessment

Sample ID:	Duplicate Sample ID:	Sample Result (pCi/L, g, F):	Duplicate Result (pCi/L, g, F):	Sample Duplicate Result (pCi/L, g, F):	Duplicate Duplicate Result (pCi/L, g, F):	Are sample and/or duplicate results below RL?	Duplicate Numerical Performance Indicator:	Duplicate Status vs Numerical Indicator:	Duplicate Status vs RPD:	% RPD Limit:
LCS02848	LCS02848	3.772	3.772	4.931	4.931	NO	-1.609	Pass	Pass	36%

Are sample and/or duplicate results below RL?
 Duplicate Numerical Performance Indicator:
 Duplicate Status vs Numerical Indicator:
 Duplicate Status vs RPD:
 % RPD Limit:

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

Comments:

Sample Matrix Spike Control Assessment

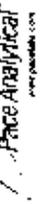
Sample Collection Date:	MS/MSD 1	MS/MSD 2
Sample ID:		
Sample MS ID:		
Sample MSD ID:		
Spike ID:		
MS/MSD Decay Corrected Spike Concentration (pCi/mL):		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc (pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc (pCi/L, g, F):		
MS Spike Uncertainty (calculated):		
MSD Spike Uncertainty (calculated):		
Sample Result 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 Limit:		
MS/MSD Lower % Recovery Limit:		

Matrix Spike/Matrix Spike Duplicate Sample Assessment

Sample ID:	MS/MSD 1	MS/MSD 2
Sample MS ID:		
Sample MSD ID:		
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 Status vs Numerical Indicator:		
Duplicate Status vs RPD:		
% RPD Limit:		

(Handwritten signature)

Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-228
Analyst: VAL
Date: 3/28/2021
Worksheet: 62846
Matrix: WT

Method Blank Assessment	
MB Sample ID	247067
MB Concentration:	0.364
MB 2 Sigma CSU:	0.366
MB MDC:	0.896
MB Numerical Performance Indicator:	2.96
MB Status vs Numerical Indicator:	Warning
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	
LCSD (Y or N)?	Y
LCSD2846	LCSD2846
9/30/2021	9/30/2021
21-029	21-029
38.024	38.024
0.10	0.10
0.813	0.807
4.674	4.710
0.229	0.231
5.375	5.762
1.261	1.275
1.12	1.58
114.95%	122.14%
N/A	N/A
Pass	Pass
135%	135%
60%	60%

Duplicate Sample Assessment	
Sample ID:	LCSD2846
Duplicate Sample ID:	LCSD2846
Sample Result (pCi/L, g, F):	5.375
Sample Result 2 Sigma CSU (pCi/L, g, F):	1.201
Sample Duplicate Result (pCi/L, g, F):	5.752
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.275
Ave sample and/or duplicate results below RL?	NO
Duplicate Numerical Performance Indicator:	-0.422
Duplicate Percent Recoveries:	6.03%
Duplicate Status vs Numerical Indicator:	Pass
Duplicate Status vs RPO:	Pass
% RPD Limit:	36%

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

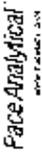
Comments:

Handwritten note: Critical

Sample Matrix Spike Control Assessment	
Sample Collection Date:	Sample ID:
Sample MS ID:	Sample MS ID:
Sample MSD ID:	Sample MSD ID:
MSMSD Decay Corrected Spike Concentration (pCi/mL):	Spike ID:
Spike Volume Used in MS (mL):	Spike Volume Used in MSD (mL):
MS Aliquot (L, g, F):	MS Target Conc. (pCi/L, g, F):
MS Aliquot (L, g, F):	MSD Aliquot (L, g, F):
MS 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):
Matrix Spike Result:	Matrix Spike Result:
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):
Matrix Spike Duplicate Result:	Matrix Spike Duplicate Result:
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):
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 Recovery:	MS Status vs Recovery:
MSMSD Upper % Recovery Limit:	MSMSD Upper % Recovery Limit:
MSMSD Lower % Recovery Limit:	MSMSD Lower % Recovery Limit:

Matrix Spike/Matrix Spike Duplicate Sample Assessment	
Sample ID:	Sample ID:
Sample MS ID:	Sample MS ID:
Sample MSO ID:	Sample MSO ID:
Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):	Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):
Matrix Spike Duplicate Result:	Matrix Spike Duplicate Result:
Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):	Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):
Duplicate Numerical Performance Indicator:	Duplicate Numerical Performance Indicator:
Duplicate Percent Recoveries:	Duplicate Percent Recoveries:
MS/MSO Duplicate Status vs Numerical Indicator:	MS/MSO Duplicate Status vs Numerical Indicator:
MS/MSO Duplicate Status vs RPO:	MS/MSO Duplicate Status vs RPO:
% RPD Limit:	% RPD Limit:

Quality Control Sample Performance Assessment



Analyst: Must Manually Enter All Fields Highlighted in Yellow

Test: Ra-226
Analyst: SLC
Date: 9/27/2021
Worklist: 62R47
Matrix: DJW

Method/Bike Assessment	MB Sample IC	MB Concentration	M/D Counting Uncertainty	MB MDC	MB Numerical Performance Indicator	MB Status vs. Numerical Indicator	MB Status vs. MDC
	2247068	0.189	0.17%	0.337	2.07	N/A	Pass

Laboratory Control Sample Assessment	LCSID (Y or N)?		Y
	LCS62847	LCS062847	
Decay Corrected Spike Concentration (pCi/mL) Volume Used (mL) Aliquot Volume (L, g, F) Target Conc. (pCi/L, g, F) Result (Calculated) Uncertainty (pCi/L, g, F) LCS/LCSD Counting Numerical Performance Indicator	Count Date	10/6/2021	
	Spike I.D.	19-033	
	Volume Used (mL)	24.033	
	Aliquot Volume (L, g, F)	0.10	
	Target Conc. (pCi/L, g, F)	0.509	
LCS/LCSD Counting Numerical Performance Indicator	Result (pCi/L, g, F)	4.719	
	Uncertainty (pCi/L, g, F)	0.057	
	Percent Recovery	4.606	
	Status vs Numerical Indicator	0.693	
	Upper % Recovery Limits	-0.32	
Status vs Recovery	Lower % Recovery Limits	97.60%	
	Status vs Recovery	Pass	
	Upper % Recovery Limits	125%	
	Lower % Recovery Limits	75%	
	Status vs Recovery	Pass	

Duplicate Sample Assessment	LCSID (Y or N)?		Y
	LCS62847	LCS062847	
Sample I.D. Duplicate Sample I.D. Sample Result (pCi/L, g, F) Sample Duplicate Result (pCi/L, g, F) Sample Duplicate Result Counting Uncertainty (pCi/L, g, F) Are sample and/or duplicate results below RLD? Duplicate Numerical Performance Indicator Based on the LCS/LCSD Percent Recoveries: Duplicate RPD	Sample I.D.	92560765023	
	Duplicate Sample I.D.	92560765023DUP	
	Sample Result (pCi/L, g, F)	4.666	
	Sample Duplicate Result (pCi/L, g, F)	0.693	
	Sample Duplicate Result Counting Uncertainty (pCi/L, g, F)	1.636	
Duplicate Numerical Performance Indicator Based on the LCS/LCSD Percent Recoveries: Duplicate RPD	Sample Duplicate Result Counting Uncertainty (pCi/L, g, F)	0.070	
	Are sample and/or duplicate results below RLD?	NO	
	Duplicate Numerical Performance Indicator	-0.641	
	Based on the LCS/LCSD Percent Recoveries: Duplicate RPD	0.27%	
	Duplicate Status vs Numerical Indicator	N/A	
Duplicate Status vs Recovery	Duplicate Status vs RPD	Pass	
	% RPD - Init	75%	
	Duplicate Status vs Recovery	Pass	
	% RPD - Final	25%	
	Duplicate Status vs Recovery	Pass	

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

Comments:

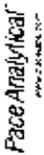
Sample Matrix Spike Control Assessment	MSMSD 1	MSMSD 2
<p>Sample Collection Date</p> <p>Sample I.D.</p> <p>Sample MS I.D.</p> <p>Sample MSO I.D.</p> <p>Spike I.D.</p> <p>Spike Volume Used in MS (mL)</p> <p>Spike Volume Used in MSD (mL)</p> <p>MS Aliquot (L, g, F)</p> <p>MS Target Conc. (pCi/L, g, F)</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 Matrix Spike Result</p> <p>Matrix Spike Result Counting Uncertainty (pCi/L, g, F)</p> <p>Sample Matrix Spike Duplicate Result</p> <p>Matrix Spike Duplicate Result Counting Uncertainty (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>MSMSD Upper % Recovery Limits</p> <p>MSMSD Lower % Recovery Limits</p>		

Matrix Spike/Matrix Spike Duplicate Sample Assessment
<p>Sample I.D.</p> <p>Sample MS I.D.</p> <p>Sample MSO I.D.</p> <p>Sample Matrix Spike Result</p> <p>Matrix Spike Result Counting Uncertainty (pCi/L, g, F)</p> <p>Sample Matrix Spike Duplicate Result</p> <p>Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F)</p> <p>Duplicate Numerical Performance Indicator</p> <p>(Based on the Percent Recoveries) MS/MSD Duplicate RPD</p> <p>MS/MSD Duplicate Status vs Numerical Indicator</p> <p>MS/MSD Duplicate Status vs RPD</p> <p>% RPD - Init</p>

10/16/21

10/16/21

Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-226
Analyst: SLC
Date: 9/28/2021
Worksheet: 62849
Matrix: DW

Method Blank Assessment	MS/MSD 1	MS/MSD 2
MB Sample ID: 224-072		
MB Concentration: 0.007		
MB Counting Uncertainty: 0.168		
MB MDC: 0.443		
MB Numerical Performance Indicator: 0.08		
MB Status vs Numerical Indicator: N/A		
MB Status vs MDC: Pass		

Laboratory Control Sample Assessment	MS/MSD 1	MS/MSD 2
Count Date: 10/6/2021		
Spike ID: 19-033		
Decay Corrected Spike Concentration (pCi/mL): 24.033		
Volume Used (mL): 0.10		
Aliquot Volume (L, g, F): 0.503		
Target Conc (pCi/L, g, F): 4.779		
Uncertainty (Calculated): 0.057		
Result (pCi/L, g, F): 5.249		
LCS/LCSD Counting Uncertainty (pCi/L, g, F): 0.891		
Numerical Performance Indicator: 1.33		
Percent Recovery: 109.83%		
Status vs Numerical Indicator: N/A		
Status vs Recovery: Pass		
Upper % Recovery Limits: 125%		
Lower % Recovery Limits: 75%		

Duplicate Sample Assessment	MS/MSD 1	MS/MSD 2
Sample ID: LCS062849		
Duplicate Sample ID: LCS062849		
Sample Result (pCi/L, g, F): 5.249		
Sample Duplicate Result (pCi/L, g, F): 5.216		
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F): 0.720		
Are sample and/or duplicate results below RL? NO		
Duplicate Numerical Performance Indicator: 0.680		
(Based on the LCS/LCSD Percent Recoveries) Duplicate IIR: 0.82%		
Duplicate Status vs Numerical Indicator: N/A		
Duplicate Status vs RPD: Pass		
% RPD Limit: 25%		

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date: Sample ID: Sample MS ID: Sample MSD ID: Spike I.D.:		
MS/MSD Decay Carried 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): MS Spike Uncertainty (Calculated): MS Spike Uncertainty (Calculated): MSD Spike Uncertainty (Calculated):		
Sample Result Counting Uncertainty (pCi/L, g, F): Sample Matrix Spike Result: Matrix Spike Result Counting Uncertainty (pCi/L, g, F): Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F): MS Numerical Performance Indicator: MSD Numerical Performance Indicator: MS Percent Recovery: MSD Percent Recovery: MS Status vs Numerical Indicator: MSD Status vs Numerical Indicator: MS Status vs Recovery: MSD Status vs Recovery: MS/MSD Upper % Recovery Limit: MS/MSD Lower % Recovery Limit:		

Matrix Spike/Matrix Spike Duplicate Sample Assessment	MS/MSD 1	MS/MSD 2
Sample ID: Sample MS ID: Sample MSD ID: Matrix Spike Result Counting Uncertainty (pCi/L, g, F): Sample Matrix Spike Duplicate Result: Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F): Duplicate Numerical Performance Indicator (Based on the Percent Recoveries) MS: MSD Duplicate RPD: MS: MSD Duplicate Status vs Numerical Indicator: MS: MSD Duplicate Status vs RPD: % RPD Limit:		

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

Comments:

... Results are acceptable due to acceptable precision N/A

17/10/2021 10:01 AM
17/10/2021 10:01 AM

October 06, 2021

Joju Abraham
Georgia Power-CCR
2480 Maner Road
Atlanta, GA 30339

RE: Project: MCDONOUGH AP-2/3/4 ASSESSMENT
Pace Project No.: 92560768

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between September 10, 2021 and September 17, 2021. 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 - Charlotte
- Pace Analytical Services - Peachtree Corners, GA

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

Sincerely,



Nicole D'Oleo
nicole.d'oleo@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Stephen Benda
Daniela Herrera, Golder
Ben Hodges, Georgia Power
Kristen Jurinko
J. Shelby Mobley
Charles Norton, Southern Company
Ms. Lauren Petty, Southern Company
Dawn Prell, Golder Associates Inc.
Tim Richards, Golder Associates - Atlanta



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MCDONOUGH AP-2/3/4 ASSESSMENT

Pace Project No.: 92560768

Pace Analytical Services Charlotte

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078
Louisiana/NELAP Certification # LA170028
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12

South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Virginia/VELAP Certification #: 460221

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 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

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: MCDONOUGH AP-2/3/4 ASSESSMENT

Pace Project No.: 92560768

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92560768002	B-102D	Water	09/10/21 14:27	09/10/21 17:40
92560768003	B-109D	Water	09/10/21 13:05	09/10/21 17:40
92560768004	EB-3	Water	09/10/21 15:00	09/10/21 17:40
92560768005	B-56	Water	09/13/21 13:11	09/14/21 09:35
92560768006	B-88	Water	09/13/21 14:35	09/14/21 09:35
92560768007	B-101D	Water	09/13/21 15:52	09/14/21 09:35
92560768008	B-106D	Water	09/13/21 12:10	09/14/21 09:35
92560768009	B-107D	Water	09/13/21 17:35	09/14/21 09:35
92560768010	FB-3	Water	09/13/21 16:30	09/14/21 09:35
92560768011	DUP-3	Water	09/13/21 00:00	09/14/21 09:35
92560768012	B-63	Water	09/14/21 12:45	09/15/21 09:34
92560768013	B-66	Water	09/14/21 11:02	09/15/21 09:34
92560768014	B-77	Water	09/14/21 10:45	09/15/21 09:34
92560768015	B-82	Water	09/14/21 12:55	09/15/21 09:34
92560768016	B-104D	Water	09/14/21 16:45	09/15/21 09:34
92560768017	B-108D	Water	09/14/21 11:25	09/15/21 09:34
92560768018	B-111D	Water	09/14/21 15:37	09/15/21 09:34
92560768019	B-115D	Water	09/14/21 15:00	09/15/21 09:34
92560768020	B-120D	Water	09/14/21 14:50	09/15/21 09:34
92560768021	DUP-4	Water	09/14/21 00:00	09/15/21 09:34
92560768022	EB-4	Water	09/14/21 16:35	09/15/21 09:34
92560768023	B-92	Water	09/15/21 11:38	09/16/21 09:06
92560768024	B-93	Water	09/15/21 11:31	09/16/21 09:06
92560768025	B-97	Water	09/15/21 12:50	09/16/21 09:06
92560768026	B-98	Water	09/15/21 13:10	09/16/21 09:06
92560768027	DUP-5	Water	09/15/21 00:00	09/16/21 09:06
92560768028	FB-5	Water	09/15/21 13:25	09/16/21 09:06
92560768029	EB-5	Water	09/15/21 13:35	09/16/21 09:06
92560768030	B-83	Water	09/16/21 11:37	09/17/21 17:06
92560768031	FB-6	Water	09/16/21 11:55	09/17/21 17:06

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: MCDONOUGH AP-2/3/4 ASSESSMENT

Pace Project No.: 92560768

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92560768002	B-102D	EPA 6010D	KH	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92560768003	B-109D	EPA 6010D	KH	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92560768004	EB-3	EPA 6010D	KH	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92560768005	B-56	EPA 6010D	KH	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92560768006	B-88	EPA 6010D	KH	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92560768007	B-101D	EPA 6010D	KH	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92560768008	B-106D	EPA 6010D	KH	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92560768009	B-107D	EPA 6010D	KH	1
		EPA 6020B	CW1	13

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: MCDONOUGH AP-2/3/4 ASSESSMENT
Pace Project No.: 92560768

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92560768010	FB-3	EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	KH	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
92560768011	DUP-3	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	KH	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	KH	1
92560768012	B-63	EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	KH	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
92560768013	B-66	SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	KH	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92560768014	B-77	EPA 6010D	KH	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	KH	1
		EPA 6020B	CW1	13
92560768015	B-82	EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	KH	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
92560768016	B-104D	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	KH	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 6010D	KH	1
		EPA 6020B	CW1	13

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SAMPLE ANALYTE COUNT

Project: MCDONOUGH AP-2/3/4 ASSESSMENT
Pace Project No.: 92560768

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92560768017	B-108D	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	KH	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
92560768018	B-111D	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	KH	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
92560768019	B-115D	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	KH	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
92560768020	B-120D	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	KH	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
92560768021	DUP-4	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	KH	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
92560768022	EB-4	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	KH	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
92560768023	B-92	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	KH	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
92560768024	B-93	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	KH	1

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SAMPLE ANALYTE COUNT

Project: MCDONOUGH AP-2/3/4 ASSESSMENT
Pace Project No.: 92560768

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92560768025	B-97	EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	KH	1
92560768026	B-98	EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	KH	1
92560768027	DUP-5	EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	KH	1
92560768028	FB-5	EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	KH	1
92560768029	EB-5	EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	KH	1
92560768030	B-83	EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	KH	1
92560768031	FB-6	EPA 6020B	CW1	13
		EPA 7470A	VB	1

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SAMPLE ANALYTE COUNT

Project: MCDONOUGH AP-2/3/4 ASSESSMENT
Pace Project No.: 92560768

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4 ASSESSMENT
Pace Project No.: 92560768

Sample: B-102D		Lab ID: 92560768002		Collected: 09/10/21 14:27		Received: 09/10/21 17:40		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/13/21 08:41		
pH	5.36	Std. Units			1		09/13/21 08:41		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	84.7	mg/L	1.0	0.12	1	09/23/21 10:02	09/23/21 18:03	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/23/21 08:32	09/23/21 16:46	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	09/23/21 08:32	09/23/21 16:46	7440-38-2	
Barium	0.020	mg/L	0.0050	0.00067	1	09/23/21 08:32	09/23/21 16:46	7440-39-3	
Beryllium	0.0011	mg/L	0.00050	0.000054	1	09/23/21 08:32	09/23/21 16:46	7440-41-7	
Boron	2.5	mg/L	0.040	0.0086	1	09/23/21 08:32	09/23/21 16:46	7440-42-8	
Cadmium	0.00083	mg/L	0.00050	0.00011	1	09/23/21 08:32	09/23/21 16:46	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/23/21 08:32	09/23/21 16:46	7440-47-3	
Cobalt	0.013	mg/L	0.0050	0.00039	1	09/23/21 08:32	09/23/21 16:46	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/23/21 08:32	09/23/21 16:46	7439-92-1	
Lithium	0.012J	mg/L	0.030	0.00073	1	09/23/21 08:32	09/23/21 16:46	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/23/21 08:32	09/23/21 16:46	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/23/21 08:32	09/23/21 16:46	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/23/21 08:32	09/23/21 16:46	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	0.000078	1	09/28/21 11:00	09/28/21 17:09	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	474	mg/L	10.0	10.0	1		09/16/21 14:39		
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		09/15/21 06:54	16887-00-6	
Fluoride	0.083J	mg/L	0.10	0.050	1		09/15/21 06:54	16984-48-8	
Sulfate	271	mg/L	6.0	3.0	6		09/15/21 18:14	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4 ASSESSMENT
Pace Project No.: 92560768

Sample: B-109D		Lab ID: 92560768003		Collected: 09/10/21 13:05		Received: 09/10/21 17:40		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/13/21 08:41		
pH	6.86	Std. Units			1		09/13/21 08:41		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	42.1	mg/L	1.0	0.12	1	09/23/21 10:02	09/23/21 18:08	7440-70-2	M1
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0040	mg/L	0.0030	0.00078	1	09/23/21 08:32	09/23/21 17:08	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	09/23/21 08:32	09/23/21 17:08	7440-38-2	
Barium	0.022	mg/L	0.0050	0.00067	1	09/23/21 08:32	09/23/21 17:08	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	09/23/21 08:32	09/23/21 17:08	7440-41-7	
Boron	0.41	mg/L	0.040	0.0086	1	09/23/21 08:32	09/23/21 17:08	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/23/21 08:32	09/23/21 17:08	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/23/21 08:32	09/23/21 17:08	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	09/23/21 08:32	09/23/21 17:08	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/23/21 08:32	09/23/21 17:08	7439-92-1	
Lithium	0.013J	mg/L	0.030	0.00073	1	09/23/21 08:32	09/23/21 17:08	7439-93-2	
Molybdenum	0.0011J	mg/L	0.010	0.00074	1	09/23/21 08:32	09/23/21 17:08	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/23/21 08:32	09/23/21 17:08	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/23/21 08:32	09/23/21 17:08	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	0.000078	1	09/28/21 11:00	09/28/21 17:20	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	284	mg/L	10.0	10.0	1		09/16/21 14:40		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	4.8	mg/L	1.0	0.60	1		09/15/21 08:11	16887-00-6	M1
Fluoride	0.15	mg/L	0.10	0.050	1		09/15/21 08:11	16984-48-8	M1
Sulfate	93.2	mg/L	1.0	0.50	1		09/15/21 08:11	14808-79-8	M1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4 ASSESSMENT
Pace Project No.: 92560768

Sample: EB-3		Lab ID: 92560768004		Collected: 09/10/21 15:00	Received: 09/10/21 17:40	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	0.17J	mg/L	1.0	0.12	1	09/23/21 10:02	09/23/21 18:39	7440-70-2		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00078	1	09/23/21 08:32	09/23/21 17:14	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0011	1	09/23/21 08:32	09/23/21 17:14	7440-38-2		
Barium	ND	mg/L	0.0050	0.00067	1	09/23/21 08:32	09/23/21 17:14	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	09/23/21 08:32	09/23/21 17:14	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	09/23/21 08:32	09/23/21 17:14	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	09/23/21 08:32	09/23/21 17:14	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	09/23/21 08:32	09/23/21 17:14	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	09/23/21 08:32	09/23/21 17:14	7440-48-4		
Lead	ND	mg/L	0.0010	0.00089	1	09/23/21 08:32	09/23/21 17:14	7439-92-1		
Lithium	ND	mg/L	0.030	0.00073	1	09/23/21 08:32	09/23/21 17:14	7439-93-2		
Molybdenum	ND	mg/L	0.010	0.00074	1	09/23/21 08:32	09/23/21 17:14	7439-98-7		
Selenium	ND	mg/L	0.0050	0.0014	1	09/23/21 08:32	09/23/21 17:14	7782-49-2		
Thallium	ND	mg/L	0.0010	0.00018	1	09/23/21 08:32	09/23/21 17:14	7440-28-0		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.000078	1	09/28/21 11:00	09/28/21 17:23	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		09/16/21 14:40			
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		09/15/21 08:57	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		09/15/21 08:57	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		09/15/21 08:57	14808-79-8		

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4 ASSESSMENT
Pace Project No.: 92560768

Sample: B-56		Lab ID: 92560768005		Collected: 09/13/21 13:11		Received: 09/14/21 09:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/14/21 11:05		
pH	4.69	Std. Units			1		09/14/21 11:05		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	15.2	mg/L	1.0	0.12	1	09/23/21 10:02	09/23/21 19:03	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/23/21 08:32	09/23/21 17:20	7440-36-0	
Arsenic	0.0031J	mg/L	0.0050	0.0011	1	09/23/21 08:32	09/23/21 17:20	7440-38-2	
Barium	0.026	mg/L	0.0050	0.00067	1	09/23/21 08:32	09/23/21 17:20	7440-39-3	
Beryllium	0.0012	mg/L	0.00050	0.000054	1	09/23/21 08:32	09/23/21 17:20	7440-41-7	
Boron	1.5	mg/L	0.040	0.0086	1	09/23/21 08:32	09/23/21 17:20	7440-42-8	
Cadmium	0.00028J	mg/L	0.00050	0.00011	1	09/23/21 08:32	09/23/21 17:20	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/23/21 08:32	09/23/21 17:20	7440-47-3	
Cobalt	0.047	mg/L	0.0050	0.00039	1	09/23/21 08:32	09/23/21 17:20	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/23/21 08:32	09/23/21 17:20	7439-92-1	
Lithium	0.0055J	mg/L	0.030	0.00073	1	09/23/21 08:32	09/23/21 17:20	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/23/21 08:32	09/23/21 17:20	7439-98-7	
Selenium	0.011	mg/L	0.0050	0.0014	1	09/23/21 08:32	09/23/21 17:20	7782-49-2	
Thallium	0.00024J	mg/L	0.0010	0.00018	1	09/23/21 08:32	09/23/21 17:20	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	0.000078	1	09/28/21 11:00	09/28/21 17:25	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	321	mg/L	10.0	10.0	1		09/23/21 13:17		1g,H1
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	7.1	mg/L	1.0	0.60	1		09/15/21 17:56	16887-00-6	
Fluoride	0.20	mg/L	0.10	0.050	1		09/15/21 17:56	16984-48-8	
Sulfate	189	mg/L	4.0	2.0	4		09/15/21 23:45	14808-79-8	

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4 ASSESSMENT
Pace Project No.: 92560768

Sample: B-88		Lab ID: 92560768006		Collected: 09/13/21 14:35		Received: 09/14/21 09:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/14/21 11:05		
pH	5.68	Std. Units			1		09/14/21 11:05		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	80.5	mg/L	1.0	0.12	1	09/23/21 10:02	09/23/21 19:08	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/23/21 08:32	09/23/21 17:26	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	09/23/21 08:32	09/23/21 17:26	7440-38-2	
Barium	0.016	mg/L	0.0050	0.00067	1	09/23/21 08:32	09/23/21 17:26	7440-39-3	
Beryllium	0.0010	mg/L	0.00050	0.000054	1	09/23/21 08:32	09/23/21 17:26	7440-41-7	
Boron	2.0	mg/L	0.040	0.0086	1	09/23/21 08:32	09/23/21 17:26	7440-42-8	
Cadmium	0.0013	mg/L	0.00050	0.00011	1	09/23/21 08:32	09/23/21 17:26	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/23/21 08:32	09/23/21 17:26	7440-47-3	
Cobalt	0.0018J	mg/L	0.0050	0.00039	1	09/23/21 08:32	09/23/21 17:26	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/23/21 08:32	09/23/21 17:26	7439-92-1	
Lithium	0.0017J	mg/L	0.030	0.00073	1	09/23/21 08:32	09/23/21 17:26	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/23/21 08:32	09/23/21 17:26	7439-98-7	
Selenium	0.0021J	mg/L	0.0050	0.0014	1	09/23/21 08:32	09/23/21 17:26	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/23/21 08:32	09/23/21 17:26	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.000078	1	09/28/21 11:00	09/28/21 17:28	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	572	mg/L	20.0	20.0	1		09/20/21 16:35		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	8.2	mg/L	1.0	0.60	1		09/15/21 18:12	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		09/15/21 18:12	16984-48-8	
Sulfate	321	mg/L	7.0	3.5	7		09/16/21 00:00	14808-79-8	

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4 ASSESSMENT
Pace Project No.: 92560768

Sample: B-101D		Lab ID: 92560768007		Collected: 09/13/21 15:52		Received: 09/14/21 09:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/14/21 11:05		
pH	6.07	Std. Units			1		09/14/21 11:05		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	53.6	mg/L	1.0	0.12	1	09/23/21 10:02	09/23/21 19:13	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0010J	mg/L	0.0030	0.00078	1	09/23/21 08:32	09/23/21 18:00	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	09/23/21 08:32	09/23/21 18:00	7440-38-2	
Barium	0.076	mg/L	0.0050	0.00067	1	09/23/21 08:32	09/24/21 09:09	7440-39-3	
Beryllium	0.000067J	mg/L	0.00050	0.000054	1	09/23/21 08:32	09/23/21 18:00	7440-41-7	
Boron	1.6	mg/L	0.040	0.0086	1	09/23/21 08:32	09/23/21 18:00	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/23/21 08:32	09/23/21 18:00	7440-43-9	
Chromium	0.0014J	mg/L	0.0050	0.0011	1	09/23/21 08:32	09/23/21 18:00	7440-47-3	
Cobalt	0.0030J	mg/L	0.0050	0.00039	1	09/23/21 08:32	09/23/21 18:00	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/23/21 08:32	09/23/21 18:00	7439-92-1	
Lithium	0.011J	mg/L	0.030	0.00073	1	09/23/21 08:32	09/23/21 18:00	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/23/21 08:32	09/23/21 18:00	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/23/21 08:32	09/23/21 18:00	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/23/21 08:32	09/23/21 18:00	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	0.000078	1	09/28/21 11:00	09/28/21 17:36	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	343	mg/L	10.0	10.0	1		09/20/21 16:35		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	8.7	mg/L	1.0	0.60	1		09/15/21 18:27	16887-00-6	
Fluoride	0.051J	mg/L	0.10	0.050	1		09/15/21 18:27	16984-48-8	
Sulfate	174	mg/L	4.0	2.0	4		09/16/21 00:16	14808-79-8	M1

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4 ASSESSMENT

Pace Project No.: 92560768

Sample: B-106D		Lab ID: 92560768008		Collected: 09/13/21 12:10		Received: 09/14/21 09:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/14/21 11:06		
pH	5.91	Std. Units			1		09/14/21 11:06		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	42.1	mg/L	1.0	0.12	1	09/23/21 10:02	09/23/21 19:18	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/23/21 08:32	09/23/21 18:06	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	09/23/21 08:32	09/23/21 18:06	7440-38-2	
Barium	0.020	mg/L	0.0050	0.00067	1	09/23/21 08:32	09/24/21 09:15	7440-39-3	
Beryllium	0.00013J	mg/L	0.00050	0.000054	1	09/23/21 08:32	09/23/21 18:06	7440-41-7	
Boron	1.3	mg/L	0.040	0.0086	1	09/23/21 08:32	09/23/21 18:06	7440-42-8	
Cadmium	0.00024J	mg/L	0.00050	0.00011	1	09/23/21 08:32	09/23/21 18:06	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/23/21 08:32	09/23/21 18:06	7440-47-3	
Cobalt	0.00056J	mg/L	0.0050	0.00039	1	09/23/21 08:32	09/23/21 18:06	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/23/21 08:32	09/23/21 18:06	7439-92-1	
Lithium	0.0056J	mg/L	0.030	0.00073	1	09/23/21 08:32	09/23/21 18:06	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/23/21 08:32	09/23/21 18:06	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/23/21 08:32	09/23/21 18:06	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/23/21 08:32	09/23/21 18:06	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.000078	1	09/28/21 11:00	09/28/21 17:38	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	296	mg/L	10.0	10.0	1		09/20/21 16:35		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	7.0	mg/L	1.0	0.60	1		09/15/21 19:47	16887-00-6	
Fluoride	0.052J	mg/L	0.10	0.050	1		09/15/21 19:47	16984-48-8	
Sulfate	147	mg/L	3.0	1.5	3		09/16/21 01:03	14808-79-8	

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4 ASSESSMENT
Pace Project No.: 92560768

Sample: B-107D		Lab ID: 92560768009		Collected: 09/13/21 17:35		Received: 09/14/21 09:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/14/21 11:06		
pH	5.88	Std. Units			1		09/14/21 11:06		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	83.6	mg/L	1.0	0.12	1	09/23/21 10:02	09/23/21 19:32	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/23/21 08:32	09/23/21 18:11	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	09/23/21 08:32	09/23/21 18:11	7440-38-2	
Barium	0.087	mg/L	0.0050	0.00067	1	09/23/21 08:32	09/24/21 09:21	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	09/23/21 08:32	09/23/21 18:11	7440-41-7	
Boron	10.7	mg/L	0.40	0.086	10	09/23/21 08:32	09/24/21 15:06	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/23/21 08:32	09/23/21 18:11	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/23/21 08:32	09/23/21 18:11	7440-47-3	
Cobalt	0.00083J	mg/L	0.0050	0.00039	1	09/23/21 08:32	09/23/21 18:11	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/23/21 08:32	09/23/21 18:11	7439-92-1	
Lithium	0.014J	mg/L	0.030	0.00073	1	09/23/21 08:32	09/23/21 18:11	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/23/21 08:32	09/23/21 18:11	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/23/21 08:32	09/23/21 18:11	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/23/21 08:32	09/23/21 18:11	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	0.000078	1	09/28/21 11:00	09/28/21 17:41	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	567	mg/L	10.0	10.0	1		09/20/21 16:35		
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		09/15/21 20:03	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		09/15/21 20:03	16984-48-8	
Sulfate	275	mg/L	6.0	3.0	6		09/16/21 01:19	14808-79-8	

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4 ASSESSMENT
Pace Project No.: 92560768

Sample: FB-3		Lab ID: 92560768010		Collected: 09/13/21 16:30	Received: 09/14/21 09:35	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	ND	mg/L	1.0	0.12	1	09/27/21 12:35	09/27/21 17:30	7440-70-2		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00078	1	09/23/21 08:32	09/23/21 18:17	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0011	1	09/23/21 08:32	09/23/21 18:17	7440-38-2		
Barium	ND	mg/L	0.0050	0.00067	1	09/23/21 08:32	09/24/21 09:27	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	09/23/21 08:32	09/23/21 18:17	7440-41-7		
Boron	0.016J	mg/L	0.040	0.0086	1	09/23/21 08:32	09/23/21 18:17	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	09/23/21 08:32	09/23/21 18:17	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	09/23/21 08:32	09/23/21 18:17	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	09/23/21 08:32	09/23/21 18:17	7440-48-4		
Lead	ND	mg/L	0.0010	0.00089	1	09/23/21 08:32	09/23/21 18:17	7439-92-1		
Lithium	ND	mg/L	0.030	0.00073	1	09/23/21 08:32	09/23/21 18:17	7439-93-2		
Molybdenum	ND	mg/L	0.010	0.00074	1	09/23/21 08:32	09/23/21 18:17	7439-98-7		
Selenium	ND	mg/L	0.0050	0.0014	1	09/23/21 08:32	09/23/21 18:17	7782-49-2		
Thallium	ND	mg/L	0.0010	0.00018	1	09/23/21 08:32	09/23/21 18:17	7440-28-0		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.000078	1	09/28/21 11:00	09/28/21 17:44	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		09/20/21 16:35			
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		09/15/21 20:19	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		09/15/21 20:19	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		09/15/21 20:19	14808-79-8		

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4 ASSESSMENT

Pace Project No.: 92560768

Sample: DUP-3		Lab ID: 92560768011		Collected: 09/13/21 00:00	Received: 09/14/21 09:35	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	39.8	mg/L	1.0	0.12	1	09/27/21 12:35	09/27/21 17:54	7440-70-2		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00078	1	09/23/21 08:32	09/23/21 18:23	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0011	1	09/23/21 08:32	09/23/21 18:23	7440-38-2		
Barium	0.021	mg/L	0.0050	0.00067	1	09/23/21 08:32	09/24/21 09:33	7440-39-3		
Beryllium	0.00014J	mg/L	0.00050	0.000054	1	09/23/21 08:32	09/23/21 18:23	7440-41-7		
Boron	1.4	mg/L	0.040	0.0086	1	09/23/21 08:32	09/23/21 18:23	7440-42-8		
Cadmium	0.00021J	mg/L	0.00050	0.00011	1	09/23/21 08:32	09/23/21 18:23	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	09/23/21 08:32	09/23/21 18:23	7440-47-3		
Cobalt	0.00056J	mg/L	0.0050	0.00039	1	09/23/21 08:32	09/23/21 18:23	7440-48-4		
Lead	ND	mg/L	0.0010	0.00089	1	09/23/21 08:32	09/23/21 18:23	7439-92-1		
Lithium	0.0057J	mg/L	0.030	0.00073	1	09/23/21 08:32	09/23/21 18:23	7439-93-2		
Molybdenum	ND	mg/L	0.010	0.00074	1	09/23/21 08:32	09/23/21 18:23	7439-98-7		
Selenium	ND	mg/L	0.0050	0.0014	1	09/23/21 08:32	09/23/21 18:23	7782-49-2		
Thallium	ND	mg/L	0.0010	0.00018	1	09/23/21 08:32	09/23/21 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	0.000078	1	09/28/21 11:00	09/28/21 17:46	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	297	mg/L	10.0	10.0	1		09/20/21 16:36			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	6.9	mg/L	1.0	0.60	1		09/15/21 20:35	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		09/15/21 20:35	16984-48-8		
Sulfate	149	mg/L	3.0	1.5	3		09/16/21 02:06	14808-79-8		

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4 ASSESSMENT

Pace Project No.: 92560768

Sample: B-63		Lab ID: 92560768012		Collected: 09/14/21 12:45		Received: 09/15/21 09:34		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/15/21 11:06		
pH	5.46	Std. Units			1		09/15/21 11:06		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	22.7	mg/L	1.0	0.12	1	09/27/21 12:35	09/27/21 17:59	7440-70-2	M1
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/23/21 08:32	09/23/21 18:29	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	09/23/21 08:32	09/23/21 18:29	7440-38-2	
Barium	0.026	mg/L	0.0050	0.00067	1	09/23/21 08:32	09/24/21 09:38	7440-39-3	
Beryllium	0.00042J	mg/L	0.00050	0.000054	1	09/23/21 08:32	09/23/21 18:29	7440-41-7	
Boron	0.35	mg/L	0.040	0.0086	1	09/23/21 08:32	09/23/21 18:29	7440-42-8	
Cadmium	0.00025J	mg/L	0.00050	0.00011	1	09/23/21 08:32	09/23/21 18:29	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/23/21 08:32	09/23/21 18:29	7440-47-3	
Cobalt	0.037	mg/L	0.0050	0.00039	1	09/23/21 08:32	09/23/21 18:29	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/23/21 08:32	09/23/21 18:29	7439-92-1	
Lithium	0.0064J	mg/L	0.030	0.00073	1	09/23/21 08:32	09/23/21 18:29	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/23/21 08:32	09/23/21 18:29	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/23/21 08:32	09/23/21 18:29	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/23/21 08:32	09/23/21 18:29	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	0.000078	1	09/28/21 11:00	09/28/21 17:49	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	170	mg/L	10.0	10.0	1		09/20/21 16:36		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	7.1	mg/L	1.0	0.60	1		09/17/21 01:51	16887-00-6	M1
Fluoride	0.16	mg/L	0.10	0.050	1		09/17/21 01:51	16984-48-8	M1
Sulfate	73.2	mg/L	1.0	0.50	1		09/17/21 01:51	14808-79-8	M1

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4 ASSESSMENT
Pace Project No.: 92560768

Sample: B-66		Lab ID: 92560768013		Collected: 09/14/21 11:02		Received: 09/15/21 09:34		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/15/21 11:06		
pH	5.54	Std. Units			1		09/15/21 11:06		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	60.9	mg/L	1.0	0.12	1	09/27/21 12:35	09/27/21 18:18	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/23/21 08:32	09/23/21 18:34	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	09/23/21 08:32	09/23/21 18:34	7440-38-2	
Barium	0.018	mg/L	0.0050	0.00067	1	09/23/21 08:32	09/24/21 09:44	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	09/23/21 08:32	09/23/21 18:34	7440-41-7	
Boron	2.1	mg/L	0.040	0.0086	1	09/23/21 08:32	09/23/21 18:34	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/23/21 08:32	09/23/21 18:34	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/23/21 08:32	09/23/21 18:34	7440-47-3	
Cobalt	0.012	mg/L	0.0050	0.00039	1	09/23/21 08:32	09/23/21 18:34	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/23/21 08:32	09/23/21 18:34	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	09/23/21 08:32	09/23/21 18:34	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/23/21 08:32	09/23/21 18:34	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/23/21 08:32	09/23/21 18:34	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/23/21 08:32	09/23/21 18:34	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.000078	1	09/28/21 11:00	09/28/21 17:51	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	490	mg/L	20.0	20.0	1		09/21/21 12:32		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	8.9	mg/L	1.0	0.60	1		09/17/21 02:38	16887-00-6	
Fluoride	0.22	mg/L	0.10	0.050	1		09/17/21 02:38	16984-48-8	
Sulfate	268	mg/L	6.0	3.0	6		09/17/21 21:14	14808-79-8	

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4 ASSESSMENT
Pace Project No.: 92560768

Sample: B-77		Lab ID: 92560768014		Collected: 09/14/21 10:45		Received: 09/15/21 09:34		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/15/21 11:07		
pH	6.42	Std. Units			1		09/15/21 11:07		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	17.0	mg/L	1.0	0.12	1	09/27/21 12:35	09/27/21 18:23	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/23/21 08:32	09/23/21 18:40	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	09/23/21 08:32	09/23/21 18:40	7440-38-2	
Barium	0.12	mg/L	0.0050	0.00067	1	09/23/21 08:32	09/24/21 09:50	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	09/23/21 08:32	09/23/21 18:40	7440-41-7	
Boron	0.29	mg/L	0.040	0.0086	1	09/23/21 08:32	09/23/21 18:40	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/23/21 08:32	09/23/21 18:40	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/23/21 08:32	09/23/21 18:40	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	09/23/21 08:32	09/23/21 18:40	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/23/21 08:32	09/23/21 18:40	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	09/23/21 08:32	09/23/21 18:40	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/23/21 08:32	09/23/21 18:40	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/23/21 08:32	09/23/21 18:40	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/23/21 08:32	09/23/21 18:40	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	0.000078	1	09/28/21 11:00	09/28/21 17:54	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	94.0	mg/L	10.0	10.0	1		09/21/21 12:32		
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	0.60	1		09/17/21 02:53	16887-00-6	
Fluoride	0.078J	mg/L	0.10	0.050	1		09/17/21 02:53	16984-48-8	
Sulfate	2.5	mg/L	1.0	0.50	1		09/17/21 02:53	14808-79-8	

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4 ASSESSMENT
Pace Project No.: 92560768

Sample: B-82		Lab ID: 92560768015		Collected: 09/14/21 12:55		Received: 09/15/21 09:34		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/15/21 11:07		
pH	5.15	Std. Units			1		09/15/21 11:07		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	33.4	mg/L	1.0	0.12	1	09/27/21 12:35	09/27/21 18:27	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/23/21 08:32	09/23/21 18:46	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	09/23/21 08:32	09/23/21 18:46	7440-38-2	
Barium	0.022	mg/L	0.0050	0.00067	1	09/23/21 08:32	09/24/21 09:56	7440-39-3	
Beryllium	0.0017	mg/L	0.00050	0.000054	1	09/23/21 08:32	09/23/21 18:46	7440-41-7	
Boron	0.78	mg/L	0.040	0.0086	1	09/23/21 08:32	09/23/21 18:46	7440-42-8	
Cadmium	0.00070	mg/L	0.00050	0.00011	1	09/23/21 08:32	09/23/21 18:46	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/23/21 08:32	09/23/21 18:46	7440-47-3	
Cobalt	0.0015J	mg/L	0.0050	0.00039	1	09/23/21 08:32	09/23/21 18:46	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/23/21 08:32	09/23/21 18:46	7439-92-1	
Lithium	0.0010J	mg/L	0.030	0.00073	1	09/23/21 08:32	09/23/21 18:46	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/23/21 08:32	09/23/21 18:46	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/23/21 08:32	09/23/21 18:46	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/23/21 08:32	09/23/21 18:46	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	0.000078	1	09/28/21 11:00	09/28/21 17:57	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	536	mg/L	20.0	20.0	1		09/21/21 12:33		
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		09/17/21 03:09	16887-00-6	
Fluoride	0.052J	mg/L	0.10	0.050	1		09/17/21 03:09	16984-48-8	
Sulfate	326	mg/L	7.0	3.5	7		09/17/21 21:30	14808-79-8	

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4 ASSESSMENT
Pace Project No.: 92560768

Sample: B-104D		Lab ID: 92560768016		Collected: 09/14/21 16:45		Received: 09/15/21 09:34		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/15/21 11:07		
pH	8.58	Std. Units			1		09/15/21 11:07		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	151	mg/L	1.0	0.12	1	09/27/21 12:35	09/27/21 18:32	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/23/21 08:32	09/23/21 18:52	7440-36-0	
Arsenic	0.0019J	mg/L	0.0050	0.0011	1	09/23/21 08:32	09/23/21 18:52	7440-38-2	
Barium	0.021	mg/L	0.0050	0.00067	1	09/23/21 08:32	09/24/21 10:02	7440-39-3	
Beryllium	0.0011	mg/L	0.00050	0.000054	1	09/23/21 08:32	09/23/21 18:52	7440-41-7	
Boron	0.23	mg/L	0.040	0.0086	1	09/23/21 08:32	09/23/21 18:52	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/23/21 08:32	09/23/21 18:52	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/23/21 08:32	09/23/21 18:52	7440-47-3	
Cobalt	0.10	mg/L	0.0050	0.00039	1	09/23/21 08:32	09/23/21 18:52	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/23/21 08:32	09/23/21 18:52	7439-92-1	
Lithium	0.036	mg/L	0.030	0.00073	1	09/23/21 08:32	09/23/21 18:52	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/23/21 08:32	09/23/21 18:52	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/23/21 08:32	09/23/21 18:52	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/23/21 08:32	09/23/21 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	0.000078	1	09/28/21 11:00	09/28/21 18:05	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	776	mg/L	20.0	20.0	1		09/21/21 12:33		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	7.9	mg/L	1.0	0.60	1		09/17/21 04:11	16887-00-6	
Fluoride	0.50	mg/L	0.10	0.050	1		09/17/21 04:11	16984-48-8	
Sulfate	456	mg/L	10.0	5.0	10		09/17/21 21:46	14808-79-8	

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4 ASSESSMENT
Pace Project No.: 92560768

Sample: B-108D		Lab ID: 92560768017		Collected: 09/14/21 11:25		Received: 09/15/21 09:34		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/15/21 11:07		
pH	5.81	Std. Units			1		09/15/21 11:07		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	83.3	mg/L	1.0	0.12	1	09/27/21 12:35	09/27/21 18:47	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/23/21 08:32	09/23/21 19:09	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	09/23/21 08:32	09/23/21 19:09	7440-38-2	
Barium	0.060	mg/L	0.0050	0.00067	1	09/23/21 08:32	09/24/21 10:27	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	09/23/21 08:32	09/23/21 19:09	7440-41-7	
Boron	6.8	mg/L	0.040	0.0086	1	09/23/21 08:32	09/23/21 19:09	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/23/21 08:32	09/23/21 19:09	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/23/21 08:32	09/23/21 19:09	7440-47-3	
Cobalt	0.0017J	mg/L	0.0050	0.00039	1	09/23/21 08:32	09/23/21 19:09	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/23/21 08:32	09/23/21 19:09	7439-92-1	
Lithium	0.015J	mg/L	0.030	0.00073	1	09/23/21 08:32	09/23/21 19:09	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/23/21 08:32	09/23/21 19:09	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/23/21 08:32	09/23/21 19:09	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/23/21 08:32	09/23/21 19:09	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	0.000078	1	09/28/21 11:00	09/28/21 18:07	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	576	mg/L	20.0	20.0	1		09/21/21 12:33		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	28.8	mg/L	1.0	0.60	1		09/17/21 04:26	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		09/17/21 04:26	16984-48-8	
Sulfate	299	mg/L	7.0	3.5	7		09/17/21 22:02	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4 ASSESSMENT
Pace Project No.: 92560768

Sample: B-111D		Lab ID: 92560768018		Collected: 09/14/21 15:37		Received: 09/15/21 09:34		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/15/21 11:07		
pH	7.29	Std. Units			1		09/15/21 11:07		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	98.4	mg/L	1.0	0.12	1	09/27/21 12:35	09/27/21 18:52	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/23/21 08:32	09/23/21 19:14	7440-36-0	
Arsenic	0.0029J	mg/L	0.0050	0.0011	1	09/23/21 08:32	09/23/21 19:14	7440-38-2	
Barium	0.043	mg/L	0.0050	0.00067	1	09/23/21 08:32	09/24/21 10:33	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	09/23/21 08:32	09/23/21 19:14	7440-41-7	
Boron	0.32	mg/L	0.040	0.0086	1	09/23/21 08:32	09/23/21 19:14	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/23/21 08:32	09/23/21 19:14	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/23/21 08:32	09/23/21 19:14	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	09/23/21 08:32	09/23/21 19:14	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/23/21 08:32	09/23/21 19:14	7439-92-1	
Lithium	0.029J	mg/L	0.030	0.00073	1	09/23/21 08:32	09/23/21 19:14	7439-93-2	
Molybdenum	0.013	mg/L	0.010	0.00074	1	09/23/21 08:32	09/23/21 19:14	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/23/21 08:32	09/23/21 19:14	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/23/21 08:32	09/23/21 19:14	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.000078	1	09/28/21 11:00	09/28/21 18:10	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	586	mg/L	20.0	20.0	1		09/21/21 12:33		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	27.3	mg/L	1.0	0.60	1		09/17/21 04:42	16887-00-6	
Fluoride	0.57	mg/L	0.10	0.050	1		09/17/21 04:42	16984-48-8	
Sulfate	243	mg/L	5.0	2.5	5		09/17/21 22:18	14808-79-8	

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4 ASSESSMENT
Pace Project No.: 92560768

Sample: B-115D		Lab ID: 92560768019		Collected: 09/14/21 15:00		Received: 09/15/21 09:34		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/15/21 11:08		
pH	5.38	Std. Units			1		09/15/21 11:08		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	63.0	mg/L	1.0	0.12	1	09/27/21 12:35	09/27/21 18:57	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/24/21 08:24	09/24/21 15:54	7440-36-0	
Arsenic	0.0018J	mg/L	0.0050	0.0011	1	09/24/21 08:24	09/24/21 15:54	7440-38-2	
Barium	0.016	mg/L	0.0050	0.00067	1	09/24/21 08:24	09/24/21 15:54	7440-39-3	
Beryllium	0.011	mg/L	0.00050	0.000054	1	09/24/21 08:24	09/24/21 15:54	7440-41-7	
Boron	0.61	mg/L	0.040	0.0086	1	09/24/21 08:24	09/24/21 15:54	7440-42-8	
Cadmium	0.00035J	mg/L	0.00050	0.00011	1	09/24/21 08:24	09/24/21 15:54	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/24/21 08:24	09/24/21 15:54	7440-47-3	
Cobalt	0.28	mg/L	0.0050	0.00039	1	09/24/21 08:24	09/24/21 15:54	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/24/21 08:24	09/24/21 15:54	7439-92-1	
Lithium	0.085	mg/L	0.030	0.00073	1	09/24/21 08:24	09/24/21 15:54	7439-93-2	M1
Molybdenum	ND	mg/L	0.010	0.00074	1	09/24/21 08:24	09/24/21 15:54	7439-98-7	
Selenium	0.0041J	mg/L	0.0050	0.0014	1	09/24/21 08:24	09/24/21 15:54	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/24/21 08:24	09/24/21 15:54	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	0.000078	1	09/28/21 11:00	09/28/21 18:12	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	499	mg/L	10.0	10.0	1		09/21/21 12:33		
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		09/17/21 04:57	16887-00-6	
Fluoride	1.0	mg/L	0.10	0.050	1		09/17/21 04:57	16984-48-8	
Sulfate	278	mg/L	6.0	3.0	6		09/17/21 22:35	14808-79-8	

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4 ASSESSMENT

Pace Project No.: 92560768

Sample: B-120D		Lab ID: 92560768020		Collected: 09/14/21 14:50		Received: 09/15/21 09:34		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/15/21 11:08		
pH	5.30	Std. Units			1		09/15/21 11:08		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	162	mg/L	1.0	0.12	1	09/27/21 12:35	09/27/21 19:02	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/24/21 08:24	09/24/21 16:17	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	09/24/21 08:24	09/24/21 16:17	7440-38-2	
Barium	0.031	mg/L	0.0050	0.00067	1	09/24/21 08:24	09/24/21 16:17	7440-39-3	
Beryllium	0.00087	mg/L	0.00050	0.000054	1	09/24/21 08:24	09/24/21 16:17	7440-41-7	
Boron	1.7	mg/L	0.040	0.0086	1	09/24/21 08:24	09/24/21 16:17	7440-42-8	
Cadmium	0.0011	mg/L	0.00050	0.00011	1	09/24/21 08:24	09/24/21 16:17	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/24/21 08:24	09/24/21 16:17	7440-47-3	
Cobalt	0.0055	mg/L	0.0050	0.00039	1	09/24/21 08:24	09/24/21 16:17	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/24/21 08:24	09/24/21 16:17	7439-92-1	
Lithium	0.077	mg/L	0.030	0.00073	1	09/24/21 08:24	09/24/21 16:17	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/24/21 08:24	09/24/21 16:17	7439-98-7	
Selenium	0.0022J	mg/L	0.0050	0.0014	1	09/24/21 08:24	09/24/21 16:17	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/24/21 08:24	09/24/21 16:17	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.000078	1	09/28/21 11:00	09/28/21 18:15	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	882	mg/L	20.0	20.0	1		09/21/21 12:33		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	6.1	mg/L	1.0	0.60	1		09/17/21 05:13	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		09/17/21 05:13	16984-48-8	
Sulfate	552	mg/L	12.0	6.0	12		09/17/21 22:51	14808-79-8	

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4 ASSESSMENT
Pace Project No.: 92560768

Sample: DUP-4		Lab ID: 92560768021		Collected: 09/14/21 00:00	Received: 09/15/21 09:34	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	59.5	mg/L	1.0	0.12	1	09/27/21 12:35	09/27/21 19:06	7440-70-2		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00078	1	09/24/21 08:24	09/24/21 16:23	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0011	1	09/24/21 08:24	09/24/21 16:23	7440-38-2		
Barium	0.019	mg/L	0.0050	0.00067	1	09/24/21 08:24	09/24/21 16:23	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	09/24/21 08:24	09/24/21 16:23	7440-41-7		
Boron	2.0	mg/L	0.040	0.0086	1	09/24/21 08:24	09/24/21 16:23	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	09/24/21 08:24	09/24/21 16:23	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	09/24/21 08:24	09/24/21 16:23	7440-47-3		
Cobalt	0.013	mg/L	0.0050	0.00039	1	09/24/21 08:24	09/24/21 16:23	7440-48-4		
Lead	ND	mg/L	0.0010	0.00089	1	09/24/21 08:24	09/24/21 16:23	7439-92-1		
Lithium	ND	mg/L	0.030	0.00073	1	09/24/21 08:24	09/24/21 16:23	7439-93-2		
Molybdenum	ND	mg/L	0.010	0.00074	1	09/24/21 08:24	09/24/21 16:23	7439-98-7		
Selenium	ND	mg/L	0.0050	0.0014	1	09/24/21 08:24	09/24/21 16:23	7782-49-2		
Thallium	ND	mg/L	0.0010	0.00018	1	09/24/21 08:24	09/24/21 16:23	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	0.000078	1	09/28/21 11:00	09/28/21 18:18	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	510	mg/L	20.0	20.0	1		09/21/21 12:34			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	8.8	mg/L	1.0	0.60	1		09/17/21 05:28	16887-00-6		
Fluoride	0.19	mg/L	0.10	0.050	1		09/17/21 05:28	16984-48-8		
Sulfate	260	mg/L	6.0	3.0	6		09/17/21 23:07	14808-79-8		

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4 ASSESSMENT
Pace Project No.: 92560768

Sample: EB-4		Lab ID: 92560768022		Collected: 09/14/21 16:35		Received: 09/15/21 09:34		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	ND	mg/L	1.0	0.12	1	09/27/21 12:35	09/27/21 19:11	7440-70-2		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00078	1	09/24/21 08:24	09/24/21 16:28	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0011	1	09/24/21 08:24	09/24/21 16:28	7440-38-2		
Barium	ND	mg/L	0.0050	0.00067	1	09/24/21 08:24	09/24/21 16:28	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	09/24/21 08:24	09/24/21 16:28	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	09/24/21 08:24	09/24/21 16:28	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	09/24/21 08:24	09/24/21 16:28	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	09/24/21 08:24	09/24/21 16:28	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	09/24/21 08:24	09/24/21 16:28	7440-48-4		
Lead	ND	mg/L	0.0010	0.00089	1	09/24/21 08:24	09/24/21 16:28	7439-92-1		
Lithium	ND	mg/L	0.030	0.00073	1	09/24/21 08:24	09/24/21 16:28	7439-93-2		
Molybdenum	ND	mg/L	0.010	0.00074	1	09/24/21 08:24	09/24/21 16:28	7439-98-7		
Selenium	ND	mg/L	0.0050	0.0014	1	09/24/21 08:24	09/24/21 16:28	7782-49-2		
Thallium	ND	mg/L	0.0010	0.00018	1	09/24/21 08:24	09/24/21 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	0.000078	1	09/28/21 11:00	09/28/21 18:26	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		09/21/21 12:34			
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		09/17/21 06:14	16887-00-6	M1	
Fluoride	ND	mg/L	0.10	0.050	1		09/17/21 06:14	16984-48-8	M1	
Sulfate	ND	mg/L	1.0	0.50	1		09/17/21 06:14	14808-79-8	M1	

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4 ASSESSMENT
Pace Project No.: 92560768

Sample: B-92		Lab ID: 92560768023		Collected: 09/15/21 11:38		Received: 09/16/21 09:06		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/16/21 12:02		
pH	4.55	Std. Units			1		09/16/21 12:02		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	110	mg/L	1.0	0.12	1	09/27/21 12:35	09/27/21 19:16	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/24/21 08:24	09/24/21 18:10	7440-36-0	
Arsenic	0.0012J	mg/L	0.0050	0.0011	1	09/24/21 08:24	09/24/21 18:10	7440-38-2	
Barium	0.015	mg/L	0.0050	0.00067	1	09/24/21 08:24	09/24/21 18:10	7440-39-3	
Beryllium	0.014	mg/L	0.00050	0.000054	1	09/24/21 08:24	09/24/21 18:10	7440-41-7	
Boron	2.3	mg/L	0.040	0.0086	1	09/24/21 08:24	09/24/21 18:10	7440-42-8	
Cadmium	0.00096	mg/L	0.00050	0.00011	1	09/24/21 08:24	09/24/21 18:10	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/24/21 08:24	09/24/21 18:10	7440-47-3	
Cobalt	0.063	mg/L	0.0050	0.00039	1	09/24/21 08:24	09/24/21 18:10	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/24/21 08:24	09/24/21 18:10	7439-92-1	
Lithium	0.012J	mg/L	0.030	0.00073	1	09/24/21 08:24	09/24/21 18:10	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/24/21 08:24	09/24/21 18:10	7439-98-7	
Selenium	0.0067	mg/L	0.0050	0.0014	1	09/24/21 08:24	09/24/21 18:10	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/24/21 08:24	09/24/21 18:10	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	0.00017J	mg/L	0.00020	0.000078	1	09/28/21 11:00	09/28/21 18:43	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	612	mg/L	20.0	20.0	1		09/21/21 19:08		
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		09/18/21 03:21	16887-00-6	
Fluoride	0.18	mg/L	0.10	0.050	1		09/18/21 03:21	16984-48-8	
Sulfate	384	mg/L	9.0	4.5	9		09/18/21 13:21	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4 ASSESSMENT
Pace Project No.: 92560768

Sample: B-93		Lab ID: 92560768024		Collected: 09/15/21 11:31		Received: 09/16/21 09:06		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/16/21 12:02		
pH	4.60	Std. Units			1		09/16/21 12:02		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	129	mg/L	1.0	0.12	1	09/27/21 12:35	09/27/21 19:21	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/24/21 08:24	09/24/21 18:16	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	09/24/21 08:24	09/24/21 18:16	7440-38-2	
Barium	0.016	mg/L	0.0050	0.00067	1	09/24/21 08:24	09/24/21 18:16	7440-39-3	
Beryllium	0.015	mg/L	0.00050	0.000054	1	09/24/21 08:24	09/24/21 18:16	7440-41-7	
Boron	3.1	mg/L	0.040	0.0086	1	09/24/21 08:24	09/24/21 18:16	7440-42-8	
Cadmium	0.00088	mg/L	0.00050	0.00011	1	09/24/21 08:24	09/24/21 18:16	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/24/21 08:24	09/24/21 18:16	7440-47-3	
Cobalt	0.062	mg/L	0.0050	0.00039	1	09/24/21 08:24	09/24/21 18:16	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/24/21 08:24	09/24/21 18:16	7439-92-1	
Lithium	0.011J	mg/L	0.030	0.00073	1	09/24/21 08:24	09/24/21 18:16	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/24/21 08:24	09/24/21 18:16	7439-98-7	
Selenium	0.0076	mg/L	0.0050	0.0014	1	09/24/21 08:24	09/24/21 18:16	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/24/21 08:24	09/24/21 18:16	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	0.000098J	mg/L	0.00020	0.000078	1	09/28/21 11:00	09/28/21 18:46	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	812	mg/L	20.0	20.0	1		09/21/21 19:09		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	13.2	mg/L	1.0	0.60	1		09/18/21 03:37	16887-00-6	
Fluoride	0.34	mg/L	0.10	0.050	1		09/18/21 03:37	16984-48-8	
Sulfate	478	mg/L	11.0	5.5	11		09/18/21 13:37	14808-79-8	

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4 ASSESSMENT

Pace Project No.: 92560768

Sample: B-97		Lab ID: 92560768025		Collected: 09/15/21 12:50		Received: 09/16/21 09:06		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/16/21 12:02		
pH	5.49	Std. Units			1		09/16/21 12:02		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	178	mg/L	1.0	0.12	1	09/27/21 12:35	09/27/21 19:26	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/24/21 08:24	09/24/21 18:22	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	09/24/21 08:24	09/24/21 18:22	7440-38-2	
Barium	0.020	mg/L	0.0050	0.00067	1	09/24/21 08:24	09/24/21 18:22	7440-39-3	
Beryllium	0.0016	mg/L	0.00050	0.000054	1	09/24/21 08:24	09/24/21 18:22	7440-41-7	
Boron	3.3	mg/L	0.040	0.0086	1	09/24/21 08:24	09/24/21 18:22	7440-42-8	
Cadmium	0.00056	mg/L	0.00050	0.00011	1	09/24/21 08:24	09/24/21 18:22	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/24/21 08:24	09/24/21 18:22	7440-47-3	
Cobalt	0.0030J	mg/L	0.0050	0.00039	1	09/24/21 08:24	09/24/21 18:22	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/24/21 08:24	09/24/21 18:22	7439-92-1	
Lithium	0.0042J	mg/L	0.030	0.00073	1	09/24/21 08:24	09/24/21 18:22	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/24/21 08:24	09/24/21 18:22	7439-98-7	
Selenium	0.0024J	mg/L	0.0050	0.0014	1	09/24/21 08:24	09/24/21 18:22	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/24/21 08:24	09/24/21 18:22	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.000078	1	09/28/21 11:00	09/28/21 18:48	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	892	mg/L	20.0	20.0	1		09/21/21 19:09		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	18.8	mg/L	1.0	0.60	1		09/18/21 03:53	16887-00-6	
Fluoride	0.085J	mg/L	0.10	0.050	1		09/18/21 03:53	16984-48-8	
Sulfate	551	mg/L	12.0	6.0	12		09/18/21 13:53	14808-79-8	

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4 ASSESSMENT
Pace Project No.: 92560768

Sample: B-98		Lab ID: 92560768026		Collected: 09/15/21 13:10		Received: 09/16/21 09:06		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/16/21 12:02		
pH	5.40	Std. Units			1		09/16/21 12:02		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	105	mg/L	1.0	0.12	1	09/27/21 12:35	09/27/21 19:31	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/24/21 08:24	09/24/21 18:27	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	09/24/21 08:24	09/24/21 18:27	7440-38-2	
Barium	0.082	mg/L	0.0050	0.00067	1	09/24/21 08:24	09/24/21 18:27	7440-39-3	
Beryllium	0.00087	mg/L	0.00050	0.000054	1	09/24/21 08:24	09/24/21 18:27	7440-41-7	
Boron	2.6	mg/L	0.040	0.0086	1	09/24/21 08:24	09/24/21 18:27	7440-42-8	
Cadmium	0.00030J	mg/L	0.00050	0.00011	1	09/24/21 08:24	09/24/21 18:27	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/24/21 08:24	09/24/21 18:27	7440-47-3	
Cobalt	0.0048J	mg/L	0.0050	0.00039	1	09/24/21 08:24	09/24/21 18:27	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/24/21 08:24	09/24/21 18:27	7439-92-1	
Lithium	0.0012J	mg/L	0.030	0.00073	1	09/24/21 08:24	09/24/21 18:27	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/24/21 08:24	09/24/21 18:27	7439-98-7	
Selenium	0.0033J	mg/L	0.0050	0.0014	1	09/24/21 08:24	09/24/21 18:27	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/24/21 08:24	09/24/21 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	0.000078	1	09/28/21 11:00	09/28/21 18:51	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	524	mg/L	20.0	20.0	1		09/21/21 19:09		
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		09/18/21 04:09	16887-00-6	M1
Fluoride	0.098J	mg/L	0.10	0.050	1		09/18/21 04:09	16984-48-8	
Sulfate	325	mg/L	7.0	3.5	7		09/18/21 14:40	14808-79-8	M1

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4 ASSESSMENT
Pace Project No.: 92560768

Sample: DUP-5		Lab ID: 92560768027		Collected: 09/15/21 00:00	Received: 09/16/21 09:06	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	137	mg/L	1.0	0.12	1	09/27/21 12:35	09/27/21 19:45	7440-70-2		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00078	1	09/24/21 08:24	09/24/21 18:33	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0011	1	09/24/21 08:24	09/24/21 18:33	7440-38-2		
Barium	0.015	mg/L	0.0050	0.00067	1	09/24/21 08:24	09/24/21 18:33	7440-39-3		
Beryllium	0.015	mg/L	0.00050	0.000054	1	09/24/21 08:24	09/24/21 18:33	7440-41-7		
Boron	3.1	mg/L	0.040	0.0086	1	09/24/21 08:24	09/24/21 18:33	7440-42-8		
Cadmium	0.00086	mg/L	0.00050	0.00011	1	09/24/21 08:24	09/24/21 18:33	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	09/24/21 08:24	09/24/21 18:33	7440-47-3		
Cobalt	0.058	mg/L	0.0050	0.00039	1	09/24/21 08:24	09/24/21 18:33	7440-48-4		
Lead	ND	mg/L	0.0010	0.00089	1	09/24/21 08:24	09/24/21 18:33	7439-92-1		
Lithium	0.011J	mg/L	0.030	0.00073	1	09/24/21 08:24	09/24/21 18:33	7439-93-2		
Molybdenum	ND	mg/L	0.010	0.00074	1	09/24/21 08:24	09/24/21 18:33	7439-98-7		
Selenium	0.0066	mg/L	0.0050	0.0014	1	09/24/21 08:24	09/24/21 18:33	7782-49-2		
Thallium	ND	mg/L	0.0010	0.00018	1	09/24/21 08:24	09/24/21 18:33	7440-28-0		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	0.00011J	mg/L	0.00020	0.000078	1	09/28/21 11:00	09/28/21 18:54	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	742	mg/L	20.0	20.0	1		09/21/21 19:09			
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		09/18/21 05:28	16887-00-6		
Fluoride	0.32	mg/L	0.10	0.050	1		09/18/21 05:28	16984-48-8		
Sulfate	469	mg/L	11.0	5.5	11		09/18/21 15:27	14808-79-8		

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4 ASSESSMENT
Pace Project No.: 92560768

Sample: FB-5		Lab ID: 92560768028		Collected: 09/15/21 13:25		Received: 09/16/21 09:06		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	ND	mg/L	1.0	0.12	1	09/27/21 12:35	09/27/21 19:55	7440-70-2		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00078	1	09/24/21 08:24	09/24/21 18:39	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0011	1	09/24/21 08:24	09/24/21 18:39	7440-38-2		
Barium	ND	mg/L	0.0050	0.00067	1	09/24/21 08:24	09/24/21 18:39	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	09/24/21 08:24	09/24/21 18:39	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	09/24/21 08:24	09/24/21 18:39	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	09/24/21 08:24	09/24/21 18:39	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	09/24/21 08:24	09/24/21 18:39	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	09/24/21 08:24	09/24/21 18:39	7440-48-4		
Lead	ND	mg/L	0.0010	0.00089	1	09/24/21 08:24	09/24/21 18:39	7439-92-1		
Lithium	ND	mg/L	0.030	0.00073	1	09/24/21 08:24	09/24/21 18:39	7439-93-2		
Molybdenum	ND	mg/L	0.010	0.00074	1	09/24/21 08:24	09/24/21 18:39	7439-98-7		
Selenium	ND	mg/L	0.0050	0.0014	1	09/24/21 08:24	09/24/21 18:39	7782-49-2		
Thallium	ND	mg/L	0.0010	0.00018	1	09/24/21 08:24	09/24/21 18:39	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	0.000078	1	09/28/21 11:00	09/28/21 18:56	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		09/21/21 19:09			
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		09/18/21 05:44	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		09/18/21 05:44	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		09/18/21 05:44	14808-79-8		

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4 ASSESSMENT
Pace Project No.: 92560768

Sample: EB-5		Lab ID: 92560768029		Collected: 09/15/21 13:35	Received: 09/16/21 09:06	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	ND	mg/L	1.0	0.12	1	09/27/21 12:35	09/27/21 20:00	7440-70-2		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00078	1	09/24/21 08:24	09/24/21 18:45	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0011	1	09/24/21 08:24	09/24/21 18:45	7440-38-2		
Barium	ND	mg/L	0.0050	0.00067	1	09/24/21 08:24	09/24/21 18:45	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	09/24/21 08:24	09/24/21 18:45	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	09/24/21 08:24	09/24/21 18:45	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	09/24/21 08:24	09/24/21 18:45	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	09/24/21 08:24	09/24/21 18:45	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	09/24/21 08:24	09/24/21 18:45	7440-48-4		
Lead	ND	mg/L	0.0010	0.00089	1	09/24/21 08:24	09/24/21 18:45	7439-92-1		
Lithium	ND	mg/L	0.030	0.00073	1	09/24/21 08:24	09/24/21 18:45	7439-93-2		
Molybdenum	ND	mg/L	0.010	0.00074	1	09/24/21 08:24	09/24/21 18:45	7439-98-7		
Selenium	ND	mg/L	0.0050	0.0014	1	09/24/21 08:24	09/24/21 18:45	7782-49-2		
Thallium	ND	mg/L	0.0010	0.00018	1	09/24/21 08:24	09/24/21 18:45	7440-28-0		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.000078	1	09/28/21 11:00	09/28/21 18:59	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		09/21/21 19:10			
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		09/18/21 06:00	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		09/18/21 06:00	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		09/18/21 06:00	14808-79-8		

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4 ASSESSMENT
Pace Project No.: 92560768

Sample: B-83		Lab ID: 92560768030		Collected: 09/16/21 11:37		Received: 09/17/21 17:06		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/20/21 14:49		
pH	5.58	Std. Units			1		09/20/21 14:49		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	39.4	mg/L	1.0	0.12	1	09/29/21 10:10	09/29/21 19:10	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/24/21 08:24	09/24/21 19:02	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	09/24/21 08:24	09/24/21 19:02	7440-38-2	
Barium	0.030	mg/L	0.0050	0.00067	1	09/24/21 08:24	09/24/21 19:02	7440-39-3	
Beryllium	0.00028J	mg/L	0.00050	0.000054	1	09/24/21 08:24	09/24/21 19:02	7440-41-7	
Boron	0.30	mg/L	0.040	0.0086	1	09/24/21 08:24	09/24/21 19:02	7440-42-8	
Cadmium	0.00030J	mg/L	0.00050	0.00011	1	09/24/21 08:24	09/24/21 19:02	7440-43-9	
Chromium	0.0030J	mg/L	0.0050	0.0011	1	09/24/21 08:24	09/24/21 19:02	7440-47-3	
Cobalt	0.011	mg/L	0.0050	0.00039	1	09/24/21 08:24	09/24/21 19:02	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/24/21 08:24	09/24/21 19:02	7439-92-1	
Lithium	0.0021J	mg/L	0.030	0.00073	1	09/24/21 08:24	09/24/21 19:02	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/24/21 08:24	09/24/21 19:02	7439-98-7	
Selenium	0.025	mg/L	0.0050	0.0014	1	09/24/21 08:24	09/24/21 19:02	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/24/21 08:24	09/24/21 19:02	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	0.000078	1	09/28/21 11:00	09/28/21 19:07	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	223	mg/L	10.0	10.0	1		09/23/21 20:02		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	2.6	mg/L	1.0	0.60	1		09/21/21 18:03	16887-00-6	
Fluoride	0.066J	mg/L	0.10	0.050	1		09/21/21 18:03	16984-48-8	
Sulfate	106	mg/L	2.0	1.0	2		09/22/21 04:57	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MCDONOUGH AP-2/3/4 ASSESSMENT
Pace Project No.: 92560768

Sample: FB-6		Lab ID: 92560768031		Collected: 09/16/21 11:55		Received: 09/17/21 17:06		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	ND	mg/L	1.0	0.12	1	09/29/21 10:10	09/29/21 19:19	7440-70-2		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00078	1	09/24/21 08:24	09/24/21 19:07	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0011	1	09/24/21 08:24	09/24/21 19:07	7440-38-2		
Barium	ND	mg/L	0.0050	0.00067	1	09/24/21 08:24	09/24/21 19:07	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	09/24/21 08:24	09/24/21 19:07	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	09/24/21 08:24	09/24/21 19:07	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	09/24/21 08:24	09/24/21 19:07	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	09/24/21 08:24	09/24/21 19:07	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	09/24/21 08:24	09/24/21 19:07	7440-48-4		
Lead	ND	mg/L	0.0010	0.00089	1	09/24/21 08:24	09/24/21 19:07	7439-92-1		
Lithium	ND	mg/L	0.030	0.00073	1	09/24/21 08:24	09/24/21 19:07	7439-93-2		
Molybdenum	ND	mg/L	0.010	0.00074	1	09/24/21 08:24	09/24/21 19:07	7439-98-7		
Selenium	ND	mg/L	0.0050	0.0014	1	09/24/21 08:24	09/24/21 19:07	7782-49-2		
Thallium	ND	mg/L	0.0010	0.00018	1	09/24/21 08:24	09/24/21 19:07	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	0.000078	1	09/28/21 11:00	09/28/21 19:09	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		09/23/21 20:02			
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		09/21/21 18:18	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		09/21/21 18:18	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		09/21/21 18:18	14808-79-8		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MCDONOUGH AP-2/3/4 ASSESSMENT

Pace Project No.: 92560768

QC Batch:	648974	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3010A	Analysis Description:	6010D ATL
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92560768002, 92560768003, 92560768004, 92560768005, 92560768006, 92560768007, 92560768008, 92560768009

METHOD BLANK: 3403796 Matrix: Water

Associated Lab Samples: 92560768002, 92560768003, 92560768004, 92560768005, 92560768006, 92560768007, 92560768008, 92560768009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	09/23/21 17:54	

LABORATORY CONTROL SAMPLE: 3403797

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3403798 3403799

Parameter	Units	92560768003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	mg/L	42.1	1	1	41.6	40.7	-42	-139	75-125	2	20	M1

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QUALITY CONTROL DATA

Project: MCDONOUGH AP-2/3/4 ASSESSMENT

Pace Project No.: 92560768

QC Batch:	649478	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3010A	Analysis Description:	6010D ATL
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92560768010, 92560768011, 92560768012, 92560768013, 92560768014, 92560768015, 92560768016, 92560768017, 92560768018, 92560768019, 92560768020, 92560768021, 92560768022, 92560768023, 92560768024, 92560768025, 92560768026, 92560768027, 92560768028, 92560768029

METHOD BLANK: 3406360 Matrix: Water

Associated Lab Samples: 92560768010, 92560768011, 92560768012, 92560768013, 92560768014, 92560768015, 92560768016, 92560768017, 92560768018, 92560768019, 92560768020, 92560768021, 92560768022, 92560768023, 92560768024, 92560768025, 92560768026, 92560768027, 92560768028, 92560768029

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	09/27/21 17:20	

LABORATORY CONTROL SAMPLE: 3406361

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.1	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3406362 3406363

Parameter	Units	92560768012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	mg/L	22.7	1	1	23.3	22.2	61	-46	75-125	5	20	M1

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QUALITY CONTROL DATA

Project: MCDONOUGH AP-2/3/4 ASSESSMENT

Pace Project No.: 92560768

QC Batch: 649648

Analysis Method: EPA 6010D

QC Batch Method: EPA 3010A

Analysis Description: 6010D ATL

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92560768030, 92560768031

METHOD BLANK: 3407003

Matrix: Water

Associated Lab Samples: 92560768030, 92560768031

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	09/29/21 16:41	

LABORATORY CONTROL SAMPLE: 3407004

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3407005 3407006

Parameter	Units	3407005		3407006		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Calcium	mg/L	45.1	1	46.7	46.4	160	129	75-125	1	20	M1

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QUALITY CONTROL DATA

Project: MCDONOUGH AP-2/3/4 ASSESSMENT
Pace Project No.: 92560768

QC Batch: 648942 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92560768002, 92560768003, 92560768004, 92560768005, 92560768006, 92560768007, 92560768008, 92560768009, 92560768010, 92560768011, 92560768012, 92560768013, 92560768014, 92560768015, 92560768016, 92560768017, 92560768018

METHOD BLANK: 3403716 Matrix: Water
Associated Lab Samples: 92560768002, 92560768003, 92560768004, 92560768005, 92560768006, 92560768007, 92560768008, 92560768009, 92560768010, 92560768011, 92560768012, 92560768013, 92560768014, 92560768015, 92560768016, 92560768017, 92560768018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	09/23/21 16:34	
Arsenic	mg/L	ND	0.0050	0.0011	09/23/21 16:34	
Barium	mg/L	ND	0.0050	0.00067	09/23/21 16:34	
Beryllium	mg/L	ND	0.00050	0.000054	09/23/21 16:34	
Boron	mg/L	ND	0.040	0.0086	09/23/21 16:34	
Cadmium	mg/L	ND	0.00050	0.00011	09/23/21 16:34	
Chromium	mg/L	ND	0.0050	0.0011	09/23/21 16:34	
Cobalt	mg/L	ND	0.0050	0.00039	09/23/21 16:34	
Lead	mg/L	ND	0.0010	0.00089	09/23/21 16:34	
Lithium	mg/L	ND	0.030	0.00073	09/23/21 16:34	
Molybdenum	mg/L	ND	0.010	0.00074	09/23/21 16:34	
Selenium	mg/L	ND	0.0050	0.0014	09/23/21 16:34	
Thallium	mg/L	ND	0.0010	0.00018	09/23/21 16:34	

LABORATORY CONTROL SAMPLE: 3403717

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	110	80-120	
Arsenic	mg/L	0.1	0.10	102	80-120	
Barium	mg/L	0.1	0.10	104	80-120	
Beryllium	mg/L	0.1	0.095	95	80-120	
Boron	mg/L	1	0.95	95	80-120	
Cadmium	mg/L	0.1	0.099	99	80-120	
Chromium	mg/L	0.1	0.097	97	80-120	
Cobalt	mg/L	0.1	0.094	94	80-120	
Lead	mg/L	0.1	0.094	94	80-120	
Lithium	mg/L	0.1	0.098	98	80-120	
Molybdenum	mg/L	0.1	0.10	101	80-120	
Selenium	mg/L	0.1	0.10	101	80-120	
Thallium	mg/L	0.1	0.093	93	80-120	

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QUALITY CONTROL DATA

Project: MCDONOUGH AP-2/3/4 ASSESSMENT

Pace Project No.: 92560768

Parameter	Units	3403718		3403719		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92560768002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Antimony	mg/L	ND	0.1	0.1	0.11	0.10	107	101	75-125	5	20		
Arsenic	mg/L	ND	0.1	0.1	0.10	0.10	103	101	75-125	3	20		
Barium	mg/L	0.020	0.1	0.1	0.13	0.12	107	100	75-125	5	20		
Beryllium	mg/L	0.0011	0.1	0.1	0.092	0.091	91	90	75-125	1	20		
Boron	mg/L	2.5	1	1	3.6	3.3	109	87	75-125	6	20		
Cadmium	mg/L	0.00083	0.1	0.1	0.10	0.10	102	101	75-125	1	20		
Chromium	mg/L	ND	0.1	0.1	0.096	0.091	95	91	75-125	5	20		
Cobalt	mg/L	0.013	0.1	0.1	0.11	0.11	97	92	75-125	4	20		
Lead	mg/L	ND	0.1	0.1	0.092	0.088	92	88	75-125	4	20		
Lithium	mg/L	0.012J	0.1	0.1	0.11	0.10	93	91	75-125	3	20		
Molybdenum	mg/L	ND	0.1	0.1	0.10	0.099	101	99	75-125	2	20		
Selenium	mg/L	ND	0.1	0.1	0.11	0.10	106	100	75-125	6	20		
Thallium	mg/L	ND	0.1	0.1	0.093	0.089	92	88	75-125	4	20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MCDONOUGH AP-2/3/4 ASSESSMENT
Pace Project No.: 92560768

QC Batch: 649183 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92560768019, 92560768020, 92560768021, 92560768022, 92560768023, 92560768024, 92560768025, 92560768026, 92560768027, 92560768028, 92560768029, 92560768030, 92560768031

METHOD BLANK: 3405029 Matrix: Water
Associated Lab Samples: 92560768019, 92560768020, 92560768021, 92560768022, 92560768023, 92560768024, 92560768025, 92560768026, 92560768027, 92560768028, 92560768029, 92560768030, 92560768031

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	09/24/21 15:43	
Arsenic	mg/L	ND	0.0050	0.0011	09/24/21 15:43	
Barium	mg/L	ND	0.0050	0.00067	09/24/21 15:43	
Beryllium	mg/L	ND	0.00050	0.000054	09/24/21 15:43	
Boron	mg/L	ND	0.040	0.0086	09/24/21 15:43	
Cadmium	mg/L	ND	0.00050	0.00011	09/24/21 15:43	
Chromium	mg/L	ND	0.0050	0.0011	09/24/21 15:43	
Cobalt	mg/L	ND	0.0050	0.00039	09/24/21 15:43	
Lead	mg/L	ND	0.0010	0.00089	09/24/21 15:43	
Lithium	mg/L	ND	0.030	0.00073	09/24/21 15:43	
Molybdenum	mg/L	ND	0.010	0.00074	09/24/21 15:43	
Selenium	mg/L	ND	0.0050	0.0014	09/24/21 15:43	
Thallium	mg/L	ND	0.0010	0.00018	09/24/21 15:43	

LABORATORY CONTROL SAMPLE: 3405030

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	102	80-120	
Arsenic	mg/L	0.1	0.095	95	80-120	
Barium	mg/L	0.1	0.097	97	80-120	
Beryllium	mg/L	0.1	0.10	102	80-120	
Boron	mg/L	1	1.0	103	80-120	
Cadmium	mg/L	0.1	0.10	103	80-120	
Chromium	mg/L	0.1	0.10	102	80-120	
Cobalt	mg/L	0.1	0.10	103	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	0.099	99	80-120	
Selenium	mg/L	0.1	0.094	94	80-120	
Thallium	mg/L	0.1	0.098	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3405031 3405032

Parameter	Units	92560768019 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.	MS Result	MSD Result						
Antimony	mg/L	ND	0.1	0.1	0.10	0.10	103	102	75-125	1	20	

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QUALITY CONTROL DATA

Project: MCDONOUGH AP-2/3/4 ASSESSMENT

Pace Project No.: 92560768

Parameter	Units	3405031		3405032		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92560768019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Arsenic	mg/L	0.0018J	0.1	0.1	0.098	0.098	96	96	75-125	0	20		
Barium	mg/L	0.016	0.1	0.1	0.12	0.12	105	104	75-125	1	20		
Beryllium	mg/L	0.011	0.1	0.1	0.094	0.092	82	80	75-125	2	20		
Boron	mg/L	0.61	1	1	1.4	1.4	83	77	75-125	4	20		
Cadmium	mg/L	0.00035J	0.1	0.1	0.10	0.10	100	101	75-125	1	20		
Chromium	mg/L	ND	0.1	0.1	0.098	0.097	98	97	75-125	1	20		
Cobalt	mg/L	0.28	0.1	0.1	0.37	0.36	91	82	75-125	2	20		
Lead	mg/L	ND	0.1	0.1	0.092	0.094	92	94	75-125	3	20		
Lithium	mg/L	0.085	0.1	0.1	0.16	0.16	78	72	75-125	4	20	M1	
Molybdenum	mg/L	ND	0.1	0.1	0.10	0.10	100	101	75-125	1	20		
Selenium	mg/L	0.0041J	0.1	0.1	0.10	0.099	96	95	75-125	1	20		
Thallium	mg/L	ND	0.1	0.1	0.094	0.095	94	95	75-125	1	20		

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QUALITY CONTROL DATA

Project: MCDONOUGH AP-2/3/4 ASSESSMENT

Pace Project No.: 92560768

QC Batch:	649663	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92560768002, 92560768003, 92560768004, 92560768005, 92560768006, 92560768007, 92560768008, 92560768009, 92560768010, 92560768011, 92560768012, 92560768013, 92560768014, 92560768015, 92560768016, 92560768017, 92560768018, 92560768019, 92560768020, 92560768021

METHOD BLANK: 3407068 Matrix: Water

Associated Lab Samples: 92560768002, 92560768003, 92560768004, 92560768005, 92560768006, 92560768007, 92560768008, 92560768009, 92560768010, 92560768011, 92560768012, 92560768013, 92560768014, 92560768015, 92560768016, 92560768017, 92560768018, 92560768019, 92560768020, 92560768021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000078	09/28/21 17:04	

LABORATORY CONTROL SAMPLE: 3407069

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0025	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3407070 3407071

Parameter	Units	92560768002 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	0.0026	0.0025	106	99	75-125	6	20	

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QUALITY CONTROL DATA

Project: MCDONOUGH AP-2/3/4 ASSESSMENT

Pace Project No.: 92560768

QC Batch:	649667	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92560768022, 92560768023, 92560768024, 92560768025, 92560768026, 92560768027, 92560768028, 92560768029, 92560768030, 92560768031

METHOD BLANK: 3407093 Matrix: Water

Associated Lab Samples: 92560768022, 92560768023, 92560768024, 92560768025, 92560768026, 92560768027, 92560768028, 92560768029, 92560768030, 92560768031

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000078	09/28/21 18:20	

LABORATORY CONTROL SAMPLE: 3407094

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0025	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3407095 3407096

Parameter	Units	92560768022 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	0.0026	0.0027	103	107	75-125	4	20	

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QUALITY CONTROL DATA

Project: MCDONOUGH AP-2/3/4 ASSESSMENT

Pace Project No.: 92560768

QC Batch:	647701	Analysis Method:	SM 2540C-2011
QC Batch Method:	SM 2540C-2011	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92560768002, 92560768003, 92560768004

METHOD BLANK: 3397222 Matrix: Water

Associated Lab Samples: 92560768002, 92560768003, 92560768004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	09/16/21 14:33	

LABORATORY CONTROL SAMPLE: 3397223

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	400	100	90-111	

SAMPLE DUPLICATE: 3397224

Parameter	Units	92560774001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	260	251	4	10	

SAMPLE DUPLICATE: 3397225

Parameter	Units	92560774011 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		10	

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QUALITY CONTROL DATA

Project: MCDONOUGH AP-2/3/4 ASSESSMENT

Pace Project No.: 92560768

QC Batch:	648323	Analysis Method:	SM 2540C-2011
QC Batch Method:	SM 2540C-2011	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92560768006, 92560768007, 92560768008, 92560768009, 92560768010, 92560768011, 92560768012

METHOD BLANK: 3400167 Matrix: Water
Associated Lab Samples: 92560768006, 92560768007, 92560768008, 92560768009, 92560768010, 92560768011, 92560768012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	09/20/21 16:33	

LABORATORY CONTROL SAMPLE: 3400168

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	384	96	90-111	

SAMPLE DUPLICATE: 3400169

Parameter	Units	92560963001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	139	127	9	10	

SAMPLE DUPLICATE: 3400170

Parameter	Units	92560768008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	296	295	0	10	

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QUALITY CONTROL DATA

Project: MCDONOUGH AP-2/3/4 ASSESSMENT

Pace Project No.: 92560768

QC Batch: 648469 Analysis Method: SM 2540C-2011
 QC Batch Method: SM 2540C-2011 Analysis Description: 2540C Total Dissolved Solids
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92560768013, 92560768014, 92560768015, 92560768016, 92560768017, 92560768018, 92560768019,
 92560768020, 92560768021, 92560768022

METHOD BLANK: 3400861 Matrix: Water
 Associated Lab Samples: 92560768013, 92560768014, 92560768015, 92560768016, 92560768017, 92560768018, 92560768019,
 92560768020, 92560768021, 92560768022

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	09/21/21 12:32	

LABORATORY CONTROL SAMPLE: 3400862

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	392	98	90-111	

SAMPLE DUPLICATE: 3400863

Parameter	Units	92561295001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	788	808	3	10	

SAMPLE DUPLICATE: 3400864

Parameter	Units	92560768020 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	882	916	4	10	

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QUALITY CONTROL DATA

Project: MCDONOUGH AP-2/3/4 ASSESSMENT

Pace Project No.: 92560768

QC Batch: 648470

Analysis Method: SM 2540C-2011

QC Batch Method: SM 2540C-2011

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92560768023, 92560768024, 92560768025, 92560768026, 92560768027, 92560768028, 92560768029

METHOD BLANK: 3400865

Matrix: Water

Associated Lab Samples: 92560768023, 92560768024, 92560768025, 92560768026, 92560768027, 92560768028, 92560768029

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	09/21/21 19:07	

LABORATORY CONTROL SAMPLE: 3400866

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	400	100	90-111	

SAMPLE DUPLICATE: 3400867

Parameter	Units	92562042001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	78.0	74.0	5	10	

SAMPLE DUPLICATE: 3400868

Parameter	Units	92560768028 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		10	

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QUALITY CONTROL DATA

Project: MCDONOUGH AP-2/3/4 ASSESSMENT

Pace Project No.: 92560768

QC Batch: 648744	Analysis Method: SM 2540C-2011
QC Batch Method: SM 2540C-2011	Analysis Description: 2540C Total Dissolved Solids
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92560768005

METHOD BLANK: 3402584 Matrix: Water

Associated Lab Samples: 92560768005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	09/23/21 13:16	

LABORATORY CONTROL SAMPLE: 3402585

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	388	97	90-111	

SAMPLE DUPLICATE: 3402586

Parameter	Units	92560768005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	321	321	0	10	H1

SAMPLE DUPLICATE: 3402587

Parameter	Units	92562006004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	440	780	56	10	D6

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QUALITY CONTROL DATA

Project: MCDONOUGH AP-2/3/4 ASSESSMENT

Pace Project No.: 92560768

QC Batch: 649122

Analysis Method: SM 2540C-2011

QC Batch Method: SM 2540C-2011

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92560768030, 92560768031

METHOD BLANK: 3404908

Matrix: Water

Associated Lab Samples: 92560768030, 92560768031

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	09/23/21 20:00	

LABORATORY CONTROL SAMPLE: 3404909

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	397	99	90-111	

SAMPLE DUPLICATE: 3404910

Parameter	Units	92562006012 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	644	678	5	10	

SAMPLE DUPLICATE: 3404911

Parameter	Units	92561303008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	113	127	12	10	D6

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QUALITY CONTROL DATA

Project: MCDONOUGH AP-2/3/4 ASSESSMENT
Pace Project No.: 92560768

QC Batch: 647162 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: 92560768002

METHOD BLANK: 3394748 Matrix: Water
Associated Lab Samples: 92560768002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/14/21 22:53	
Fluoride	mg/L	ND	0.10	0.050	09/14/21 22:53	
Sulfate	mg/L	ND	1.0	0.50	09/14/21 22:53	

LABORATORY CONTROL SAMPLE: 3394749

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.4	101	90-110	
Fluoride	mg/L	2.5	2.4	97	90-110	
Sulfate	mg/L	50	50.9	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3394750 3394751

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92560938001	Result	Spike Conc.	Conc.								
Chloride	mg/L	3.0	50	50	58.4	61.9	111	118	90-110	6	10	M1	
Fluoride	mg/L	0.091J	2.5	2.5	3.4	3.5	131	134	90-110	2	10	M1	
Sulfate	mg/L	33.4	50	50	88.5	91.8	110	117	90-110	4	10	M1	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3394752 3394753

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92560676003	Result	Spike Conc.	Conc.								
Chloride	mg/L	146	50	50	196	198	99	105	90-110	1	10		
Fluoride	mg/L	0.29	2.5	2.5	4.9	4.8	184	179	90-110	2	10	M1	
Sulfate	mg/L	140	50	50	193	195	105	109	90-110	1	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3394754 3394755

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92560676001	Result	Spike Conc.	Conc.								
Chloride	mg/L	4.9	50	50	62.8	64.2	116	119	90-110	2	10	M1	
Fluoride	mg/L	0.40	2.5	2.5	3.5	3.6	124	127	90-110	2	10	M1	
Sulfate	mg/L	3.8	50	50	62.4	63.7	117	120	90-110	2	10	M1	

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QUALITY CONTROL DATA

Project: MCDONOUGH AP-2/3/4 ASSESSMENT
Pace Project No.: 92560768

QC Batch: 647165 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: 92560768003, 92560768004

METHOD BLANK: 3394756 Matrix: Water
Associated Lab Samples: 92560768003, 92560768004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/15/21 07:09	
Fluoride	mg/L	ND	0.10	0.050	09/15/21 07:09	
Sulfate	mg/L	ND	1.0	0.50	09/15/21 07:09	

LABORATORY CONTROL SAMPLE: 3394757

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	48.7	97	90-110	
Fluoride	mg/L	2.5	2.3	93	90-110	
Sulfate	mg/L	50	49.0	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3394758 3394759

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92560768003	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	4.8	50	50	63.0	64.6	116	120	90-110	3	10	M1	
Fluoride	mg/L	0.15	2.5	2.5	3.1	3.1	117	119	90-110	2	10	M1	
Sulfate	mg/L	93.2	50	50	136	137	86	87	90-110	0	10	M1	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3394760 3394761

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92560774009	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	12.3	50	50	70.2	71.8	116	119	90-110	2	10	M1	
Fluoride	mg/L	0.084J	2.5	2.5	3.1	3.2	121	125	90-110	3	10	M1	
Sulfate	mg/L	217	50	50	266	268	99	101	90-110	0	10		

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QUALITY CONTROL DATA

Project: MCDONOUGH AP-2/3/4 ASSESSMENT

Pace Project No.: 92560768

QC Batch:	647237	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: 92560768005, 92560768006, 92560768007, 92560768008, 92560768009, 92560768010, 92560768011

METHOD BLANK: 3394951 Matrix: Water
Associated Lab Samples: 92560768005, 92560768006, 92560768007, 92560768008, 92560768009, 92560768010, 92560768011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/15/21 13:41	
Fluoride	mg/L	ND	0.10	0.050	09/15/21 13:41	
Sulfate	mg/L	ND	1.0	0.50	09/15/21 13:41	

LABORATORY CONTROL SAMPLE: 3394952

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	46.9	94	90-110	
Fluoride	mg/L	2.5	2.4	96	90-110	
Sulfate	mg/L	50	48.7	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3394953 3394954

Parameter	Units	92560774021		MS		MSD		% Rec	% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result									
Chloride	mg/L	10.9	50	50	62.5	63.0	103	104	90-110	1	10				
Fluoride	mg/L	0.47	2.5	2.5	3.3	3.3	112	112	90-110	0	10	M1			
Sulfate	mg/L	272	50	50	315	313	87	82	90-110	1	10	M1			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3394955 3394956

Parameter	Units	92560768007		MS		MSD		% Rec	% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result									
Chloride	mg/L	8.7	50	50	59.6	60.9	102	104	90-110	2	10				
Fluoride	mg/L	0.051J	2.5	2.5	2.6	2.7	103	105	90-110	2	10				
Sulfate	mg/L	174	50	50	217	219	88	91	90-110	1	10	M1			

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QUALITY CONTROL DATA

Project: MCDONOUGH AP-2/3/4 ASSESSMENT

Pace Project No.: 92560768

QC Batch:	647836	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: 92560768012, 92560768013, 92560768014, 92560768015, 92560768016, 92560768017, 92560768018, 92560768019, 92560768020, 92560768021

METHOD BLANK:	3398262	Matrix:	Water
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Associated Lab Samples: 92560768012, 92560768013, 92560768014, 92560768015, 92560768016, 92560768017, 92560768018, 92560768019, 92560768020, 92560768021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/16/21 21:28	
Fluoride	mg/L	ND	0.10	0.050	09/16/21 21:28	
Sulfate	mg/L	ND	1.0	0.50	09/16/21 21:28	

LABORATORY CONTROL SAMPLE: 3398263						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.6	101	90-110	
Fluoride	mg/L	2.5	2.5	98	90-110	
Sulfate	mg/L	50	50.9	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3398264												3398265	
Parameter	Units	92560967001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Chloride	mg/L	1010	50	50	1010	1010	12	-3	90-110	1	10	M1	
Fluoride	mg/L	2.7	2.5	2.5	4.9	ND	87	-108	90-110		10	M1	
Sulfate	mg/L	88.3	50	50	159	160	141	144	90-110	1	10	M1	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3398266												3398267	
Parameter	Units	92560768012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Chloride	mg/L	7.1	50	50	66.5	67.5	119	121	90-110	2	10	M1	
Fluoride	mg/L	0.16	2.5	2.5	4.2	4.4	162	169	90-110	4	10	M1	
Sulfate	mg/L	73.2	50	50	117	118	88	90	90-110	1	10	M1	

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QUALITY CONTROL DATA

Project: MCDONOUGH AP-2/3/4 ASSESSMENT
Pace Project No.: 92560768

QC Batch: 647837 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: 92560768022

METHOD BLANK: 3398284 Matrix: Water
Associated Lab Samples: 92560768022

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/17/21 05:43	
Fluoride	mg/L	ND	0.10	0.050	09/17/21 05:43	
Sulfate	mg/L	ND	1.0	0.50	09/17/21 05:43	

LABORATORY CONTROL SAMPLE: 3398285

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.3	99	90-110	
Fluoride	mg/L	2.5	2.3	93	90-110	
Sulfate	mg/L	50	50.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3398286 3398287

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92560768022	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	ND	50	50	59.2	60.1	118	120	90-110	2	10	M1	
Fluoride	mg/L	ND	2.5	2.5	2.9	2.9	115	115	90-110	0	10	M1	
Sulfate	mg/L	ND	50	50	59.8	60.7	119	121	90-110	2	10	M1	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MCDONOUGH AP-2/3/4 ASSESSMENT

Pace Project No.: 92560768

QC Batch:	647979	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: 92560768023, 92560768024, 92560768025, 92560768026, 92560768027, 92560768028, 92560768029

METHOD BLANK: 3398609 Matrix: Water
Associated Lab Samples: 92560768023, 92560768024, 92560768025, 92560768026, 92560768027, 92560768028, 92560768029

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/17/21 23:38	
Fluoride	mg/L	ND	0.10	0.050	09/17/21 23:38	
Sulfate	mg/L	ND	1.0	0.50	09/17/21 23:38	

LABORATORY CONTROL SAMPLE: 3398610

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	48.7	97	90-110	
Fluoride	mg/L	2.5	2.5	99	90-110	
Sulfate	mg/L	50	52.1	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3398611 3398612

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92561816013 Result	Spike Conc.	Spike Conc.	Conc.								
Chloride	mg/L	11900	50	50	50	12800	13000	1830	2190	90-110	1	10	M1
Fluoride	mg/L	3.6	2.5	2.5	2.5	4.3	21.0	29	698	90-110	132	10	M1,R1
Sulfate	mg/L	8660	50	50	50	9380	9600	1430	1880	90-110	2	10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3398613 3398614

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92560768026 Result	Spike Conc.	Spike Conc.	Conc.								
Chloride	mg/L	29.9	50	50	50	65.4	66.1	71	72	90-110	1	10	M1
Fluoride	mg/L	0.098J	2.5	2.5	2.5	2.8	2.8	109	109	90-110	0	10	
Sulfate	mg/L	325	50	50	50	365	368	81	86	90-110	1	10	M1

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MCDONOUGH AP-2/3/4 ASSESSMENT
Pace Project No.: 92560768

QC Batch: 648429 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: 92560768030, 92560768031

METHOD BLANK: 3400731 Matrix: Water
Associated Lab Samples: 92560768030, 92560768031

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/21/21 14:57	
Fluoride	mg/L	ND	0.10	0.050	09/21/21 14:57	
Sulfate	mg/L	ND	1.0	0.50	09/21/21 14:57	

LABORATORY CONTROL SAMPLE: 3400732

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.1	102	90-110	
Fluoride	mg/L	2.5	2.5	99	90-110	
Sulfate	mg/L	50	52.2	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3400733 3400734

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92561303004	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	5.6	50	50	56.6	56.8	102	103	90-110	0	10		
Fluoride	mg/L	0.084J	2.5	2.5	3.0	3.0	118	118	90-110	0	10	M1	
Sulfate	mg/L	95.0	50	50	129	129	67	68	90-110	0	10	M1	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3400735 3400736

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92561637004	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	ND	50	50	50.3	50.7	101	101	90-110	1	10		
Fluoride	mg/L	ND	2.5	2.5	2.4	2.5	97	98	90-110	1	10		
Sulfate	mg/L	ND	50	50	52.1	52.5	104	105	90-110	1	10		

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QUALIFIERS

Project: MCDONOUGH AP-2/3/4 ASSESSMENT

Pace Project No.: 92560768

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

1g	In-hold results could not be obtained due to suspected inaccurate tare weights on the stable-weigh bags initially used for analysis
D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
H1	Analysis conducted outside the EPA method holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MCDONOUGH AP-2/3/4 ASSESSMENT
Pace Project No.: 92560768

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92560768002	B-102D				
92560768003	B-109D				
92560768005	B-56				
92560768006	B-88				
92560768007	B-101D				
92560768008	B-106D				
92560768009	B-107D				
92560768012	B-63				
92560768013	B-66				
92560768014	B-77				
92560768015	B-82				
92560768016	B-104D				
92560768017	B-108D				
92560768018	B-111D				
92560768019	B-115D				
92560768020	B-120D				
92560768023	B-92				
92560768024	B-93				
92560768025	B-97				
92560768026	B-98				
92560768030	B-83				
92560768002	B-102D	EPA 3010A	648974	EPA 6010D	649029
92560768003	B-109D	EPA 3010A	648974	EPA 6010D	649029
92560768004	EB-3	EPA 3010A	648974	EPA 6010D	649029
92560768005	B-56	EPA 3010A	648974	EPA 6010D	649029
92560768006	B-88	EPA 3010A	648974	EPA 6010D	649029
92560768007	B-101D	EPA 3010A	648974	EPA 6010D	649029
92560768008	B-106D	EPA 3010A	648974	EPA 6010D	649029
92560768009	B-107D	EPA 3010A	648974	EPA 6010D	649029
92560768010	FB-3	EPA 3010A	649478	EPA 6010D	649554
92560768011	DUP-3	EPA 3010A	649478	EPA 6010D	649554
92560768012	B-63	EPA 3010A	649478	EPA 6010D	649554
92560768013	B-66	EPA 3010A	649478	EPA 6010D	649554
92560768014	B-77	EPA 3010A	649478	EPA 6010D	649554
92560768015	B-82	EPA 3010A	649478	EPA 6010D	649554
92560768016	B-104D	EPA 3010A	649478	EPA 6010D	649554
92560768017	B-108D	EPA 3010A	649478	EPA 6010D	649554
92560768018	B-111D	EPA 3010A	649478	EPA 6010D	649554
92560768019	B-115D	EPA 3010A	649478	EPA 6010D	649554
92560768020	B-120D	EPA 3010A	649478	EPA 6010D	649554
92560768021	DUP-4	EPA 3010A	649478	EPA 6010D	649554
92560768022	EB-4	EPA 3010A	649478	EPA 6010D	649554
92560768023	B-92	EPA 3010A	649478	EPA 6010D	649554
92560768024	B-93	EPA 3010A	649478	EPA 6010D	649554
92560768025	B-97	EPA 3010A	649478	EPA 6010D	649554
92560768026	B-98	EPA 3010A	649478	EPA 6010D	649554
92560768027	DUP-5	EPA 3010A	649478	EPA 6010D	649554
92560768028	FB-5	EPA 3010A	649478	EPA 6010D	649554

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MCDONOUGH AP-2/3/4 ASSESSMENT
Pace Project No.: 92560768

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92560768029	EB-5	EPA 3010A	649478	EPA 6010D	649554
92560768030	B-83	EPA 3010A	649648	EPA 6010D	649927
92560768031	FB-6	EPA 3010A	649648	EPA 6010D	649927
92560768002	B-102D	EPA 3005A	648942	EPA 6020B	649044
92560768003	B-109D	EPA 3005A	648942	EPA 6020B	649044
92560768004	EB-3	EPA 3005A	648942	EPA 6020B	649044
92560768005	B-56	EPA 3005A	648942	EPA 6020B	649044
92560768006	B-88	EPA 3005A	648942	EPA 6020B	649044
92560768007	B-101D	EPA 3005A	648942	EPA 6020B	649044
92560768008	B-106D	EPA 3005A	648942	EPA 6020B	649044
92560768009	B-107D	EPA 3005A	648942	EPA 6020B	649044
92560768010	FB-3	EPA 3005A	648942	EPA 6020B	649044
92560768011	DUP-3	EPA 3005A	648942	EPA 6020B	649044
92560768012	B-63	EPA 3005A	648942	EPA 6020B	649044
92560768013	B-66	EPA 3005A	648942	EPA 6020B	649044
92560768014	B-77	EPA 3005A	648942	EPA 6020B	649044
92560768015	B-82	EPA 3005A	648942	EPA 6020B	649044
92560768016	B-104D	EPA 3005A	648942	EPA 6020B	649044
92560768017	B-108D	EPA 3005A	648942	EPA 6020B	649044
92560768018	B-111D	EPA 3005A	648942	EPA 6020B	649044
92560768019	B-115D	EPA 3005A	649183	EPA 6020B	649262
92560768020	B-120D	EPA 3005A	649183	EPA 6020B	649262
92560768021	DUP-4	EPA 3005A	649183	EPA 6020B	649262
92560768022	EB-4	EPA 3005A	649183	EPA 6020B	649262
92560768023	B-92	EPA 3005A	649183	EPA 6020B	649262
92560768024	B-93	EPA 3005A	649183	EPA 6020B	649262
92560768025	B-97	EPA 3005A	649183	EPA 6020B	649262
92560768026	B-98	EPA 3005A	649183	EPA 6020B	649262
92560768027	DUP-5	EPA 3005A	649183	EPA 6020B	649262
92560768028	FB-5	EPA 3005A	649183	EPA 6020B	649262
92560768029	EB-5	EPA 3005A	649183	EPA 6020B	649262
92560768030	B-83	EPA 3005A	649183	EPA 6020B	649262
92560768031	FB-6	EPA 3005A	649183	EPA 6020B	649262
92560768002	B-102D	EPA 7470A	649663	EPA 7470A	649674
92560768003	B-109D	EPA 7470A	649663	EPA 7470A	649674
92560768004	EB-3	EPA 7470A	649663	EPA 7470A	649674
92560768005	B-56	EPA 7470A	649663	EPA 7470A	649674
92560768006	B-88	EPA 7470A	649663	EPA 7470A	649674
92560768007	B-101D	EPA 7470A	649663	EPA 7470A	649674
92560768008	B-106D	EPA 7470A	649663	EPA 7470A	649674
92560768009	B-107D	EPA 7470A	649663	EPA 7470A	649674
92560768010	FB-3	EPA 7470A	649663	EPA 7470A	649674
92560768011	DUP-3	EPA 7470A	649663	EPA 7470A	649674
92560768012	B-63	EPA 7470A	649663	EPA 7470A	649674
92560768013	B-66	EPA 7470A	649663	EPA 7470A	649674
92560768014	B-77	EPA 7470A	649663	EPA 7470A	649674
92560768015	B-82	EPA 7470A	649663	EPA 7470A	649674

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MCDONOUGH AP-2/3/4 ASSESSMENT

Pace Project No.: 92560768

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92560768016	B-104D	EPA 7470A	649663	EPA 7470A	649674
92560768017	B-108D	EPA 7470A	649663	EPA 7470A	649674
92560768018	B-111D	EPA 7470A	649663	EPA 7470A	649674
92560768019	B-115D	EPA 7470A	649663	EPA 7470A	649674
92560768020	B-120D	EPA 7470A	649663	EPA 7470A	649674
92560768021	DUP-4	EPA 7470A	649663	EPA 7470A	649674
92560768022	EB-4	EPA 7470A	649667	EPA 7470A	649675
92560768023	B-92	EPA 7470A	649667	EPA 7470A	649675
92560768024	B-93	EPA 7470A	649667	EPA 7470A	649675
92560768025	B-97	EPA 7470A	649667	EPA 7470A	649675
92560768026	B-98	EPA 7470A	649667	EPA 7470A	649675
92560768027	DUP-5	EPA 7470A	649667	EPA 7470A	649675
92560768028	FB-5	EPA 7470A	649667	EPA 7470A	649675
92560768029	EB-5	EPA 7470A	649667	EPA 7470A	649675
92560768030	B-83	EPA 7470A	649667	EPA 7470A	649675
92560768031	FB-6	EPA 7470A	649667	EPA 7470A	649675
92560768002	B-102D	SM 2540C-2011	647701		
92560768003	B-109D	SM 2540C-2011	647701		
92560768004	EB-3	SM 2540C-2011	647701		
92560768005	B-56	SM 2540C-2011	648744		
92560768006	B-88	SM 2540C-2011	648323		
92560768007	B-101D	SM 2540C-2011	648323		
92560768008	B-106D	SM 2540C-2011	648323		
92560768009	B-107D	SM 2540C-2011	648323		
92560768010	FB-3	SM 2540C-2011	648323		
92560768011	DUP-3	SM 2540C-2011	648323		
92560768012	B-63	SM 2540C-2011	648323		
92560768013	B-66	SM 2540C-2011	648469		
92560768014	B-77	SM 2540C-2011	648469		
92560768015	B-82	SM 2540C-2011	648469		
92560768016	B-104D	SM 2540C-2011	648469		
92560768017	B-108D	SM 2540C-2011	648469		
92560768018	B-111D	SM 2540C-2011	648469		
92560768019	B-115D	SM 2540C-2011	648469		
92560768020	B-120D	SM 2540C-2011	648469		
92560768021	DUP-4	SM 2540C-2011	648469		
92560768022	EB-4	SM 2540C-2011	648469		
92560768023	B-92	SM 2540C-2011	648470		
92560768024	B-93	SM 2540C-2011	648470		
92560768025	B-97	SM 2540C-2011	648470		
92560768026	B-98	SM 2540C-2011	648470		
92560768027	DUP-5	SM 2540C-2011	648470		
92560768028	FB-5	SM 2540C-2011	648470		
92560768029	EB-5	SM 2540C-2011	648470		
92560768030	B-83	SM 2540C-2011	649122		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MCDONOUGH AP-2/3/4 ASSESSMENT
Pace Project No.: 92560768

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92560768031	FB-6	SM 2540C-2011	649122		
92560768002	B-102D	EPA 300.0 Rev 2.1 1993	647162		
92560768003	B-109D	EPA 300.0 Rev 2.1 1993	647165		
92560768004	EB-3	EPA 300.0 Rev 2.1 1993	647165		
92560768005	B-56	EPA 300.0 Rev 2.1 1993	647237		
92560768006	B-88	EPA 300.0 Rev 2.1 1993	647237		
92560768007	B-101D	EPA 300.0 Rev 2.1 1993	647237		
92560768008	B-106D	EPA 300.0 Rev 2.1 1993	647237		
92560768009	B-107D	EPA 300.0 Rev 2.1 1993	647237		
92560768010	FB-3	EPA 300.0 Rev 2.1 1993	647237		
92560768011	DUP-3	EPA 300.0 Rev 2.1 1993	647237		
92560768012	B-63	EPA 300.0 Rev 2.1 1993	647836		
92560768013	B-66	EPA 300.0 Rev 2.1 1993	647836		
92560768014	B-77	EPA 300.0 Rev 2.1 1993	647836		
92560768015	B-82	EPA 300.0 Rev 2.1 1993	647836		
92560768016	B-104D	EPA 300.0 Rev 2.1 1993	647836		
92560768017	B-108D	EPA 300.0 Rev 2.1 1993	647836		
92560768018	B-111D	EPA 300.0 Rev 2.1 1993	647836		
92560768019	B-115D	EPA 300.0 Rev 2.1 1993	647836		
92560768020	B-120D	EPA 300.0 Rev 2.1 1993	647836		
92560768021	DUP-4	EPA 300.0 Rev 2.1 1993	647836		
92560768022	EB-4	EPA 300.0 Rev 2.1 1993	647837		
92560768023	B-92	EPA 300.0 Rev 2.1 1993	647979		
92560768024	B-93	EPA 300.0 Rev 2.1 1993	647979		
92560768025	B-97	EPA 300.0 Rev 2.1 1993	647979		
92560768026	B-98	EPA 300.0 Rev 2.1 1993	647979		
92560768027	DUP-5	EPA 300.0 Rev 2.1 1993	647979		
92560768028	FB-5	EPA 300.0 Rev 2.1 1993	647979		
92560768029	EB-5	EPA 300.0 Rev 2.1 1993	647979		
92560768030	B-83	EPA 300.0 Rev 2.1 1993	648429		
92560768031	FB-6	EPA 300.0 Rev 2.1 1993	648429		

REPORT OF LABORATORY ANALYSIS

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Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

WO#: 92560768



Sample Condition Upon Receipt

Client Name:

Georgia Power

Project #:

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

Custody Seal Present? Yes No Seal Intact? Yes No

Date/Initials Person Examining Contents: *MT 9/10/20*

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen?

Yes No N/A

Thermometer:

IR Gun ID: *230*

Type of Ice:

Wet Blue None

Cooler Temp:

3.1

Correction Factor:
Add/Subtract (°C)

± 0.1

Temp should be above freezing to 5°C

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

Cooler Temp Corrected (°C): *3.5*

USDA Regulated Soil? N/A, water sample

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)?

Yes No

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

Comments/Discrepancy:

Chain of Custody Present?	Yes	No	N/A	1.
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 checked="" 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 checked="" type="checkbox"/>	<input 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>WT</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 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: _____



Document Name:
Sample Condition Upon Receipt (SCUR)
 Document No.:
F-CAR-CS-033-Rev.07

Document Revised: October 28, 2020
 Page 1 of 2
 Issuing Authority:
 Pace Carolinas Quality Office

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

GA Power

Project #:

[Redacted Project Number]

Carrier: Commercial Fed Ex UPS USPS Client Pace Other: _____

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 9/14/21 KPW

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: IR Gun ID: THR214 Type of Ice: Blue Blue None

Cooler Temp: 3.3 Correction Factor: Add/Subtract (°C) -0.1

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

Cooler Temp Corrected (°C): 3.2

USOA Regulated Solids 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. <u>10 Day TAT</u>
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 CQC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Includes Date/Time/ID/Analysis Matrix: <u>W</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

B-100 present, even though it is crossed out on the COC.

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

B-100 on separate project

Person contacted:

Daniela Herrera

Date/Time:

9/14/21 10:27

Project Manager SCURF Review:

Date:

Project Manager SRF Review:

Date:

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: **Chesapeake Power - Coal Combustion Residuals** Address: **2460 Warner Road, Annapolis, MD 20708** Phone: **(410) 506-7238** Fax: **(410) 506-7238** Requested Date/Time: **10 Day 147**

Section B Required Project Information: Region To: **JMW Annapolis** Region From: **Chesapeake** Project Name: **Plant W/Downing AD-3-3-34** Project #/ID: **1000000001**

Section C Invoicing Information: Address: **2460 Warner Road, Annapolis, MD 20708** Company Name: **Chesapeake Power - Coal Combustion Residuals** Invoice Number: **1000000001** Date: **09/14/21**

Section D Regulatory Agency: **CA** Requested Analytes: **Asst (1) V Total Metals, Cl, F, SO4, TDS, Radium 226/228**

ITEM #	SAMPLE ID	MATRIX CODE (See typed notes to left)	SAMPLE TYPE (Q-QRAB C-DOOMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS							Preservatives	Analytes Test	Y/N	Residual Chloride (Y/N)	pH
							Unpreserved - Ice	H2SO4	HNO3 + Ice	HCl	NaOH + Zn Acetate	As2S2O3	Methylene					
1	B-66	WT	G	9/13/2021	18:11		5	2	2	2								pH = 6.68
2	B-67	WT	G	9/13/2021	18:26		5	2	2	2								pH = 5.68
3	B-68	WT	G	9/13/2021	18:33		5	2	2	2								pH = 6.07
4	B-69	WT	G	9/13/2021	18:35		5	2	2	2								pH = 5.01
5	B-70	WT	G	9/13/2021	17:35		7	2	5									pH = 5.80
6	B-71	WT	G	9/13/2021	18:20		5	2	2	2								pH = NA
7	B-72	WT	G	9/13/2021	18:20		5	2	2	2								pH = NA
8	B-73	WT	G	9/13/2021	-		5	2	2	2								pH = NA
9	B-74	WT	G	9/13/2021	-		5	2	2	2								pH = NA
10																		
11																		
12																		
13																		
14																		

ADDITIONAL COMMENTS: **SPILL COVER 9-14-21 08:46 T. EITZ**
SPILL COVER 9-14-21 09:30 MMH PULL
 DATE SIGNED: **09-14-21**

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt	Client Name: <u>G.A. Fowler</u>	Project #: <div style="border: 1px solid black; height: 40px; width: 100%;"></div>
-------------------------------	---------------------------------	--

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

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 9/15/2020

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: IR Gun ID: JHP083 Type of Ice: Wet Blue None

Cooler Temp: 0.9 Correction Factor: Add/Subtract (°C) +0

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

Cooler Temp Corrected (°C): 0.9

USDA Regulated Soil (N/A, water sample)

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

Old 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. <u>10 Day TMI</u>
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	7.
Containers Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Dissolved analysis: Samples Field Filtered? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	9.
Sample Labels Match COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
-Includes Date/Time/ID/Analysis Matrix: <u>WT</u>	11.
Headspace in VOA Vials (>5-6mm)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.
Trip Blank Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.

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: _____

	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: October 28, 2020 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.07	Issuing Authority: Pace Carolinas Quality Office

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt
 Client Name: Georgia Power Project #:

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

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: MT 9/16/20

Packing Material: Bubble Wrap Bubble Bags None Other
 Thermometer: IR Gun ID: 214 Type of Ice: Wet Blue None

Biological Tissue Frozen? Yes No N/A

Cooler Temp: 3.2 Correction Factor: +0.1
 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): 3.1

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)?

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

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 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>WT</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: _____

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name: G A Power Project #:

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

Custody Seal Present? Yes No Seals Intact? Yes No

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer: IR Gun ID: 083 Type of Ice: Wet Blue None

Cooler Temp: 2.0 Correction Factor: Add/Subtract (°C) 0.0

Cooler Temp Corrected (°C): 2.0

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

Date/Initials Person Examining Contents: 9/17/20
COF
Biological Tissue Frozen? Yes No N/A

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

	Comments/Discrpancy:
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 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: <u>W</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: _____

November 04, 2021

Joju Abraham
Georgia Power-CCR
2480 Maner Road
Atlanta, GA 30339

RE: Project: MCDONOUGH AP-2/3/4 ASSESS RADS
Pace Project No.: 92560765

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between September 10, 2021 and September 17, 2021. 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,



Nicole D'Oleo
nicole.d'oleo@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Stephen Benda
Daniela Herrera, Golder
Ben Hodges, Georgia Power
Kristen Jurinko
J. Shelby Mobley
Charles Norton, Southern Company
Ms. Lauren Petty, Southern Company
Dawn Prell, Golder Associates Inc.
Tim Richards, Golder Associates - Atlanta



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MCDONOUGH AP-2/3/4 ASSESS RADS
Pace Project No.: 92560765

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
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 #: PA014572018-1
New Hampshire/TNI Certification #: 297617
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 #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92560765002	B-102D	Water	09/10/21 14:27	09/10/21 17:40
92560765003	B-109D	Water	09/10/21 13:05	09/10/21 17:40
92560765004	EB-3	Water	09/10/21 15:00	09/10/21 17:40
92560765005	B-56	Water	09/13/21 13:11	09/14/21 09:35
92560765006	B-88	Water	09/13/21 14:35	09/14/21 09:35
92560765007	B-101D	Water	09/13/21 15:52	09/14/21 09:35
92560765008	B-106D	Water	09/13/21 12:10	09/14/21 09:35
92560765009	B-107D	Water	09/13/21 17:35	09/14/21 09:35
92560765010	FB-3	Water	09/13/21 16:30	09/14/21 09:35
92560765011	DUP-3	Water	09/13/21 00:00	09/14/21 09:35
92560765012	B-63	Water	09/14/21 12:45	09/15/21 09:34
92560765013	B-66	Water	09/14/21 11:02	09/15/21 09:34
92560765014	B-77	Water	09/14/21 10:45	09/15/21 09:34
92560765015	B-82	Water	09/14/21 12:55	09/15/21 09:34
92560765016	B-104D	Water	09/14/21 16:45	09/15/21 09:34
92560765017	B-108D	Water	09/14/21 11:25	09/15/21 09:34
92560765018	B-111D	Water	09/14/21 15:37	09/15/21 09:34
92560765019	B-115D	Water	09/14/21 15:00	09/15/21 09:34
92560765020	B-120D	Water	09/14/21 14:50	09/15/21 09:34
92560765021	DUP-4	Water	09/14/21 00:00	09/15/21 09:34
92560765022	EB-4	Water	09/14/21 16:35	09/15/21 09:34
92560765023	B-92	Water	09/15/21 11:38	09/16/21 09:06
92560765024	B-93	Water	09/15/21 11:31	09/16/21 09:06
92560765025	B-97	Water	09/15/21 12:50	09/16/21 09:06
92560765026	B-98	Water	09/15/21 13:10	09/16/21 09:06
92560765027	DUP-5	Water	09/15/21 00:00	09/16/21 09:06
92560765028	FB-5	Water	09/15/21 13:25	09/16/21 09:06
92560765029	EB-5	Water	09/15/21 13:35	09/16/21 09:06
92560765030	B-83	Water	09/16/21 11:37	09/17/21 17:06
92560765031	FB-6	Water	09/16/21 11:55	09/17/21 17:06

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92560765002	B-102D	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JC2	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92560765003	B-109D	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JC2	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92560765004	EB-3	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JC2	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92560765005	B-56	EPA 9315	CLA	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92560765006	B-88	EPA 9315	CLA	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92560765007	B-101D	EPA 9315	CLA	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92560765008	B-106D	EPA 9315	CLA	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92560765009	B-107D	EPA 9315	CLA	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92560765010	FB-3	EPA 9315	CLA	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92560765011	DUP-3	EPA 9315	CLA	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92560765012	B-63	EPA 9315	CLA	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92560765013	B-66	EPA 9315	CLA	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92560765014	B-77	EPA 9315	CLA	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: MCDONOUGH AP-2/3/4 ASSESS RADS
Pace Project No.: 92560765

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92560765015	B-82	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	CLA	1	PASI-PA
92560765016	B-104D	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	CLA	1	PASI-PA
92560765017	B-108D	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	CLA	1	PASI-PA
92560765018	B-111D	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	CLA	1	PASI-PA
92560765019	B-115D	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	CLA	1	PASI-PA
92560765020	B-120D	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	CLA	1	PASI-PA
92560765021	DUP-4	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	CLA	1	PASI-PA
92560765022	EB-4	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	CLA	1	PASI-PA
92560765023	B-92	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92560765024	B-93	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92560765025	B-97	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92560765026	B-98	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA

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SAMPLE ANALYTE COUNT

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92560765027	DUP-5	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
92560765028	FB-5	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
92560765029	EB-5	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
92560765030	B-83	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	JJY	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
92560765031	FB-6	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	JJY	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

Sample: B-102D **Lab ID: 92560765002** Collected: 09/10/21 14:27 Received: 09/10/21 17:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.642 ± 0.288 (0.352) C:98% T:NA	pCi/L	10/06/21 08:25	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.10 ± 0.487 (0.784) C:62% T:88%	pCi/L	10/04/21 14:59	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.74 ± 0.775 (1.14)	pCi/L	10/07/21 15:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

Sample: B-109D **Lab ID: 92560765003** Collected: 09/10/21 13:05 Received: 09/10/21 17:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	3.09 ± 0.717 (0.375) C:93% T:NA	pCi/L	10/06/21 08:25	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	6.36 ± 1.39 (0.888) C:65% T:88%	pCi/L	10/04/21 14:59	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	9.45 ± 2.11 (1.26)	pCi/L	10/07/21 15:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

Sample: EB-3 **Lab ID: 92560765004** Collected: 09/10/21 15:00 Received: 09/10/21 17:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.392 ± 0.246 (0.389) C:98% T:NA	pCi/L	10/06/21 08:25	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.569 ± 0.383 (0.721) C:65% T:89%	pCi/L	10/04/21 14:59	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.961 ± 0.629 (1.11)	pCi/L	10/07/21 15:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: B-56 Lab ID: 92560765005 Collected: 09/13/21 13:11 Received: 09/14/21 09:35 Matrix: Water PWS: Site ID: Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.330 ± 0.262 (0.457) C:97% T:NA	pCi/L	10/06/21 11:56	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.524 ± 0.359 (0.673) C:69% T:85%	pCi/L	10/04/21 15:00	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.854 ± 0.621 (1.13)	pCi/L	10/07/21 15:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: B-88 Lab ID: 92560765006 Collected: 09/13/21 14:35 Received: 09/14/21 09:35 Matrix: Water PWS: Site ID: Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.437 ± 0.308 (0.537) C:95% T:NA	pCi/L	10/06/21 11:55	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.334 ± 0.339 (0.696) C:65% T:91%	pCi/L	10/04/21 15:00	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.771 ± 0.647 (1.23)	pCi/L	10/07/21 15:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

Sample: B-101D **Lab ID: 92560765007** Collected: 09/13/21 15:52 Received: 09/14/21 09:35 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	0.330 ± 0.250 (0.421) C:94% T:NA	pCi/L	10/06/21 12:02	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.47 ± 0.527 (0.740) C:64% T:92%	pCi/L	10/04/21 15:00	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.80 ± 0.777 (1.16)	pCi/L	10/07/21 15:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

Sample: B-106D **Lab ID: 92560765008** Collected: 09/13/21 12:10 Received: 09/14/21 09:35 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	0.159 ± 0.195 (0.397) C:92% T:NA	pCi/L	10/06/21 12:02	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.466 ± 0.412 (0.835) C:63% T:93%	pCi/L	10/04/21 15:05	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.625 ± 0.607 (1.23)	pCi/L	10/07/21 15:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

Sample: B-107D **Lab ID: 92560765009** Collected: 09/13/21 17:35 Received: 09/14/21 09:35 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	0.349 ± 0.264 (0.459) C:95% T:NA	pCi/L	10/06/21 12:02	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.464 ± 0.388 (0.773) C:62% T:94%	pCi/L	10/04/21 15:05	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.813 ± 0.652 (1.23)	pCi/L	10/07/21 15:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

Sample: FB-3 **Lab ID: 92560765010** Collected: 09/13/21 16:30 Received: 09/14/21 09:35 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	0.0425 ± 0.180 (0.458) C:97% T:NA	pCi/L	10/06/21 12:02	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.855 ± 0.434 (0.742) C:67% T:91%	pCi/L	10/04/21 15:05	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.898 ± 0.614 (1.20)	pCi/L	10/07/21 15:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: DUP-3 Lab ID: 92560765011 Collected: 09/13/21 00:00 Received: 09/14/21 09:35 Matrix: Water PWS: Site ID: Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.0608 ± 0.169 (0.413) C:94% T:NA	pCi/L	10/06/21 12:02	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.346 ± 0.366 (0.761) C:68% T:95%	pCi/L	10/04/21 15:05	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.407 ± 0.535 (1.17)	pCi/L	10/07/21 15:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: B-63 Lab ID: 92560765012 Collected: 09/14/21 12:45 Received: 09/15/21 09:34 Matrix: Water PWS: Site ID: Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.981 ± 0.427 (0.562) C:92% T:NA	pCi/L	10/06/21 12:06	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.703 ± 0.469 (0.886) C:62% T:80%	pCi/L	10/04/21 15:06	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.68 ± 0.896 (1.45)	pCi/L	10/07/21 15:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: B-66 Lab ID: 92560765013 Collected: 09/14/21 11:02 Received: 09/15/21 09:34 Matrix: Water PWS: Site ID: Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.152 ± 0.198 (0.423) C:96% T:NA	pCi/L	10/07/21 07:58	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.269 ± 0.385 (0.826) C:63% T:92%	pCi/L	10/04/21 15:06	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.421 ± 0.583 (1.25)	pCi/L	10/07/21 15:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: B-77 Lab ID: 92560765014 Collected: 09/14/21 10:45 Received: 09/15/21 09:34 Matrix: Water PWS: Site ID: Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.428 ± 0.234 (0.303) C:96% T:NA	pCi/L	10/07/21 07:58	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.189 ± 0.446 (0.989) C:64% T:92%	pCi/L	10/04/21 15:06	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.617 ± 0.680 (1.29)	pCi/L	10/07/21 15:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: B-82 Lab ID: 92560765015 Collected: 09/14/21 12:55 Received: 09/15/21 09:34 Matrix: Water PWS: Site ID: Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.295 ± 0.225 (0.399) C:95% T:NA	pCi/L	10/07/21 07:59	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.739 ± 0.434 (0.802) C:65% T:95%	pCi/L	10/04/21 15:06	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.03 ± 0.659 (1.20)	pCi/L	10/07/21 15:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: B-104D Lab ID: 92560765016 Collected: 09/14/21 16:45 Received: 09/15/21 09:34 Matrix: Water PWS: Site ID: Sample Type:						
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	2.74 ± 0.667 (0.492) C:98% T:NA	pCi/L	10/07/21 07:59	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	6.86 ± 1.48 (0.938) C:64% T:88%	pCi/L	10/04/21 15:06	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	9.60 ± 2.15 (1.43)	pCi/L	10/07/21 15:35	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

Sample: B-108D **Lab ID: 92560765017** Collected: 09/14/21 11:25 Received: 09/15/21 09:34 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	0.302 ± 0.225 (0.400) C:99% T:NA	pCi/L	10/07/21 07:59	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.615 ± 0.598 (1.23) C:62% T:61%	pCi/L	10/04/21 15:06	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.917 ± 0.823 (1.63)	pCi/L	10/07/21 15:35	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

Sample: B-111D **Lab ID: 92560765018** Collected: 09/14/21 15:37 Received: 09/15/21 09:34 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	2.47 ± 0.610 (0.392) C:96% T:NA	pCi/L	10/07/21 07:59	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.92 ± 0.599 (0.750) C:64% T:94%	pCi/L	10/04/21 15:07	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	4.39 ± 1.21 (1.14)	pCi/L	10/07/21 15:35	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

Sample: B-115D **Lab ID: 92560765019** Collected: 09/14/21 15:00 Received: 09/15/21 09:34 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	3.07 ± 0.707 (0.450) C:98% T:NA	pCi/L	10/07/21 07:59	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	8.87 ± 1.80 (0.717) C:65% T:94%	pCi/L	10/04/21 15:07	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	11.9 ± 2.51 (1.17)	pCi/L	10/07/21 15:35	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: B-120D Lab ID: 92560765020 Collected: 09/14/21 14:50 Received: 09/15/21 09:34 Matrix: Water PWS: Site ID: Sample Type:						
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	1.17 ± 0.404 (0.338) C:97% T:NA	pCi/L	10/07/21 08:30	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	2.51 ± 0.770 (0.948) C:61% T:87%	pCi/L	10/06/21 11:14	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	3.68 ± 1.17 (1.29)	pCi/L	10/07/21 15:35	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

Sample: DUP-4 **Lab ID: 92560765021** Collected: 09/14/21 00:00 Received: 09/15/21 09:34 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	0.0272 ± 0.161 (0.414) C:97% T:NA	pCi/L	10/07/21 08:30	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.976 ± 0.443 (0.738) C:69% T:85%	pCi/L	10/06/21 11:14	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.00 ± 0.604 (1.15)	pCi/L	10/07/21 15:35	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

Sample: EB-4 **Lab ID: 92560765022** Collected: 09/14/21 16:35 Received: 09/15/21 09:34 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	0.0543 ± 0.174 (0.425) C:100% T:NA	pCi/L	10/07/21 08:30	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.392 ± 0.312 (0.616) C:74% T:89%	pCi/L	10/06/21 11:14	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.446 ± 0.486 (1.04)	pCi/L	10/07/21 15:35	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: B-92 Lab ID: 92560765023 Collected: 09/15/21 11:38 Received: 09/16/21 09:06 Matrix: Water PWS: Site ID: Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.416 ± 0.278 (0.487) C:94% T:NA	pCi/L	10/06/21 08:11	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.977 ± 0.468 (0.822) C:74% T:88%	pCi/L	09/30/21 11:24	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.39 ± 0.746 (1.31)	pCi/L	10/07/21 15:41	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: B-93 Lab ID: 92560765024 Collected: 09/15/21 11:31 Received: 09/16/21 09:06 Matrix: Water PWS: Site ID: Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.372 ± 0.246 (0.402) C:88% T:NA	pCi/L	10/06/21 08:11	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	1.47 ± 0.523 (0.762) C:72% T:85%	pCi/L	09/30/21 11:24	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.84 ± 0.769 (1.16)	pCi/L	10/07/21 15:41	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: B-97 Lab ID: 92560765025 Collected: 09/15/21 12:50 Received: 09/16/21 09:06 Matrix: Water PWS: Site ID: Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.566 ± 0.289 (0.386) C:86% T:NA	pCi/L	10/06/21 08:12	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	1.54 ± 0.537 (0.770) C:71% T:88%	pCi/L	09/30/21 11:24	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	2.11 ± 0.826 (1.16)	pCi/L	10/07/21 15:41	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: B-98 Lab ID: 92560765026 Collected: 09/15/21 13:10 Received: 09/16/21 09:06 Matrix: Water PWS: Site ID: Sample Type:						
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	1.31 ± 0.460 (0.566) C:88% T:NA	pCi/L	10/06/21 08:12	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.889 ± 0.463 (0.838) C:72% T:89%	pCi/L	09/30/21 11:24	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	2.20 ± 0.923 (1.40)	pCi/L	10/07/21 15:41	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

Sample: DUP-5 **Lab ID: 92560765027** Collected: 09/15/21 00:00 Received: 09/16/21 09:06 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	0.585 ± 0.304 (0.461) C:93% T:NA	pCi/L	10/06/21 08:12	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.12 ± 0.518 (0.897) C:71% T:84%	pCi/L	09/30/21 11:25	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.71 ± 0.822 (1.36)	pCi/L	10/07/21 15:41	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: FB-5 Lab ID: 92560765028 Collected: 09/15/21 13:25 Received: 09/16/21 09:06 Matrix: Water PWS: Site ID: Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	-0.00298 ± 0.124 (0.353) C:89% T:NA	pCi/L	10/06/21 08:12	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	-0.146 ± 0.351 (0.843) C:73% T:84%	pCi/L	09/30/21 11:25	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.000 ± 0.475 (1.20)	pCi/L	10/07/21 15:41	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

Sample: EB-5 **Lab ID: 92560765029** Collected: 09/15/21 13:35 Received: 09/16/21 09:06 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	0.0177 ± 0.162 (0.420) C:95% T:NA	pCi/L	10/06/21 08:12	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.338 ± 0.407 (0.863) C:72% T:85%	pCi/L	09/30/21 11:25	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.356 ± 0.569 (1.28)	pCi/L	10/07/21 15:41	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

Sample: B-83 **Lab ID: 92560765030** Collected: 09/16/21 11:37 Received: 09/17/21 17:06 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	0.207 ± 0.177 (0.311) C:95% T:NA	pCi/L	10/08/21 08:40	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.235 ± 0.368 (0.797) C:64% T:89%	pCi/L	10/07/21 14:39	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.442 ± 0.545 (1.11)	pCi/L	10/20/21 17:19	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

Sample: FB-6 **Lab ID: 92560765031** Collected: 09/16/21 11:55 Received: 09/17/21 17:06 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	2.51 ± 0.852 (1.12) C:92% T:NA	pCi/L	10/19/21 08:56	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	-0.301 ± 0.368 (0.928) C:61% T:89%	pCi/L	10/07/21 14:39	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	2.51 ± 1.22 (2.05)	pCi/L	10/20/21 17:24	7440-14-4	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

QC Batch: 466957

Analysis Method: EPA 9315

QC Batch Method: EPA 9315

Analysis Description: 9315 Total Radium

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92560765031

METHOD BLANK: 2255015

Matrix: Water

Associated Lab Samples: 92560765031

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0260 ± 0.142 (0.353) C:102% T:NA	pCi/L	10/19/21 08:55	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

QC Batch:	465345	Analysis Method:	EPA 9320
QC Batch Method:	EPA 9320	Analysis Description:	9320 Radium 228
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 92560765005, 92560765006, 92560765007, 92560765008, 92560765009, 92560765010, 92560765011, 92560765012, 92560765013, 92560765014, 92560765015, 92560765016, 92560765017, 92560765018, 92560765019

METHOD BLANK: 2247073 Matrix: Water

Associated Lab Samples: 92560765005, 92560765006, 92560765007, 92560765008, 92560765009, 92560765010, 92560765011, 92560765012, 92560765013, 92560765014, 92560765015, 92560765016, 92560765017, 92560765018, 92560765019

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.306 ± 0.283 (0.572) C:72% T:95%	pCi/L	10/04/21 11:58	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

QC Batch:	465341	Analysis Method:	EPA 9320
QC Batch Method:	EPA 9320	Analysis Description:	9320 Radium 228
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 92560765023, 92560765024, 92560765025, 92560765026, 92560765027, 92560765028, 92560765029

METHOD BLANK: 2247067 Matrix: Water

Associated Lab Samples: 92560765023, 92560765024, 92560765025, 92560765026, 92560765027, 92560765028, 92560765029

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.554 ± 0.366 (0.696) C:72% T:88%	pCi/L	09/30/21 11:24	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

QC Batch: 466410

Analysis Method: EPA 9320

QC Batch Method: EPA 9320

Analysis Description: 9320 Radium 228

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92560765030, 92560765031

METHOD BLANK: 2252279

Matrix: Water

Associated Lab Samples: 92560765030, 92560765031

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.420 ± 0.367 (0.738) C:65% T:90%	pCi/L	10/07/21 11:22	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 ASSESS RADS
Pace Project No.: 92560765

QC Batch:	465348	Analysis Method:	EPA 9320
QC Batch Method:	EPA 9320	Analysis Description:	9320 Radium 228
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 92560765020, 92560765021, 92560765022

METHOD BLANK: 2247079 Matrix: Water
Associated Lab Samples: 92560765020, 92560765021, 92560765022

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.625 ± 0.317 (0.544) C:74% T:91%	pCi/L	10/06/21 11:18	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

QC Batch:	465350	Analysis Method:	EPA 9315
QC Batch Method:	EPA 9315	Analysis Description:	9315 Total Radium
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 92560765020, 92560765021, 92560765022

METHOD BLANK: 2247083 Matrix: Water

Associated Lab Samples: 92560765020, 92560765021, 92560765022

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0502 ± 0.146 (0.360) C:88% T:NA	pCi/L	10/07/21 08:30	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

QC Batch: 465343

Analysis Method: EPA 9320

QC Batch Method: EPA 9320

Analysis Description: 9320 Radium 228

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92560765002, 92560765003, 92560765004

METHOD BLANK: 2247069

Matrix: Water

Associated Lab Samples: 92560765002, 92560765003, 92560765004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.209 ± 0.287 (0.612) C:69% T:89%	pCi/L	10/04/21 11:58	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

QC Batch: 466264

Analysis Method: EPA 9315

QC Batch Method: EPA 9315

Analysis Description: 9315 Total Radium

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92560765030

METHOD BLANK: 2251638

Matrix: Water

Associated Lab Samples: 92560765030

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.284 ± 0.229 (0.421) C:95% T:NA	pCi/L	10/08/21 08:00	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

QC Batch:	465344	Analysis Method:	EPA 9315
QC Batch Method:	EPA 9315	Analysis Description:	9315 Total Radium
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 92560765002, 92560765003, 92560765004

METHOD BLANK: 2247072 Matrix: Water

Associated Lab Samples: 92560765002, 92560765003, 92560765004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.00717 ± 0.168 (0.443) C:96% T:NA	pCi/L	10/06/21 08:19	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

QC Batch:	465342	Analysis Method:	EPA 9315
QC Batch Method:	EPA 9315	Analysis Description:	9315 Total Radium
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 92560765023, 92560765024, 92560765025, 92560765026, 92560765027, 92560765028, 92560765029

METHOD BLANK: 2247068 Matrix: Water

Associated Lab Samples: 92560765023, 92560765024, 92560765025, 92560765026, 92560765027, 92560765028, 92560765029

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.189 ± 0.181 (0.337) C:97% T:NA	pCi/L	10/06/21 08:11	

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QUALIFIERS

Project: MCDONOUGH AP-2/3/4 ASSESS RADS

Pace Project No.: 92560765

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: MCDONOUGH AP-2/3/4 ASSESS RADS
Pace Project No.: 92560765

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92560765002	B-102D	EPA 9315	465344		
92560765003	B-109D	EPA 9315	465344		
92560765004	EB-3	EPA 9315	465344		
92560765005	B-56	EPA 9315	465347		
92560765006	B-88	EPA 9315	465347		
92560765007	B-101D	EPA 9315	465347		
92560765008	B-106D	EPA 9315	465347		
92560765009	B-107D	EPA 9315	465347		
92560765010	FB-3	EPA 9315	465347		
92560765011	DUP-3	EPA 9315	465347		
92560765012	B-63	EPA 9315	465347		
92560765013	B-66	EPA 9315	465347		
92560765014	B-77	EPA 9315	465347		
92560765015	B-82	EPA 9315	465347		
92560765016	B-104D	EPA 9315	465347		
92560765017	B-108D	EPA 9315	465347		
92560765018	B-111D	EPA 9315	465347		
92560765019	B-115D	EPA 9315	465347		
92560765020	B-120D	EPA 9315	465350		
92560765021	DUP-4	EPA 9315	465350		
92560765022	EB-4	EPA 9315	465350		
92560765023	B-92	EPA 9315	465342		
92560765024	B-93	EPA 9315	465342		
92560765025	B-97	EPA 9315	465342		
92560765026	B-98	EPA 9315	465342		
92560765027	DUP-5	EPA 9315	465342		
92560765028	FB-5	EPA 9315	465342		
92560765029	EB-5	EPA 9315	465342		
92560765030	B-83	EPA 9315	466264		
92560765031	FB-6	EPA 9315	466957		
92560765002	B-102D	EPA 9320	465343		
92560765003	B-109D	EPA 9320	465343		
92560765004	EB-3	EPA 9320	465343		
92560765005	B-56	EPA 9320	465345		
92560765006	B-88	EPA 9320	465345		
92560765007	B-101D	EPA 9320	465345		
92560765008	B-106D	EPA 9320	465345		
92560765009	B-107D	EPA 9320	465345		
92560765010	FB-3	EPA 9320	465345		
92560765011	DUP-3	EPA 9320	465345		
92560765012	B-63	EPA 9320	465345		
92560765013	B-66	EPA 9320	465345		
92560765014	B-77	EPA 9320	465345		
92560765015	B-82	EPA 9320	465345		
92560765016	B-104D	EPA 9320	465345		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MCDONOUGH AP-2/3/4 ASSESS RADS
Pace Project No.: 92560765

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92560765017	B-108D	EPA 9320	465345		
92560765018	B-111D	EPA 9320	465345		
92560765019	B-115D	EPA 9320	465345		
92560765020	B-120D	EPA 9320	465348		
92560765021	DUP-4	EPA 9320	465348		
92560765022	EB-4	EPA 9320	465348		
92560765023	B-92	EPA 9320	465341		
92560765024	B-93	EPA 9320	465341		
92560765025	B-97	EPA 9320	465341		
92560765026	B-98	EPA 9320	465341		
92560765027	DUP-5	EPA 9320	465341		
92560765028	FB-5	EPA 9320	465341		
92560765029	EB-5	EPA 9320	465341		
92560765030	B-83	EPA 9320	466410		
92560765031	FB-6	EPA 9320	466410		
92560765002	B-102D	Total Radium Calculation	467213		
92560765003	B-109D	Total Radium Calculation	467213		
92560765004	EB-3	Total Radium Calculation	467213		
92560765005	B-56	Total Radium Calculation	467213		
92560765006	B-88	Total Radium Calculation	467213		
92560765007	B-101D	Total Radium Calculation	467213		
92560765008	B-106D	Total Radium Calculation	467213		
92560765009	B-107D	Total Radium Calculation	467213		
92560765010	FB-3	Total Radium Calculation	467213		
92560765011	DUP-3	Total Radium Calculation	467213		
92560765012	B-63	Total Radium Calculation	467213		
92560765013	B-66	Total Radium Calculation	467213		
92560765014	B-77	Total Radium Calculation	467213		
92560765015	B-82	Total Radium Calculation	467213		
92560765016	B-104D	Total Radium Calculation	467218		
92560765017	B-108D	Total Radium Calculation	467218		
92560765018	B-111D	Total Radium Calculation	467218		
92560765019	B-115D	Total Radium Calculation	467218		
92560765020	B-120D	Total Radium Calculation	467218		
92560765021	DUP-4	Total Radium Calculation	467218		
92560765022	EB-4	Total Radium Calculation	467218		
92560765023	B-92	Total Radium Calculation	467224		
92560765024	B-93	Total Radium Calculation	467224		
92560765025	B-97	Total Radium Calculation	467224		
92560765026	B-98	Total Radium Calculation	467224		
92560765027	DUP-5	Total Radium Calculation	467224		
92560765028	FB-5	Total Radium Calculation	467224		
92560765029	EB-5	Total Radium Calculation	467224		
92560765030	B-83	Total Radium Calculation	469110		
92560765031	FB-6	Total Radium Calculation	469112		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MCDONOUGH AP-2/3/4 ASSESS RADS
Pace Project No.: 92560765

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
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REPORT OF LABORATORY ANALYSIS

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	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: October 28, 2020 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.07	Issuing Authority: Pace Carolinas Quality Office

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

WO#: 92560768



Sample Condition Upon Receipt

Client Name: Georgia Power

Project #:

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

Custody Seal Present? Yes No Seal Intact? Yes No

Date/Initials Person Examining Contents: MT 9/10/20

Packing Material: Bubble Wrap Bubble Bags None Other
 Thermometer: IR Gun ID: 230 Type of Ice: Wet Blue None

Biological Tissue Frozen? Yes No N/A

Cooler Temp: 3.1 Correction Factor: Add/Subtract (°C) ± 0.1

Temp should be above freezing to 5°C
 Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 3.5

USDA Regulated Soil (N/A, water sample)

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

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

			Comments/Discrepancy:
Chain of Custody Present?	<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 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>WT</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 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: _____



Document Name:
Sample Condition Upon Receipt (SCUR)
 Document No.:
F-CAR-CS-033-Rev.07

Document Revised: October 28, 2020
 Page 1 of 2
 Issuing Authority:
 Pace Carolinas Quality Office

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

GA Power

Project #:

Carrier: Commercial Fed Ex UPS USPS Client Pace Other: _____

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 9/14/21 KPW

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen?

Yes No N/A

Thermometer:

IR Gun ID: THR214 Type of Ice: Blue Blue None

Cooler Temp:

3.3 Correction Factor: Add/Subtract (°C) -0.1

Temp should be above freezing to 6°C

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

Cooler Temp Corrected (°C):

3.2

USOA Regulated Solids N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)?

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. <u>10 Day TAT</u>
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 CQC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Includes Date/Time/ID/Analysis Matrix: <u>W</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

B-100 present, even though it is crossed out on the COC.

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

B-100 on separate project

Person contacted:

Daniela Herrera

Date/Time:

9/14/21 10:27

Project Manager SCURF Review:

Date:

Project Manager SRF Review:

Date:

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt
 Client Name: G.A. Fowler Project #:

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

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 9/15/2018

Packing Material: Bubble Wrap Bubble Bags None Other
 Thermometer: IR Gun ID: JHP083 Type of Ice: Wet Blue None

Biological Tissue Frozen?
 Yes No N/A

Cooler Temp: 0.9 Correction Factor: Add/Subtract (°C) +0

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

Cooler Temp Corrected (°C): 0.9

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 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.	<u>10 Day TMI</u>
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:	<u>WT</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: _____

	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: October 28, 2020 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.07	Issuing Authority: Pace Carolinas Quality Office

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt: Client Name: Georgia Power Project #:

Carrier: Commercial Fed Ex UPS USPS Client Pace Other: _____

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: MT 9/16/20

Packing Material: Bubble Wrap Bubble Bags None Other
 Thermometer: IR Gun ID: 214 Type of Ice: Wet Blue None

Biological Tissue Frozen? Yes No N/A

Cooler Temp: 3.2 Correction Factor: +0.1
 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): 3.1

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No
 Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

			Comments/Discrepancy:
Chain of Custody Present?	<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 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>WT</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: _____



Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name: G A Power Project #:

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

Custody Seal Present? Yes No Seals Intact? Yes No

Packing Material: Bubble Wrap Bubble Bags None Other
 Thermometer: IR Gun ID: 083 Type of Ice: Wet Blue None

Cooler Temp: 2.0 Correction Factor: Add/Subtract (°C) 0.0
 Cooler Temp Corrected (°C): 2.0

Date/Initials Person Examining Contents: 9/17/20
COF
 Biological Tissue Frozen? Yes No N/A

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/Discrpancy:
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 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 -Pace Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
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: <u>W</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: _____

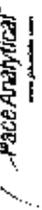
Project Manager SCURF Review: _____

Date: _____

Project Manager SRF Review: _____

Date: _____

Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-228
 Analysis: VAL
 Date: 10/11/2021
 Worksheet: 62850
 Matrix: WWT

Method Blank Assessment

MB Sample ID	2247073
MB Concentration	0.306
MB 2 Sigma CSU	0.283
MB MDC	0.572
MB Numerical Performance Indicator	2.12
MB Status vs Numerical Indicator	Warning
MB Status vs MDC	Pass

Laboratory Control Sample Assessment

Count Data Spike I.D.	Y
10/4/2021	LCS062850
21-029	37.973
0.10	0.10
0.805	0.816
4.716	4.653
0.231	0.228
5.361	4.280
1.173	0.992
1.06	-0.72
113.68%	91.98%
N/A	N/A
Pass	Pass
135%	135%
60%	60%

Duplicate Sample Assessment

Sample I.D.	Duplicate Sample I.D.	Sample Result (pCt, g, F)	Duplicate Result (pCt, g, F)	Sample Duplicate Result (pCt, g, F)	Sample Duplicate Result 2 Sigma CSU (pCt, g, F)	Are sample and/or duplicate results below RL?	Duplicate Numerical Performance Indicator	Duplicate Status vs Numerical Indicator
LCS02850	LCS062850	5.361	1.173	4.280	0.992	NO	1.380	21.11%
Pass	Pass	35%	35%					

Sample Matrix Spike Control Assessment

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

Matrix Spike/Matrix Duplicate Sample Assessment

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

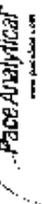
* Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

*RELATIO
 DW*

[Handwritten signature]

Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-228
 Analyst: VAL
 Date: 10/1/2021
 Worksheet: 62852
 Matrix: WT

Method Blank Assessment	
MB Sample ID	224-1079
MB Concentration	0.625
MB 2 Sigma CSU	0.317
MB MDC	0.544
MB Numerical Performance Indicator	3.06
MB Status vs Numerical Indicator:	Fail*
MB Status vs MDC:	See Comment

Laboratory Control Sample Assessment	
ICSD (Y or N)?	Y
LCSD 2852	10/6/2021
LCSD 2652	10/8/2021
Count Date:	21-029
Spike ID:	37-949
Decay Corrected Spike Concentration (pCi/ml):	0.20
Volume Used (mL):	0.20
Aliquot Volume (L, g, F):	0.809
Target Conc (pCi/L, g, F):	9.379
Uncertainty (Calculated):	0.460
Result (pCi/L, g, F):	8.389
LCSD CSU 2 Sigma CSU (pCi/L, g, F):	1.704
Numerical Performance Indicator:	-1.07
Status vs Numerical Indicator:	Fail
Status vs Recovery:	89.73%
Upper % Recovery Limits:	135%
Lower % Recovery Limits:	60%

Duplicate Sample Assessment	
Sample ID:	LC562852
Duplicate Sample ID:	LCSD62852
Sample Result (pCi/L, g, F):	8.389
Sample Result 2 Sigma CSU (pCi/L, g, F):	1.704
Sample Duplicate Result (pCi/L, g, F):	7.162
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.451
Are sample and/or duplicate results below HL?	NO
Duplicate Numerical Performance Indicator:	1.075
Duplicate Percent Recoveries:	16.10%
Duplicate Status vs Numerical Indicator:	Pass
Duplicate Status vs RPD:	Pass
% RPD Limit:	36%

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

Comments:

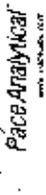
*The method blank result is below the reporting limit for this analysis and is acceptable

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
<p>Sample Collection Date</p> <p>Sample I.D.</p> <p>Sample MS ID</p> <p>Sample MSD ID</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>Sample 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>		

Matrix Spike/Matrix Spike Duplicate Sample Assessment
<p>Sample I.D.</p> <p>Sample MS ID</p> <p>Sample MSD ID</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>Duplicate Numerical Performance Indicator:</p> <p>(Based on the Percent Recoveries) MS/MSD Duplicate RPD:</p> <p>MS/MSD Duplicate Status vs Numerical Indicator:</p> <p>MS/MSD Duplicate Status vs RPD:</p> <p>% RPD Limit:</p>

Fail

Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-226
 Analyst: JULY
 Date: 10/14/2021
 Worksheet: 63017
 Matrix: DW

Method Blank Assessment

MB Sample ID	225015
MB Concentration	0.028
MB Counting Uncertainty	0.142
MB MDC	0.353
MB Numerical Performance Indicator	0.38
MB Status vs Numerical Indicator	N/A
MB Status vs MDC	Pass

Laboratory Control Sample Assessment

LCS ID (Y or N)?	Y
LCS63017	LCS063017
Count Date	10/19/2021
Spike ID:	19-033
Decay Corrected Spike Concentration (pCi/mL):	24.033
Volume Used (mL):	0.10
Aliquot Volume (L, g, F):	0.503
Target Conc. (pCi/L, g, F):	4.780
Uncertainty (Calculated):	0.057
Result (pCi/L, g, F):	5.814
LCS/LCSD Counting Uncertainty (pCi/L, g, F):	0.601
Numerical Performance Indicator:	3.38
Percent Recovery	121.64%
Status vs Numerical Indicator:	N/A
Status vs Recovery	Pass
Upper % Recovery Limit:	125%
Lower % Recovery Limit:	75%

Duplicate Sample Assessment

Sample ID	Duplicate Sample ID
LCS63017	LCS063017
LCS063017	92561311068
Sample Result (pCi/L, g, F):	5.814
Sample Duplicate Result (pCi/L, g, F):	0.601
Sample Duplicate Result (pCi/L, g, F):	5.134
Sample Duplicate Result (pCi/L, g, F):	0.672
Are sample and/or duplicate results below RL?	NO
Duplicate Numerical Performance Indicator:	1.607
Duplicate Percent Recoveries:	12.66%
Duplicate Status vs Numerical Indicator:	N/A
Duplicate Status vs RPD:	Pass
% RPD Limit:	25%

Sample Matrix Spike Control Assessment

Sample Collection Date	MSMSD 1	MSMSD 2
Sample ID		
Sample MS ID		
Sample MSD ID		
Spike ID:		
MSMSD Decay Corrected Spike Concentration (pCi/mL)		
Spike Volume Used in MS (mL):		
Spike Volume Used in MS0 (mL):		
MS Aliquot (L, g, F):		
MS Target Conc. (pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc. (pCi/L, g, F):		
MS Spike Uncertainty (Calculated)		
MSD Spike Uncertainty (Calculated)		
Sample Result		
Sample Result Counting Uncertainty (pCi/L, g, F)		
Sample Matrix Spike Result		
Sample Matrix Spike Counting Uncertainty (pCi/L, g, F)		
Sample Matrix Spike Duplicate Result:		
Sample Matrix Spike Duplicate Counting Uncertainty (pCi/L, g, F):		
MS Numerical Performance Indicator:		
MSD Numerical Performance Indicator:		
MS Percent Recovery:		
MSD Percent Recovery:		
MS Status vs Numerical Indicator:		
MSD Status vs Numerical Indicator:		
MS Status vs Recovery:		
MSD Status vs Recovery:		
MS/MSD Upper % Recovery Limit:		
MS/MSD Lower % Recovery Limit:		

Matrix Spike/Matrix Spike Duplicate Sample Assessment

Sample ID	Sample MS ID	Sample MSD ID
Matrix Spike Result Counting Uncertainty (pCi/L, g, F):		
Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):		
Duplicate Numerical Performance Indicator:		
Duplicate Percent Recoveries:		
MS/MSD Duplicate Status vs Numerical Indicator:		
MS/MSD Duplicate Status vs RPD:		
% RPD Limit:		

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

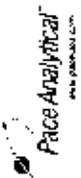
Comments:

10/14/2021

Quality Control Sample Performance Assessment

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-226
 Analyst: JJY
 Date: 10/5/2021
 Worksheet: 62912
 Matrix: DW



Method Blank Assessment	
MB Sample ID	2251636
MB Concentration	0.284
MB Counting Uncertainty	0.225
MB MDC	0.421
MR Numerical Performance Indicator	2.47
MB Status vs Numerical Indicator	N/A
MB Status vs MDC	Pass

Laboratory Control Sample Assessment	LCSID (Y or N)?		Y
	LCSID	Y or N?	
Decay Corrected Spike Concentration (pCi/mL)	Count Date	LCS062912	10/8/2021
	Spike ID	19-033	24.033
	Volume Used (mL)	0.10	0.10
	Aliquot Volume (L, g, F)	0.505	0.513
	Target Conc. (pCi/L, g, F)	4.782	4.681
LCS/LCSO Countline Uncertainty (pCi/L, g, F)	Uncertainty (Calculated)	0.057	0.056
	Result (pCi/L, g, F)	3.783	4.467
	Percent Recovery	-3.09	-0.63
	Status vs Numerical Indicator	79.43%	95.43%
	Status vs Recovery	N/A	Pass
Upper % Recovery Limits		125%	125%
	Lower % Recovery Limits		75%

Duplicate Sample Assessment	LCSID		Y
	LCSID	Y or N?	
Sample Result Counting Uncertainty (pCi/L, g, F)	Sample ID	LCS062912	92561675014
	Duplicate Sample ID		82561676014DUP
	Sample Result (pCi/L, g, F)	3.783	0.346
	Sample Duplicate Result (pCi/L, g, F)	0.618	0.147
	Sample Duplicate Result Counting Uncertainty (pCi/L, g, F)	4.467	0.198
Are sample and/or duplicate results below RL?	Duplicate Result (pCi/L, g, F)	0.667	0.131
	Duplicate Numerical Performance Indicator	NO	See Below #r
	Duplicate Numerical Performance Indicator (Based on the LCS/LCSO Percent Recoveries)	-1.476	1.469
	Duplicate Status vs Numerical Indicator	18.28%	54.06%
	Duplicate Status vs Recovery	N/A	N/A
Upper % Recovery Limits		Pass	Fail***
	Lower % Recovery Limits	25%	25%

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

Comments:

*** System says Lab 10-50100001 due to unacceptable precision N/A

LAM 10/20/21

Handwritten signature/initials

LAM 10/20/21

Quality Control Sample Performance Assessment

Analyst *Must Manually Enter All Fields Highlighted in Yellow.*

Test: Ra-226
Analyst: CLA
Date: 9/28/2021
Worksheet: 62851
Matrix: DW



Method Blank Assessment	
MB Sample ID	224-1077
MB Concentration:	-0.028
MFR Counting Uncertainty:	0.217
MB MDC:	0.589
MB Numerical Performance Indicator:	-0.25
MB Status vs Numerical Indicator:	N/A
MB Status vs MDC:	Pass

Laboratory Control Sample Assessment	LCS ID or #17		Y
	LCS062851	LCS062851	
Count Date:	10/7/2021	10/7/2021	
Spike I.D.:	19-033	19-033	
Decay Corrected Spike Concentration (pCi/ml)	24.033	24.033	
Volume Used (mL)	0.10	0.10	
Aliquot Volume (L, g, F)	0.508	0.508	
Target Conc. (pCi/L, g, F)	4.792	4.734	
Uncertainty (Calculated)	0.098	0.087	
Result (pCi/L, g, F)	4.037	4.418	
LCS01 CSO Counting Uncertainty (pCi/L, g, F)	0.623	0.646	
Numerical Performance Indicator	-2.37	-0.95	
Percent Recovery:	84.25%	93.33%	
Status vs Numerical Indicator:	N/A	N/A	
Status vs Recovery:	Pass	Pass	
Upper % Recovery Limits:	125%	125%	
Lower % Recovery Limits:	75%	75%	

Duplicate Sample Assessment	LCS ID or #17		Y
	LCS062851	LCS062851	
Sample I.D.:	92560766014	92560765014DUP	
Duplicate Sample I.D.:	0.428	0.225	
Sample Result (pCi/L, g, F)	0.623	0.418	
Sample Result Counting Uncertainty (pCi/L, g, F)	0.044	0.185	
Sample Duplicate Result (pCi/L, g, F)	N/A	1.678 OK	
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F)	-0.832	82.99%	
Ave sample and/or duplicate results below RL?	N/A	N/A	
Duplicate Numerical Performance Indicator	Pass	Fail**	
(Based on the LCS01 CSO Percent Recovery)	10.22%	26%	
Duplicate Status vs Numerical Indicator	Pass	Fail**	
Duplicate Status vs MDC:	25%	26%	

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

Comments:

*** Right must be supported due to www.electroretro.com

L-MSDS N/A

10/20/21
CWA
MDC

Sample Matrix Spike Control Assessment	MSMSD 1	MSMSD 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>MSMSD 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 Counting Uncertainty (pCi/L, g, F)</p> <p>Sample Matrix Spike Result</p> <p>Matrix Spike Result Counting Uncertainty (pCi/L, g, F)</p> <p>Matrix Spike Duplicate Result</p> <p>Sample Matrix Spike Duplicate Result</p> <p>Matrix Spike Duplicate Result Counting Uncertainty (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>MSMSD Upper % Recovery Limits:</p> <p>MSMSD Lower % Recovery Limits:</p>		

Matrix Spike/Matrix Spike Duplicate Sample Assessment
<p>Sample I.D.:</p> <p>Sample MS I.D.:</p> <p>Sample MSD I.D.:</p> <p>Sample Matrix Spike Result</p> <p>Matrix Spike Result Counting Uncertainty (pCi/L, g, F)</p> <p>Sample Matrix Spike Duplicate Result</p> <p>Matrix Matrix Spike Duplicate Result</p> <p>Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F)</p> <p>Duplicate Numerical Performance Indicator</p> <p>(Based on the Percent Recovery)</p> <p>MS: MSD Duplicate Status vs Numerical Indicator</p> <p>MS: MSD Duplicate Status vs Numerical Indicator</p> <p>MS: MSD Duplicate Status vs Recovery</p> <p>MS: MSD Duplicate Status vs Recovery Limits:</p>

LAM 10/17/21

Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-226
Analyst: SLC
Date: 9/28/2021
Worksheet: 62849
Matrix: DW

Method Blank Assessment	MS/MSD 1	MS/MSD 2
MB Sample ID: 224-072		
MB Concentration: 0.007		
MB Counting Uncertainty: 0.168		
MB MDC: 0.443		
MB Numerical Performance Indicator: 0.08		
MB Status vs Numerical Indicator: N/A		
MB Status vs MDC: Pass		

Laboratory Control Sample Assessment	MS/MSD 1	MS/MSD 2
Count Date: 10/6/2021		
Spike ID: 19-033		
Decay Corrected Spike Concentration (pCi/mL): 24.033		
Volume Used (mL): 0.10		
Aliquot Volume (L, g, F): 0.503		
Target Conc (pCi/L, g, F): 4.779		
Uncertainty (Calculated): 0.057		
Result (pCi/L, g, F): 5.249		
LCS/LCSD Counting Uncertainty (pCi/L, g, F): 0.691		
Numerical Performance Indicator: 1.33		
Percent Recovery: 109.83%		
Status vs Numerical Indicator: N/A		
Status vs Recovery: Pass		
Upper % Recovery Limits: 125%		
Lower % Recovery Limits: 75%		

Duplicate Sample Assessment	MS/MSD 1	MS/MSD 2
Sample ID: LCS062849		
Duplicate Sample ID: LCS062849		
Sample Result (pCi/L, g, F): 5.249		
Sample Duplicate Result (pCi/L, g, F): 5.216		
Sample Duplicate Counting Uncertainty (pCi/L, g, F): 0.720		
Are sample and/or duplicate results below RL? NO		
Duplicate Numerical Performance Indicator: 0.680		
(Based on the LCS/LCSD Percent Recoveries) Duplicate IIR: 0.82%		
Duplicate Status vs Numerical Indicator: N/A		
Duplicate Status vs RPD: Pass		
% RPD Limit: 25%		

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date: Sample ID: Sample MS ID: Sample MSD ID: Spike I.D.:		
MS/MSD Decay Carried 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): MS Spike Uncertainty (Calculated): MSD Spike Uncertainty (Calculated):		
Sample Result Counting Uncertainty (pCi/L, g, F): Sample Matrix Spike Result: Matrix Spike Result Counting Uncertainty (pCi/L, g, F): Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F): MS Numerical Performance Indicator: MSD Numerical Performance Indicator:		
MS Percent Recovery: MSD Percent Recovery: MS Status vs Numerical Indicator: MSD Status vs Numerical Indicator: MS Status vs Recovery: MSD Status vs Recovery: MS/MSD Upper % Recovery Limit: MS/MSD Lower % Recovery Limit:		

Matrix Spike/Matrix Spike Duplicate Sample Assessment	MS/MSD 1	MS/MSD 2
Sample ID: Sample MS ID: Sample MSD ID:		
Matrix Spike Result Counting Uncertainty (pCi/L, g, F): Sample Matrix Spike Duplicate Result: Sample Matrix Spike Duplicate Result Counting Uncertainty (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:		

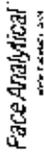
*** Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC

Comments:

... Results are acceptable due to acceptable precision N/A

17/10/2021 10:01 AM

Quality Control Sample Performance Assessment



Analyst: Must Manually Enter All Fields Highlighted in Yellow

Test: Ra-226
Analyst: SLC
Date: 9/27/2021
Worklist: 62R47
Matrix: DJW

Method/Bike Assessment	MB Sample IC
MB Concentration	2247068
MB Counting Uncertainty	0.189
MB MDC	0.175
MB Numerical Performance Indicator	0.337
MB Status vs. Numerical Indicator	2.07
MB Status vs. MDC	N/A
	Pass

Laboratory Control Sample Assessment	LCSID (Y or N)?		Y
	LCS62847	LCS062847	
Decay Corrected Spike Concentration (pCi/mL)	Count Date	10/6/2021	10/6/2021
	Spike I.D.	19-033	19-033
	Volume Used (mL)	0.10	24.033
	Aliquot Volume (L, g, F)	0.509	0.10
	Target Conc. (pCi/L, g, F)	4.719	4.738
LCS/LCSD Counting Uncertainty (pCi/L, g, F)	Result (Calculated)	0.057	0.057
	Result (pCi/L, g, F)	4.606	4.836
	Uncertainty (Calculated)	0.693	0.670
	Uncertainty (pCi/L, g, F)	-0.32	-0.30
	Numerical Performance Indicator	97.60%	97.80%
Status vs Numerical Indicator	Percent Recovery	Pass	Pass
	Status vs Recovery	N/A	N/A
	Upper % Recovery Limit	125%	125%
	Lower % Recovery Limit	75%	75%
		Pass	Pass

Duplicate Sample Assessment	LCSID (Y or N)?		Y
	LCS62847	LCS062847	
Sample I.D.	Duplicate Sample I.D.	92560765023	92560765023
	Sample Result (pCi/L, g, F)	4.696	4.816
	Sample Duplicate Result (pCi/L, g, F)	0.693	0.272
	Sample Duplicate Result Uncertainty (pCi/L, g, F)	1.636	0.488
	Sample Duplicate Result Counting Uncertainty (pCi/L, g, F)	0.070	0.268
Are sample and/or duplicate results below RLL?	Duplicate Numerical Performance Indicator	NO	See Below ##
	Duplicate Percent Recovery	0.641	0.372
	Duplicate Status vs Numerical Indicator	0.27%	16.04%
	Duplicate Status vs RPD	N/A	N/A
	% RPD Limit	Pass	Pass

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

Comments:

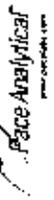
Sample Matrix Spike Control Assessment	MSMSD 1	MSMSD 2
<p>Sample Collection Date</p> <p>Sample I.D.</p> <p>Sample MS I.D.</p> <p>Sample MSD I.D.</p> <p>Spike I.D.</p> <p>Spike Volume Used in MS (mL)</p> <p>Spike Volume Used in MSD (mL)</p> <p>MS Aliquot (L, g, F)</p> <p>MS Target Conc. (pCi/L, g, F)</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 Counting Uncertainty (pCi/L, g, F)</p> <p>Sample Matrix Spike Result</p> <p>Matrix Spike Result Counting Uncertainty (pCi/L, g, F)</p> <p>Sample Matrix Spike Duplicate Result</p> <p>Matrix Spike Duplicate Result Counting Uncertainty (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>MSMSD Upper % Recovery Limit</p> <p>MSMSD Lower % Recovery Limit</p>		

Matrix Spike/Matrix Spike Duplicate Sample Assessment
<p>Sample I.D.</p> <p>Sample MS I.D.</p> <p>Sample MSD I.D.</p> <p>Sample Matrix Spike Result</p> <p>Matrix Spike Result Counting Uncertainty (pCi/L, g, F)</p> <p>Sample Matrix Spike Duplicate Result</p> <p>Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F)</p> <p>Duplicate Numerical Performance Indicator</p> <p>Duplicate Percent Recovery</p> <p>MSI/MSD Duplicate RPD</p> <p>(Based on the Percent Recoveries)</p> <p>MSI/MSD Duplicate Status vs Numerical Indicator</p> <p>MSI/MSD Duplicate Status vs RPD</p> <p>% RPD Limit</p>

10/6/21

10/6/21

Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: Re-228
 Analyst: VAL
 Date: 10/9/2021
 Worksheet: 62922
 Matrix: WT

Method Blank Assessment

MB Sample ID	2252279
MB Concentration	0.420
MB 2 Sigma CSU	0.967
MB MOC	0.738
MB Numerical Performance Indicator	2.25
MB Status vs Numerical Indicator	Warning
MB Status vs MDC	Pass

Laboratory Control Sample Assessment

LCSD ID or MBP	Y
LCSD62922	10/7/2021
LCSD62922	21-020
Count Date	37.936
Spikes I.D.	0.10
Decay Corrected Spikes Concentration (pCi/mL)	0.810
Volume Used (mL)	4.684
Aliquot Volume (L, g, F)	0.229
Target Conc (pCi/L, g, F)	4.993
Uncertainty (Calculated)	1.158
Result (pCi/L, g, F)	1.27
LCSD (CSU) (pCi/L, g, F)	116.98%
Numerical Performance Indicator	N/A
Status vs Numerical Indicator	Pass
Percent Recovery	135%
Status vs Recovery	Pass
Upper % Recovery Limit	60%
Lower % Recovery Limit	60%

Duplicate Sample Assessment

Sample I.D.	Duplicate Sample I.D.	Sample Result 2 Sigma CSU (pCi/L, g, F)	Sample Duplicate Result (pCi/L, g, F)	Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F)	Agg sample and/or duplicate results below RLP	Duplicate Numerical Performance Indicator	Duplicate (Percent Recoveries) Duplicate RPD	Duplicate Status vs Numerical Indicator	Duplicate Status vs RPD	% RPD Limit
LCSD62922	LCSD62922	4.993	1.158	5.479	NO	0.571	9.28%	Pass	Pass	35%

Enter Duplicate sample IDs if other than LCSD in the space below

Sample Matrix Spike Control Assessment

Sample Collection Date	Sample I.D.	Sample MS I.D.	Sample MSO I.D.	Spikes I.D.	MISM/D 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	MISM/D Upper % Recovery Limit	MISM/D Lower % Recovery Limit	MISM/D 1	MISM/D 2	

Matrix Spike/Matrix Spike Duplicate Sample Assessment

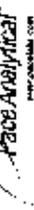
Sample I.D.	Sample MS I.D.	Sample MSO I.D.	Sample Matrix Spike Result	Matrix Spike Result 2 Sigma CSU (pCi/L, g, F)	Sample Matrix Spike Duplicate Result	Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F)	Duplicate Numerical Performance Indicator	Duplicate (Percent Recoveries) MS/MSD Duplicate RPD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

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

Comments:

Original

Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: **Re-228**
 Analyst: **JC2**
 Date: **10/17/2021**
 Worksheet: **62848**
 Matrix: **WI**

Method Blank Assessment	
MB Sample ID	2247069
MB Concentration:	0.208
MB 2 Sigma CSU:	0.287
MB MDC:	0.612
MB Numerical Performance Indicator	1.43
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCS# (Y or N/P)	
	LCS#2848	LCS#62848
Count Data	10/4/2021	10/4/2021
Decay Corrected Spike Concentration (pCi/mL)	21.029	21.029
Spike I.D.	37.973	37.973
Volume Used (mL)	0.10	0.10
Aliquot Volume (L, g, F)	0.807	0.812
Target Conc (pCi/L, g, F)	4.703	4.876
Uncertainty (Calculated)	0.236	0.229
Result (pCi/L, g, F)	3.772	4.931
LCS#1.CSD 2 Sigma CSU (pCi/L, g, F)	0.892	1.094
Numerical Performance Indicator	-1.98	0.45
Percent Recovery	80.20%	105.45%
Status vs Numerical Indicator	Pass	N/A
Status vs Recovery	Pass	Pass
Upper % Recovery Limit:	135%	135%
Lower % Recovery Limit:	60%	60%

Duplicate Sample Assessment	LCS#2848	LCS#62848	Criteria Duplicate sample IDs if other than LCS#1.CSD in the space below.
Sample ID:			
Duplicate Sample ID:			
Sample Result (pCi/L, g, F):	3.772		
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.892		
Sample Duplicate Result (pCi/L, g, F):	4.931		
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.094		
Are sample and/or duplicate results below RL?	NO		
Duplicate Numerical Performance Indicator:	-1.609		
(Based on the LCS#1.CSD Percent Recoveries) Duplicate RPD:	27.20%		
Duplicate Status vs Numerical Indicator:	Pass		
Duplicate Status vs RPD:	Pass		
% RPD Limit:	36%		

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

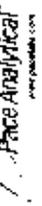
Comments:

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date		
Sample ID		
Sample MS ID		
Sample MSD ID		
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 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 Limit:		
MS/MSD Lower % Recovery Limit:		

Matrix Spike/Matrix Spike Duplicate Sample Assessment
Sample ID:
Sample MS ID:
Sample MSD ID:
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:
(Based on the Percent Recoveries) MS/MSD Duplicate RPD:
MS/MSD Duplicate Status vs Numerical Indicator:
MS/MSD Duplicate Status vs RPD:
% RPD Limit:

10/10/21
 JC2

Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-228
Analyst: VAL
Date: 3/28/2021
Worksheet: 62846
Matrix: WT

Method Blank Assessment	
MB Sample ID	247067
MB Concentration:	0.364
MB 2 Sigma CSU:	0.366
MB MDC:	0.896
MB Numerical Performance Indicator:	2.96
MB Status vs. Numerical Indicator:	Warning
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	
LCSD (Y or N)?	Y
LCSD2846	LCSD2846
9/30/2021	9/30/2021
21-029	21-029
38.024	38.024
0.10	0.10
0.813	0.807
4.674	4.710
0.229	0.231
5.375	5.762
1.261	1.275
1.12	1.58
114.95%	122.14%
N/A	N/A
Pass	Pass
135%	135%
60%	60%

Duplicate Sample Assessment	
Sample ID:	LCSD2846
Duplicate Sample ID:	LCSD2846
Sample Result (pCi/L, g, F):	5.375
Sample Duplicate Result (pCi/L, g, F):	1.201
Sample Duplicate Result (pCi/L, g, F):	5.752
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.275
Ave sample and/or duplicate results below RL?	NO
Duplicate Numerical Performance Indicator:	-0.422
(Based on the LCSD/CSU Percent Recoveries) Duplicate RPO:	0.03%
Duplicate Status vs Numerical Indicator:	Pass
Duplicate Status vs RPO:	Pass
% RPD Limit:	36%

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

Comments:

Warning

Sample Matrix Spike Control Assessment	
Sample Collection Date:	Sample ID:
Sample MS ID:	Sample MS ID:
Sample MSD ID:	Sample MSD ID:
Spike ID:	Spike ID:
MSMSD 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):
MS Spike Uncertainty (calculated):	MSD Spike Uncertainty (calculated):
MS Spike Uncertainty (calculated):	Sample Result:
MSD Spike Uncertainty (calculated):	Sample Result 2 Sigma CSU (pCi/L, g, F):
MS Spike Uncertainty (calculated):	Sample Matrix Spike Result:
MSD Spike Uncertainty (calculated):	Sample Matrix Spike Duplicate Result:
MS Spike Uncertainty (calculated):	Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):
MSD Spike Uncertainty (calculated):	MS Numerical Performance Indicator:
MS Spike Uncertainty (calculated):	MS Percent Recovery:
MSD Spike Uncertainty (calculated):	MS Percent Recovery:
MS Spike Uncertainty (calculated):	MS Status vs Numerical Indicator:
MSD Spike Uncertainty (calculated):	MS Status vs Numerical Indicator:
MS Spike Uncertainty (calculated):	MS Status vs Recovery:
MSD Spike Uncertainty (calculated):	MSMSD Upper % Recovery Limit:
MS Spike Uncertainty (calculated):	MSMSD Lower % Recovery Limit:
MSD Spike Uncertainty (calculated):	MSMSD Lower % Recovery Limit:

Matrix Spike/Matrix Spike Duplicate Sample Assessment	
Sample ID:	Sample MS ID:
Sample MS ID:	Sample MSO ID:
Sample MSO ID:	Sample Matrix Spike Result:
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:
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 RPO:
MS/MSD Duplicate Status vs Numerical Indicator:	MS/MSD Duplicate Status vs RPO:
MS/MSD Duplicate Status vs RPO:	% RPD Limit:

October 22, 2021

Joju Abraham
Georgia Power-CCR
2480 Maner Road
Atlanta, GA 30339

RE: Project: MCDONOUGH PIEZOMETERS
Pace Project No.: 92560139

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between September 09, 2021 and September 10, 2021. 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 - Charlotte
- Pace Analytical Services - Peachtree Corners, GA

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

Sincerely,



Nicole D'Oleo
nicole.d'oleo@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Stephen Benda
Daniela Herrera, Golder
Ben Hodges, Georgia Power
Kristen Jurinko
J. Shelby Mobley
Charles Norton, Southern Company
Ms. Lauren Petty, Southern Company
Dawn Prell, Golder Associates Inc.
Tim Richards, Golder Associates - Atlanta



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MCDONOUGH PIEZOMETERS

Pace Project No.: 92560139

Pace Analytical Services Charlotte

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078
Louisiana/NELAP Certification # LA170028
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12

South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Virginia/VELAP Certification #: 460221

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 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

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SAMPLE SUMMARY

Project: MCDONOUGH PIEZOMETERS
Pace Project No.: 92560139

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92560139001	B-117D	Water	09/08/21 16:15	09/09/21 08:45
92560139002	B-118	Water	09/08/21 13:35	09/09/21 08:45
92560139003	B-119D	Water	09/08/21 15:17	09/09/21 08:45
92560139004	B-116D	Water	09/09/21 13:53	09/10/21 17:40

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SAMPLE ANALYTE COUNT

Project: MCDONOUGH PIEZOMETERS

Pace Project No.: 92560139

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92560139001	B-117D	EPA 6010D	KH	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92560139002	B-118	EPA 6010D	KH	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92560139003	B-119D	EPA 6010D	KH	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92560139004	B-116D	EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3

PASI-A = Pace Analytical Services - Asheville

PASI-C = Pace Analytical Services - Charlotte

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MCDONOUGH PIEZOMETERS

Pace Project No.: 92560139

Sample: B-117D		Lab ID: 92560139001		Collected: 09/08/21 16:15	Received: 09/09/21 08:45	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/09/21 10:18		
pH	6.00	Std. Units			1		09/09/21 10:18		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	11.3	mg/L	1.0	0.12	1	09/11/21 09:00	09/13/21 16:48	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/11/21 09:00	09/14/21 19:14	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	09/11/21 09:00	09/14/21 19:14	7440-38-2	
Barium	0.048	mg/L	0.0050	0.00067	1	09/11/21 09:00	09/14/21 19:14	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	09/11/21 09:00	09/14/21 19:14	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	09/11/21 09:00	09/14/21 19:14	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/11/21 09:00	09/14/21 19:14	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/11/21 09:00	09/14/21 19:14	7440-47-3	
Cobalt	0.00043J	mg/L	0.0050	0.00039	1	09/11/21 09:00	09/14/21 19:14	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/11/21 09:00	09/14/21 19:14	7439-92-1	
Lithium	0.0069J	mg/L	0.030	0.00073	1	09/11/21 09:00	09/14/21 19:14	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/11/21 09:00	09/14/21 19:14	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/11/21 09:00	09/14/21 19:14	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/11/21 09:00	09/14/21 19:14	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.000078	1	09/21/21 07:00	09/21/21 11:48	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	152	mg/L	10.0	10.0	1		09/15/21 18:56		
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		09/13/21 00:45	16887-00-6	
Fluoride	0.058J	mg/L	0.10	0.050	1		09/13/21 00:45	16984-48-8	
Sulfate	31.1	mg/L	1.0	0.50	1		09/13/21 00:45	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MCDONOUGH PIEZOMETERS
Pace Project No.: 92560139

Sample: B-118		Lab ID: 92560139002		Collected: 09/08/21 13:35	Received: 09/09/21 08:45	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/09/21 10:18		
pH	6.01	Std. Units			1		09/09/21 10:18		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	5.0	mg/L	1.0	0.12	1	09/11/21 09:00	09/13/21 16:53	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/11/21 09:00	09/14/21 19:19	7440-36-0	
Arsenic	0.0011J	mg/L	0.0050	0.0011	1	09/11/21 09:00	09/14/21 19:19	7440-38-2	
Barium	0.021	mg/L	0.0050	0.00067	1	09/11/21 09:00	09/14/21 19:19	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	09/11/21 09:00	09/14/21 19:19	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	09/11/21 09:00	09/14/21 19:19	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/11/21 09:00	09/14/21 19:19	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/11/21 09:00	09/14/21 19:19	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	09/11/21 09:00	09/14/21 19:19	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/11/21 09:00	09/14/21 19:19	7439-92-1	
Lithium	0.0028J	mg/L	0.030	0.00073	1	09/11/21 09:00	09/14/21 19:19	7439-93-2	
Molybdenum	0.0056J	mg/L	0.010	0.00074	1	09/11/21 09:00	09/14/21 19:19	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/11/21 09:00	09/14/21 19:19	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/11/21 09:00	09/14/21 19:19	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	0.000078	1	09/21/21 07:00	09/21/21 11:51	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	65.0	mg/L	10.0	10.0	1		09/15/21 18:56		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	3.0	mg/L	1.0	0.60	1		09/13/21 01:00	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		09/13/21 01:00	16984-48-8	
Sulfate	0.99J	mg/L	1.0	0.50	1		09/13/21 01:00	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MCDONOUGH PIEZOMETERS

Pace Project No.: 92560139

Sample: B-119D		Lab ID: 92560139003		Collected: 09/08/21 15:17		Received: 09/09/21 08:45		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/09/21 10:19		
pH	6.88	Std. Units			1		09/09/21 10:19		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	20.2	mg/L	1.0	0.12	1	09/11/21 09:00	09/13/21 16:57	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.00087J	mg/L	0.0030	0.00078	1	09/11/21 09:00	09/14/21 19:25	7440-36-0	
Arsenic	0.0014J	mg/L	0.0050	0.0011	1	09/11/21 09:00	09/14/21 19:25	7440-38-2	
Barium	0.0080	mg/L	0.0050	0.00067	1	09/11/21 09:00	09/14/21 19:25	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	09/11/21 09:00	09/14/21 19:25	7440-41-7	
Boron	0.018J	mg/L	0.040	0.0086	1	09/11/21 09:00	09/14/21 19:25	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/11/21 09:00	09/14/21 19:25	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/11/21 09:00	09/14/21 19:25	7440-47-3	
Cobalt	0.00077J	mg/L	0.0050	0.00039	1	09/11/21 09:00	09/14/21 19:25	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/11/21 09:00	09/14/21 19:25	7439-92-1	
Lithium	0.0028J	mg/L	0.030	0.00073	1	09/11/21 09:00	09/14/21 19:25	7439-93-2	
Molybdenum	0.022	mg/L	0.010	0.00074	1	09/11/21 09:00	09/14/21 19:25	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/11/21 09:00	09/14/21 19:25	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/11/21 09:00	09/14/21 19:25	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	0.000078	1	09/21/21 07:00	09/21/21 11:59	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	191	mg/L	10.0	10.0	1		09/15/21 18:56		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	7.5	mg/L	1.0	0.60	1		09/13/21 01:16	16887-00-6	
Fluoride	0.16	mg/L	0.10	0.050	1		09/13/21 01:16	16984-48-8	
Sulfate	76.2	mg/L	1.0	0.50	1		09/13/21 01:16	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MCDONOUGH PIEZOMETERS
Pace Project No.: 92560139

Sample: B-116D		Lab ID: 92560139004		Collected: 09/09/21 13:53		Received: 09/10/21 17:40		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/13/21 08:34		
pH	6.02	Std. Units			1		09/13/21 08:34		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	9.9	mg/L	1.0	0.12	1	09/17/21 11:09	09/17/21 19:05	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/17/21 11:11	09/17/21 16:17	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	09/17/21 11:11	09/17/21 16:17	7440-38-2	
Barium	0.017	mg/L	0.0050	0.00067	1	09/17/21 11:11	09/17/21 16:17	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	09/17/21 11:11	09/17/21 16:17	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	09/17/21 11:11	09/17/21 16:17	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/17/21 11:11	09/17/21 16:17	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/17/21 11:11	09/17/21 16:17	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	09/17/21 11:11	09/17/21 16:17	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/17/21 11:11	09/17/21 16:17	7439-92-1	
Lithium	0.0055J	mg/L	0.030	0.00073	1	09/17/21 11:11	09/17/21 16:17	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/17/21 11:11	09/17/21 16:17	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/17/21 11:11	09/17/21 16:17	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/17/21 11:11	09/17/21 16:17	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.000078	1	09/21/21 07:00	09/21/21 12:01	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	93.0	mg/L	10.0	10.0	1		09/15/21 18:58		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	2.7	mg/L	1.0	0.60	1		09/15/21 06:23	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		09/15/21 06:23	16984-48-8	
Sulfate	0.73J	mg/L	1.0	0.50	1		09/15/21 06:23	14808-79-8	

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QUALITY CONTROL DATA

Project: MCDONOUGH PIEZOMETERS

Pace Project No.: 92560139

QC Batch: 646610	Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A	Analysis Description: 6010D ATL
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92560139001, 92560139002, 92560139003

METHOD BLANK: 3391819 Matrix: Water

Associated Lab Samples: 92560139001, 92560139002, 92560139003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	09/13/21 14:48	

LABORATORY CONTROL SAMPLE: 3391820

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.1	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3391821 3391822

Parameter	Units	92558259010		3391821		3391822		% Rec Limits	RPD	Max RPD	Qual	
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MSD Result					
Calcium	mg/L	1.4	1	1	1	2.5	2.5	106	109	75-125	1	20

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QUALITY CONTROL DATA

Project: MCDONOUGH PIEZOMETERS

Pace Project No.: 92560139

QC Batch: 648035	Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A	Analysis Description: 6010D ATL
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92560139004

METHOD BLANK: 3398813 Matrix: Water

Associated Lab Samples: 92560139004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	09/17/21 18:21	

LABORATORY CONTROL SAMPLE: 3398814

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3398815 3398816

Parameter	Units	3398815		3398816		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Calcium	mg/L	18.3	1	1	18.8	19.3	57	102	75-125	2	20 M1

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QUALITY CONTROL DATA

Project: MCDONOUGH PIEZOMETERS
Pace Project No.: 92560139

QC Batch: 646612 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92560139001, 92560139002, 92560139003

METHOD BLANK: 3391827 Matrix: Water
Associated Lab Samples: 92560139001, 92560139002, 92560139003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	09/14/21 17:25	
Arsenic	mg/L	ND	0.0050	0.0011	09/14/21 17:25	
Barium	mg/L	ND	0.0050	0.00067	09/14/21 17:25	
Beryllium	mg/L	ND	0.00050	0.000054	09/14/21 17:25	
Boron	mg/L	ND	0.040	0.0086	09/14/21 17:25	
Cadmium	mg/L	ND	0.00050	0.00011	09/14/21 17:25	
Chromium	mg/L	ND	0.0050	0.0011	09/14/21 17:25	
Cobalt	mg/L	ND	0.0050	0.00039	09/14/21 17:25	
Lead	mg/L	ND	0.0010	0.00089	09/14/21 17:25	
Lithium	mg/L	ND	0.030	0.00073	09/14/21 17:25	
Molybdenum	mg/L	ND	0.010	0.00074	09/14/21 17:25	
Selenium	mg/L	ND	0.0050	0.0014	09/14/21 17:25	
Thallium	mg/L	ND	0.0010	0.00018	09/14/21 17:25	

LABORATORY CONTROL SAMPLE: 3391828

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.099	99	80-120	
Arsenic	mg/L	0.1	0.099	99	80-120	
Barium	mg/L	0.1	0.096	96	80-120	
Beryllium	mg/L	0.1	0.098	98	80-120	
Boron	mg/L	1	1.0	101	80-120	
Cadmium	mg/L	0.1	0.095	95	80-120	
Chromium	mg/L	0.1	0.094	94	80-120	
Cobalt	mg/L	0.1	0.097	97	80-120	
Lead	mg/L	0.1	0.094	94	80-120	
Lithium	mg/L	0.1	0.099	99	80-120	
Molybdenum	mg/L	0.1	0.098	98	80-120	
Selenium	mg/L	0.1	0.098	98	80-120	
Thallium	mg/L	0.1	0.094	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3391829 3391830

Parameter	Units	92559417001 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Spike Conc.	MSD Spike Conc.	MS Result						
Antimony	mg/L	ND	0.1	0.1	0.10	0.10	101	100	75-125	1	20	
Arsenic	mg/L	ND	0.1	0.1	0.10	0.099	100	98	75-125	1	20	

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QUALITY CONTROL DATA

Project: MCDONOUGH PIEZOMETERS

Pace Project No.: 92560139

Parameter	Units	3391829		3391830		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92559417001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Barium	mg/L	0.028	0.1	0.1	0.13	0.13	98	99	75-125	0	20		
Beryllium	mg/L	0.00016J	0.1	0.1	0.097	0.099	97	98	75-125	2	20		
Boron	mg/L	1.2	1	1	2.3	2.5	92	116	75-125	10	20		
Cadmium	mg/L	ND	0.1	0.1	0.096	0.095	96	95	75-125	1	20		
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	102	101	75-125	0	20		
Cobalt	mg/L	ND	0.1	0.1	0.10	0.098	101	98	75-125	4	20		
Lead	mg/L	ND	0.1	0.1	0.094	0.095	94	95	75-125	1	20		
Lithium	mg/L	0.0014J	0.1	0.1	0.099	0.10	98	102	75-125	4	20		
Molybdenum	mg/L	ND	0.1	0.1	0.10	0.10	102	102	75-125	1	20		
Selenium	mg/L	0.021	0.1	0.1	0.12	0.12	100	101	75-125	1	20		
Thallium	mg/L	ND	0.1	0.1	0.095	0.097	95	97	75-125	2	20		

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QUALITY CONTROL DATA

Project: MCDONOUGH PIEZOMETERS

Pace Project No.: 92560139

QC Batch: 648036

Analysis Method: EPA 6020B

QC Batch Method: EPA 3005A

Analysis Description: 6020 MET

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92560139004

METHOD BLANK: 3398822

Matrix: Water

Associated Lab Samples: 92560139004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	09/17/21 15:37	
Arsenic	mg/L	ND	0.0050	0.0011	09/17/21 15:37	
Barium	mg/L	ND	0.0050	0.00067	09/17/21 15:37	
Beryllium	mg/L	ND	0.00050	0.000054	09/17/21 15:37	
Boron	mg/L	ND	0.040	0.0086	09/17/21 15:37	
Cadmium	mg/L	ND	0.00050	0.00011	09/17/21 15:37	
Chromium	mg/L	ND	0.0050	0.0011	09/17/21 15:37	
Cobalt	mg/L	ND	0.0050	0.00039	09/17/21 15:37	
Lead	mg/L	ND	0.0010	0.00089	09/17/21 15:37	
Lithium	mg/L	ND	0.030	0.00073	09/17/21 15:37	
Molybdenum	mg/L	ND	0.010	0.00074	09/17/21 15:37	
Selenium	mg/L	ND	0.0050	0.0014	09/17/21 15:37	
Thallium	mg/L	ND	0.0010	0.00018	09/17/21 15:37	

LABORATORY CONTROL SAMPLE: 3398823

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	100	80-120	
Arsenic	mg/L	0.1	0.097	97	80-120	
Barium	mg/L	0.1	0.097	97	80-120	
Beryllium	mg/L	0.1	0.097	97	80-120	
Boron	mg/L	1	1.0	101	80-120	
Cadmium	mg/L	0.1	0.099	99	80-120	
Chromium	mg/L	0.1	0.096	96	80-120	
Cobalt	mg/L	0.1	0.10	101	80-120	
Lead	mg/L	0.1	0.095	95	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	0.096	96	80-120	
Thallium	mg/L	0.1	0.094	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3398824 3398825

Parameter	Units	92560138002 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	0.10	0.10	104	103	75-125	0	20	
Arsenic	mg/L	ND	0.1	0.1	0.10	0.099	100	98	75-125	2	20	

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QUALITY CONTROL DATA

Project: MCDONOUGH PIEZOMETERS

Pace Project No.: 92560139

Parameter	Units	3398824		3398825		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		92560138002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Barium	mg/L	0.099	0.1	0.1	0.21	0.20	114	102	75-125	6	20		
Beryllium	mg/L	ND	0.1	0.1	0.091	0.096	91	96	75-125	5	20		
Boron	mg/L	0.065	1	1	0.97	1.0	91	97	75-125	6	20		
Cadmium	mg/L	ND	0.1	0.1	0.10	0.099	101	99	75-125	2	20		
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	103	100	75-125	3	20		
Cobalt	mg/L	0.0064	0.1	0.1	0.11	0.10	105	98	75-125	7	20		
Lead	mg/L	ND	0.1	0.1	0.099	0.099	99	98	75-125	0	20		
Lithium	mg/L	0.0091J	0.1	0.1	0.10	0.11	94	99	75-125	5	20		
Molybdenum	mg/L	0.025	0.1	0.1	0.13	0.12	101	99	75-125	2	20		
Selenium	mg/L	ND	0.1	0.1	0.093	0.095	92	95	75-125	3	20		
Thallium	mg/L	ND	0.1	0.1	0.10	0.10	100	100	75-125	0	20		

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QUALITY CONTROL DATA

Project: MCDONOUGH PIEZOMETERS

Pace Project No.: 92560139

QC Batch: 648334	Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A	Analysis Description: 7470 Mercury
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92560139001, 92560139002, 92560139003, 92560139004

METHOD BLANK: 3400299 Matrix: Water

Associated Lab Samples: 92560139001, 92560139002, 92560139003, 92560139004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000078	09/21/21 10:38	

LABORATORY CONTROL SAMPLE: 3400300

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0025	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3400301 3400302

Parameter	Units	3400301		3400302		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	0.0024	0.0023	92	91	75-125	2	20	

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QUALITY CONTROL DATA

Project: MCDONOUGH PIEZOMETERS

Pace Project No.: 92560139

QC Batch: 647027	Analysis Method: SM 2540C-2011
QC Batch Method: SM 2540C-2011	Analysis Description: 2540C Total Dissolved Solids
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92560139001, 92560139002, 92560139003, 92560139004

METHOD BLANK: 3393790 Matrix: Water
Associated Lab Samples: 92560139001, 92560139002, 92560139003, 92560139004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	09/15/21 18:56	

LABORATORY CONTROL SAMPLE: 3393791

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	390	98	90-111	

SAMPLE DUPLICATE: 3393792

Parameter	Units	92560138001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	75.0	78.0	4	10	

SAMPLE DUPLICATE: 3393793

Parameter	Units	92560281005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	133	139	4	10	

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QUALITY CONTROL DATA

Project: MCDONOUGH PIEZOMETERS
Pace Project No.: 92560139

QC Batch: 646662 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: 92560139001, 92560139002, 92560139003

METHOD BLANK: 3391993 Matrix: Water
Associated Lab Samples: 92560139001, 92560139002, 92560139003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/12/21 19:51	
Fluoride	mg/L	ND	0.10	0.050	09/12/21 19:51	
Sulfate	mg/L	ND	1.0	0.50	09/12/21 19:51	

LABORATORY CONTROL SAMPLE: 3391994

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.2	100	90-110	
Fluoride	mg/L	2.5	2.4	97	90-110	
Sulfate	mg/L	50	51.4	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3391995 3391996

Parameter	Units	92560743001		3391995		3391996		% Rec Limits	RPD	Max RPD	Qual	
		MS Result	MS Spike Conc.	MS Result	MS Spike Conc.	MS Result	MS Spike Conc.					
Chloride	mg/L	298	50	50	346	344	96	91	90-110	1	10	
Fluoride	mg/L	13.7	2.5	2.5	21.8	21.5	326	310	90-110	2	10	M1
Sulfate	mg/L	702	50	50	717	721	28	36	90-110	1	10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3391997 3391998

Parameter	Units	92560743011		3391997		3391998		% Rec Limits	RPD	Max RPD	Qual	
		MS Result	MS Spike Conc.	MS Result	MS Spike Conc.	MS Result	MS Spike Conc.					
Chloride	mg/L	66.1	50	50	144	145	156	158	90-110	1	10	M1
Fluoride	mg/L	3.4	2.5	2.5	1.4	1.4	-81	-79	90-110	4	10	M1
Sulfate	mg/L	82.0	50	50	131	131	98	98	90-110	0	10	

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QUALITY CONTROL DATA

Project: MCDONOUGH PIEZOMETERS
Pace Project No.: 92560139

QC Batch: 647162 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: 92560139004

METHOD BLANK: 3394748 Matrix: Water
Associated Lab Samples: 92560139004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/14/21 22:53	
Fluoride	mg/L	ND	0.10	0.050	09/14/21 22:53	
Sulfate	mg/L	ND	1.0	0.50	09/14/21 22:53	

LABORATORY CONTROL SAMPLE: 3394749

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.4	101	90-110	
Fluoride	mg/L	2.5	2.4	97	90-110	
Sulfate	mg/L	50	50.9	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3394750 3394751

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92560938001	Spike Conc.	Spike Conc.	Result								
Chloride	mg/L	3.0	50	50	58.4	61.9	111	118	90-110	6	10	M1	
Fluoride	mg/L	0.091J	2.5	2.5	3.4	3.5	131	134	90-110	2	10	M1	
Sulfate	mg/L	33.4	50	50	88.5	91.8	110	117	90-110	4	10	M1	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3394752 3394753

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92560676003	Spike Conc.	Spike Conc.	Result								
Chloride	mg/L	146	50	50	196	198	99	105	90-110	1	10		
Fluoride	mg/L	0.29	2.5	2.5	4.9	4.8	184	179	90-110	2	10	M1	
Sulfate	mg/L	140	50	50	193	195	105	109	90-110	1	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3394754 3394755

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92560676001	Spike Conc.	Spike Conc.	Result								
Chloride	mg/L	4.9	50	50	62.8	64.2	116	119	90-110	2	10	M1	
Fluoride	mg/L	0.40	2.5	2.5	3.5	3.6	124	127	90-110	2	10	M1	
Sulfate	mg/L	3.8	50	50	62.4	63.7	117	120	90-110	2	10	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.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: MCDONOUGH PIEZOMETERS

Pace Project No.: 92560139

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

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: MCDONOUGH PIEZOMETERS
Pace Project No.: 92560139

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92560139001	B-117D				
92560139002	B-118				
92560139003	B-119D				
92560139004	B-116D				
92560139001	B-117D	EPA 3010A	646610	EPA 6010D	646635
92560139002	B-118	EPA 3010A	646610	EPA 6010D	646635
92560139003	B-119D	EPA 3010A	646610	EPA 6010D	646635
92560139004	B-116D	EPA 3010A	648035	EPA 6010D	648116
92560139001	B-117D	EPA 3005A	646612	EPA 6020B	646637
92560139002	B-118	EPA 3005A	646612	EPA 6020B	646637
92560139003	B-119D	EPA 3005A	646612	EPA 6020B	646637
92560139004	B-116D	EPA 3005A	648036	EPA 6020B	648158
92560139001	B-117D	EPA 7470A	648334	EPA 7470A	648431
92560139002	B-118	EPA 7470A	648334	EPA 7470A	648431
92560139003	B-119D	EPA 7470A	648334	EPA 7470A	648431
92560139004	B-116D	EPA 7470A	648334	EPA 7470A	648431
92560139001	B-117D	SM 2540C-2011	647027		
92560139002	B-118	SM 2540C-2011	647027		
92560139003	B-119D	SM 2540C-2011	647027		
92560139004	B-116D	SM 2540C-2011	647027		
92560139001	B-117D	EPA 300.0 Rev 2.1 1993	646662		
92560139002	B-118	EPA 300.0 Rev 2.1 1993	646662		
92560139003	B-119D	EPA 300.0 Rev 2.1 1993	646662		
92560139004	B-116D	EPA 300.0 Rev 2.1 1993	647162		

REPORT OF LABORATORY ANALYSIS

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Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name: GA Power

Project #: **WO# : 92560139**



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

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 9/24/24 CSW

Packing Material: Bubble Wrap Bubble Bags None Other

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

Biological Tissue Frozen? Yes No N/A

Cooler Temp: 2.6 Correction Factor: Add/Subtract (°C) +0.1

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

Cooler Temp Corrected (°C): 2.5

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

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

		Comments/Discrepancy:
Chain of Custody Present?	<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:	<u>W</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: _____

*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

Project # **WO# : 92560139**
 PM: NMG Due Date: 09/23/21
 CLIENT: GA-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)	BP4C-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)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (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)	BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
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11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

pH Adjustment Log for Preserved Samples

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

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR 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.

Page : 1 of 1

Section A Client Information: Name: Georgia Power - Coal Combustion Residuals Address: 2460 Mable Road Atlanta, GA 30339 Email: jlabrum@southemco.com Phone: (404) 505-1239 Project Due Date: 10 Day TAT	Section B Required Project Information: Report To: Joe Abraham Copy To: Odeh Purchase Order #: Project Name: Plant McDonough Perimeters Project #: 10049221 Pico Profile #: Pico Project Manager: Kevin Henry
Section C Service Information: Applicant: eshriv@scg.com Company Name: Address: Pico Guide: Pico Project Manager: Kevin Henry Regulatory Agency: State / Location: GA	

ITEM #	MATRIX	CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	DATE	TIME	PRESERVATIVES							ANALYSES TEST			Residual Chlorine (Y/N)	pH	
							# OF CONTAINERS	Unpreserved - Ice	H2BO4	HNO3 + Ice	HCl	NaOH + Zn Acetate	Na2SO3	Methanol	Other	Y/N			App I M/V Total Metals
1	B-17D	WT	G	G-GRAB	9/8/2021	16:15	5	2	3										pH = 8.00
2	B-118	WT	G	G-GRAB	9/9/2021	13:35	5	2	3										pH = 8.01
3	B-18D	WT	G	G-GRAB	9/9/2021	15:17	5	2	3										pH = 8.88
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	SW / Saver	9/9/21	8:11	ELVOZ	9/9/21	8:10
	ELVOZ	9-9-21	8:15	Charles Jordan	9/9/21	08:15

TEMP in C	Received on Ice (Y/N)	Custody Bated Cooler (Y/N)	Samples Intact (Y/N)

Job: WAGVERACK SW... DATE Signed: 9/9/21



Document Name:
Sample Condition Upon Receipt (SCUR)
 Document No.:
F-CAR-CS-033-Rev.07

Document Revised: October 28, 2020
 Page 1 of 2
 Issuing Authority:
 Pace Carolinas Quality Office

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

Georgia 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: MT 9/10/21

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen?

Yes No N/A

Thermometer:

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

Cooler Temp:

3.4 Correction Factor: Add/Subtract (°C) ± 0.1

Temp should be above freezing to 6°C

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

Cooler Temp Corrected (°C): 3.5

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)?

Yes No

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

	Comments/Discrepancy:
Chain of Custody Present? <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 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>WT</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 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: _____

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

Project #

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

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

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP2U-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)	BP4C-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)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VDA HCl (N/A)	VG9T-40 mL VDA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (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)	BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG6U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)			
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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 DEHNR 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 Site Information:

Company: Georgia Power - Coal Combustion Residuals
 Address: 2480 Manor Road
 Atlanta, GA 30339
 Phone: (404) 596-7239
 Fax: (404) 596-7239
 Email: jordanm@gepower.com
 Requested Date: 10 Day TAT

Requester Name: Joe Nathan
 Project Name: Plant McDonough Parameters
 Project # 19594021

Company Name: Kameron
 Address: 1200 Peachtree St NE
 Atlanta, GA 30309
 Project Manager: Kevin Henry

Regulatory Agency: EPA
 Site Location: GA

ITEM #	MATRIX	CONCENTRATION	DATE	TIME	ANALYSES TEST	Y/N	RESIDUAL CHLORINE (Y/N)	pH
1	B-1160		9/10/21	13:53	Aspirin Total Metals Cl F, SO4, TDS Radium 226/228	X X X		6.02
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								

ADDITIONAL COMMENTS: *W. Sample*

ACQUIRED BY / AFFILIATION: *W. Sample*

DATE: *9/10/21* TIME: *13:50*

ACQUIRED BY / AFFILIATION: *Kevin Henry*

DATE: *9/10/21* TIME: *17:00*

SAMPLE DIRECTION: *34 Y*

TEMP °C: _____

Received or Ice (Y/N): _____

Cooling Sealed Cooler (Y/N): _____

Sample Intact (Y/N): _____

Jude Wagnerspack DATE SIGNED: *9/10/21*

October 22, 2021

Joju Abraham
Georgia Power-CCR
2480 Maner Road
Atlanta, GA 30339

RE: Project: MCDONOUGH PIEZOMETERS RADS
Pace Project No.: 92560137

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between September 09, 2021 and September 10, 2021. 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,



Nicole D'Oleo
nicole.d'oleo@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Stephen Benda
Daniela Herrera, Golder
Ben Hodges, Georgia Power
Kristen Jurinko
J. Shelby Mobley
Charles Norton, Southern Company
Ms. Lauren Petty, Southern Company
Dawn Prell, Golder Associates Inc.
Tim Richards, Golder Associates - Atlanta



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MCDONOUGH PIEZOMETERS RADS
Pace Project No.: 92560137

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
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 #: PA014572018-1
New Hampshire/TNI Certification #: 297617
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 #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: MCDONOUGH PIEZOMETERS RADS

Pace Project No.: 92560137

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92560137001	B-117D	Water	09/08/21 16:15	09/09/21 08:45
92560137002	B-118	Water	09/08/21 13:35	09/09/21 08:45
92560137003	B-119D	Water	09/08/21 15:17	09/09/21 08:45
92560137004	B-116D	Water	09/09/21 13:53	09/10/21 17:40

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: MCDONOUGH PIEZOMETERS RADS

Pace Project No.: 92560137

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92560137001	B-117D	EPA 9315	CLA	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92560137002	B-118	EPA 9315	CLA	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92560137003	B-119D	EPA 9315	CLA	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92560137004	B-116D	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JC2	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH PIEZOMETERS RADS

Pace Project No.: 92560137

Sample: B-117D **Lab ID: 92560137001** Collected: 09/08/21 16:15 Received: 09/09/21 08:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.124 ± 0.226 (0.514) C:95% T:NA	pCi/L	10/06/21 12:02	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.571 ± 0.456 (0.906) C:67% T:87%	pCi/L	10/04/21 15:05	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.695 ± 0.682 (1.42)	pCi/L	10/07/21 15:34	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH PIEZOMETERS RADS

Pace Project No.: 92560137

Sample: B-118 **Lab ID: 92560137002** Collected: 09/08/21 13:35 Received: 09/09/21 08:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	-0.0218 ± 0.176 (0.498) C:96% T:NA	pCi/L	10/06/21 12:02	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.0324 ± 0.341 (0.790) C:65% T:94%	pCi/L	10/04/21 15:06	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.0324 ± 0.517 (1.29)	pCi/L	10/07/21 15:34	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH PIEZOMETERS RADS

Pace Project No.: 92560137

Sample: B-119D **Lab ID: 92560137003** Collected: 09/08/21 15:17 Received: 09/09/21 08:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	-0.0190 ± 0.153 (0.445) C:92% T:NA	pCi/L	10/06/21 12:02	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.168 ± 0.399 (0.887) C:67% T:88%	pCi/L	10/04/21 15:06	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.168 ± 0.552 (1.33)	pCi/L	10/07/21 15:34	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH PIEZOMETERS RADS

Pace Project No.: 92560137

Sample: B-116D **Lab ID: 92560137004** Collected: 09/09/21 13:53 Received: 09/10/21 17:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.388 ± 0.259 (0.447) C:100% T:NA	pCi/L	10/06/21 08:25	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.499 ± 0.409 (0.817) C:64% T:91%	pCi/L	10/04/21 14:59	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.887 ± 0.668 (1.26)	pCi/L	10/06/21 15:27	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: MCDONOUGH PIEZOMETERS RADS

Pace Project No.: 92560137

QC Batch:	465345	Analysis Method:	EPA 9320
QC Batch Method:	EPA 9320	Analysis Description:	9320 Radium 228
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 92560137001, 92560137002, 92560137003

METHOD BLANK: 2247073 Matrix: Water

Associated Lab Samples: 92560137001, 92560137002, 92560137003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.306 ± 0.283 (0.572) C:72% T:95%	pCi/L	10/04/21 11:58	

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: MCDONOUGH PIEZOMETERS RADS

Pace Project No.: 92560137

QC Batch: 465347	Analysis Method: EPA 9315
QC Batch Method: EPA 9315	Analysis Description: 9315 Total Radium
	Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92560137001, 92560137002, 92560137003

METHOD BLANK: 2247077 Matrix: Water

Associated Lab Samples: 92560137001, 92560137002, 92560137003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.0279 ± 0.217 (0.589) C:92% T:NA	pCi/L	10/06/21 12:00	

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: MCDONOUGH PIEZOMETERS RADS

Pace Project No.: 92560137

QC Batch: 465343

Analysis Method: EPA 9320

QC Batch Method: EPA 9320

Analysis Description: 9320 Radium 228

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92560137004

METHOD BLANK: 2247069

Matrix: Water

Associated Lab Samples: 92560137004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.209 ± 0.287 (0.612) C:69% T:89%	pCi/L	10/04/21 11:58	

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: MCDONOUGH PIEZOMETERS RADS

Pace Project No.: 92560137

QC Batch: 465344	Analysis Method: EPA 9315
QC Batch Method: EPA 9315	Analysis Description: 9315 Total Radium
	Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92560137004

METHOD BLANK: 2247072 Matrix: Water

Associated Lab Samples: 92560137004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.00717 ± 0.168 (0.443) C:96% T:NA	pCi/L	10/06/21 08:19	

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: MCDONOUGH PIEZOMETERS RADS
Pace Project No.: 92560137

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: MCDONOUGH PIEZOMETERS RADS

Pace Project No.: 92560137

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92560137001	B-117D	EPA 9315	465347		
92560137002	B-118	EPA 9315	465347		
92560137003	B-119D	EPA 9315	465347		
92560137004	B-116D	EPA 9315	465344		
92560137001	B-117D	EPA 9320	465345		
92560137002	B-118	EPA 9320	465345		
92560137003	B-119D	EPA 9320	465345		
92560137004	B-116D	EPA 9320	465343		
92560137001	B-117D	Total Radium Calculation	467213		
92560137002	B-118	Total Radium Calculation	467213		
92560137003	B-119D	Total Radium Calculation	467213		
92560137004	B-116D	Total Radium Calculation	467011		

REPORT OF LABORATORY ANALYSIS

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Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

GA Power

Project #:

WO# : 92560137



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

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: *9/16/24 CSW*

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen?

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

Yes No N/A

Cooler Temp: 2.6 Correction Factor: Add/Subtract (+0.1)

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

Cooler Temp Corrected (°C): 2.5

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

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

			Comments/Discrepancy:
Chain of Custody Present?	<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:	<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 checked="" type="checkbox"/> N/A		

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

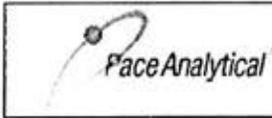
Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____

Date: _____

Project Manager SRF Review: _____

Date: _____



Document Name:
Sample Condition Upon Receipt(SCUR)
 Document No.:
F-CAR-CS-033-Rev.07

Document Revised: October 28, 2020
 Page 2 of 2
 Issuing Authority:
 Pace Carolinas Quality Office

*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

Project #

WO# : 92560137

PM: NMG

Due Date: 09/30/21

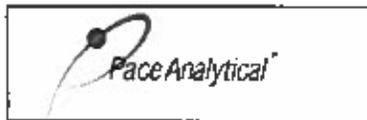
CLIENT: GA-GA Power

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)	BP4C-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)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2SO3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-S035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SPST-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1		✓	✓			✓																						
2		✓	✓			✓																						
3		✓	✓			✓																						
4																												
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12																												

pH Adjustment Log for Preserved Samples

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

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



Document Name:
Sample Condition Upon Receipt (SCUR)
 Document No.:
F-CAR-CS-033-Rev.07

Document Revised: October 28, 2020
 Page 1 of 2
 Issuing Authority:
 Pace Carolinas Quality Office

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

Georgia 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: MT 9/10/21

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen?

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

Yes No N/A

Cooler Temp: 3.4 Correction Factor: Add/Subtract (°C) ± 0.1

Temp should be above freezing to 6°C

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

Cooler Temp Corrected (°C): 3.5

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)?

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

Yes No

Comments/Discrepancy:

Chain of Custody Present?	Yes	No	N/A	1.
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 checked="" 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 checked="" type="checkbox"/>	<input 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>WT</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 Seals Present?	<input type="checkbox"/>	<input 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: _____

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

Project #

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

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

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP2U-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)	BP4C-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)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VDA HCl (N/A)	VG9T-40 mL VDA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (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)	BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG6U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Sanitillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)			
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BPIN

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 DEHNR 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 Site Information:

Company: Georgia Power - Coal Combustion Residuals
 Address: 2480 Manor Road
 Atlanta, GA 30339
 Email: jordanm@ge.com
 Phone: (404) 596-7239
 Fax: (404) 596-7239
 Requested Date Date: 10 Day TAT

Requester: Joe Nathan
 Copy To: Joe Nathan
 Project Name: Plant McDonough Parameters
 Project # 19594021

Site Information:
 Site Name: Pace Profile #
 Site Address: Pace Profile #
 Site Manager: Kevin Henry

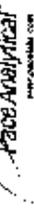
Regulatory Agency: EPA
 State: GA

ITEM #	MATRIX	CONCENTRATION	DATE	TIME	ANALYSES TEST	Y/N	RESIDUAL CHLORINE (Y/N)
1	B-1160		9/10/21	13:53	Aspirin Total Metals Cl F, SO4, TDS Radium 226/228	X X X	pH = 6.02
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							

ACQUIRED BY / AFFILIATION: *W. Bank*
 DATE: 9/10/21
 TIME: 11:50
 ACQUIRED BY / AFFILIATION: *Chris Lee Hank*
 DATE: 9/10/21
 TIME: 17:00
 SAMPLE DIRECTION: *34 Y*
 RECEIVED OR SEALED: *Y*
 COOLING COOLER: *Y*
 SAMPLES INTACT: *Y*

DATE SIGNED: 9/10/21
 Signature: *Jude Wagnerspack*

Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: **Re-228**
 Analyst: **JC2**
 Date: **10/17/2021**
 Worksheet: **62848**
 Matrix: **WI**

Method Blank Assessment

MB Sample ID	2247069
MB Concentration:	0.208
MB 2 Sigma CSU:	0.287
MB MDC:	0.612
MB Numerical Performance Indicator	1.43
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment

	LCS# (Y or N/P)	Y
Count Data	LCS#2848	10/4/2021
Decay Corrected Spike Concentration (pCi/mL)	10442021	21-029
Spike I.D.	21-029	37.973
Volume Used (mL)	0.10	0.10
Aliquot Volume (L, g, F)	0.807	0.812
Target Conc (pCi/L, g, F)	4.703	4.876
Uncertainty (Calculated)	0.236	0.229
Result (pCi/L, g, F)	3.772	4.931
LCS# CSU 2 Sigma CSU (pCi/L, g, F)	0.892	1.094
Numerical Performance Indicator	-1.98	0.45
Percent Recovery	80.20%	105.45%
Status vs Numerical Indicator	N/A	N/A
Status vs Recovery	Pass	Pass
Upper % Recovery Limit:	135%	135%
Lower % Recovery Limit:	60%	60%

Duplicate Sample Assessment

Sample ID:	LCS#2848	Extra Duplicate sample IDs if other than LCS# CSU in the space below.
Duplicate Sample ID:	LCS#62848	
Sample Result (pCi/L, g, F):	3.772	
Sample Result 2 Sigma CSU (pCi/L, g, F):	0.892	
Sample Duplicate Result (pCi/L, g, F):	4.931	
Sample Duplicate Result 2 Sigma CSU (pCi/L, g, F):	1.094	
Are sample and/or duplicate results below RL?	NO	
Duplicate Numerical Performance Indicator:	-1.609	
Duplicate Numerical Performance Indicator (Based on the LCS# CSU Percent Recoveries):	27.20%	
Duplicate Status vs Numerical Indicator:	Pass	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	36%	

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

Comments:

Sample Matrix Spike Control Assessment

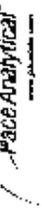
Sample Collection Date	MS/MSD 1	MS/MSD 2
Sample ID		
Sample MS ID		
Sample MSD ID		
Spike I.D.		
MS/MSD Decay Corrected Spike Concentration (pCi/mL)		
Spike Volume Used in MS (mL):		
Spike Volume Used in MSD (mL):		
MS Aliquot (L, g, F):		
MS Target Conc (pCi/L, g, F):		
MSD Aliquot (L, g, F):		
MSD Target Conc (pCi/L, g, F):		
MS Spike Uncertainty (Calculated):		
MSD Spike Uncertainty (Calculated):		
Sample Result 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 Limit:		
MS/MSD Lower % Recovery Limit:		

Matrix Spike/Matrix Spike Duplicate Sample Assessment

Sample ID:	
Sample MS ID:	
Sample MSD ID:	
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 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:	

10/10/21
 JC2

Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-228
 Analysis: VAL
 Date: 10/11/2021
 Worksheet: 62850
 Matrix: WWT

Method Blank Assessment

MB Sample ID	2247073
MB Concentration	0.306
MB 2 Sigma CSU	0.283
MB MDC	0.572
MB Numerical Performance Indicator	2.12
MB Status vs Numerical Indicator	Warning
MB Status vs MDC	Pass

Laboratory Control Sample Assessment

Count Data Spike I.D.	Y
10/4/2021	LCS#2850
21-029	37.973
0.10	0.10
0.805	0.816
4.716	4.653
0.231	0.228
5.361	4.280
1.173	0.992
1.06	-0.72
113.68%	91.98%
N/A	N/A
Pass	Pass
135%	135%
60%	60%

Duplicate Sample Assessment

Sample I.D.	Duplicate Sample I.D.	Sample Result (pCtL, g, F)	Duplicate Result (pCtL, g, F)	Are sample and/or duplicate results below RL?	Duplicate Numerical Performance Indicator	Duplicate Status vs Numerical Indicator
LCS#2850	LCS#2850	5.361	1.173	NO	1.380	Pass
LCS#2850	LCS#2850	4.280	0.992	NO	21.11%	Pass
						35%

[Handwritten signature]

Comments:

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.: Spike Volume Used in MS (mL): Spike Volume Used in MSD (mL): MS Aliquot (L, Q, F): MS Target Conc. (pCtL, g, F): MSD Aliquot (L, Q, F): MSD Target Conc. (pCtL, g, F): MS Spike Uncertainty (calculated): MSD Spike Uncertainty (calculated): Sample Result 2 Sigma CSU (pCtL, g, F): Sample Mean Spike Result: Matrix Spike Result 2 Sigma CSU (pCtL, g, F): Sample Matrix Spike Duplicate Result: Matrix Spike Duplicate Result 2 Sigma CSU (pCtL, 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 Limit: MS/MSD Lower % Recovery Limit:		

Matrix Spike/Matrix Spike Duplicate Sample Assessment

Sample I.D.	Sample MS I.D.	Sample MSD I.D.	Matrix Spike Result 2 Sigma CSU (pCtL, g, F)	Sample Matrix Spike Duplicate Result	Matrix Spike Duplicate Result 2 Sigma CSU (pCtL, g, F)	Duplicate Numerical Performance Indicator	Duplicate Status vs Numerical 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:

[Handwritten note: RECALC! MW]

Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-226
Analyst: SLC
Date: 9/28/2021
Worksheet: 62849
Matrix: DW

Method Blank Assessment	MS/MSD 1	MS/MSD 2
MB Sample ID: 224-072		
MB Concentration: 0.007		
MB Counting Uncertainty: 0.168		
MB MDC: 0.443		
MB Numerical Performance Indicator: 0.08		
MB Status vs Numerical Indicator: N/A		
MB Status vs MDC: Pass		

Laboratory Control Sample Assessment	LCS ID (Y or N)†	Y
Count Date: 10/6/2021	LCS062849	
Spike ID: 18-033	19-033	
Decay Corrected Spike Concentration (pCi/mL): 24.033	24.033	
Volume Used (mL): 0.10	0.10	
Aliquot Volume (L, g, F): 0.503	0.502	
Target Conc (pCi/L, g, F): 4.779	4.791	
Uncertainty (Calculated): 0.057	0.067	
Result (pCi/L, g, F): 5.249	5.218	
LCS/LCSD Counting Uncertainty (pCi/L, g, F): 0.891	0.720	
Numerical Performance Indicator: 1.33	1.16	
Percent Recovery: 109.83%	108.93%	
Status vs Numerical Indicator: N/A	N/A	
Status vs Recovery: Pass	Pass	
Upper % Recovery Limits: 125%	125%	
Lower % Recovery Limits: 75%	75%	

Duplicate Sample Assessment	LCS ID	Y
Sample ID: LCS062849	92560766017	
Duplicate Sample ID: LCS062849	92560766017	
Sample Result (pCi/L, g, F): 5.249	0.363	
Sample Duplicate Result (pCi/L, g, F): 5.216	0.277	
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F): 0.691	0.174	
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F): 0.720	0.199	
Are sample and/or duplicate results below RL? NO	See Below #8	
Duplicate Numerical Performance Indicator: 0.680	1.33%	
(Based on the LCS/LCSD Percent Recoveries) Duplicate IHD: 0.82%	N/A	
Duplicate Status vs Numerical Indicator: N/A	N/A	
Duplicate Status vs RPD: Pass	Fail**	
% RPD Limit: 25%	25%	

Sample Matrix Spike Control Assessment	MS/MSD 1	MS/MSD 2
Sample Collection Date: Sample ID: Sample MS ID: Sample MSD ID: Spike I.D.:		
MS/MSD Decay Carried 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): MS Spike Uncertainty (Calculated): MS Spike Uncertainty (Calculated): MSD Spike Uncertainty (Calculated):		
Sample Result Counting Uncertainty (pCi/L, g, F): Sample Matrix Spike Result: Matrix Spike Result Counting Uncertainty (pCi/L, g, F): Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F): Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F): MS Numerical Performance Indicator: MSD Numerical Performance Indicator: MS Percent Recovery: MSD Percent Recovery: MS Status vs Numerical Indicator: MSD Status vs Numerical Indicator: MS Status vs Recovery: MSD Status vs Recovery: MS/MSD Upper % Recovery Limit: MS/MSD Lower % Recovery Limit:		

Matrix Spike/Matrix Spike Duplicate Sample Assessment
Sample ID: Sample MS ID: Sample MSD ID: Matrix Spike Result Counting Uncertainty (pCi/L, g, F): Sample Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F): Duplicate Numerical Performance Indicator (Based on the Percent Recoveries) MS: MSD Duplicate RPD: MS: MSD Duplicate Status vs Numerical Indicator: MS: MSD Duplicate Status vs RPD: % RPD Limit:

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

Comments:

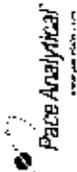
... Results are not reportable due to unacceptable precision N/A

17/10/2021 10:01 AM
17/10/2021 10:01 AM

Quality Control Sample Performance Assessment

Analyst **Must Manually Enter All Fields Highlighted in Yellow.**

Test: Ra-226
Analyst: CLA
Date: 9/28/2021
Worksheet: 62851
Matrix: DW



Method Blank Assessment	
MB Sample ID	224-1077
MB Concentration:	-0.028
MFR Counting Uncertainty:	0.217
MB MDC:	0.589
MB Numerical Performance Indicator:	-0.25
MB Status vs Numerical Indicator:	N/A
MB Status vs MDC:	Pass

Laboratory Control Sample Assessment	LCS# (Y or N)	
	LCS#62851	LCS#62851
Count Date:	10/7/2021	10/7/2021
Spike I.D.:	19-033	19-033
Decay Corrected Spike Concentration (pCi/ml)	24.033	24.033
Volume Used (mL)	0.10	0.10
Aliquot Volume (L, g, F)	0.508	0.508
Target Conc. (pCi/L, g, F)	4.792	4.734
Uncertainty (Calculated)	0.058	0.067
Result (pCi/L, g, F)	4.037	4.418
LCS# CSO Counting Uncertainty (pCi/L, g, F)	0.623	0.646
Numerical Performance Indicator	-2.37	-0.95
Percent Recovery:	84.25%	93.33%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	125%	125%
Lower % Recovery Limits:	75%	75%

Duplicate Sample Assessment	LCS# (Y or N)	
	LCS#62851	LCS#62851
Sample I.D.:	92560766014	92560765014DUP
Duplicate Sample I.D.:	0.428	0.225
Sample Result (pCi/L, g, F)	0.623	0.418
Sample Result Counting Uncertainty (pCi/L, g, F)	0.044	0.185
Sample Duplicate Result (pCi/L, g, F)	N/A	1.678 OK
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F)	N/A	82.99%
Ave sample and/or duplicate results below RL?	Pass	Pass
Duplicate Numerical Performance Indicator	N/A	N/A
(Based on the LCS#, CSO Percent Recovery) Duplicate RPD	25%	26%
Duplicate Status vs Numerical Indicator	Pass	Pass
Duplicate Status vs RPD:	Pass	Pass
% RPD Limit:	25%	26%

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

Comments:

Right must be supported due to...

2-MDCs N/A

10/20/21
CWA
MDC

Sample Matrix Spike Control Assessment	MSMSD 1	MSMSD 2
<p>Sample Collection Date:</p> <p>Sample I.D.:</p> <p>Sample MS I.D.:</p> <p>Sample MS2 I.D.:</p> <p>Spike I.D.:</p> <p>MSMSD 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>MSD Aliquot (L, g, F)</p> <p>MS Target Conc (pCi/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 Counting Uncertainty (pCi/L, g, F)</p> <p>Sample Matrix Spike Result</p> <p>Matrix Spike Result Counting Uncertainty (pCi/L, g, F)</p> <p>Matrix Spike Duplicate Result</p> <p>Matrix Spike Duplicate Result Counting Uncertainty (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>MSMSD Upper % Recovery Limits:</p> <p>MSMSD Lower % Recovery Limits:</p>		

Matrix Spike/Matrix Spike Duplicate Sample Assessment
<p>Sample I.D.:</p> <p>Sample MS I.D.:</p> <p>Sample MS2 I.D.:</p> <p>Matrix Spike Result Counting Uncertainty (pCi/L, g, F)</p> <p>Matrix Matrix Spike Duplicate Result</p> <p>Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F)</p> <p>Duplicate Numerical Performance Indicator</p> <p>(Based on the Percent Recovery) MS: MSD Duplicate RPD</p> <p>MS: MSD Duplicate Status vs Numerical Indicator:</p> <p>MS: MSD Duplicate Status vs RPD:</p> <p>% RPD Limit:</p>

10/17/21

September 28, 2021

Joju Abraham
Georgia Power-CCR
2480 Maner Road
Atlanta, GA 30339

RE: Project: MCDONOUGH
Pace Project No.: 92561195

Dear Joju Abraham:

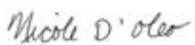
Enclosed are the analytical results for sample(s) received by the laboratory between September 10, 2021 and September 14, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where 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 - Charlotte
- Pace Analytical Services - Peachtree Corners, GA

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

Sincerely,



Nicole D'Oleo
nicole.d'oleo@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Stephen Benda
Daniela Herrera, Golder
Ben Hodges, Georgia Power
Kristen Jurinko
J. Shelby Mobley
Charles Norton, Southern Company
Ms. Lauren Petty, Southern Company
Dawn Prell, Golder Associates Inc.
Tim Richards, Golder Associates - Atlanta



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MCDONOUGH

Pace Project No.: 92561195

Pace Analytical Services Charlotte

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078
Louisiana/NELAP Certification # LA170028
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12

South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Virginia/VELAP Certification #: 460221

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 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

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: MCDONOUGH

Pace Project No.: 92561195

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92561195001	B-100	Water	09/13/21 16:55	09/14/21 09:35
92560768001	B-62	Water	09/09/21 15:45	09/10/21 17:40

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: MCDONOUGH

Pace Project No.: 92561195

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92561195001	B-100	EPA 6010D	KH	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92560768001	B-62	EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3

PASI-A = Pace Analytical Services - Asheville

PASI-C = Pace Analytical Services - Charlotte

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MCDONOUGH
Pace Project No.: 92561195

Sample: B-100		Lab ID: 92561195001		Collected: 09/13/21 16:55		Received: 09/14/21 09:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/14/21 16:42		
pH	5.27	Std. Units			1		09/14/21 16:42		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	51.5	mg/L	1.0	0.12	1	09/23/21 10:02	09/23/21 19:51	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/21/21 12:35	09/22/21 19:34	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	09/21/21 12:35	09/22/21 19:34	7440-38-2	
Barium	0.021	mg/L	0.0050	0.00067	1	09/21/21 12:35	09/22/21 19:34	7440-39-3	
Beryllium	0.00053	mg/L	0.00050	0.000054	1	09/21/21 12:35	09/22/21 19:34	7440-41-7	
Boron	0.24	mg/L	0.040	0.0086	1	09/21/21 12:35	09/22/21 19:34	7440-42-8	
Cadmium	0.00029J	mg/L	0.00050	0.00011	1	09/21/21 12:35	09/22/21 19:34	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/21/21 12:35	09/22/21 19:34	7440-47-3	
Cobalt	0.035	mg/L	0.0050	0.00039	1	09/21/21 12:35	09/22/21 19:34	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/21/21 12:35	09/22/21 19:34	7439-92-1	
Lithium	0.0022J	mg/L	0.030	0.00073	1	09/21/21 12:35	09/22/21 19:34	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/21/21 12:35	09/22/21 19:34	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/21/21 12:35	09/22/21 19:34	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/21/21 12:35	09/22/21 19:34	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.000078	1	09/24/21 09:45	09/27/21 17:42	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	636	mg/L	20.0	20.0	1		09/20/21 16:36		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	11.1	mg/L	1.0	0.60	1		09/15/21 21:55	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		09/15/21 21:55	16984-48-8	
Sulfate	351	mg/L	8.0	4.0	8		09/16/21 03:25	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MCDONOUGH
Pace Project No.: 92561195

Sample: B-62		Lab ID: 92560768001		Collected: 09/09/21 15:45		Received: 09/10/21 17:40		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		09/13/21 08:41		
pH	6.31	Std. Units			1		09/13/21 08:41		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	29.2	mg/L	1.0	0.12	1	09/20/21 09:45	09/20/21 17:33	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	09/20/21 09:45	09/22/21 11:15	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	09/20/21 09:45	09/22/21 11:15	7440-38-2	
Barium	0.021	mg/L	0.0050	0.00067	1	09/20/21 09:45	09/22/21 11:15	7440-39-3	
Beryllium	0.00014J	mg/L	0.00050	0.000054	1	09/20/21 09:45	09/22/21 11:15	7440-41-7	
Boron	0.068	mg/L	0.040	0.0086	1	09/20/21 09:45	09/22/21 11:15	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/20/21 09:45	09/22/21 11:15	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/20/21 09:45	09/22/21 11:15	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	09/20/21 09:45	09/22/21 11:15	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	09/20/21 09:45	09/22/21 11:15	7439-92-1	
Lithium	0.0094J	mg/L	0.030	0.00073	1	09/20/21 09:45	09/22/21 11:15	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/20/21 09:45	09/22/21 11:15	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/20/21 09:45	09/22/21 11:15	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/20/21 09:45	09/22/21 11:15	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	0.000078	1	09/21/21 07:00	09/21/21 12:20	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	174	mg/L	10.0	10.0	1		09/15/21 18:58		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	5.8	mg/L	1.0	0.60	1		09/15/21 06:38	16887-00-6	
Fluoride	0.14	mg/L	0.10	0.050	1		09/15/21 06:38	16984-48-8	
Sulfate	49.2	mg/L	1.0	0.50	1		09/15/21 06:38	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MCDONOUGH

Pace Project No.: 92561195

QC Batch: 648325

Analysis Method: EPA 6010D

QC Batch Method: EPA 3010A

Analysis Description: 6010D ATL

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92560768001

METHOD BLANK: 3400203

Matrix: Water

Associated Lab Samples: 92560768001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	09/20/21 17:23	

LABORATORY CONTROL SAMPLE: 3400204

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3400205 3400206

Parameter	Units	3400205		3400206		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92560774001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Calcium	mg/L	42.0	1	1	44.1	42.4	202	31	75-125	4	20 M1

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QUALITY CONTROL DATA

Project: MCDONOUGH

Pace Project No.: 92561195

QC Batch: 648974

Analysis Method: EPA 6010D

QC Batch Method: EPA 3010A

Analysis Description: 6010D ATL

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92561195001

METHOD BLANK: 3403796

Matrix: Water

Associated Lab Samples: 92561195001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	09/23/21 17:54	

LABORATORY CONTROL SAMPLE: 3403797

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3403798 3403799

Parameter	Units	92560768003		3403799		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Calcium	mg/L	42.1	1	41.6	40.7	-42	-139	75-125	2	20	M1

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QUALITY CONTROL DATA

Project: MCDONOUGH
Pace Project No.: 92561195

QC Batch: 648326 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92560768001

METHOD BLANK: 3400210 Matrix: Water
Associated Lab Samples: 92560768001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	09/22/21 11:04	
Arsenic	mg/L	ND	0.0050	0.0011	09/22/21 11:04	
Barium	mg/L	ND	0.0050	0.00067	09/22/21 11:04	
Beryllium	mg/L	ND	0.00050	0.000054	09/22/21 11:04	
Boron	mg/L	ND	0.040	0.0086	09/22/21 11:04	
Cadmium	mg/L	ND	0.00050	0.00011	09/22/21 11:04	
Chromium	mg/L	ND	0.0050	0.0011	09/22/21 11:04	
Cobalt	mg/L	ND	0.0050	0.00039	09/22/21 11:04	
Lead	mg/L	ND	0.0010	0.00089	09/22/21 11:04	
Lithium	mg/L	ND	0.030	0.00073	09/22/21 11:04	
Molybdenum	mg/L	ND	0.010	0.00074	09/22/21 11:04	
Selenium	mg/L	ND	0.0050	0.0014	09/22/21 11:04	
Thallium	mg/L	ND	0.0010	0.00018	09/22/21 11:04	

LABORATORY CONTROL SAMPLE: 3400211

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	0.10	101	80-120	
Barium	mg/L	0.1	0.11	106	80-120	
Beryllium	mg/L	0.1	0.11	106	80-120	
Boron	mg/L	1	1.1	113	80-120	
Cadmium	mg/L	0.1	0.10	101	80-120	
Chromium	mg/L	0.1	0.10	103	80-120	
Cobalt	mg/L	0.1	0.099	99	80-120	
Lead	mg/L	0.1	0.10	102	80-120	
Lithium	mg/L	0.1	0.11	108	80-120	
Molybdenum	mg/L	0.1	0.10	101	80-120	
Selenium	mg/L	0.1	0.10	101	80-120	
Thallium	mg/L	0.1	0.10	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3400212 3400213

Parameter	Units	92560774001 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Antimony	mg/L	ND	0.1	0.1	0.10	0.10	105	105	75-125	0	20	
Arsenic	mg/L	ND	0.1	0.1	0.10	0.10	102	105	75-125	3	20	

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QUALITY CONTROL DATA

Project: MCDONOUGH

Pace Project No.: 92561195

Parameter	Units	3400212		3400213		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92560774001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Barium	mg/L	0.022	0.1	0.1	0.13	0.13	104	103	75-125	1	20		
Beryllium	mg/L	ND	0.1	0.1	0.099	0.10	99	101	75-125	2	20		
Boron	mg/L	0.51	1	1	1.6	1.6	110	109	75-125	1	20		
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	100	101	75-125	1	20		
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	100	102	75-125	2	20		
Cobalt	mg/L	0.0048J	0.1	0.1	0.11	0.11	101	102	75-125	0	20		
Lead	mg/L	ND	0.1	0.1	0.10	0.10	101	101	75-125	1	20		
Lithium	mg/L	0.024J	0.1	0.1	0.12	0.12	99	99	75-125	0	20		
Molybdenum	mg/L	0.0023J	0.1	0.1	0.11	0.11	105	106	75-125	1	20		
Selenium	mg/L	0.0031J	0.1	0.1	0.11	0.11	104	106	75-125	2	20		
Thallium	mg/L	ND	0.1	0.1	0.098	0.10	98	101	75-125	3	20		

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QUALITY CONTROL DATA

Project: MCDONOUGH
Pace Project No.: 92561195

QC Batch: 648523 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92561195001

METHOD BLANK: 3401252 Matrix: Water
Associated Lab Samples: 92561195001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	09/22/21 18:13	
Arsenic	mg/L	ND	0.0050	0.0011	09/22/21 18:13	
Barium	mg/L	ND	0.0050	0.00067	09/22/21 18:13	
Beryllium	mg/L	ND	0.00050	0.000054	09/22/21 18:13	
Boron	mg/L	ND	0.040	0.0086	09/22/21 18:13	
Cadmium	mg/L	ND	0.00050	0.00011	09/22/21 18:13	
Chromium	mg/L	ND	0.0050	0.0011	09/22/21 18:13	
Cobalt	mg/L	ND	0.0050	0.00039	09/22/21 18:13	
Lead	mg/L	ND	0.0010	0.00089	09/22/21 18:13	
Lithium	mg/L	ND	0.030	0.00073	09/22/21 18:13	
Molybdenum	mg/L	ND	0.010	0.00074	09/22/21 18:13	
Selenium	mg/L	ND	0.0050	0.0014	09/22/21 18:13	
Thallium	mg/L	ND	0.0010	0.00018	09/22/21 18:13	

LABORATORY CONTROL SAMPLE: 3401253

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	0.11	109	80-120	
Beryllium	mg/L	0.1	0.095	95	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	0.11	109	80-120	
Cobalt	mg/L	0.1	0.11	108	80-120	
Lead	mg/L	0.1	0.10	100	80-120	
Lithium	mg/L	0.1	0.095	95	80-120	
Molybdenum	mg/L	0.1	0.10	104	80-120	
Selenium	mg/L	0.1	0.098	98	80-120	
Thallium	mg/L	0.1	0.10	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3401254 3401255

Parameter	Units	92560774020 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	108	107	75-125	1	20	
Arsenic	mg/L	0.0016J	0.1	0.1	0.10	0.10	100	100	75-125	0	20	

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QUALITY CONTROL DATA

Project: MCDONOUGH

Pace Project No.: 92561195

Parameter	Units	3401254		3401255		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92560774020 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Barium	mg/L	0.021	0.1	0.1	0.13	0.13	113	113	75-125	0	20		
Beryllium	mg/L	0.0090	0.1	0.1	0.10	0.10	92	94	75-125	2	20		
Boron	mg/L	0.16	1	1	1.2	1.2	99	102	75-125	3	20		
Cadmium	mg/L	0.0014	0.1	0.1	0.10	0.10	101	100	75-125	0	20		
Chromium	mg/L	ND	0.1	0.1	0.11	0.11	109	109	75-125	0	20		
Cobalt	mg/L	0.23	0.1	0.1	0.34	0.32	107	94	75-125	4	20		
Lead	mg/L	ND	0.1	0.1	0.099	0.097	99	97	75-125	2	20		
Lithium	mg/L	0.053	0.1	0.1	0.15	0.14	95	90	75-125	4	20		
Molybdenum	mg/L	ND	0.1	0.1	0.10	0.11	103	105	75-125	2	20		
Selenium	mg/L	0.0035J	0.1	0.1	0.10	0.10	100	97	75-125	2	20		
Thallium	mg/L	0.00036J	0.1	0.1	0.097	0.097	97	96	75-125	1	20		

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QUALITY CONTROL DATA

Project: MCDONOUGH

Pace Project No.: 92561195

QC Batch: 648337	Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A	Analysis Description: 7470 Mercury
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92560768001

METHOD BLANK: 3400307 Matrix: Water

Associated Lab Samples: 92560768001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000078	09/21/21 12:04	

LABORATORY CONTROL SAMPLE: 3400308

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0025	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3400309 3400310

Parameter	Units	3400309		3400310		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Mercury	mg/L	92561283001 ND	0.0025	0.0025	0.0026	0.0024	103	96	75-125	7	20

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QUALITY CONTROL DATA

Project: MCDONOUGH

Pace Project No.: 92561195

QC Batch: 649459

Analysis Method: EPA 7470A

QC Batch Method: EPA 7470A

Analysis Description: 7470 Mercury

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92561195001

METHOD BLANK: 3406298

Matrix: Water

Associated Lab Samples: 92561195001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000078	09/27/21 16:51	

LABORATORY CONTROL SAMPLE: 3406299

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0027	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3406300 3406301

Parameter	Units	3406300		3406301		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	100	103	75-125	3	20	

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QUALITY CONTROL DATA

Project: MCDONOUGH

Pace Project No.: 92561195

QC Batch: 647027

Analysis Method: SM 2540C-2011

QC Batch Method: SM 2540C-2011

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92560768001

METHOD BLANK: 3393790

Matrix: Water

Associated Lab Samples: 92560768001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	09/15/21 18:56	

LABORATORY CONTROL SAMPLE: 3393791

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	390	98	90-111	

SAMPLE DUPLICATE: 3393792

Parameter	Units	92560138001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	75.0	78.0	4	10	

SAMPLE DUPLICATE: 3393793

Parameter	Units	92560281005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	133	139	4	10	

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QUALITY CONTROL DATA

Project: MCDONOUGH
Pace Project No.: 92561195

QC Batch: 648323 Analysis Method: SM 2540C-2011
QC Batch Method: SM 2540C-2011 Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92561195001

METHOD BLANK: 3400167 Matrix: Water
Associated Lab Samples: 92561195001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	09/20/21 16:33	

LABORATORY CONTROL SAMPLE: 3400168

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	384	96	90-111	

SAMPLE DUPLICATE: 3400169

Parameter	Units	92560963001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	139	127	9	10	

SAMPLE DUPLICATE: 3400170

Parameter	Units	92560768008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	296	295	0	10	

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QUALITY CONTROL DATA

Project: MCDONOUGH
Pace Project No.: 92561195

QC Batch: 647162 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: 92560768001

METHOD BLANK: 3394748 Matrix: Water
Associated Lab Samples: 92560768001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/14/21 22:53	
Fluoride	mg/L	ND	0.10	0.050	09/14/21 22:53	
Sulfate	mg/L	ND	1.0	0.50	09/14/21 22:53	

LABORATORY CONTROL SAMPLE: 3394749

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.4	101	90-110	
Fluoride	mg/L	2.5	2.4	97	90-110	
Sulfate	mg/L	50	50.9	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3394750 3394751

Parameter	Units	92560938001		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	3.0	50	50	58.4	61.9	111	118	90-110	6	10	M1	
Fluoride	mg/L	0.091J	2.5	2.5	3.4	3.5	131	134	90-110	2	10	M1	
Sulfate	mg/L	33.4	50	50	88.5	91.8	110	117	90-110	4	10	M1	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3394752 3394753

Parameter	Units	92560676003		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	146	50	50	196	198	99	105	90-110	1	10		
Fluoride	mg/L	0.29	2.5	2.5	4.9	4.8	184	179	90-110	2	10	M1	
Sulfate	mg/L	140	50	50	193	195	105	109	90-110	1	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3394754 3394755

Parameter	Units	92560676001		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	4.9	50	50	62.8	64.2	116	119	90-110	2	10	M1	
Fluoride	mg/L	0.40	2.5	2.5	3.5	3.6	124	127	90-110	2	10	M1	
Sulfate	mg/L	3.8	50	50	62.4	63.7	117	120	90-110	2	10	M1	

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QUALITY CONTROL DATA

Project: MCDONOUGH
Pace Project No.: 92561195

QC Batch: 647237 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: 92561195001

METHOD BLANK: 3394951 Matrix: Water
Associated Lab Samples: 92561195001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/15/21 13:41	
Fluoride	mg/L	ND	0.10	0.050	09/15/21 13:41	
Sulfate	mg/L	ND	1.0	0.50	09/15/21 13:41	

LABORATORY CONTROL SAMPLE: 3394952

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	46.9	94	90-110	
Fluoride	mg/L	2.5	2.4	96	90-110	
Sulfate	mg/L	50	48.7	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3394953 3394954

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92560774021	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	10.9	50	50	62.5	63.0	103	104	90-110	1	10		
Fluoride	mg/L	0.47	2.5	2.5	3.3	3.3	112	112	90-110	0	10	M1	
Sulfate	mg/L	272	50	50	315	313	87	82	90-110	1	10	M1	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3394955 3394956

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92560768007	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	8.7	50	50	59.6	60.9	102	104	90-110	2	10		
Fluoride	mg/L	0.051J	2.5	2.5	2.6	2.7	103	105	90-110	2	10		
Sulfate	mg/L	174	50	50	217	219	88	91	90-110	1	10	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.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: MCDONOUGH

Pace Project No.: 92561195

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

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: MCDONOUGH

Pace Project No.: 92561195

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92560768001	B-62				
92561195001	B-100				
92560768001	B-62	EPA 3010A	648325	EPA 6010D	648333
92561195001	B-100	EPA 3010A	648974	EPA 6010D	649029
92560768001	B-62	EPA 3005A	648326	EPA 6020B	648331
92561195001	B-100	EPA 3005A	648523	EPA 6020B	648596
92560768001	B-62	EPA 7470A	648337	EPA 7470A	648433
92561195001	B-100	EPA 7470A	649459	EPA 7470A	649538
92560768001	B-62	SM 2540C-2011	647027		
92561195001	B-100	SM 2540C-2011	648323		
92560768001	B-62	EPA 300.0 Rev 2.1 1993	647162		
92561195001	B-100	EPA 300.0 Rev 2.1 1993	647237		

REPORT OF LABORATORY ANALYSIS

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Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

Georgia Power

Project #

WO# : 92561195



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

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: MT 9/18/21

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

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

Cooler Temp: 3.4 Correction Factor: Add/Subtract (°C) ± 0.1

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

Cooler Temp Corrected (°C): 3.5

USDA Regulated Soil (N/A, water sample)

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

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

	Comments/Discrepancy:
Chain of Custody Present? <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 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>WT</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 type="checkbox"/> N/A	

Field Data Required? Yes No

COMMENTS/SAMPLE DISCREPANCY

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____

Date: _____

Project Manager SRF Review: _____

Date: _____



Document Name:
Sample Condition Upon Receipt(SCUR)
 Document No.:
F-CAR-CS-033-Rev.07

Document Revised: October 28, 2020
 Page 1 of 2
 Issuing Authority:
 Pace Carolinas Quality Office

Laboratory receiving samples:

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

Sample Condition Upon Receipt

Client Name:

Project #:

WO# : 92561195

PM: NMG Due Date: 09/24/21
 CLIENT: GA-GA Power

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

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 9/14/21 KPW

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: IR Gun ID: THR214 Type of Ice: Wet Blue None

Cooler Temp: 3.3 Correction Factor: Add/Subtract (°C) -0.1

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

Cooler Temp Corrected (°C): 3.2

USDA Regulated Soil N/A, water sample

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

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

	Comments/Discrepancy:
Chain of Custody Present? <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. 10 Day TAT
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: <u>W</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

B-100 present, even though it is crossed out on the COC.

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

B-100 on separate project w/ B-62
New COC's received

Person contacted: Daniela Herrera Date/Time: 9/15/21 0901

Project Manager SCURF Review: _____

Date: _____

Project Manager SRF Review: _____

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: Georgia Power - Coal Combustion Residuals
 Address: 2450 Manor Road Atlanta, GA 30339
 Email: jbruhm@southemco.com
 Phone: (404) 506-7239
 Requested Due Date: 10 Day TAT

Section B Required Project Information: Report To: Joli Abraham
 Copy To: Golder
 Purchase Order #: Plant McDonough B-62 and B-100
 Project Name: Plant McDonough B-62 and B-100
 Project #: 168849621

Section C Invoice Information: Attention: sevincel@southemco.com
 Company Name: Golder
 Address:
 Pace Quote: Kevin Herring
 Pace Project Manager:
 Pace Profile #:
 Requested Analysis Filtered (Y/N)
 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	Y/N	Requested Analysis Filtered (Y/N)	TEMP in C	Residual Chlorine (Y/N)	pH = 5.27	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)	
									H2SO4	HNO3 + Ice	HCl	NaOH + Zn Acetate	Na2S2O3	Methanol	Other										App IIIIV Total Metals
1	Driving Water	OW	WT	G	9/13/2021	16:55		5	2	3															
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
ADDITIONAL COMMENTS		REINQUIRED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS											
		Am 999 - New		9/14/2021		17:05		[Signature]		9/14/21		4:05		3.2 Y N Y											

Jude Waguespack / Golder

DATE Sipped: _____

November 04, 2021

Joju Abraham
Georgia Power-CCR
2480 Maner Road
Atlanta, GA 30339

RE: Project: MCDONOUGH RADS
Pace Project No.: 92561190

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between September 10, 2021 and September 14, 2021. 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,



Nicole D'Oleo
nicole.d'oleo@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Stephen Benda
Daniela Herrera, Golder
Ben Hodges, Georgia Power
Kristen Jurinko
J. Shelby Mobley
Charles Norton, Southern Company
Ms. Lauren Petty, Southern Company
Dawn Prell, Golder Associates Inc.
Tim Richards, Golder Associates - Atlanta



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MCDONOUGH RADS
Pace Project No.: 92561190

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
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 #: PA014572018-1
New Hampshire/TNI Certification #: 297617
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 #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: MCDONOUGH RADS

Pace Project No.: 92561190

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92561190001	B-100	Water	09/13/21 16:55	09/14/21 09:35
92560765001	B-62	Water	09/09/21 15:45	09/10/21 17:40

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: MCDONOUGH RADS

Pace Project No.: 92561190

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92561190001	B-100	EPA 9315	CLA	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92560765001	B-62	EPA 9315	SLC	1	PASI-PA
		EPA 9320	JC2	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH RADS

Pace Project No.: 92561190

Sample: B-100 **Lab ID: 92561190001** Collected: 09/13/21 16:55 Received: 09/14/21 09:35 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	0.116 ± 0.212 (0.482) C:96% T:NA	pCi/L	10/06/21 12:02	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.658 ± 0.401 (0.741) C:62% T:99%	pCi/L	10/04/21 15:06	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.774 ± 0.613 (1.22)	pCi/L	10/07/21 15:34	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: MCDONOUGH RADS

Pace Project No.: 92561190

Sample: B-62 **Lab ID: 92560765001** Collected: 09/09/21 15:45 Received: 09/10/21 17:40 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.757 ± 0.323 (0.388) C:93% T:NA	pCi/L	10/06/21 08:25	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.946 ± 0.465 (0.793) C:64% T:86%	pCi/L	10/04/21 14:59	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.70 ± 0.788 (1.18)	pCi/L	10/07/21 15:34	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: MCDONOUGH RADS

Pace Project No.: 92561190

QC Batch: 466957

Analysis Method: EPA 9315

QC Batch Method: EPA 9315

Analysis Description: 9315 Total Radium

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples:

METHOD BLANK: 2255015

Matrix: Water

Associated Lab Samples:

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0260 ± 0.142 (0.353) C:102% T:NA	pCi/L	10/19/21 08:55	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: MCDONOUGH RADS

Pace Project No.: 92561190

QC Batch: 465345

Analysis Method: EPA 9320

QC Batch Method: EPA 9320

Analysis Description: 9320 Radium 228

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92561190001

METHOD BLANK: 2247073

Matrix: Water

Associated Lab Samples: 92561190001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.306 ± 0.283 (0.572) C:72% T:95%	pCi/L	10/04/21 11:58	

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

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QUALITY CONTROL - RADIOCHEMISTRY

Project: MCDONOUGH RADS

Pace Project No.: 92561190

QC Batch: 465341

Analysis Method: EPA 9320

QC Batch Method: EPA 9320

Analysis Description: 9320 Radium 228

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples:

METHOD BLANK: 2247067

Matrix: Water

Associated Lab Samples:

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.554 ± 0.366 (0.696) C:72% T:88%	pCi/L	09/30/21 11:24	

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

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QUALITY CONTROL - RADIOCHEMISTRY

Project: MCDONOUGH RADS

Pace Project No.: 92561190

QC Batch: 466410

Analysis Method: EPA 9320

QC Batch Method: EPA 9320

Analysis Description: 9320 Radium 228

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples:

METHOD BLANK: 2252279

Matrix: Water

Associated Lab Samples:

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.420 ± 0.367 (0.738) C:65% T:90%	pCi/L	10/07/21 11:22	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: MCDONOUGH RADS

Pace Project No.: 92561190

QC Batch: 465348

Analysis Method: EPA 9320

QC Batch Method: EPA 9320

Analysis Description: 9320 Radium 228

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples:

METHOD BLANK: 2247079

Matrix: Water

Associated Lab Samples:

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.625 ± 0.317 (0.544) C:74% T:91%	pCi/L	10/06/21 11:18	

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: MCDONOUGH RADS

Pace Project No.: 92561190

QC Batch: 465347

Analysis Method: EPA 9315

QC Batch Method: EPA 9315

Analysis Description: 9315 Total Radium

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92561190001

METHOD BLANK: 2247077

Matrix: Water

Associated Lab Samples: 92561190001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.0279 ± 0.217 (0.589) C:92% T:NA	pCi/L	10/06/21 12:00	

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

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QUALITY CONTROL - RADIOCHEMISTRY

Project: MCDONOUGH RADS

Pace Project No.: 92561190

QC Batch: 465350

Analysis Method: EPA 9315

QC Batch Method: EPA 9315

Analysis Description: 9315 Total Radium

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples:

METHOD BLANK: 2247083

Matrix: Water

Associated Lab Samples:

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0502 ± 0.146 (0.360) C:88% T:NA	pCi/L	10/07/21 08:30	

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: MCDONOUGH RADS

Pace Project No.: 92561190

QC Batch: 465343

Analysis Method: EPA 9320

QC Batch Method: EPA 9320

Analysis Description: 9320 Radium 228

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92560765001

METHOD BLANK: 2247069

Matrix: Water

Associated Lab Samples: 92560765001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.209 ± 0.287 (0.612) C:69% T:89%	pCi/L	10/04/21 11:58	

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: MCDONOUGH RADS

Pace Project No.: 92561190

QC Batch: 466264

Analysis Method: EPA 9315

QC Batch Method: EPA 9315

Analysis Description: 9315 Total Radium

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples:

METHOD BLANK: 2251638

Matrix: Water

Associated Lab Samples:

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.284 ± 0.229 (0.421) C:95% T:NA	pCi/L	10/08/21 08:00	

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

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QUALITY CONTROL - RADIOCHEMISTRY

Project: MCDONOUGH RADS

Pace Project No.: 92561190

QC Batch: 465344	Analysis Method: EPA 9315
QC Batch Method: EPA 9315	Analysis Description: 9315 Total Radium
	Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92560765001

METHOD BLANK: 2247072 Matrix: Water

Associated Lab Samples: 92560765001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.00717 ± 0.168 (0.443) C:96% T:NA	pCi/L	10/06/21 08:19	

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

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QUALITY CONTROL - RADIOCHEMISTRY

Project: MCDONOUGH RADS

Pace Project No.: 92561190

QC Batch: 465342

Analysis Method: EPA 9315

QC Batch Method: EPA 9315

Analysis Description: 9315 Total Radium

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples:

METHOD BLANK: 2247068

Matrix: Water

Associated Lab Samples:

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.189 ± 0.181 (0.337) C:97% T:NA	pCi/L	10/06/21 08:11	

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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QUALIFIERS

Project: MCDONOUGH RADS

Pace Project No.: 92561190

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: MCDONOUGH RADS
Pace Project No.: 92561190

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92560765001	B-62	EPA 9315	465344		
92561190001	B-100	EPA 9315	465347		
92560765001	B-62	EPA 9320	465343		
92561190001	B-100	EPA 9320	465345		
92560765001	B-62	Total Radium Calculation	467213		
92561190001	B-100	Total Radium Calculation	467213		

REPORT OF LABORATORY ANALYSIS

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Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

Georgia Power

Project #

WO#: 92561190



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

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: *MT 9/18/20*

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

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

Cooler Temp: *3.4* Correction Factor: Add/Subtract (°C) *± 0.1*

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

Cooler Temp Corrected (°C): *3.5*

USDA Regulated Soil (N/A, water sample)

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

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

			Comments/Discrepancy:
Chain of Custody Present?	<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 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:	<i>WT</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: _____



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 Manor Road Atlanta, GA 30339 Email: jabraham@southernco.com Phone: (404) 506-7239 Requested Due Date: 10 Day TAT	Section B Required Project Information: Report To: Jody Abraham Copy To: Golder Purchase Order #: Plant McDonough B-62 and B-100 Project Name: Project #: 168849621	Section C Invoice Information: Address: Pace Project Manager: Kevin Herring Company Name: Pace Profile #: State / Location: GA
--	---	--

ITEM #	MATRIX	CODE	WT	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analyses Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	pH
								Unpreserved - Ice	H2SO4	HNO3 + Ice	HCl	NaOH + Zn Acetate	Na2S2O3	Methanol				
1	B-62		G	9/8/2021	15:45		5											
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

ADDITIONAL COMMENTS Aw 999 - New	REINDEQUISHED BY / AFFILIATION DATE TIME ACCEPTED BY / AFFILIATION DATE TIME SAMPLE CONDITIONS TEMP in C Received on Ice (Y/N) Custody Sealed Cooler (Y/N) Samples Intact (Y/N)
-------------------------------------	---

Jude Waguespack/ Golder

DATE Signed: _____



Document Name:
Sample Condition Upon Receipt(SCUR)
Document No.:
F-CAR-CS-033-Rev.07

Document Revised: October 28, 2020
Page 1 of 2
Issuing Authority:
Pace Carolinas Quality Office

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name: GA Power Project #:

WO# : 92561190
PM: NMG Due Date: 10/01/21
CLIENT: GA-GA Power

Courier: Commercial Fed Ex UPS USPS Client Pace Other:

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 9/14/21 KPW

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: IR Gun ID: THR214 Type of Ice: Wet Blue None

Cooler Temp: 3.3 Correction Factor: Add/Subtract (°C) -0.1

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

Cooler Temp Corrected (°C): 3.2

USDA Regulated Soil N/A, water sample)

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

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

	Comments/Discrepancy:
Chain of Custody Present?	<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. <u>10 Day TAT</u>
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:	<u>W</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

B-100 present, even though it is crossed out on the COC.

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

B-100 on separate project w/ B-62
New COC's received

Person contacted: Daniel Herrera Date/Time: 9/15/21 0901

Project Manager SCURF Review: _____

Date: _____

Project Manager SRF Review: _____

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: Georgia Power - Coal Combustion Residuals Address: 2480 Marner Road Atlanta, GA 30339

Section B Required Project Information: Report To: Judy Abraham Copy To: Golder

Section C Invoice Information: Attention: scservices@southemco.com Company Name: Address: Pace Quote: Pace Project Manager: Kevin Henning Pace Profile #: Requested Analysis Filtered (Y/N)

Page : 1 Of 1

Section A (continued): Email: jbruham@southemco.com Phone: (404) 506-7239 Requested Due Date: 10 Day TAT

Section B (continued): Purchase Order #: Project Name: Pace McDough B-102 and B-100

Section C (continued): Pace Project Manager: Kevin Henning 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)	pH = 5.27	
									Unpreserved - Ice	H2SO4	HNO3 + Ice	HCl	NaOH + Zn Acetate	Na2S2O3	Methanol					Other
1	B-100	WT	G	G	9/13/2021	16:55		5	2	3										
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				

ADDITIONAL COMMENTS: Aw 999 - new

RELINQUISHED BY / AFFILIATION: [Signature] DATE: 9/14/2021 TIME: 17:35

ACCEPTED BY / AFFILIATION: [Signature] DATE: 9/14/21 TIME: 4:35

TEMP in C: 3.2

Received on Ice (Y/N): Y

Custody Sealed Cooler (Y/N): N

Samples Intact (Y/N): Y

Jude Waguespack / Golder

DATE Signed: _____

Quality Control Sample Performance Assessment

Analyst *Must Manually Enter All Fields Highlighted in Yellow.*

Test: Ra-226
Analyst: CLA
Date: 9/28/2021
Worksheet: 62851
Matrix: DW



Method Blank Assessment	MB Sample ID: 224-10/77
	MB Concentration: -0.028
	M/R Counting Uncertainty: 0.217
	MB MDC: 0.589
MB Numerical Performance Indicator:	-0.25
MB Status vs Numerical Indicator:	N/A
MB Status vs MDC:	Pass

Laboratory Control Sample Assessment	LCS ID or #17		Y
	LCS62851	LCS062851	
Count Date:	10/7/2021	10/7/2021	
Spike I.D.:	19-033	19-033	
Decay Corrected Spike Concentration (pCi/ml)	24.033	24.033	
Volume Used (mL)	0.10	0.10	
Aliquot Volume (L, g, F)	0.508	0.508	
Target Conc. (pCi/L, g, F)	4.792	4.734	
Uncertainty (Calculated)	0.098	0.087	
Result (pCi/L, g, F)	4.037	4.418	
LCS01 CSO Counting Uncertainty (pCi/L, g, F)	0.623	0.646	
Numerical Performance Indicator	-2.37	-0.95	
Percent Recovery:	84.25%	93.33%	
Status vs Numerical Indicator:	N/A	N/A	
Status vs Recovery:	Pass	Pass	
Upper % Recovery Limits:	125%	125%	
Lower % Recovery Limits:	75%	75%	

Duplicate Sample Assessment	LCS ID or #17	Y
Sample I.D.:	LCS62851	
Duplicate Sample I.D.:	92560766014	
Sample Result (pCi/L, g, F):	4.037	0.428
Sample Result Counting Uncertainty (pCi/L, g, F):	0.623	0.225
Sample Duplicate Result (pCi/L, g, F):	4.418	0.178
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F):	0.646	0.185
Ave sample and/or duplicate results below RL?	NO	See Below
Duplicate Numerical Performance Indicator:	-0.832	1.678 OK
(Based on the LCS01 Percent Recovery) Duplicate RPD:	10.22%	82.99%
Duplicate Status vs Numerical Indicator:	N/A	N/A
Duplicate Status vs RPD:	Pass	Fail**
% RPD Limit:	25%	25%

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

Comments:

*** <http://www.paceservices.com>

Sample Matrix Spike Control Assessment	MSMSD 1	MSMSD 2
<p>Sample Collection Date:</p> <p>Sample I.D.:</p> <p>Sample MS I.D.:</p> <p>Sample MS2 I.D.:</p> <p>Spike I.D.:</p> <p>MSMSD 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>MSD Aliquot (L, g, F):</p> <p>MS Target Conc (pCi/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 Counting Uncertainty (pCi/L, g, F):</p> <p>Sample Matrix Spike Result:</p> <p>Matrix Spike Result Counting Uncertainty (pCi/L, g, F):</p> <p>Matrix Spike Duplicate Result:</p> <p>Matrix Spike Duplicate Result Counting Uncertainty (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>MSMSD Upper % Recovery Limits:</p> <p>MSMSD Lower % Recovery Limits:</p>		

Matrix Spike/Matrix Spike Duplicate Sample Assessment
<p>Sample I.D.:</p> <p>Sample MS I.D.:</p> <p>Sample MS2 I.D.:</p> <p>Matrix Spike Result Counting Uncertainty (pCi/L, g, F):</p> <p>Matrix Matrix Spike Duplicate Result:</p> <p>Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):</p> <p>Duplicate Numerical Performance Indicator:</p> <p>(Based on the Percent Recovery) MS: MSD Duplicate RPD:</p> <p>MS: MSD Duplicate Status vs Numerical Indicator:</p> <p>MS: MSD Duplicate Status vs RPD:</p> <p>% RPD Limit:</p>

Comments: LMSD, N/A

10/27/21
C/M

LAM 10/17/21

Quality Control Sample Performance Assessment

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: **Re-228**
 Analyst: **JC2**
 Date: **10/17/2021**
 Worksheet: **62848**
 Matrix: **WI**



Method Blank Assessment

MB Sample ID	2247069
MB concentration	0.208
MB 2 Sigma CSU	0.287
MB MDC	0.612
MB Numerical Performance Indicator	1.43
MB Status vs Numerical Indicator	Pass
MB Status vs MDC	Pass

Laboratory Control Sample Assessment

	LCS0 (Y or N/P)	Y
Count Data	10/4/2021	LCS062848
Decay Corrected Spike Concentration (pCi/mL)	21-029	21-029
Volume Used (mL)	37.973	37.973
Aliquot Volume (L, g, F)	0.10	0.10
Target Conc (pCi/L, g, F)	0.807	0.812
Uncertainty (Calculated)	4.703	4.876
Result (pCi/L, g, F)	0.236	0.229
Numerical Performance Indicator	3.772	4.931
Percent Recovery	0.892	1.094
Status vs Numerical Indicator	-1.98	0.45
Upper % Recovery Limit	80.20%	105.45%
Lower % Recovery Limit	Pass	Pass
	135%	135%
	60%	60%

Duplicate Sample Assessment

Sample ID	LCS02848	LCSD62848
Duplicate Sample ID	LCS062848	LCSD62848
Sample Result (pCi/L, g, F)	3.772	3.772
Sample Duplicate Result (pCi/L, g, F)	4.931	4.931
Sample Duplicate Result 2 (pCi/L, g, F)	1.094	1.094
Are sample and/or duplicate results below RL?	NO	NO
Duplicate Numerical Performance Indicator	-1.609	-1.609
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:

Sample Matrix Spike Control Assessment

Sample Collection Date		MS/MSD 1	MS/MSD 2
Sample ID			
Sample MS ID			
Sample MSD ID			
Spike ID			
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)			
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			
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 Limit			
MS/MSD Lower % Recovery Limit			

Matrix Spike/Matrix Spike Duplicate Sample Assessment

Sample ID	
Sample MS ID	
Sample MSD ID	
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 Status vs Numerical Indicator	
Duplicate Status vs RPD	
% RPD Limit	

10/10/21
 JC2

September 17, 2021

Kelley Sharpe
ARCADIS - Atlanta
2839 Paces Ferry Rd
STE 900
Atlanta, GA 30339

RE: Project: Plant McDonough CCR-Ash Pond
Pace Project No.: 92559852

Dear Kelley Sharpe:

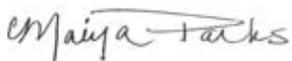
Enclosed are the analytical results for sample(s) received by the laboratory on September 08, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise 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)734-4200
Project Manager

Enclosures

cc: Joju Abraham, Georgia Power-CCR
Ben Hodges, Georgia Power
Warren Johnson, ARCADIS - Atlanta



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Plant McDonough CCR-Ash Pond

Pace Project No.: 92559852

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 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

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Plant McDonough CCR-Ash Pond

Pace Project No.: 92559852

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92559852001	CR+0.4	Water	09/07/21 14:56	09/08/21 12:45
92559852002	CR+0.2	Water	09/07/21 15:03	09/08/21 12:45
92559852003	CR-0.1	Water	09/07/21 15:08	09/08/21 12:45
92559852004	DW_DS	Water	09/07/21 15:10	09/08/21 12:45
92559852005	DW_US	Water	09/07/21 15:18	09/08/21 12:45
92559852006	CR-0.2	Water	09/07/21 15:23	09/08/21 12:45
92559852007	CR-0.5	Water	09/07/21 15:29	09/08/21 12:45

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Plant McDonough CCR-Ash Pond
Pace Project No.: 92559852

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92559852001	CR+0.4	EPA 6010D	DRB	4	PASI-GA
		EPA 6020B	CW1	4	PASI-GA
		SM 2540C-2011	ALW	1	PASI-GA
		SM 2320B-2011	ECH	2	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
92559852002	CR+0.2	EPA 6010D	DRB	4	PASI-GA
		EPA 6020B	CW1	4	PASI-GA
		SM 2540C-2011	ALW	1	PASI-GA
		SM 2320B-2011	ECH	2	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
92559852003	CR-0.1	EPA 6010D	DRB	4	PASI-GA
		EPA 6020B	CW1	2	PASI-GA
		SM 2540C-2011	ALW	1	PASI-GA
		SM 2320B-2011	ECH	2	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
92559852004	DW_DS	EPA 6010D	DRB	4	PASI-GA
		EPA 6020B	CW1	2	PASI-GA
		SM 2540C-2011	ALW	1	PASI-GA
		SM 2320B-2011	ECH	2	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
92559852005	DW_US	EPA 6010D	DRB	4	PASI-GA
		EPA 6020B	CW1	2	PASI-GA
		SM 2540C-2011	ALW	1	PASI-GA
		SM 2320B-2011	ECH	2	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
92559852006	CR-0.2	EPA 6010D	DRB	4	PASI-GA
		EPA 6020B	CW1	4	PASI-GA
		SM 2540C-2011	ALW	1	PASI-GA
		SM 2320B-2011	ECH	2	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
92559852007	CR-0.5	EPA 6010D	DRB	4	PASI-GA
		EPA 6020B	CW1	4	PASI-GA
		SM 2540C-2011	ALW	1	PASI-GA
		SM 2320B-2011	ECH	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.: 92559852

Sample: CR+0.4	Lab ID: 92559852001	Collected: 09/07/21 14:56		Received: 09/08/21 12:45		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								
Potassium	3.4	mg/L	0.20	1	09/09/21 11:55	09/09/21 19:05	7440-09-7	
Sodium	10.0	mg/L	1.0	1	09/09/21 11:55	09/09/21 19:05	7440-23-5	
Calcium	6.7	mg/L	1.0	1	09/09/21 11:55	09/09/21 19:05	7440-70-2	
Magnesium	2.9	mg/L	0.050	1	09/09/21 11:55	09/09/21 19:05	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	09/09/21 11:50	09/09/21 22:13	7440-38-2	
Boron	ND	mg/L	0.040	1	09/09/21 11:50	09/09/21 22:13	7440-42-8	
Cobalt	ND	mg/L	0.0050	1	09/09/21 11:50	09/09/21 22:13	7440-48-4	
Molybdenum	ND	mg/L	0.010	1	09/09/21 11:50	09/09/21 22:13	7439-98-7	
2540C Total Dissolved Solids								
Analytical Method: SM 2540C-2011								
Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	77.0	mg/L	10.0	1		09/09/21 19:53		
2320B Alkalinity								
Analytical Method: SM 2320B-2011								
Pace Analytical Services - Asheville								
Alkalinity, Bicarbonate (CaCO ₃)	26.6	mg/L	5.0	1		09/10/21 15:45		
Alkalinity, Total as CaCO ₃	26.6	mg/L	5.0	1		09/10/21 15:45		
300.0 IC Anions 28 Days								
Analytical Method: EPA 300.0 Rev 2.1 1993								
Pace Analytical Services - Asheville								
Chloride	9.9	mg/L	1.0	1		09/09/21 22:25	16887-00-6	
Fluoride	0.14	mg/L	0.10	1		09/09/21 22:25	16984-48-8	
Sulfate	7.0	mg/L	1.0	1		09/09/21 22:25	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Plant McDonough CCR-Ash Pond

Pace Project No.: 92559852

Sample: CR+0.2	Lab ID: 92559852002	Collected: 09/07/21 15:03	Received: 09/08/21 12:45	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									
Potassium	3.3	mg/L	0.20	1	09/09/21 11:55	09/09/21 19:09	7440-09-7		
Sodium	9.9	mg/L	1.0	1	09/09/21 11:55	09/09/21 19:09	7440-23-5		
Calcium	6.6	mg/L	1.0	1	09/09/21 11:55	09/09/21 19:09	7440-70-2		
Magnesium	2.7	mg/L	0.050	1	09/09/21 11:55	09/09/21 19:09	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	09/09/21 11:50	09/09/21 22:19	7440-38-2		
Boron	ND	mg/L	0.040	1	09/09/21 11:50	09/09/21 22:19	7440-42-8		
Cobalt	ND	mg/L	0.0050	1	09/09/21 11:50	09/09/21 22:19	7440-48-4		
Molybdenum	ND	mg/L	0.010	1	09/09/21 11:50	09/09/21 22:19	7439-98-7		
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	73.0	mg/L	10.0	1		09/09/21 19:53			
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO ₃)	26.9	mg/L	5.0	1		09/10/21 15:50			
Alkalinity, Total as CaCO ₃	26.9	mg/L	5.0	1		09/10/21 15:50			
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	9.7	mg/L	1.0	1		09/09/21 22:45	16887-00-6		
Fluoride	0.14	mg/L	0.10	1		09/09/21 22:45	16984-48-8		
Sulfate	6.4	mg/L	1.0	1		09/09/21 22:45	14808-79-8	M1	

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ANALYTICAL RESULTS

Project: Plant McDonough CCR-Ash Pond

Pace Project No.: 92559852

Sample: CR-0.1	Lab ID: 92559852003	Collected: 09/07/21 15:08	Received: 09/08/21 12:45	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								
Potassium	3.2	mg/L	0.20	1	09/09/21 11:55	09/09/21 19:14	7440-09-7	
Sodium	9.4	mg/L	1.0	1	09/09/21 11:55	09/09/21 19:14	7440-23-5	
Calcium	6.6	mg/L	1.0	1	09/09/21 11:55	09/09/21 19:14	7440-70-2	
Magnesium	2.7	mg/L	0.050	1	09/09/21 11:55	09/09/21 19:14	7439-95-4	
6020 MET ICPMS								
Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Pace Analytical Services - Peachtree Corners, GA								
Boron	ND	mg/L	0.040	1	09/09/21 11:50	09/09/21 22:36	7440-42-8	
Cobalt	ND	mg/L	0.0050	1	09/09/21 11:50	09/09/21 22:36	7440-48-4	
2540C Total Dissolved Solids								
Analytical Method: SM 2540C-2011								
Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	78.0	mg/L	10.0	1		09/09/21 19:54		
2320B Alkalinity								
Analytical Method: SM 2320B-2011								
Pace Analytical Services - Asheville								
Alkalinity, Bicarbonate (CaCO ₃)	26.8	mg/L	5.0	1		09/10/21 15:56		
Alkalinity, Total as CaCO ₃	26.8	mg/L	5.0	1		09/10/21 15:56		
300.0 IC Anions 28 Days								
Analytical Method: EPA 300.0 Rev 2.1 1993								
Pace Analytical Services - Asheville								
Chloride	9.8	mg/L	1.0	1		09/09/21 23:51	16887-00-6	
Fluoride	0.14	mg/L	0.10	1		09/09/21 23:51	16984-48-8	
Sulfate	8.0	mg/L	1.0	1		09/09/21 23:51	14808-79-8	

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ANALYTICAL RESULTS

Project: Plant McDonough CCR-Ash Pond
Pace Project No.: 92559852

Sample: DW_DS	Lab ID: 92559852004	Collected: 09/07/21 15:10	Received: 09/08/21 12:45	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								
Potassium	3.2	mg/L	0.20	1	09/09/21 11:55	09/09/21 19:19	7440-09-7	
Sodium	9.6	mg/L	1.0	1	09/09/21 11:55	09/09/21 19:19	7440-23-5	
Calcium	7.3	mg/L	1.0	1	09/09/21 11:55	09/09/21 19:19	7440-70-2	
Magnesium	2.9	mg/L	0.050	1	09/09/21 11:55	09/09/21 19:19	7439-95-4	
6020 MET ICPMS								
Analytical Method: EPA 6020B Preparation Method: EPA 3005A								
Pace Analytical Services - Peachtree Corners, GA								
Boron	ND	mg/L	0.040	1	09/09/21 11:50	09/09/21 22:41	7440-42-8	
Cobalt	ND	mg/L	0.0050	1	09/09/21 11:50	09/09/21 22:41	7440-48-4	
2540C Total Dissolved Solids								
Analytical Method: SM 2540C-2011								
Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	83.0	mg/L	10.0	1		09/09/21 19:54		
2320B Alkalinity								
Analytical Method: SM 2320B-2011								
Pace Analytical Services - Asheville								
Alkalinity, Bicarbonate (CaCO ₃)	26.4	mg/L	5.0	1		09/10/21 16:02		
Alkalinity, Total as CaCO ₃	26.4	mg/L	5.0	1		09/10/21 16:02		
300.0 IC Anions 28 Days								
Analytical Method: EPA 300.0 Rev 2.1 1993								
Pace Analytical Services - Asheville								
Chloride	9.8	mg/L	1.0	1		09/10/21 00:16	16887-00-6	
Fluoride	0.14	mg/L	0.10	1		09/10/21 00:16	16984-48-8	
Sulfate	10.4	mg/L	1.0	1		09/10/21 00:16	14808-79-8	

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ANALYTICAL RESULTS

Project: Plant McDonough CCR-Ash Pond
Pace Project No.: 92559852

Sample: DW_US		Lab ID: 92559852005	Collected: 09/07/21 15:18	Received: 09/08/21 12:45	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						
Potassium	3.4	mg/L	0.20	1	09/09/21 11:55	09/09/21 19:24	7440-09-7	
Sodium	10.1	mg/L	1.0	1	09/09/21 11:55	09/09/21 19:24	7440-23-5	
Calcium	6.7	mg/L	1.0	1	09/09/21 11:55	09/09/21 19:24	7440-70-2	
Magnesium	2.8	mg/L	0.050	1	09/09/21 11:55	09/09/21 19:24	7439-95-4	
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA						
Boron	0.073	mg/L	0.040	1	09/09/21 11:50	09/09/21 22:47	7440-42-8	
Cobalt	ND	mg/L	0.0050	1	09/09/21 11:50	09/09/21 22:47	7440-48-4	
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA						
Total Dissolved Solids	82.0	mg/L	10.0	1		09/09/21 19:54		
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville						
Alkalinity, Bicarbonate (CaCO ₃)	28.0	mg/L	5.0	1		09/10/21 16:27		
Alkalinity, Total as CaCO ₃	28.0	mg/L	5.0	1		09/10/21 16:27		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville						
Chloride	9.9	mg/L	1.0	1		09/10/21 01:37	16887-00-6	
Fluoride	0.14	mg/L	0.10	1		09/10/21 01:37	16984-48-8	
Sulfate	6.5	mg/L	1.0	1		09/10/21 01:37	14808-79-8	

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ANALYTICAL RESULTS

Project: Plant McDonough CCR-Ash Pond

Pace Project No.: 92559852

Sample: CR-0.2	Lab ID: 92559852006	Collected: 09/07/21 15:23	Received: 09/08/21 12:45	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								
Potassium	3.3	mg/L	0.20	1	09/09/21 11:55	09/09/21 19:28	7440-09-7	
Sodium	9.7	mg/L	1.0	1	09/09/21 11:55	09/09/21 19:28	7440-23-5	
Calcium	6.6	mg/L	1.0	1	09/09/21 11:55	09/09/21 19:28	7440-70-2	
Magnesium	2.8	mg/L	0.050	1	09/09/21 11:55	09/09/21 19:28	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	09/09/21 11:50	09/09/21 22:53	7440-38-2	
Boron	0.046	mg/L	0.040	1	09/09/21 11:50	09/09/21 22:53	7440-42-8	
Cobalt	ND	mg/L	0.0050	1	09/09/21 11:50	09/09/21 22:53	7440-48-4	
Selenium	ND	mg/L	0.0050	1	09/09/21 11:50	09/09/21 22:53	7782-49-2	
2540C Total Dissolved Solids								
Analytical Method: SM 2540C-2011								
Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	77.0	mg/L	10.0	1		09/13/21 17:34		
2320B Alkalinity								
Analytical Method: SM 2320B-2011								
Pace Analytical Services - Asheville								
Alkalinity, Bicarbonate (CaCO ₃)	27.5	mg/L	5.0	1		09/10/21 16:33		
Alkalinity, Total as CaCO ₃	27.5	mg/L	5.0	1		09/10/21 16:33		
300.0 IC Anions 28 Days								
Analytical Method: EPA 300.0 Rev 2.1 1993								
Pace Analytical Services - Asheville								
Chloride	9.8	mg/L	1.0	1		09/10/21 01:53	16887-00-6	
Fluoride	0.13	mg/L	0.10	1		09/10/21 01:53	16984-48-8	
Sulfate	7.3	mg/L	1.0	1		09/10/21 01:53	14808-79-8	

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ANALYTICAL RESULTS

Project: Plant McDonough CCR-Ash Pond

Pace Project No.: 92559852

Sample: CR-0.5	Lab ID: 92559852007	Collected: 09/07/21 15:29	Received: 09/08/21 12:45	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								
Potassium	3.1	mg/L	0.20	1	09/09/21 11:55	09/09/21 19:33	7440-09-7	
Sodium	9.2	mg/L	1.0	1	09/09/21 11:55	09/09/21 19:33	7440-23-5	
Calcium	6.5	mg/L	1.0	1	09/09/21 11:55	09/09/21 19:33	7440-70-2	
Magnesium	2.6	mg/L	0.050	1	09/09/21 11:55	09/09/21 19:33	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	09/09/21 11:50	09/09/21 22:59	7440-38-2	
Boron	ND	mg/L	0.040	1	09/09/21 11:50	09/09/21 22:59	7440-42-8	
Cobalt	ND	mg/L	0.0050	1	09/09/21 11:50	09/09/21 22:59	7440-48-4	
Selenium	ND	mg/L	0.0050	1	09/09/21 11:50	09/09/21 22:59	7782-49-2	
2540C Total Dissolved Solids								
Analytical Method: SM 2540C-2011								
Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	75.0	mg/L	10.0	1		09/13/21 17:34		
2320B Alkalinity								
Analytical Method: SM 2320B-2011								
Pace Analytical Services - Asheville								
Alkalinity, Bicarbonate (CaCO ₃)	27.1	mg/L	5.0	1		09/10/21 16:48		
Alkalinity, Total as CaCO ₃	27.1	mg/L	5.0	1		09/10/21 16:48		
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		09/10/21 02:09	16887-00-6	
Fluoride	0.14	mg/L	0.10	1		09/10/21 02:09	16984-48-8	
Sulfate	6.3	mg/L	1.0	1		09/10/21 02:09	14808-79-8	

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QUALITY CONTROL DATA

Project: Plant McDonough CCR-Ash Pond

Pace Project No.: 92559852

QC Batch: 645863 Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A Analysis Description: 6010D ATL
Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92559852001, 92559852002, 92559852003, 92559852004, 92559852005, 92559852006, 92559852007

METHOD BLANK: 3387833

Matrix: Water

Associated Lab Samples: 92559852001, 92559852002, 92559852003, 92559852004, 92559852005, 92559852006, 92559852007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	09/09/21 16:55	
Magnesium	mg/L	ND	0.050	09/09/21 16:55	
Potassium	mg/L	ND	0.20	09/09/21 16:55	
Sodium	mg/L	ND	1.0	09/09/21 16:55	

LABORATORY CONTROL SAMPLE: 3387834

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	105	80-120	
Magnesium	mg/L	1	1.1	106	80-120	
Potassium	mg/L	1	1.1	105	80-120	
Sodium	mg/L	1	1.1	108	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3387835 3387836

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92558259003 Result	Spike Conc.	Spike Conc.	Result						
Calcium	mg/L	11.0	1	1	12.0	12.1	103	112	75-125	1	20
Magnesium	mg/L	36.1	1	1	37.0	36.6	92	43	75-125	1	20 M1
Potassium	mg/L	6.1	1	1	7.1	7.0	102	90	75-125	2	20
Sodium	mg/L	24.9	1	1	25.9	25.3	101	40	75-125	2	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 McDonough CCR-Ash Pond

Pace Project No.: 92559852

QC Batch: 645868 Analysis Method: EPA 6020B
 QC Batch Method: EPA 3005A Analysis Description: 6020 MET
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92559852001, 92559852002, 92559852003, 92559852004, 92559852005, 92559852006, 92559852007

METHOD BLANK: 3387883 Matrix: Water
 Associated Lab Samples: 92559852001, 92559852002, 92559852003, 92559852004, 92559852005, 92559852006, 92559852007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.0050	09/09/21 20:18	
Boron	mg/L	ND	0.040	09/09/21 20:18	
Cobalt	mg/L	ND	0.0050	09/09/21 20:18	
Molybdenum	mg/L	ND	0.010	09/09/21 20:18	
Selenium	mg/L	ND	0.0050	09/09/21 20:18	

LABORATORY CONTROL SAMPLE: 3387884

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	0.1	0.096	96	80-120	
Boron	mg/L	1	0.95	95	80-120	
Cobalt	mg/L	0.1	0.10	100	80-120	
Molybdenum	mg/L	0.1	0.11	107	80-120	
Selenium	mg/L	0.1	0.096	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3387885 3387886

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92558259007 Result	Spike Conc.	Spike Conc.	Result						
Arsenic	mg/L	0.0013J	0.1	0.1	0.098	0.098	97	97	75-125	0	20
Boron	mg/L	6.1	1	1	7.4	7.1	131	100	75-125	4	20 M1
Cobalt	mg/L	ND	0.1	0.1	0.096	0.096	96	96	75-125	0	20
Molybdenum	mg/L	ND	0.1	0.1	0.11	0.11	110	106	75-125	4	20
Selenium	mg/L	0.060	0.1	0.1	0.15	0.16	92	95	75-125	2	20

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Plant McDonough CCR-Ash Pond
Pace Project No.: 92559852

QC Batch: 646143 Analysis Method: SM 2540C-2011
QC Batch Method: SM 2540C-2011 Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92559852001, 92559852002, 92559852003, 92559852004, 92559852005

METHOD BLANK: 3389158 Matrix: Water
Associated Lab Samples: 92559852001, 92559852002, 92559852003, 92559852004, 92559852005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	09/09/21 19:50	

LABORATORY CONTROL SAMPLE: 3389159

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	387	97	90-111	

SAMPLE DUPLICATE: 3389160

Parameter	Units	92560175001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	106000	138000	26	10	D6

SAMPLE DUPLICATE: 3389161

Parameter	Units	92559795003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	43.0	114	90	10	D6

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QUALITY CONTROL DATA

Project: Plant McDonough CCR-Ash Pond
Pace Project No.: 92559852

QC Batch: 646764 Analysis Method: SM 2540C-2011
QC Batch Method: SM 2540C-2011 Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92559852006, 92559852007

METHOD BLANK: 3392639 Matrix: Water

Associated Lab Samples: 92559852006, 92559852007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	09/13/21 17:34	

LABORATORY CONTROL SAMPLE: 3392640

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	410	102	90-111	

SAMPLE DUPLICATE: 3392641

Parameter	Units	92560619001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	506	546	8	10	

SAMPLE DUPLICATE: 3392642

Parameter	Units	92560079008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	70.0	91.0	26	10 D6	

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QUALITY CONTROL DATA

Project: Plant McDonough CCR-Ash Pond

Pace Project No.: 92559852

QC Batch: 646357 Analysis Method: SM 2320B-2011
 QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92559852001, 92559852002, 92559852003, 92559852004, 92559852005, 92559852006, 92559852007

METHOD BLANK: 3390316 Matrix: Water
 Associated Lab Samples: 92559852001, 92559852002, 92559852003, 92559852004, 92559852005, 92559852006, 92559852007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	09/10/21 13:46	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	09/10/21 13:46	

LABORATORY CONTROL SAMPLE: 3390317

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.2	104	80-120	

LABORATORY CONTROL SAMPLE: 3390318

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.6	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3390319 3390320

Parameter	Units	92559814001 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	60.1	50	50	109	111	98	101	80-120	2	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3390321 3390322

Parameter	Units	92559852004 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	26.4	50	50	77.2	78.1	102	103	80-120	1	25	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Plant McDonough CCR-Ash Pond
Pace Project No.: 92559852

QC Batch: 646085 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: 92559852001, 92559852002, 92559852003, 92559852004, 92559852005, 92559852006, 92559852007

METHOD BLANK: 3388761 Matrix: Water
Associated Lab Samples: 92559852001, 92559852002, 92559852003, 92559852004, 92559852005, 92559852006, 92559852007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	09/09/21 17:24	
Fluoride	mg/L	ND	0.10	09/09/21 17:24	
Sulfate	mg/L	ND	1.0	09/09/21 17:24	

LABORATORY CONTROL SAMPLE: 3388762

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.8	100	90-110	
Fluoride	mg/L	2.5	2.4	96	90-110	
Sulfate	mg/L	50	50.8	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3388763 3388764

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92559773002	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	34.7	50	50	87.2	87.7	105	106	90-110	1	10		
Fluoride	mg/L	0.61	2.5	2.5	3.3	3.3	107	106	90-110	1	10		
Sulfate	mg/L	135	50	50	184	184	98	99	90-110	0	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3388765 3388766

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92559852002	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	9.7	50	50	62.5	63.9	106	108	90-110	2	10		
Fluoride	mg/L	0.14	2.5	2.5	2.7	2.8	102	105	90-110	3	10		
Sulfate	mg/L	6.4	50	50	61.0	62.2	109	112	90-110	2	10 M1		

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Plant McDonough CCR-Ash Pond

Pace Project No.: 92559852

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.: 92559852

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92559852001	CR+0.4	EPA 3010A	645863	EPA 6010D	646176
92559852002	CR+0.2	EPA 3010A	645863	EPA 6010D	646176
92559852003	CR-0.1	EPA 3010A	645863	EPA 6010D	646176
92559852004	DW_DS	EPA 3010A	645863	EPA 6010D	646176
92559852005	DW_US	EPA 3010A	645863	EPA 6010D	646176
92559852006	CR-0.2	EPA 3010A	645863	EPA 6010D	646176
92559852007	CR-0.5	EPA 3010A	645863	EPA 6010D	646176
92559852001	CR+0.4	EPA 3005A	645868	EPA 6020B	646190
92559852002	CR+0.2	EPA 3005A	645868	EPA 6020B	646190
92559852003	CR-0.1	EPA 3005A	645868	EPA 6020B	646190
92559852004	DW_DS	EPA 3005A	645868	EPA 6020B	646190
92559852005	DW_US	EPA 3005A	645868	EPA 6020B	646190
92559852006	CR-0.2	EPA 3005A	645868	EPA 6020B	646190
92559852007	CR-0.5	EPA 3005A	645868	EPA 6020B	646190
92559852001	CR+0.4	SM 2540C-2011	646143		
92559852002	CR+0.2	SM 2540C-2011	646143		
92559852003	CR-0.1	SM 2540C-2011	646143		
92559852004	DW_DS	SM 2540C-2011	646143		
92559852005	DW_US	SM 2540C-2011	646143		
92559852006	CR-0.2	SM 2540C-2011	646764		
92559852007	CR-0.5	SM 2540C-2011	646764		
92559852001	CR+0.4	SM 2320B-2011	646357		
92559852002	CR+0.2	SM 2320B-2011	646357		
92559852003	CR-0.1	SM 2320B-2011	646357		
92559852004	DW_DS	SM 2320B-2011	646357		
92559852005	DW_US	SM 2320B-2011	646357		
92559852006	CR-0.2	SM 2320B-2011	646357		
92559852007	CR-0.5	SM 2320B-2011	646357		
92559852001	CR+0.4	EPA 300.0 Rev 2.1 1993	646085		
92559852002	CR+0.2	EPA 300.0 Rev 2.1 1993	646085		
92559852003	CR-0.1	EPA 300.0 Rev 2.1 1993	646085		
92559852004	DW_DS	EPA 300.0 Rev 2.1 1993	646085		
92559852005	DW_US	EPA 300.0 Rev 2.1 1993	646085		
92559852006	CR-0.2	EPA 300.0 Rev 2.1 1993	646085		
92559852007	CR-0.5	EPA 300.0 Rev 2.1 1993	646085		

REPORT OF LABORATORY ANALYSIS

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Document Name:
Sample Condition Upon Receipt (SCUR)

Document Revised: October 28, 2020
Page 1 of 2

Document No.:
F-CAR-CS-033-Rev.07

Issuing Authority:
Pace Carolinas Quality Office

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition
Upon Receipt

Client Name:

Arcadia's

Project #:

WO# : 92559852

PH: MP

Due Date: 09/15/21

CLIENT: GA-ArcadATI

Courier: Fed Ex UPS USPS Client
 Commercial Trace Other: _____

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: *9/13/21 CSV*

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

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

Cooler Temp: 1.6 Correction Factor: Add/Subtract (°C) -0.1

Temp should be above freezing to 6°C

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

Cooler Temp Corrected (°C): 1.5

USDA Registered Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)?

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 type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
- Includes Date/Time/ID/Analysis Matrix: <i>W</i>		10.
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: _____



Document Name:
Sample Condition Upon Receipt(SCUR)

Document Revised: October 28, 2020
Page 2 of 2

Document No.:
F-CAR-CS-033-Rev.07

Issuing Authority:
Pace Carolinas Quality Office

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

Project #

WO#: 92559852

PH: MP

Due Date: 09/15/21

CLIENT: GA-ArcadRI

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

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

Item#	Item Description	1	2	3	4	5	6	7	8	9	10	11	12
BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)		2											
BP3U-250 mL Plastic Unpreserved (N/A)		2											
BP2U-500 mL Plastic Unpreserved (N/A)													
BP1U-1 liter Plastic Unpreserved (N/A)													
BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)													
BP3M-250 mL plastic HNO3 (pH < 2)													
BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)													
BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)													
WGFU-Wide-mouthed Glass Jar Unpreserved													
AG2U-1 liter Amber Unpreserved (N/A) (Cl-)													
AG1M-1 liter Amber HCl (pH < 2)													
AG2U-250 mL Amber Unpreserved (N/A) (Cl-)													
AG1S-1 liter Amber H2SO4 (pH < 2)													
AG3S-250 mL Amber H2SO4 (pH < 2)													
AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)													
DG9H-40 mL VOA HCl (N/A)													
VG9T-40 mL VOA Na2S2O3 (N/A)													
VG9U-40 mL VOA Urp (N/A)													
DG9P-40 mL VOA H3PO4 (N/A)													
VOAK (6 vials per kit)-5035 kit (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)													
BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)													
AG0U-100 mL Amber Unpreserved vials (N/A)													
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 DENNR Certification Office (i.e. Out of box, incorrect preservative, out of temp, incorrect containers)

APPENDIX B

Data Validation Summaries

Quality Control Review of Analytical Data- Ash Pond AP-2, 3/4 Submitted by Pace Analytical Services, LLC September 2021

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, 3/4 (Site) between September 8, 2021 and September 16, 2021. 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. 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) and Radium-228 (USEPA Method 9320).

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.
Field Precision:	Field goals for precision were met.
Accuracy:	Laboratory goals for accuracy were met with the exception of lithium, chloride, fluoride, and sulfate as described in the qualification sections below.
Detection Limits:	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.
Completeness:	There were no rejected analytical results for this event, resulting in a completion of 100%.

Holding Times: All holding time requirements were met in accordance with specific analytical methods, with the exception of TDS, 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; however, the concentration reported is an estimated value.
- U** The analyte was not detected above the method detection limit.

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 and reported in SDGs 92560136, 92560137, 92560138, 92560139, 92560765, 92560766, 92560768, 92560774, 92561190 and 92561195 qualifications may not have been required or applied to all samples collected. A summary of sample qualifications can be found in Table 2.

- The TDS result in sample B-56 from SDG 92560768 was qualified as estimated (J) as the sample had to be re-analyzed outside of holding time. The original TDS result was deemed un-reportable by the lab due to a suspected manufacturing error of laboratory materials.
- Certain chloride and fluoride results from SDGs 92560768 and 92560774 were qualified as estimated and biased high (J+) as the associated matrix spike/matrix spike duplicate (MS/MSD) recoveries were above the QC criteria.
- Certain lithium, chloride, fluoride, and sulfate results from SDGs 92560768 and 92560774 were qualified as estimated and biased low (J-) as the associated matrix spike/matrix spike duplicate (MS/MSD) recoveries were below the QC criteria.
- Certain radium-228, radium-226, and total radium results in SDGs 92560765 and 92560766 were qualified as non-detect (U) when either radium-226 or radium-228 was detected at a similar concentration in an associated blank sample. As shown in Table 2, the minimum detectable concentration (MDC) was raised to the sample result as part of the (U) qualification process.
- The total radium result in SDG 92560765 was qualified estimated biased high (J+) for associated blank contaminations.

Golder reviewed the data from samples collected at Plant McDonough CCR Ash Pond AP-2, 3/4 between September 8, 2021 and September 16, 2021 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.

USEPA, January 2017, National, Office of Superfund Remediation and Technology Innovation, *National Functional Guidelines for Inorganic Superfund Methods Data Review*, Revision 0.0.

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**

SDGs	Field Identification	Collection Date	Lab Identification	Matrix	QC Samples	Analyses							
						Field pH	Total Metals (SW 6020B)	Calcium (SW 6010D)	Anions (EPA 300.0)	Total Mercury (SW 7470A)	TDS (SM 2540C-2011)	Radium-226 (EPA 9315)	Radium-228 (EPA 9320)
92561195	B-100	9/13/2021	92561195001	GW	-	X	X	X	X	X	X	-	-
92561195	B-62	9/9/2021	92560768001	GW	-	X	X	X	X	X	X	-	-
92561190	B-100	9/13/2021	92561190001	GW	-	-	-	-	-	-	-	X	X
92561190	B-62	9/9/2021	92560765001	GW	-	-	-	-	-	-	-	X	X
92560138	DGWA-71	9/8/2021	92560138001	GW	-	X	X	X	X	X	X	-	-
92560138	DGWA-53	9/9/2021	92560138002	GW	-	X	X	X	X	X	X	-	-
92560138	DGWA-70A	9/9/2021	92560138003	GW	-	X	X	X	X	X	X	-	-
92560136	DGWA-71	9/8/2021	92560136001	GW	-	-	-	-	-	-	-	X	X
92560136	DGWA-53	9/9/2021	92560136002	GW	-	-	-	-	-	-	-	X	X
92560136	DGWA-70A	9/9/2021	92560136003	GW	-	-	-	-	-	-	-	X	X
92560139	B-117D	9/8/2021	92560139001	GW	-	X	X	X	X	X	X	-	-
92560139	B-118	9/8/2021	92560139002	GW	-	X	X	X	X	X	X	-	-
92560139	B-119D	9/8/2021	92560139003	GW	-	X	X	X	X	X	X	-	-
92560139	B-116D	9/9/2021	92560139004	GW	-	X	X	X	X	X	X	-	-
92560137	B-117D	9/8/2021	92560137001	GW	-	-	-	-	-	-	-	X	X
92560137	B-118	9/8/2021	92560137002	GW	-	-	-	-	-	-	-	X	X
92560137	B-119D	9/8/2021	92560137003	GW	-	-	-	-	-	-	-	X	X
92560137	B-116D	9/9/2021	92560137004	GW	-	-	-	-	-	-	-	X	X
92560768	B-102D	9/10/2021	92560768002	GW	-	X	X	X	X	X	X	-	-
92560768	B-109D	9/10/2021	92560768003	GW	-	X	X	X	X	X	X	-	-
92560768	EB-3	9/10/2021	92560768004	WQ	EB (B-109D)	X	X	X	X	X	X	-	-
92560768	B-56	9/13/2021	92560768005	GW	-	X	X	X	X	X	X	-	-
92560768	B-88	9/13/2021	92560768006	GW	-	X	X	X	X	X	X	-	-
92560768	B-101D	9/13/2021	92560768007	GW	-	X	X	X	X	X	X	-	-
92560768	B-106D	9/13/2021	92560768008	GW	-	X	X	X	X	X	X	-	-
92560768	B-107D	9/13/2021	92560768009	GW	-	X	X	X	X	X	X	-	-
92560768	FB-3	9/13/2021	92560768010	WQ	FB (B-101D)	X	X	X	X	X	X	-	-
92560768	DUP-3	9/13/2021	92560768011	GW	FD (B-106D)	X	X	X	X	X	X	-	-
92560768	B-63	9/14/2021	92560768012	GW	-	X	X	X	X	X	X	-	-
92560768	B-66	9/14/2021	92560768013	GW	-	X	X	X	X	X	X	-	-
92560768	B-77	9/14/2021	92560768014	GW	-	X	X	X	X	X	X	-	-
92560768	B-82	9/14/2021	92560768015	GW	-	X	X	X	X	X	X	-	-
92560768	B-104D	9/14/2021	92560768016	GW	-	X	X	X	X	X	X	-	-
92560768	B-108D	9/14/2021	92560768017	GW	-	X	X	X	X	X	X	-	-
92560768	B-111D	9/14/2021	92560768018	GW	-	X	X	X	X	X	X	-	-
92560768	B-115D	9/14/2021	92560768019	GW	-	X	X	X	X	X	X	-	-
92560768	B-120D	9/14/2021	92560768020	GW	-	X	X	X	X	X	X	-	-
92560768	DUP-4	9/14/2021	92560768021	GW	FD (B-66)	X	X	X	X	X	X	-	-
92560768	EB-4	9/14/2021	92560768022	WQ	EB (111D)	X	X	X	X	X	X	-	-
92560768	B-92	9/15/2021	92560768023	GW	-	X	X	X	X	X	X	-	-
92560768	B-93	9/15/2021	92560768024	GW	-	X	X	X	X	X	X	-	-
92560768	B-97	9/15/2021	92560768025	GW	-	X	X	X	X	X	X	-	-
92560768	B-98	9/15/2021	92560768026	GW	-	X	X	X	X	X	X	-	-
92560768	DUP-5	9/15/2021	92560768027	GW	FD (B-93)	X	X	X	X	X	X	-	-
92560768	FB-5	9/15/2021	92560768028	WQ	FB (B-97)	X	X	X	X	X	X	-	-
92560768	EB-5	9/15/2021	92560768029	WQ	EB (B-98)	X	X	X	X	X	X	-	-
92560768	B-83	9/16/2021	92560768030	GW	-	X	X	X	X	X	X	-	-
92560768	FB-6	9/16/2021	92560768031	WQ	FB (B-83)	X	X	X	X	X	X	-	-
92560765	B-102D	9/10/2021	92560765002	GW	-	-	-	-	-	-	-	X	X

TABLE 1

**Sample Summary Table
SCS Plant McDonough**

SDGs	Field Identification	Collection Date	Lab Identification	Matrix	QC Samples	Analyses							
						Field pH	Total Metals (SW 6020B)	Calcium (SW 6010D)	Anions (EPA 300.0)	Total Mercury (SW 7470A)	TDS (SM 2540C-2011)	Radium-226 (EPA 9315)	Radium-228 (EPA 9320)
92560765	B-109D	9/10/2021	92560765003	GW	-	-	-	-	-	-	-	X	X
92560765	EB-3	9/10/2021	92560765004	WQ	EB (B-109D)	-	-	-	-	-	-	X	X
92560765	B-56	9/13/2021	92560765005	GW	-	-	-	-	-	-	-	X	X
92560765	B-88	9/13/2021	92560765006	GW	-	-	-	-	-	-	-	X	X
92560765	B-101D	9/13/2021	92560765007	GW	-	-	-	-	-	-	-	X	X
92560765	B-106D	9/13/2021	92560765008	GW	-	-	-	-	-	-	-	X	X
92560765	B-107D	9/13/2021	92560765009	GW	-	-	-	-	-	-	-	X	X
92560765	FB-3	9/13/2021	92560765010	WQ	FB (B-101D)	-	-	-	-	-	-	X	X
92560765	DUP-3	9/13/2021	92560765011	GW	FD (B-106D)	-	-	-	-	-	-	X	X
92560765	B-63	9/14/2021	92560765012	GW	-	-	-	-	-	-	-	X	X
92560765	B-66	9/14/2021	92560765013	GW	-	-	-	-	-	-	-	X	X
92560765	B-77	9/14/2021	92560765014	GW	-	-	-	-	-	-	-	X	X
92560765	B-82	9/14/2021	92560765015	GW	-	-	-	-	-	-	-	X	X
92560765	B-104D	9/14/2021	92560765016	GW	-	-	-	-	-	-	-	X	X
92560765	B-108D	9/14/2021	92560765017	GW	-	-	-	-	-	-	-	X	X
92560765	B-111D	9/14/2021	92560765018	GW	-	-	-	-	-	-	-	X	X
92560765	B-115D	9/14/2021	92560765019	GW	-	-	-	-	-	-	-	X	X
92560765	B-120D	9/14/2021	92560765020	GW	-	-	-	-	-	-	-	X	X
92560765	DUP-4	9/14/2021	92560765021	GW	FD (B-66)	-	-	-	-	-	-	X	X
92560765	EB-4	9/14/2021	92560765022	WQ	EB (B-111D)	-	-	-	-	-	-	X	X
92560765	B-92	9/15/2021	92560765023	GW	-	-	-	-	-	-	-	X	X
92560765	B-93	9/15/2021	92560765024	GW	-	-	-	-	-	-	-	X	X
92560765	B-97	9/15/2021	92560765025	GW	-	-	-	-	-	-	-	X	X
92560765	B-98	9/15/2021	92560765026	GW	-	-	-	-	-	-	-	X	X
92560765	DUP-5	9/15/2021	92560765027	GW	FD (B-93)	-	-	-	-	-	-	X	X
92560765	FB-5	9/15/2021	92560765028	WQ	FB (B-97)	-	-	-	-	-	-	X	X
92560765	EB-5	9/15/2021	92560765029	WQ	EB (B-98)	-	-	-	-	-	-	X	X
92560765	B-83	9/16/2021	92560765030	GW	-	-	-	-	-	-	-	X	X
92560765	FB-6	9/16/2021	92560765031	WQ	FB (B-83)	-	-	-	-	-	-	X	X
92560774	DGWC-2	9/9/2021	92560774001	GW	-	X	X	X	X	X	X	-	-
92560774	DGWC-11	9/9/2021	92560774002	GW	-	X	X	X	X	X	X	-	-
92560774	DGWC-12	9/9/2021	92560774003	GW	-	X	X	X	X	X	X	-	-
92560774	DGWC-13	9/9/2021	92560774004	GW	-	X	X	X	X	X	X	-	-
92560774	DGWC-14	9/9/2021	92560774005	GW	-	X	X	X	X	X	X	-	-
92560774	DGWC-15	9/9/2021	92560774006	GW	-	X	X	X	X	X	X	-	-
92560774	DGWC-19	9/9/2021	92560774007	GW	-	X	X	X	X	X	X	-	-
92560774	DGWC-21	9/9/2021	92560774008	GW	-	X	X	X	X	X	X	-	-
92560774	DGWC-23	9/9/2021	92560774009	GW	-	X	X	X	X	X	X	-	-
92560774	EB-1	9/9/2021	92560774010	WQ	EB (DGWC-14)	X	X	X	X	X	X	-	-
92560774	FB-1	9/9/2021	92560774011	WQ	FB (DGWC-15)	X	X	X	X	X	X	-	-
92560774	DGWC-4	9/10/2021	92560774012	GW	-	X	X	X	X	X	X	-	-
92560774	DGWC-5	9/10/2021	92560774013	GW	-	X	X	X	X	X	X	-	-
92560774	DUP-2	9/10/2021	92560774014	GW	FD (DGWC-4)	X	X	X	X	X	X	-	-
92560774	DGWC-9	9/10/2021	92560774015	GW	-	X	X	X	X	X	X	-	-
92560774	FB-2	9/10/2021	92560774016	GW	FB (DGWC-9)	X	X	X	X	X	X	-	-
92560774	DGWC-10	9/10/2021	92560774017	GW	-	X	X	X	X	X	X	-	-
92560774	DGWC-20	9/10/2021	92560774018	GW	-	X	X	X	X	X	X	-	-
92560774	DGWC-22	9/10/2021	92560774019	GW	-	X	X	X	X	X	X	-	-
92560774	DGWC-47	9/10/2021	92560774020	GW	-	X	X	X	X	X	X	-	-
92560774	DGWC-48	9/10/2021	92560774021	GW	-	X	X	X	X	X	X	-	-
92560774	DUP-1	9/10/2021	92560774022	GW	FD (DGWC-48)	X	X	X	X	X	X	-	-
92560774	EB-2	9/10/2021	92560774023	GW	EB (DGWC-47)	X	X	X	X	X	X	-	-
92560774	DGWC-8	9/13/2021	92560774024	GW	-	X	X	X	X	X	X	-	-
92560774	DGWC-17	9/13/2021	92560774025	GW	-	X	X	X	X	X	X	-	-
92560774	DGWC-42	9/13/2021	92560774026	GW	-	X	X	X	X	X	X	-	-
92560766	DGWC-2	9/9/2021	92560766001	GW	-	-	-	-	-	-	-	X	X

TABLE 1

**Sample Summary Table
SCS Plant McDonough**

SDGs	Field Identification	Collection Date	Lab Identification	Matrix	QC Samples	Analyses							
						Field pH	Total Metals (SW 6020B)	Calcium (SW 6010D)	Anions (EPA 300.0)	Total Mercury (SW 7470A)	TDS (SM 2540C-2011)	Radium-226 (EPA 9315)	Radium-228 (EPA 9320)
92560766	DGWC-11	9/9/2021	92560766002	GW	-	-	-	-	-	-	-	X	X
92560766	DGWC-12	9/9/2021	92560766003	GW	-	-	-	-	-	-	-	X	X
92560766	DGWC-13	9/9/2021	92560766004	GW	-	-	-	-	-	-	-	X	X
92560766	DGWC-14	9/9/2021	92560766005	GW	-	-	-	-	-	-	-	X	X
92560766	DGWC-15	9/9/2021	92560766006	GW	-	-	-	-	-	-	-	X	X
92560766	DGWC-19	9/9/2021	92560766007	GW	-	-	-	-	-	-	-	X	X
92560766	DGWC-21	9/9/2021	92560766008	GW	-	-	-	-	-	-	-	X	X
92560766	DGWC-23	9/9/2021	92560766009	GW	-	-	-	-	-	-	-	X	X
92560766	EB-1	9/9/2021	92560766010	WQ	EB (DGWC-14)	-	-	-	-	-	-	X	X
92560766	FB-1	9/9/2021	92560766011	WQ	FB (DGWC-15)	-	-	-	-	-	-	X	X
92560766	DGWC-4	9/10/2021	92560766012	GW	-	-	-	-	-	-	-	X	X
92560766	DGWC-5	9/10/2021	92560766013	GW	-	-	-	-	-	-	-	X	X
92560766	DUP-2	9/10/2021	92560766014	GW	FD (DGWC-4)	-	-	-	-	-	-	X	X
92560766	DGWC-9	9/10/2021	92560766015	GW	-	-	-	-	-	-	-	X	X
92560766	FB-2	9/10/2021	92560766016	WQ	FB (DGWC-9)	-	-	-	-	-	-	X	X
92560766	DGWC-10	9/10/2021	92560766017	GW	-	-	-	-	-	-	-	X	X
92560766	DGWC-20	9/10/2021	92560766018	GW	-	-	-	-	-	-	-	X	X
92560766	DGWC-22	9/10/2021	92560766019	GW	-	-	-	-	-	-	-	X	X
92560766	DGWC-47	9/10/2021	92560766020	GW	-	-	-	-	-	-	-	X	X
92560766	DGWC-48	9/10/2021	92560766021	GW	-	-	-	-	-	-	-	X	X
92560766	DUP-1	9/10/2021	92560766022	GW	FD (DGWC-48)	-	-	-	-	-	-	X	X
92560766	EB-2	9/10/2021	92560766023	WQ	EB (DGWC-47)	-	-	-	-	-	-	X	X
92560766	DGWC-8	9/13/2021	92560766024	GW	-	-	-	-	-	-	-	X	X
92560766	DGWC-17	9/13/2021	92560766025	GW	-	-	-	-	-	-	-	X	X
92560766	DGWC-42	9/13/2021	92560766026	GW	-	-	-	-	-	-	-	X	X

Abbreviations:

SDG- Sample Delivery Group
 QC - Quality Control
 SM - Standard Method
 SW - Solid Waste
 GW - Groundwater
 TDS - Total dissolved solids

TABLE 2
Qualifier Summary Table
SCS Plant McDonough

<i>SDG</i>	<i>Sample Name</i>	<i>Constituent</i>	<i>New Result</i>	<i>New RL or MDC</i>	<i>Qualifier</i>	<i>Reason</i>
92560768	B-56	TDS	-	-	J	Analysis run out of holding time
92560768	B-115D	Lithium	-	-	J-	MS/MSD outside acceptance criteria
92560768	B-109D	Chloride	-	-	J+	MS/MSD outside acceptance criteria
92560768	B-109D	Fluoride	-	-	J+	MS/MSD outside acceptance criteria
92560768	B-109D	Sulfate	-	-	J-	MS/MSD outside acceptance criteria
92560768	B-101D	Sulfate	-	-	J-	MS/MSD outside acceptance criteria
92560768	B-63	Chloride	-	-	J+	MS/MSD outside acceptance criteria
92560768	B-63	Fluoride	-	-	J+	MS/MSD outside acceptance criteria
92560768	B-63	Sulfate	-	-	J-	MS/MSD outside acceptance criteria
92560768	B-98	Chloride	-	-	J-	MS/MSD outside acceptance criteria
92560768	B-98	Sulfate	-	-	J-	MS/MSD outside acceptance criteria
92560765	B-120D	Radium-228	-	2.51	U	Method blank detection
92560765	B-120D	Total Radium	-	-	J+	Method blank detection
92560765	B-101D	Radium-228	-	1.47	U	Field blank detection
92560765	B-101D	Total Radium	-	1.8	U	Field blank detection
92560774	DGWC-23	Chloride	-	-	J+	MS/MSD outside acceptance criteria
92560774	DGWC-23	Fluoride	-	-	J+	MS/MSD outside acceptance criteria
92560774	DGWC-47	Fluoride	-	-	J-	MS/MSD outside acceptance criteria
92560774	DGWC-48	Fluoride	-	-	J+	MS/MSD outside acceptance criteria
92560766	DGWC-14	Radium-226	-	0.502	U	Equipment Blank detection

Abbreviations:

RL : Reporting limit

MDC : Minimum detectable concentration

SDG : Sample delivery group

Qualifier

U: Non-detect

J+: estimated, bias high

J-: estimated, bias low

APPENDIX B

Laboratory Accreditation



COMMONWEALTH of VIRGINIA
Department of General Services

Division of Consolidated Laboratory Services

*600 North 5th Street
Richmond, Virginia 23219-3691
(804) 648-4480
FAX (804) 692-0416*

06/11/2021

Craig Tronzo
Pace Analytical Services, LLC - Asheville NC
2225 Riverside Drive
Asheville NC 28804

VELAP ID: 460222

Dear Craig Tronzo:

The Division of Consolidated Laboratory Services (DCLS) has accredited Pace Analytical Services, LLC - Asheville NC pursuant to the provisions of 1VAC30-46 and The NELAC Institute (TNI) 2009 Standard. Certificate number 11380 and the corresponding Scope of Accreditation are enclosed. This certificate expires 06/14/2022. The certificate must be conspicuously displayed in the laboratory along with the associated Scope of Accreditation.

Please note that your laboratory is required to notify the Virginia Environmental Laboratory Accreditation Program (VELAP) in writing of any changes in key accreditation criteria within 30 calendar days of the change per 1VAC30-46-90 A. This requirement includes changes in ownership, location, key personnel, and major instrumentation.

To maintain accreditation, the laboratory must continue to comply with 1VAC30-46. This includes ongoing satisfactory proficiency testing. The method checklists used by VELAP in the on-site assessment process are available upon request as a supplement to internal audits.

Please direct all correspondences and questions regarding accreditation to your laboratory's lead assessor, Ila Meyer-Fritzsche, at ila.meyer-fritzsche@dgs.virginia.gov or (804) 648-4480 x306.

Sincerely yours,

Cathy Westerman
Manager, Laboratory Certification Program

Enclosures
cc: Felicia Grogan



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF GENERAL SERVICES
DIVISION OF CONSOLIDATED LABORATORY SERVICES

Certifies that
VA Laboratory ID#: 460222
Pace Analytical Services, LLC - Asheville NC
2225 Riverside Drive
Asheville, NC 28804

Owner: PAS PARENT, LLC
Operator: PACE ANALYTICAL SERVICES, LLC
Responsible Official: FELICIA GROGAN

Having met the requirements of 1 VAC 30-46 and
having been found compliant with the 2009 TNI Standard approved by The NELAC Institute
is hereby approved as an

Accredited Environmental Laboratory

As more fully described in the attached Scope of Accreditation

Effective Date: June 15, 2021
Expiration Date: June 14, 2022
Certificate # 11380

Handwritten signature of Denise M. Toney in black ink.

Denise M. Toney, Ph.D., HCLD
DGS Deputy Director for Laboratories

Continued accreditation status depends on successful ongoing participation in the program.
Certificate to be conspicuously displayed at the laboratory.
Not valid unless accompanied by a valid Virginia Environmental Laboratory Accreditation Program (VELAP)
Scope of Accreditation.
Customers are urged to verify the laboratory's current accreditation status.

Certificate Not Transferable

Surrender Upon Revocation



Commonwealth of Virginia
 Department of General Services
 Division of Consolidated Laboratory Services



Scope of Accreditation

VELAP Certificate No.: 11380

Pace Analytical Services, LLC - Asheville NC
 2225 Riverside Drive
 Asheville, NC 28804

Virginia Laboratory ID: 460222
 Effective Date: June 15, 2021
 Expiration Date: June 14, 2022

DRINKING WATER

<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>
EPA 200.8 REV 5.4	COPPER	VA
EPA 353.2 REV 2 (AS LACHAT 10-107-04-1 A + C)	NITRATE AS N	VA
SM 2320 B-2011	ALKALINITY AS CaCO ₃	VA
SM 9223 COLISURE®	TOTAL COLIFORMS	VA

<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>
EPA 200.8 REV 5.4	LEAD	VA
EPA 353.2 REV 2 (AS LACHAT 10-107-04-1-A)	NITRITE AS N	VA
SM 9223 COLISURE®	ESCHERICHIA COLI	VA

NON-POTABLE WATER

<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>
EPA 1010 B	FLASHPOINT	VA
EPA 160.4	RESIDUE-VOLATILE	VA
EPA 180.1 REV 2	TURBIDITY	VA
EPA 200.7 REV 4.4	ANTIMONY	VA
EPA 200.7 REV 4.4	BARIUM	VA
EPA 200.7 REV 4.4	BORON	VA
EPA 200.7 REV 4.4	CALCIUM	VA
EPA 200.7 REV 4.4	COBALT	VA
EPA 200.7 REV 4.4	IRON	VA
EPA 200.7 REV 4.4	MAGNESIUM	VA
EPA 200.7 REV 4.4	MOLYBDENUM	VA
EPA 200.7 REV 4.4	POTASSIUM	VA
EPA 200.7 REV 4.4	SILICA AS SiO ₂	VA
EPA 200.7 REV 4.4	SODIUM	VA
EPA 200.7 REV 4.4	TIN	VA
EPA 200.7 REV 4.4	VANADIUM	VA
EPA 200.8 REV 5.4	ALUMINUM	VA
EPA 200.8 REV 5.4	ARSENIC	VA
EPA 200.8 REV 5.4	BERYLLIUM	VA
EPA 200.8 REV 5.4	CHROMIUM	VA
EPA 200.8 REV 5.4	COPPER	VA
EPA 200.8 REV 5.4	MANGANESE	VA
EPA 200.8 REV 5.4	NICKEL	VA
EPA 200.8 REV 5.4	SILVER	VA
EPA 200.8 REV 5.4	VANADIUM	VA
EPA 200.8 REV 5.4 - EXTENDED	BORON	VA
EPA 200.8 REV 5.4 - EXTENDED	IRON	VA
EPA 200.8 REV 5.4 - EXTENDED	POTASSIUM	VA

<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>
EPA 120.1	CONDUCTIVITY	VA
EPA 1631 E	MERCURY	VA
EPA 200.7 REV 4.4	ALUMINUM	VA
EPA 200.7 REV 4.4	ARSENIC	VA
EPA 200.7 REV 4.4	BERYLLIUM	VA
EPA 200.7 REV 4.4	CADMIUM	VA
EPA 200.7 REV 4.4	CHROMIUM	VA
EPA 200.7 REV 4.4	COPPER	VA
EPA 200.7 REV 4.4	LEAD	VA
EPA 200.7 REV 4.4	MANGANESE	VA
EPA 200.7 REV 4.4	NICKEL	VA
EPA 200.7 REV 4.4	SELENIUM	VA
EPA 200.7 REV 4.4	SILVER	VA
EPA 200.7 REV 4.4	THALLIUM	VA
EPA 200.7 REV 4.4	TITANIUM	VA
EPA 200.7 REV 4.4	ZINC	VA
EPA 200.8 REV 5.4	ANTIMONY	VA
EPA 200.8 REV 5.4	BARIUM	VA
EPA 200.8 REV 5.4	CADMIUM	VA
EPA 200.8 REV 5.4	COBALT	VA
EPA 200.8 REV 5.4	LEAD	VA
EPA 200.8 REV 5.4	MOLYBDENUM	VA
EPA 200.8 REV 5.4	SELENIUM	VA
EPA 200.8 REV 5.4	THALLIUM	VA
EPA 200.8 REV 5.4	ZINC	VA
EPA 200.8 REV 5.4 - EXTENDED	CALCIUM	VA
EPA 200.8 REV 5.4 - EXTENDED	MAGNESIUM	VA
EPA 200.8 REV 5.4 - EXTENDED	SODIUM	VA

This Scope of Accreditation must accompany the Certificate issued by Virginia DCLS with the same Certificate Number indicated above.



Scope of Accreditation

VELAP Certificate No.: 11380

Pace Analytical Services, LLC - Asheville NC
 2225 Riverside Drive
 Asheville, NC 28804

Virginia Laboratory ID: 460222
 Effective Date: June 15, 2021
 Expiration Date: June 14, 2022

NON-POTABLE WATER

METHOD	ANALYTE	PRIMARY	METHOD	ANALYTE	PRIMARY
EPA 200.8 REV 5.4 - EXTENDED	TIN	VA	EPA 200.8 REV 5.4 - EXTENDED	TITANIUM	VA
EPA 218.6 REV 3.3	CHROMIUM VI	VA	EPA 245.1 REV 3	MERCURY	VA
EPA 300.0 REV 2.1	BROMIDE	VA	EPA 300.0 REV 2.1	CHLORIDE	VA
EPA 300.0 REV 2.1	FLUORIDE	VA	EPA 300.0 REV 2.1	NITRATE AS N	VA
EPA 300.0 REV 2.1	NITRATE/NITRITE	VA	EPA 300.0 REV 2.1	NITRITE AS N	VA
EPA 300.0 REV 2.1	SULFATE	VA	EPA 3005 A	PREP: ACID DIGESTION OF WATERS FOR TOTAL RECOVERABLE OR DISSOLVED METALS	VA
EPA 3010 A	PREP: ACID DIGESTION OF AQUEOUS SAMPLES AND EXTRACTS FOR TOTAL METALS	VA	EPA 350.1 REV 2	AMMONIAAS N	VA
EPA 351.2 MINUS EPA 350.1	ORGANIC NITROGEN	VA	EPA 351.2 REV 2 (AS LACHAT 10-107-06-2-D)	KJELDAHL NITROGEN - TOTAL (TKN)	VA
EPA 353.2 REV 2 (AS LACHAT 10-107-04-1 A + C)	NITRATE AS N	VA	EPA 353.2 REV 2 (AS LACHAT 10-107-04-1-A)	NITRATE/NITRITE	VA
EPA 353.2 REV 2 (AS LACHAT 10-107-04-1-A)	NITRITE AS N	VA	EPA 365.1 REV 2 (AS LACHAT 10-115-01-1-E)	PHOSPHORUS, TOTAL	VA
EPA 420.4 REV 1 (AS LACHAT 10-210-00-1-X)	TOTAL PHENOLICS	VA	EPA 6010 D	ALUMINUM	VA
EPA 6010 D	ANTIMONY	VA	EPA 6010 D	ARSENIC	VA
EPA 6010 D	BARIUM	VA	EPA 6010 D	BERYLLIUM	VA
EPA 6010 D	BORON	VA	EPA 6010 D	CADMIUM	VA
EPA 6010 D	CALCIUM	VA	EPA 6010 D	CHROMIUM	VA
EPA 6010 D	COBALT	VA	EPA 6010 D	COPPER	VA
EPA 6010 D	IRON	VA	EPA 6010 D	LEAD	VA
EPA 6010 D	LITHIUM	VA	EPA 6010 D	MAGNESIUM	VA
EPA 6010 D	MANGANESE	VA	EPA 6010 D	MOLYBDENUM	VA
EPA 6010 D	NICKEL	VA	EPA 6010 D	POTASSIUM	VA
EPA 6010 D	SELENIUM	VA	EPA 6010 D	SILICA AS SIO2	VA
EPA 6010 D	SILVER	VA	EPA 6010 D	SODIUM	VA
EPA 6010 D	STRONTIUM	VA	EPA 6010 D	THALLIUM	VA
EPA 6010 D	TIN	VA	EPA 6010 D	TITANIUM	VA
EPA 6010 D	VANADIUM	VA	EPA 6010 D	ZINC	VA
EPA 6010 D - EXTENDED	SILICON	VA	EPA 6020 B	ALUMINUM	VA
EPA 6020 B	ANTIMONY	VA	EPA 6020 B	ARSENIC	VA
EPA 6020 B	BARIUM	VA	EPA 6020 B	BERYLLIUM	VA
EPA 6020 B	CADMIUM	VA	EPA 6020 B	CALCIUM	VA
EPA 6020 B	CHROMIUM	VA	EPA 6020 B	COBALT	VA
EPA 6020 B	COPPER	VA	EPA 6020 B	IRON	VA
EPA 6020 B	LEAD	VA	EPA 6020 B	MAGNESIUM	VA

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Scope of Accreditation

VELAP Certificate No.: 11380

Pace Analytical Services, LLC - Asheville NC
 2225 Riverside Drive
 Asheville, NC 28804

Virginia Laboratory ID: 460222
 Effective Date: June 15, 2021
 Expiration Date: June 14, 2022

NON-POTABLE WATER

<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>
EPA 6020 B	MANGANESE	VA
EPA 6020 B	NICKEL	VA
EPA 6020 B	SELENIUM	VA
EPA 6020 B	SODIUM	VA
EPA 6020 B	TIN	VA
EPA 6020 B	ZINC	VA
EPA 6020 B - EXTENDED	BORON	VA
EPA 6020 B - EXTENDED	STRONTIUM	VA
EPA 6020 B - EXTENDED	URANIUM	VA
EPA 7470 A	MERCURY	VA
EPA 9012 B	AMENABLE CYANIDE	VA
EPA 9040 C	PH	VA
EPA 9056 A	CHLORIDE	VA
EPA 9056 A	NITRATE AS N	VA
EPA 9056 A	SULFATE	VA
EPA 9060 A	TOTAL ORGANIC CARBON (TOC)	VA
LACHAT QUIKCHEM 10-204-00-1-X	CYANIDE	VA
SM 2320 B-2011	ALKALINITY AS CaCO3	VA
SM 2540 B-2011	RESIDUE-TOTAL (TS)	VA
SM 2540 D-2011	RESIDUE-NONFILTERABLE (TSS)	VA
SM 3500-CR B-2011	CHROMIUM VI	VA
SM 4500-CN ⁻ E-2011	CYANIDE	VA
SM 4500-P E-2011	ORTHOPHOSPHATE AS P	VA
SM 5210 B-2011	BIOCHEMICAL OXYGEN DEMAND (BOD)	VA
SM 5220 D-2011	CHEMICAL OXYGEN DEMAND (COD)	VA

<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>
EPA 6020 B	MOLYBDENUM	VA
EPA 6020 B	POTASSIUM	VA
EPA 6020 B	SILVER	VA
EPA 6020 B	THALLIUM	VA
EPA 6020 B	VANADIUM	VA
EPA 6020 B - EXTENDED	BISMUTH	VA
EPA 6020 B - EXTENDED	LITHIUM	VA
EPA 6020 B - EXTENDED	TITANIUM	VA
EPA 7196 A	CHROMIUM VI	VA
EPA 9010 C	PREP: CYANIDE DISTILLATION	VA
EPA 9012 B	TOTAL CYANIDE	VA
EPA 9056 A	BROMIDE	VA
EPA 9056 A	FLUORIDE	VA
EPA 9056 A	NITRITE AS N	VA
EPA 9056 A - EXTENDED	NITRATE/NITRITE	VA
EPA 9095 B	FREE LIQUID	VA
SM 2130 B-2011	TURBIDITY	VA
SM 2340 B-2011	TOTAL HARDNESS AS CaCO3	VA
SM 2540 C-2011	RESIDUE-FILTERABLE (TDS)	VA
SM 2540 F-2011	RESIDUE-SETTLABLE	VA
SM 4500-CL ⁻ E-2011	CHLORIDE	VA
SM 4500-CN ⁻ G-2011	AMENABLE CYANIDE	VA
SM 4500-S2 ⁻ D-2011	SULFIDE	VA
SM 5210 B-2011	CARBONACEOUS BOD (CBOD)	VA
SM 5310 B-2011	TOTAL ORGANIC CARBON (TOC)	VA

SOLID AND CHEMICAL MATERIALS

<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>
EPA 1010 B	FLASHPOINT	VA
EPA 1312	PREP: SYNTHETIC PRECIPITATION LEACHING PROCEDURE	VA
EPA 3050 B	PREP: ACID DIGESTION OF SEDIMENTS, SLUDGES, AND SOILS	VA
EPA 6010 D	ANTIMONY	VA
EPA 6010 D	BARIUM	VA
EPA 6010 D	BORON	VA
EPA 6010 D	CALCIUM	VA

<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>
EPA 1311	PREP: TOXICITY CHARACTERISTIC LEACHING PROCEDURE	VA
EPA 3010 A	PREP: ACID DIGESTION OF AQUEOUS SAMPLES AND EXTRACTS FOR TOTAL METALS	VA
EPA 6010 D	ALUMINUM	VA
EPA 6010 D	ARSENIC	VA
EPA 6010 D	BERYLLIUM	VA
EPA 6010 D	CADMIUM	VA
EPA 6010 D	CHROMIUM	VA

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Scope of Accreditation

VELAP Certificate No.: 11380

Pace Analytical Services, LLC - Asheville NC
 2225 Riverside Drive
 Asheville, NC 28804

Virginia Laboratory ID: 460222
 Effective Date: June 15, 2021
 Expiration Date: June 14, 2022

SOLID AND CHEMICAL MATERIALS

<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>
EPA 6010 D	COBALT	VA
EPA 6010 D	IRON	VA
EPA 6010 D	MAGNESIUM	VA
EPA 6010 D	MOLYBDENUM	VA
EPA 6010 D	POTASSIUM	VA
EPA 6010 D	SILVER	VA
EPA 6010 D	STRONTIUM	VA
EPA 6010 D	TITANIUM	VA
EPA 6010 D	ZINC	VA
EPA 7471 B	MERCURY	VA
EPA 9060	TOTAL ORGANIC CARBON (TOC)	VA
EPA 9095 B	FREE LIQUID	VA

<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>
EPA 6010 D	COPPER	VA
EPA 6010 D	LEAD	VA
EPA 6010 D	MANGANESE	VA
EPA 6010 D	NICKEL	VA
EPA 6010 D	SELENIUM	VA
EPA 6010 D	SODIUM	VA
EPA 6010 D	THALLIUM	VA
EPA 6010 D	VANADIUM	VA
EPA 6010 D - EXTENDED	SILICON	VA
EPA 9045 D	PH	VA
EPA 9060 A	TOTAL ORGANIC CARBON (TOC)	VA



State of Florida
Department of Health, Bureau of Public Health Laboratories

This is to certify that

E87315

PACE ANALYTICAL SERVICES, LLC- ATLANTA GA
110 TECHNOLOGY PARKWAY
PEACHTREE CORNERS, GA 30092

has complied with Florida Administrative Code 64E-1,
for the examination of environmental samples in the following categories

DRINKING WATER - MICROBIOLOGY, DRINKING WATER - PRIMARY INORGANIC CONTAMINANTS, DRINKING WATER - SECONDARY INORGANIC CONTAMINANTS, NON-POTABLE WATER - GENERAL CHEMISTRY, NON-POTABLE WATER - METALS, NON-POTABLE WATER - MICROBIOLOGY, SOLID AND CHEMICAL MATERIALS - GENERAL CHEMISTRY, SOLID AND CHEMICAL MATERIALS - METALS, SOLID AND CHEMICAL MATERIALS - MICROBIOLOGY

Continued certification is contingent upon successful on-going compliance with the NELAP Standards and FAC Rule 64E-1 regulations. Specific methods and analytes certified are cited on the Laboratory Scope of Accreditation for this laboratory and are on file at the Bureau of Public Health Laboratories, P. O. Box 210, Jacksonville, Florida 32231. Clients and customers are urged to verify with this agency the laboratory's certification status in Florida for particular methods and analytes.

Date Issued: July 01, 2021 Expiration Date: June 30, 2022




Patty A. Lewandowski, MBA, MT(ASCP)
Chief Bureau of Public Health Laboratories
DH Form 1697, 7/04
NON-TRANSFERABLE E87315-52-07/01/2021
Supersedes all previously issued certificates



Laboratory Scope of Accreditation

Attachment to Certificate #: E87315-52, expiration date June 30, 2022. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87315**

EPA Lab Code: **GA00051**

(770) 734-4200

E87315

**Pace Analytical Services, LLC- Atlanta GA
110 Technology Parkway
Peachtree Corners, GA 30092**

Matrix: **Drinking Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Color	SM 2120 B	Secondary Inorganic Contaminants	NELAP	4/10/2002
Escherichia coli	SM 9223 B	Microbiology	NELAP	4/10/2002
Escherichia coli	SM 9223 B /QUANTI-TRAY	Microbiology	NELAP	11/4/2010
Heterotrophic plate count	SIMPLATE	Microbiology	NELAP	5/29/2012
Nitrate	EPA 353.2	Primary Inorganic Contaminants	NELAP	4/17/2020
Nitrite	EPA 353.2	Primary Inorganic Contaminants	NELAP	4/17/2020
Orthophosphate as P	SM 4500-P E	Primary Inorganic Contaminants	NELAP	4/10/2002
pH	SM 4500-11+-B	Primary Inorganic Contaminants, Secondary Inorganic Contaminants	NELAP	4/10/2002
Residual free chlorine	SM 4500-Cl G	Primary Inorganic Contaminants	NELAP	11/4/2010
Total coliforms	SM 9223 B	Microbiology	NELAP	4/10/2002
Total coliforms	SM 9223 B /QUANTI-TRAY	Microbiology	NELAP	11/4/2010
Total nitrate-nitrite	EPA 353.2	Primary Inorganic Contaminants	NELAP	4/17/2020
Total residual chlorine	SM 4500-Cl G	Primary Inorganic Contaminants	NELAP	11/4/2010
Turbidity	EPA 180.1	Secondary Inorganic Contaminants	NELAP	4/10/2002



Laboratory Scope of Accreditation

Attachment to Certificate #: E87315-52, expiration date June 30, 2022. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E87315

EPA Lab Code: GA00051

(770) 734-4200

E87315
Pace Analytical Services, LLC- Atlanta GA
110 Technology Parkway
Peachtree Corners, GA 30092

Matrix: Non-Potable Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
Aluminum	EPA 200.7	Metals	NELAP	4/10/2002
Aluminum	EPA 200.8	Metals	NELAP	8/30/2004
Aluminum	EPA 6010	Metals	NELAP	7/1/2003
Aluminum	EPA 6020	Metals	NELAP	8/30/2004
Antimony	EPA 200.7	Metals	NELAP	4/10/2002
Antimony	EPA 200.8	Metals	NELAP	8/30/2004
Antimony	EPA 6010	Metals	NELAP	7/1/2003
Antimony	EPA 6020	Metals	NELAP	8/30/2004
Arsenic	EPA 200.7	Metals	NELAP	4/10/2002
Arsenic	EPA 200.8	Metals	NELAP	8/30/2004
Arsenic	EPA 6010	Metals	NELAP	4/10/2002
Arsenic	EPA 6020	Metals	NELAP	8/30/2004
Barium	EPA 200.7	Metals	NELAP	4/10/2002
Barium	EPA 200.8	Metals	NELAP	8/30/2004
Barium	EPA 6010	Metals	NELAP	7/1/2003
Barium	EPA 6020	Metals	NELAP	8/30/2004
Beryllium	EPA 200.7	Metals	NELAP	4/10/2002
Beryllium	EPA 200.8	Metals	NELAP	8/30/2004
Beryllium	EPA 6010	Metals	NELAP	7/1/2003
Beryllium	EPA 6020	Metals	NELAP	8/30/2004
Biochemical oxygen demand	SM 5210 B	General Chemistry	NELAP	4/10/2002
Boron	EPA 200.7	Metals	NELAP	4/10/2002
Boron	EPA 200.8	Metals	NELAP	11/6/2014
Boron	EPA 6010	Metals	NELAP	7/1/2003
Boron	EPA 6020	Metals	NELAP	8/30/2004
Cadmium	EPA 200.7	Metals	NELAP	4/10/2002
Cadmium	EPA 200.8	Metals	NELAP	8/30/2004
Cadmium	EPA 6010	Metals	NELAP	4/10/2002
Cadmium	EPA 6020	Metals	NELAP	8/30/2004
Calcium	EPA 200.7	Metals	NELAP	4/10/2002
Calcium	EPA 200.8	Metals	NELAP	11/6/2014
Calcium	EPA 6010	Metals	NELAP	7/1/2003
Calcium	EPA 6020	Metals	NELAP	8/30/2004
Carbonaceous BOD (CBOD)	SM 5210 B	General Chemistry	NELAP	4/10/2002
Chromium	EPA 200.7	Metals	NELAP	4/10/2002
Chromium	EPA 200.8	Metals	NELAP	8/30/2004

Clients and Customers are urged to verify the laboratory's current certification status with the Environmental Laboratory Certification Program.

Issue Date: 7/1/2021

Expiration Date: 6/30/2022



Laboratory Scope of Accreditation

Attachment to Certificate #: E87315-S2, expiration date June 30, 2022. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E87315

EPA Lab Code: GA00051

(770) 734-4200

E87315

Pace Analytical Services, LLC- Atlanta GA
110 Technology Parkway
Peachtree Corners, GA 30092

Matrix: Non-Potable Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
Chromium	EPA 6010	Metals	NELAP	7/1/2003
Chromium	EPA 6020	Metals	NELAP	8/30/2004
Chromium VI	SM 3500-Cr B (20th/21st/22nd Ed.)/UV-VIS	General Chemistry	NELAP	7/28/2009
Cobalt	EPA 200.7	Metals	NELAP	4/10/2002
Cobalt	EPA 200.8	Metals	NELAP	8/30/2004
Cobalt	EPA 6010	Metals	NELAP	7/1/2003
Cobalt	EPA 6020	Metals	NELAP	8/30/2004
Color	SM 2120 B	General Chemistry	NELAP	4/10/2002
Copper	EPA 200.7	Metals	NELAP	4/10/2002
Copper	EPA 200.8	Metals	NELAP	8/30/2004
Copper	EPA 6010	Metals	NELAP	4/10/2002
Copper	EPA 6020	Metals	NELAP	8/30/2004
Corrosivity (pH)	EPA 9040	General Chemistry	NELAP	7/1/2003
Escherichia coli	SM 9223 B AQUANTI-TRAY	Microbiology	NELAP	11/4/2010
Fecal coliforms	COLILERT®-18 (Fecal Coliforms)	Microbiology	NELAP	11/6/2014
Fecal coliforms	SM 9222 D	Microbiology	NELAP	2/21/2002
Hardness	SM 2340 B	General Chemistry	NELAP	7/28/2009
Hardness (calc.)	EPA 200.7	Metals	NELAP	6/6/2002
Heterotrophic plate count	SIMPLATE	Microbiology	NELAP	5/29/2012
Iron	EPA 200.7	Metals	NELAP	4/10/2002
Iron	EPA 200.8	Metals	NELAP	11/6/2014
Iron	EPA 6010	Metals	NELAP	7/1/2003
Iron	EPA 6020	Metals	NELAP	8/30/2004
Iron-(II) (Ferrous Iron)	SM 3500-Fe B (20th/21st Ed.)/UV-VIS	General Chemistry	NELAP	7/28/2009
Lead	EPA 200.7	Metals	NELAP	4/10/2002
Lead	EPA 200.8	Metals	NELAP	8/30/2004
Lead	EPA 6010	Metals	NELAP	4/10/2002
Lead	EPA 6020	Metals	NELAP	8/30/2004
Lithium	EPA 200.8	Metals	NELAP	10/6/2016
Lithium	EPA 6020	Metals	NELAP	10/6/2016
Magnesium	EPA 200.7	Metals	NELAP	4/10/2002
Magnesium	EPA 200.8	Metals	NELAP	11/6/2014
Magnesium	EPA 6010	Metals	NELAP	7/1/2003
Magnesium	EPA 6020	Metals	NELAP	8/30/2004

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Issue Date: 7/1/2021

Expiration Date: 6/30/2022



Laboratory Scope of Accreditation

Attachment to Certificate #: E87315-52, expiration date June 30, 2022. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E87315

EPA Lab Code: GA00051

(770) 734-4200

E87315

Price Analytical Services, LLC- Atlanta GA

110 Technology Parkway

Peachtree Corners, GA 30092

Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Manganese	EPA 200.7	Metals	NELAP	4/10/2002
Manganese	EPA 200.8	Metals	NELAP	8/30/2004
Manganese	EPA 6010	Metals	NELAP	7/1/2003
Manganese	EPA 6020	Metals	NELAP	8/30/2004
Mercury	EPA 245.1	Metals	NELAP	4/10/2002
Mercury	EPA 7470	Metals	NELAP	4/10/2002
Molybdenum	EPA 200.7	Metals	NELAP	4/10/2002
Molybdenum	EPA 200.8	Metals	NELAP	8/30/2004
Molybdenum	EPA 6010	Metals	NELAP	4/10/2002
Molybdenum	EPA 6020	Metals	NELAP	8/30/2004
Nickel	EPA 200.7	Metals	NELAP	4/10/2002
Nickel	EPA 200.8	Metals	NELAP	8/30/2004
Nickel	EPA 6010	Metals	NELAP	4/10/2002
Nickel	EPA 6020	Metals	NELAP	8/30/2004
Nitrate as N	EPA 353.2	General Chemistry	NELAP	4/17/2020
Nitrate-nitric	EPA 353.2	General Chemistry	NELAP	4/17/2020
Nitrite as N	EPA 353.2	General Chemistry	NELAP	4/17/2020
Orthophosphate as P	SM 4500-P E	General Chemistry	NELAP	4/10/2002
Oxygen, dissolved	ASTM D888-09C	General Chemistry	NELAP	11/6/2014
Oxygen, dissolved	SM 4500-O G	General Chemistry	NELAP	4/10/2002
pH	EPA 9040	General Chemistry	NELAP	7/1/2003
pH	SM 4500-H+-B	General Chemistry	NELAP	10/15/2007
Phosphorus, total	EPA 200.7	Metals	NELAP	9/27/2002
Phosphorus, total	EPA 6010	Metals	NELAP	7/1/2003
Potassium	EPA 200.7	Metals	NELAP	4/10/2002
Potassium	EPA 200.8	Metals	NELAP	11/6/2014
Potassium	EPA 6010	Metals	NELAP	4/10/2002
Potassium	EPA 6020	Metals	NELAP	8/30/2004
Residual free chlorine	SM 4500-Cl G	General Chemistry	NELAP	11/4/2010
Residue-filterable (TDS)	SM 2540 C	General Chemistry	NELAP	10/15/2007
Residue-nonfilterable (TSS)	SM 2540 D	General Chemistry	NELAP	10/15/2007
Residue-settleable	SM 2540 F	General Chemistry	NELAP	10/15/2007
Selenium	EPA 200.7	Metals	NELAP	4/10/2002
Selenium	EPA 200.8	Metals	NELAP	8/30/2004
Selenium	EPA 6010	Metals	NELAP	4/10/2002
Selenium	EPA 6020	Metals	NELAP	8/30/2004

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Issue Date: 7/1/2021

Expiration Date: 6/30/2022



Laboratory Scope of Accreditation

Attachment to Certificate #: E87315-52, expiration date June 30, 2022. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E87315

EPA Lab Code: GA00051

(770) 734-4200

E87315

Pace Analytical Services, LLC- Atlanta GA
110 Technology Parkway
Peachtree Corners, GA 30092

Matrix: Non-Potable Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
Silicon	EPA 200.7	Metals	NELAP	4/10/2002
Silicon	EPA 6010	Metals	NELAP	7/1/2003
Silver	EPA 200.7	Metals	NELAP	4/10/2002
Silver	EPA 200.8	Metals	NELAP	8/30/2004
Silver	EPA 6010	Metals	NELAP	7/1/2003
Silver	EPA 6020	Metals	NELAP	8/30/2004
Sodium	EPA 200.7	Metals	NELAP	4/10/2002
Sodium	EPA 200.8	Metals	NELAP	11/6/2014
Sodium	EPA 6010	Metals	NELAP	7/1/2003
Sodium	EPA 6020	Metals	NELAP	8/30/2004
Strontium	EPA 200.7	Metals	NELAP	9/27/2002
Strontium	EPA 6010	Metals	NELAP	7/1/2003
Strontium	EPA 6020	Metals	NELAP	8/30/2004
Thallium	EPA 200.7	Metals	NELAP	4/10/2002
Thallium	EPA 200.8	Metals	NELAP	8/30/2004
Thallium	EPA 6010	Metals	NELAP	7/1/2003
Thallium	EPA 6020	Metals	NELAP	8/30/2004
Tin	EPA 200.7	Metals	NELAP	4/10/2002
Tin	EPA 200.8	Metals	NELAP	11/6/2014
Tin	EPA 6010	Metals	NELAP	7/1/2003
Tin	EPA 6020	Metals	NELAP	8/30/2004
Titanium	EPA 200.7	Metals	NELAP	4/10/2002
Titanium	EPA 200.8	Metals	NELAP	11/6/2014
Titanium	EPA 6010	Metals	NELAP	7/1/2003
Titanium	EPA 6020	Metals	NELAP	8/30/2004
Total coliforms	SM 9223 B /QUANTI-TRAY	Microbiology	NELAP	11/4/2010
Total residual chlorine	SM 4500-Cl G	General Chemistry	NELAP	11/4/2010
Total, fixed, and volatile residue	SM 2540 G	General Chemistry	NELAP	9/27/2002
Turbidity	EPA 180.1	General Chemistry	NELAP	4/10/2002
Vanadium	EPA 200.7	Metals	NELAP	4/10/2002
Vanadium	EPA 200.8	Metals	NELAP	8/30/2004
Vanadium	EPA 6010	Metals	NELAP	7/1/2003
Vanadium	EPA 6020	Metals	NELAP	8/30/2004
Zinc	EPA 200.7	Metals	NELAP	4/10/2002
Zinc	EPA 200.8	Metals	NELAP	8/30/2004
Zinc	EPA 6010	Metals	NELAP	4/10/2002

Clients and Customers are urged to verify the laboratory's current certification status with the Environmental Laboratory Certification Program.

Issue Date: 7/1/2021

Expiration Date: 6/30/2022



Laboratory Scope of Accreditation

Attachment to Certificate #: E87315-52, expiration date June 30, 2022. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E87315 EPA Lab Code: GA00051 (770) 734-4200

E87315
Pace Analytical Services, LLC- Atlanta GA
110 Technology Parkway
Peachtree Corners, GA 30092

Matrix: Non-Potable Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
Zinc	EPA 6020	Metals	NELAP	8/30/2004



Laboratory Scope of Accreditation

Attachment to Certificate #: E87315-52, expiration date June 30, 2022. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E87315

EPA Lab Code: GA00051

(770) 734-4200

E87315

Pace Analytical Services, LLC- Atlanta GA
110 Technology Parkway
Peachtree Corners, GA 30092

Matrix: Solid and Chemical Materials

Analyte	Method/Tech	Category	Certification Type	Effective Date
Aluminum	EPA 6010	Metals	NELAP	4/10/2002
Antimony	EPA 6010	Metals	NELAP	4/10/2002
Arsenic	EPA 6010	Metals	NELAP	4/10/2002
Barium	EPA 6010	Metals	NELAP	4/10/2002
Beryllium	EPA 6010	Metals	NELAP	4/10/2002
Boron	EPA 6010	Metals	NELAP	4/10/2002
Cadmium	EPA 6010	Metals	NELAP	4/10/2002
Calcium	EPA 6010	Metals	NELAP	4/10/2002
Chromium	EPA 6010	Metals	NELAP	4/10/2002
Cobalt	EPA 6010	Metals	NELAP	4/10/2002
Copper	EPA 6010	Metals	NELAP	4/10/2002
Fecal coliforms	SM 9222 D	Microbiology	NELAP	7/28/2009
Fixed Residue	SM 2540 G-2011	General Chemistry	NELAP	10/1/2020
Iron	EPA 6010	Metals	NELAP	4/10/2002
Lead	EPA 6010	Metals	NELAP	4/10/2002
Magnesium	EPA 6010	Metals	NELAP	4/10/2002
Manganese	EPA 6010	Metals	NELAP	4/10/2002
Mercury	EPA 7471	Metals	NELAP	4/10/2002
Molybdenum	EPA 6010	Metals	NELAP	4/10/2002
Nickel	EPA 6010	Metals	NELAP	4/10/2002
pH	EPA 9045	General Chemistry	NELAP	4/10/2002
Phosphorus, total	EPA 6010	Metals	NELAP	4/10/2002
Potassium	EPA 6010	Metals	NELAP	4/10/2002
Residue-total	SM 2540 G-2011	General Chemistry	NELAP	10/1/2020
Residue-volatile	SM 2540 G-2011	General Chemistry	NELAP	10/1/2020
Selenium	EPA 6010	Metals	NELAP	4/10/2002
Silicon	EPA 6010	Metals	NELAP	4/10/2002
Silver	EPA 6010	Metals	NELAP	4/10/2002
Sodium	EPA 6010	Metals	NELAP	7/9/2002
Strontium	EPA 6010	Metals	NELAP	4/10/2002
Thallium	EPA 6010	Metals	NELAP	4/10/2002
Tin	EPA 6010	Metals	NELAP	4/10/2002
Titanium	EPA 6010	Metals	NELAP	9/27/2002
Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311	General Chemistry	NELAP	4/10/2002
Vanadium	EPA 6010	Metals	NELAP	4/10/2002
Zinc	EPA 6010	Metals	NELAP	4/10/2002

Clients and Customers are urged to verify the laboratory's current certification status with the Environmental Laboratory Certification Program.

Issue Date: 7/1/2021

Expiration Date: 6/30/2022



APPENDIX C

**Well Maintenance and Repair Memorandum and Well
Condition Inspection Forms**

TECHNICAL MEMORANDUM

DATE February 9, 2022

TO Joju Abraham, PG
Southern Company Services

CC Ben Hodges, Georgia Power Company

FROM Golder Associates USA Inc.

PLANT MCDONOUGH ASH POND 1, ASH POND 2 AND ASH POND 3/4
WELL MAINTENANCE AND REPAIR DOCUMENTATION
GEORGIA POWER COMPANY

Golder Associates USA Inc. (Golder) has prepared this memorandum to provide documentation of groundwater monitoring well maintenance and/or repair performed at Plant McDonough Ash Pond 1, Ash Pond 2, and Ash Pond 3/4 during the semi-annual reporting period. Repairs and maintenance were completed in accordance with 12-5-134 (5)(D)vii of the Georgia Well Standards Act (1985) for routine visual inspections of groundwater monitoring wells (i.e., at least once every five years) under the direction of a Georgia licensed professional engineer or geologist.

Plant McDonough – Well Maintenance Summary

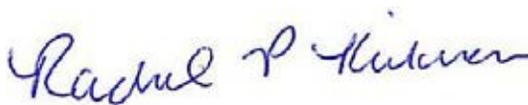
Well ID	Date Performed	Maintenance/Repair Performed
DGWA-53	October 2021	Cleared vegetation to improve access and visibility
DGWA-71	October 2021	Cleared vegetation to improve access and visibility. Replaced protective cover lid.
DGWC-2	October 2021	Replaced protective bollard.
DGWC-4	October 2021	Cleared vegetation to improve access and visibility
DGWC-5	October 2021	Cleared vegetation to improve access and visibility
DGWC-22	October 2021	Straighten protective bollard and added concrete to base.
DGWC-30	October 2021	Cleared vegetation to improve access and visibility
B-62	October 2021	Filled annular space with Portland/bentonite grout to approximately 5" from top of casing. Added pea gravel on top of grout.
B-63	October 2021	Repaired surface cracks in concrete pad with concrete resurface/fill
B-65	October 2021	Added concrete strap over the manhole cover for security.

Well ID	Date Performed	Maintenance/Repair Performed
B-87	October 2021	Cleared vegetation to improve access and visibility
B-88	October 2021	Cleared vegetation to improve access and visibility
B-94	October 2021	Cleared vegetation to improve access and visibility
B-95	October 2021	Replace concrete apron around flush mount protective cover. Updated survey is pending.
B-111	October 2021	Cleared vegetation to improve access and visibility
B-117D	October 2021	Cleared vegetation to improve access and visibility
B-3	October 2021	Cleared vegetation to improve access and visibility
B-120D	October 2021	Cleared vegetation to improve access and visibility
B-5	October 2021	Cleared vegetation to improve access and visibility
B-59	October 2021	Cleared vegetation to improve access and visibility; Straighten protective bollard.
DGWC-37	October 2021	Straighten protective bollard.
All wells	October 2021	Well Signs were confirmed and/or installed at all locations except for B-110D, B-112D and B-113D. These locations are flush mount wells located at the toe of AP1 dike. Signs will be replaced post construction.

Golder Associates USA Inc.



Dawn L. Prell
Senior Consultant, Hydrogeologist



Rachel P. Kirkman, PG
Senior Consultant, Principal

Attachments: Photo Documentation

[https://golderassociates.sharepoint.com/sites/11950g/shared documents/300_field information/2021/09_2021 sagw/mcd_well maintenance repair memo 2.2021.docx](https://golderassociates.sharepoint.com/sites/11950g/shared%20documents/300_field%20information/2021/09_2021_sagw/mcd_well_maintenance_repair_memo_2.2021.docx)

Southern Company CFS
Plant McDonough Oct 2021 Well O&M

AP1 – DGWA-53: Cleared overgrowth from around pad.



AP1 – DGWA-71: Cleared overgrowth from around pad. Removed cracked protective cover lid and replaced with a new lid.



Southern Company CFS
Plant McDonough Oct 2021 Well O&M



AP-2/3/4 – DGWC-2: Replaced front left bollard.



Southern Company CFS Plant McDonough Oct 2021 Well O&M

AP-2/3/4 – DGWC-4: Cleared overgrowth from around pad.



AP-2/3/4 – DGWC-5: Cleared overgrowth from around pad.



Southern Company CFS Plant McDonough Oct 2021 Well O&M

AP-2/3/4 – DGWC-22: Straightened bollard and added additional concrete to base.

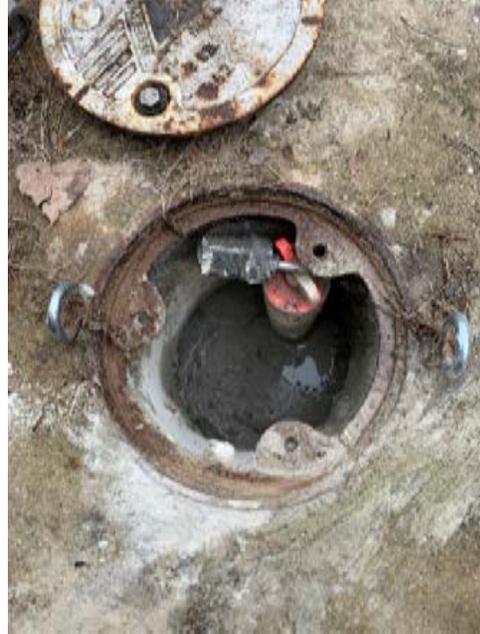


AP1 – DGWC-39: Cleared overgrowth from around pad.



Southern Company CFS Plant McDonough Oct 2021 Well O&M

AP-4 2/3/- B-62: Filled annular with Portland/Bentonite Grout and brought up to approx. 5" from top of casing. Added pea gravel to top of grout.

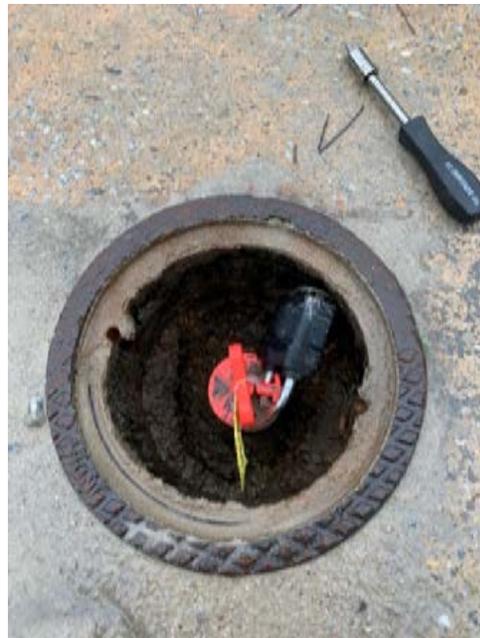


Southern Company CFS
Plant McDonough Oct 2021 Well O&M

AP-2/3/4 – B-63: Only surface cracks observed in pad. Used concrete resurface/fill to fill in superficial cracks.



AP4 – B-65: Bolt flange on inside of manhole broke due to concrete truck traffic at the Argos Batch Plant near AP4 fence. The only way to repair is to saw cut the manhole/pad out of concrete and replace. After discussing with ES&EE, decided to place a strap over top of the manhole cover to keep it in place. If truck traffic damages the strap, then full replacement may be required.



Southern Company CFS
Plant McDonough Oct 2021 Well O&M



AP-4 2/3/- B-68: Discharge pipe is coming from the Argos Concrete Batch Plant Washdown area. The pipe is owned by Argos. After discussing with ES&EE, CFS did not tamper with the pipe until GPC EA/ES&EE contact Argos about extending the pipe downgradient of B-68.



Southern Company CFS
Plant McDonough Oct 2021 Well O&M

AP-4 2/3/- B-87: Cleared overgrowth from around pad.



AP-4 2/3/- B-88: Cleared overgrowth from around pad.



Southern Company CFS Plant McDonough Oct 2021 Well O&M

AP-4 2/3/- B-94: Cleared overgrowth from around pad.



AP-4 2/3/- B-95: Cracked pad due to truck traffic from Waste Management Facility. Appears that the manhole cover was pushed down which crushed the pad. The cover also contacted well cap and broke it. CFS removed the old pad/manhole and replaced. To lower the manhole closer to curb height to try to prevent the cover from being pushed down, CFS trimmed approx. 1' from the bottom of the manhole skirt. CFS also cut off the riser approx. 2" and replaced the well cap. The pad size was also increased, and rebar embedded in the concrete to strengthen and try to prevent the pad from cracking if it is run over again. Since CFS replaced the well cap, Golder will need to install a new cap lock as CFS was not able to transfer the lock over to the new cap. The well should also be resurveyed since the riser was cut off.



Southern Company CFS
Plant McDonough Oct 2021 Well O&M



Southern Company CFS
Plant McDonough Oct 2021 Well O&M



AP-4 2/3/- B-111D: Cleared overgrowth from around pad.



Southern Company CFS Plant McDonough Oct 2021 Well O&M

AP-4 2/3/- B-117D: Cleared overgrowth from around pad.



Additionally, all well signs that CFS was requested to procure, were installed during this O&M mobilization. All well signs were installed with the exception of B-110D, B-112D and B-113D. These are flush mount wells located at the toe of AP1 Dike. The ordered signs for these 3 wells were left in the SCS construction trailer, with the construction coordinator at the request of ES&EE.

Southern Company CFS Plant McDonough Oct 2021 Well O&M

While installing wells signs, additional wells that were observed needing maintenance where addressed:

B-3 – Clear overgrowth



B-120D – Clear Overgrowth



Southern Company CFS
Plant McDonough Oct 2021 Well O&M

B-5 – Clear Overgrowth



B-59 – Straighten bollard and clear overgrowth



Southern Company CFS
Plant McDonough Oct 2021 Well O&M

DGWC-37 – Straighten bollard



APPENDIX C

Well Condition Inspection Forms

**WELL INSPECTION FORM
PLANT MCDONOUGH**

Well-ID	POSITION ↑ or ↓	LOCATION / IDENTIFICATION	PROTECTIVE CASING	SURFACE PAD	INTERNAL CASING	SAMPLING (Groundwater Wells Only)
		a. Visible and accessible b. Properly identified with correct ID c. Not in a high traffic area that requires traffic protection d. No standing water nearby, adequate surrounding drainage (S) for Satisfactory Discrepancies identified below	a. Free from damage, degradation, or deterioration b. Functioning weep hole c. Annular space free of debris and water, and has enough pea gravel d. Functioning lock and in good condition (S) for Satisfactory Discrepancies identified below	a. Pad & bollards in good condition b. Sloped away from the well c. In contact with protective casing d. Stable and in contact with ground surface e. Free of debris f. Survey pin clearly identified (S) for Satisfactory Discrepancies identified below	a. Cap prevents entry of foreign material b. Free of kinks or bends or any obstruction from foreign objects c. Weephole present and cap not too tight to allow equilibrium for air pressure d. Survey point clearly marked on the inner casing e. Sounded depth consistent with well log f. Stable/immobile (S) for Satisfactory Discrepancies identified below	a. Well recharges adequately when purged b. If dedicated sampling equipment installed, it is in good condition and specified in the approved groundwater plan for the facility c. Does not require redevelopment (S) for Satisfactory Discrepancies identified below
DGWA-53	↑	Overgrown	S	S	S	Poor recharge, requires purge dry and returning to sample
DGWA-70A	↑	S	S	S	S	S
DGWA-71	↑	Overgrown	Cracked Lid	S	S	S
DGWC-2	↓	S	S	Bollard knocked over	S	S
DGWC-4	↓	Overgrown	S	S	S	S
DGWC-5	↓	Overgrown	S	S	S	S
DGWC-8	↓	S	S	S	S	S
DGWC-9	↓	S	S	S	S	3 Well Volumes
DGWC-10	↓	S	S	S	S	S
DGWC-11	↓	S	S	S	S	S
DGWC-12	↓	S	S	S	S	S
DGWC-13	↓	S	S	S	S	S
DGWC-14	↓	S	S	S	S	S
DGWC-15	↓	S	S	S	S	S
DGWC-17	↓	S	S	S	S	S
DGWC-19	↓	S	S	S	S	S
DGWC-20	↓	S	S	S	S	S
DGWC-21	↓	S	S	S	S	S
DGWC-22	↓	S	S	Bollard knocked over	S	S
DGWC-23	↓	S	S	S	S	S
DGWC-37	↓	In floodplain	S	S	S	S
DGWC-38	↓	S	S	S	S	S
DGWC-39	↓	Overgrown	S	S	S	S
DGWC-40	↓	S	S	S	S	S
DGWC-42	↓	S	S	S	S	S
DGWC-47	↓	S	S	S	S	S
DGWC-48	↓	S	S	S	S	S
DGWC-67	↓	In floodplain	S	S	S	S
DGWC-68A	↓	S	S	S	S	S
DGWC-69	↓	S	S	S	S	S

**WELL INSPECTION FORM
PLANT MCDONOUGH**

Well-ID	POSITION ↑ or ↓	LOCATION / IDENTIFICATION	PROTECTIVE CASING	SURFACE PAD	INTERNAL CASING	SAMPLING (Groundwater Wells Only)
		a. Visible and accessible b. Properly identified with correct ID c. Not in a high traffic area that requires traffic protection d. No standing water nearby, adequate surrounding drainage (S) for Satisfactory Discrepancies identified below	a. Free from damage, degradation, or deterioration b. Functioning weep hole c. Annular space free of debris and water, and has enough pea gravel d. Functioning lock and in good condition (S) for Satisfactory Discrepancies identified below	a. Pad & bollards in good condition b. Sloped away from the well c. In contact with protective casing d. Stable and in contact with ground surface e. Free of debris f. Survey pin clearly identified (S) for Satisfactory Discrepancies identified below	a. Cap prevents entry of foreign material b. Free of kinks or bends or any obstruction from foreign objects c. Weephole present and cap not too tight to allow equilibrium for air pressure d. Survey point clearly marked on the inner casing e. Sounded depth consistent with well log f. Stable/immobile (S) for Satisfactory Discrepancies identified below	a. Well recharges adequately when purged b. If dedicated sampling equipment installed, it is in good condition and specified in the approved groundwater plan for the facility c. Does not require redevelopment (S) for Satisfactory Discrepancies identified below
B-3	↓	S	S	S	S	S
B-6	↓	S	S	S	S	S
B-7	↓	S	S	S	S	S
B-16	↓	S	S	S	S	S
B-18	↓	S	S	S	S	S
B-24	↓	S	S	S	S	S
B-25	↓	S	S	S	S	S
B-26	↓	S	S	S	S	S
B-28	↓	S	S	S	S	S
B-29	↓	S	S	S	S	S
B-31	↓	S	S	S	S	S
B-41	↓	S	S	S	S	S
B-50	↓	S	S	S	S	S
B-51	↓	In floodplain	S	S	S	S
B-52	↓	S	S	S	S	S
B-54	↓	S	S	S	S	S
B-55	↓	S	S	S	S	S
B-56	↓	S	S	S	S	S
B-57	↓	S	S	S	S	S
B-58	↓	S	S	S	S	S
B-59	↓	S	S	S	S	S
B-60	↓	S	S	S	S	S
B-61	↓	S	S	S	S	S
B-62	↓	S	Bolts and washers replaced	S	Cave in - annular space	S
B-63	↓	S	S	Well pad cracked	S	S
B-64	↓	S	S	S	S	S
B-65	↓	S	S	Bolt intake broken	S	S
B-66	↓	S	S	S	S	S
B-68	↓	S	S	S	S	S
B-72	↓	In floodplain	S	S	S	S
B-73	↓	S	S	S	S	S
B-74	↓	S	S	S	S	S
B-76	↓	S	S	S	S	S

**WELL INSPECTION FORM
PLANT MCDONOUGH**

Well-ID	POSITION ↑ or ↓	LOCATION / IDENTIFICATION	PROTECTIVE CASING	SURFACE PAD	INTERNAL CASING	SAMPLING (Groundwater Wells Only)
		a. Visible and accessible b. Properly identified with correct ID c. Not in a high traffic area that requires traffic protection d. No standing water nearby, adequate surrounding drainage (S) for Satisfactory Discrepancies identified below	a. Free from damage, degradation, or deterioration b. Functioning weep hole c. Annular space free of debris and water, and has enough pea gravel d. Functioning lock and in good condition (S) for Satisfactory Discrepancies identified below	a. Pad & bollards in good condition b. Sloped away from the well c. In contact with protective casing d. Stable and in contact with ground surface e. Free of debris f. Survey pin clearly identified (S) for Satisfactory Discrepancies identified below	a. Cap prevents entry of foreign material b. Free of kinks or bends or any obstruction from foreign objects c. Weep hole present and cap not too tight to allow equilibrium for air pressure d. Survey point clearly marked on the inner casing e. Sounded depth consistent with well log f. Stable/immobile (S) for Satisfactory Discrepancies identified below	a. Well recharges adequately when purged b. If dedicated sampling equipment installed, it is in good condition and specified in the approved groundwater plan for the facility c. Does not require redevelopment (S) for Satisfactory Discrepancies identified below
B-77	↓	Well ID replaced	S	S	S	S
B-78	↓	S	S	S	S	S
B-79	↓	S	S	S	S	S
B-80	↓	S	Pea gravel added	S	Weep hole added	S
B-81	↓	S	S	S	S	S
B-82	↓	Downgrade of discharge pipe	S	S	S	S
B-83	↓	S	Washers replaced	S	S	S
B-84	↓	Well ID replaced	Bolt replaced	S	S	S
B-85	↓	S	S	S	S	S
B-86	↓	S	S	S	S	S
B-87	↓	Overgrown	S	Overgrown	S	S
B-88	↓	Overgrown	S	Overgrown	S	S
B-89	↓	S	S	S	S	S
B-90	↓	Close to Road	S	S	S	S
B-91	↓	Close to Road	S	S	S	S
B-92	↓	Close to Road	S	S	S	S
B-93	↓	Close to Road	S	S	S	S
B-94	↓	Overgrown	S	S	S	S
B-95	↓	Close to Road	S	Cracked Pad	S	S
B-96	↓	Close to Road	S	S	S	S
B-97	↓	Close to Road	S	S	S	S
B-98	↓	Close to Road	S	S	S	S
B-99	↓	S	S	S	S	S
B-100	↓	S	S	S	S	S
B-101D	↓	S	S	S	S	S
B-102D	↓	S	S	S	S	S
B-103D	↓	S	S	S	S	S
B-104D	↓	S	S	S	S	S
B-105D	↓	S	S	S	S	S
B-106D	↓	S	S	S	S	S
B-107D	↓	S	S	S	S	S
B-108D	↓	S	S	S	S	S
B-109D	↓	S	Pea gravel added	S	S	S
B-110D	↓	S	Bolt replaced	S	S	S
B-111D	↓	Overgrown	S	S	S	S

**WELL INSPECTION FORM
PLANT MCDONOUGH**

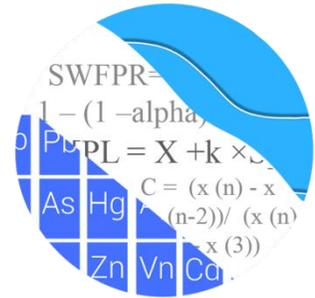
Well-ID	POSITION ↑ or ↓	LOCATION / IDENTIFICATION	PROTECTIVE CASING	SURFACE PAD	INTERNAL CASING	SAMPLING (Groundwater Wells Only)
		a. Visible and accessible b. Properly identified with correct ID c. Not in a high traffic area that requires traffic protection d. No standing water nearby, adequate surrounding drainage	a. Free from damage, degradation, or deterioration b. Functioning weep hole c. Annular space free of debris and water, and has enough pea gravel d. Functioning lock and in good condition	a. Pad & bollards in good condition b. Sloped away from the well c. In contact with protective casing d. Stable and in contact with ground surface e. Free of debris f. Survey pin clearly identified	a. Cap prevents entry of foreign material b. Free of kinks or bends or any obstruction from foreign objects c. Weep hole present and cap not too tight to allow equilibrium for air pressure d. Survey point clearly marked on the inner casing e. Sounded depth consistent with well log f. Stable/immobile	a. Well recharges adequately when purged b. If dedicated sampling equipment installed, it is in good condition and specified in the approved groundwater plan for the facility c. Does not require redevelopment
		(S) for Satisfactory Discrepancies identified below	(S) for Satisfactory Discrepancies identified below	(S) for Satisfactory Discrepancies identified below	(S) for Satisfactory Discrepancies identified below	(S) for Satisfactory Discrepancies identified below
B-112D	↓	S	S	S	S	S
B-113D	↓	In floodplain	S	S	S	S
B-115D	↓	S	S	S	S	S
B-116D	↑	S	S	S	S	S
B-117D	↑	Overgrown	S	S	S	S
B-118	↑	Well ID replaced	S	S	S	S
B-119D	↑	Well ID replaced	S	S	S	S
B-120D	↓	S	S	S	S	S
AP-1-B-3	IW	S	S	S	S	S
AP-1-B-7	IW	S	S	S	S	S
AP-1-B-8	IW	S	S	S	S	S
						S

NOTES:
IW = Interstitial Well
1. Provide pictures of any deficiencies.
2. Notify SCS /GPC of any noted deficiencies.
3. Provide additional comments as necessary to address any deficiencies.

APPENDIX D

Statistical Analyses

GROUNDWATER STATS CONSULTING



February 28, 2022

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 2021 Statistical Analysis

Dear Mr. Abraham,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the September 2021 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

- **Delineation 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-109D, B-111D, B-115D, and B-120D

The delineation 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, B-109D, and B-111D
- **2021** – B-115D and B-120D

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Kristina Rayner, Founder and Groundwater Statistician of 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 delineation 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 in background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the 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. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% non-detects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after careful screening for any new outliers. In some cases, earlier data are deselected prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

Summary of 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 will be flagged as outliers and deselected. Several low values exist in the data sets and appear on the graphs as possible low outliers relative to the laboratory's Practical Quantitation Limit. However, these values are observed trace values (i.e. measurements reported by the laboratory between the Method Detection Limit and the Practical Quantitation Limit) and, therefore, were not flagged as outliers.

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 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 2021

Interwell Prediction Limits

Interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical upgradient well data through September 2021 (Figure D). Background (upgradient) well data were re-assessed 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 2021 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 (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 natural 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 and DGWC-11
- Calcium: DGWC-4, DGWC-5, DGWC-11, and DGWC-19
- Chloride: DGWC-11, DGWC-15, and DGWC-20
- pH: DGCW-5 and DGWC-19
- Sulfate: DGWC-19
- TDS: DGWC-5, DGWC-11, and DGWC-19

Decreasing trends

- Boron: DGWC-2, DGWC-8, DGWC-9, DGWC-10, DGWC-12, DGWC-13, DGWC-20, DGWC-47, and DGWC-48
- Calcium: DGWC-2, DGWC-48, and DGWA-53 (upgradient)
- Chloride: DGWC-4, DGWC-12, DGWC-19, DGWC-21, DGWC-22, DGWC-23, DGWC-42, DGWC-48, and DGWA-53 (upgradient)
- Fluoride: DGWC-48
- pH: DGWC-9
- Sulfate: DGWC-2, DGWC-8, DGWC-12, DGWC-15, DGWC-20, DGWC-47, DGWC-48, DGWA-70A (upgradient), and DGWA-71 (upgradient)
- TDS: DGWC-8, DGWC-20, DGWC-48, and DGWA-53 (upgradient)

Statistical Analysis of Appendix IV Parameters – September 2021

For Appendix IV parameters, confidence intervals for each downgradient and delineation 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 delineation 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 new 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 2021 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. When data contained greater than 50% non-detects or did not follow a normal or transformed-normal distribution, non-parametric tolerance limits were used. Note that in order to maintain conservative limits from a regulatory perspective, non-parametric tolerance limits were used for cobalt.

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).

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 for a constituent, CCR-rule specified levels have been specified 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

On July 30, 2018, USEPA revised the Federal CCR rule updating GWPS for cobalt, lead, lithium, and molybdenum as described above in 40 CFR §257.95(h)(2). Georgia EPD has not incorporated the updated GWPS into the current Georgia EPD Rules for Solid Waste Management 391-3-4-.10(6)(a); therefore, for sites regulated under Georgia EPD Rules, the GWPS is:

- The MCL or
- The background concentration when an MCL is not established or when the background concentration is higher than the MCL.

Following the above Georgia EPD Rule requirements, GWPS were established for statistical comparison of Appendix IV constituents for the September 2021 sample event for the Federal and State rules (Figures G and H, respectively).

Confidence Intervals

To complete the statistical comparison to GWPS, confidence intervals were constructed for the Appendix IV constituents in accordance with the federal and state requirements in each downgradient well (Figures I and J, respectively). Note that confidence intervals require a minimum of 4 samples and, in many cases, the delineation wells had insufficient samples at this time. The Sanitas software was used to calculate the tolerance limits and the confidence intervals. Due to the required transformations to fit the data to a transformed normal distribution, 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 Figures I and J. A summary of the

confidence intervals follows this letter. Exceedances were noted for the following well/constituent pairs:

Federal:

- Arsenic: DGWC-9
- Beryllium: DGWC-5, DGWC-9, DGWC-10, DGWC-47, DGWC-48, and B-93
- Cobalt: DGWC-8, DGWC-9, DGWC-10, DGWC-19, DGWC-20, DGWC-47, DGWC-48, B-56, B-63, and B-93
- Combined Radium 226 + 228: B-104D
- Lithium: DGWC-47 and DGWC-48
- Selenium: DGWC-9

State:

- Arsenic: DGWC-9
- Beryllium: DGWC-5, DGWC-9, DGWC-10, DGWC-47, DGWC-48, and B-93
- Cobalt: DGWC-8, DGWC-9, DGWC-10, DGWC-19, DGWC-20, DGWC-47, DGWC-48, B-56, B-63, and B-93
- Combined Radium 226 + 228: B-104D
- Lithium: DGWC-47, DGWC-48, and B-104D
- Selenium: DGWC-9

Trend Test Evaluation – Appendix IV

Data at wells with confidence interval exceedances are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are statistically increasing, decreasing, or stable (Figure K). Upgradient wells are included in the trend analyses for all parameters found to exceed their prediction limit in downgradient wells to identify whether similar patterns exist upgradient of the site. When trends are present in upgradient trends, it is an indication of natural 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

- Cobalt: DGWC-9

Decreasing

- Beryllium: DGWA-70A (upgradient) and DGWC-47
- Cobalt: DGWA-53 (upgradient), DGWC-8, DGWC-9, DGWC-10, DGWC-47, and DGWC-48
- Lithium: DGWC-47 and DGWC-48

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,



Andrew T. Collins
Project Manager



Kristina L. Rayner
Groundwater Statistician

100% Non-Detects: Appendix IV Downgradient & Delineation Wells

Analysis Run 11/8/2021 1:50 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Antimony (mg/L)

DGWC-10, DGWC-11, DGWC-13, DGWC-20, DGWC-22, DGWC-42, DGWC-9, B-107D, B-108D, B-115D, B-56, B-66, B-82, B-83, B-88, B-92, B-97, B-98

Arsenic (mg/L)

DGWC-11, DGWC-13, DGWC-21, DGWC-23, B-100, B-102D, B-106D, B-107D, B-108D, B-109D, B-120D, B-62, B-63, B-66, B-82, B-83, B-88, B-97, B-98

Beryllium (mg/L)

DGWC-14, DGWC-2, B-108D, B-111D, B-66

Cadmium (mg/L)

DGWC-14, B-101D, B-104D, B-107D, B-108D, B-109D, B-111D, B-62, B-66, B-77

Chromium (mg/L)

DGWC-14, B-102D, B-106D, B-107D, B-108D, B-111D, B-115D, B-120D, B-66, B-92, B-97, B-98

Cobalt (mg/L)

DGWC-14, B-109D

Fluoride, total (mg/L)

B-100, B-107D, B-108D, B-120D, B-88

Lead (mg/L)

DGWC-22, B-106D, B-108D, B-109D, B-62, B-66, B-92, B-97, B-98

Lithium (mg/L)

B-66

Mercury (mg/L)

DGWC-47, B-102D, B-106D, B-109D, B-115D, B-120D, B-62, B-63, B-66, B-77, B-83, B-97, B-98

Molybdenum (mg/L)

DGWC-10, DGWC-11, DGWC-12, DGWC-14, DGWC-15, DGWC-17, DGWC-19, DGWC-20, DGWC-21, DGWC-22, DGWC-42, DGWC-47, DGWC-48, DGWC-5, DGWC-8, DGWC-9, B-100, B-102D, B-106D, B-107D, B-108D, B-115D, B-56, B-62, B-63, B-77, B-82, B-83, B-92, B-93, B-97, B-98

Selenium (mg/L)

DGWC-11, DGWC-21, DGWC-23, DGWC-42, B-102D, B-106D, B-107D, B-109D, B-62, B-63, B-66

Thallium (mg/L)

DGWC-11, DGWC-13, DGWC-14, DGWC-15, DGWC-2, DGWC-21, DGWC-23, B-100, B-101D, B-102D, B-104D, B-106D, B-107D, B-108D, B-109D, B-111D, B-115D, B-120D, B-62, B-63, B-66, B-77, B-92, B-93, B-97, B-98

Appendix III Interwell Prediction Limits - Significant Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 1:20 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	DGWC-10	0.13	n/a	9/10/2021	0.24	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-11	0.13	n/a	9/9/2021	1.5	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-12	0.13	n/a	9/9/2021	2	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-13	0.13	n/a	9/9/2021	0.62	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-15	0.13	n/a	9/9/2021	1.6	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-17	0.13	n/a	9/13/2021	0.78	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-19	0.13	n/a	9/9/2021	2.7	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-2	0.13	n/a	9/9/2021	0.51	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-20	0.13	n/a	9/10/2021	4.8	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-21	0.13	n/a	9/9/2021	5.8	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-22	0.13	n/a	9/10/2021	4.5	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-23	0.13	n/a	9/9/2021	4.7	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-4	0.13	n/a	9/10/2021	5	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-42	0.13	n/a	9/13/2021	0.95	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-47	0.13	n/a	9/10/2021	0.16	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-48	0.13	n/a	9/10/2021	0.55	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-5	0.13	n/a	9/10/2021	4.7	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-8	0.13	n/a	9/13/2021	0.86	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-9	0.13	n/a	9/10/2021	0.54	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-10	40.3	n/a	9/10/2021	82.4	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-11	40.3	n/a	9/9/2021	66.8	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-19	40.3	n/a	9/9/2021	93.6	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-2	40.3	n/a	9/9/2021	42	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-20	40.3	n/a	9/10/2021	69.8	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-21	40.3	n/a	9/9/2021	75.3	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-22	40.3	n/a	9/10/2021	62.3	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-23	40.3	n/a	9/9/2021	76.4	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-4	40.3	n/a	9/10/2021	285	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-48	40.3	n/a	9/10/2021	68.7	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-5	40.3	n/a	9/10/2021	123	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-9	40.3	n/a	9/10/2021	47.7	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	DGWC-10	5.07	n/a	9/10/2021	8.2	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-11	5.07	n/a	9/9/2021	13.6	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-12	5.07	n/a	9/9/2021	8.5	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-13	5.07	n/a	9/9/2021	12.9	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-15	5.07	n/a	9/9/2021	21.9	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-17	5.07	n/a	9/13/2021	18.2	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-19	5.07	n/a	9/9/2021	25.4	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-20	5.07	n/a	9/10/2021	26.2	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-21	5.07	n/a	9/9/2021	20.2	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-22	5.07	n/a	9/10/2021	17.3	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-23	5.07	n/a	9/9/2021	12.3	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-4	5.07	n/a	9/10/2021	13.9	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-42	5.07	n/a	9/13/2021	17.1	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-48	5.07	n/a	9/10/2021	10.9	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-5	5.07	n/a	9/10/2021	9.9	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-8	5.07	n/a	9/13/2021	8.2	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-9	5.07	n/a	9/10/2021	9	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Fluoride, total (mg/L)	DGWC-10	0.42	n/a	9/10/2021	2.2	Yes	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-48	0.42	n/a	9/10/2021	0.47	Yes	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-9	0.42	n/a	9/10/2021	2	Yes	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
pH, Field (SU)	DGWC-10	6.646	5.155	9/10/2021	5.05	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-17	6.646	5.155	9/13/2021	5.06	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-19	6.646	5.155	9/9/2021	4.82	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2

Appendix III Interwell Prediction Limits - Significant Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 1:20 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH, Field (SU)	DGWC-20	6.646	5.155	9/10/2021	4.67	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-42	6.646	5.155	9/13/2021	5.15	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-47	6.646	5.155	9/10/2021	4.1	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-48	6.646	5.155	9/10/2021	4.3	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-5	6.646	5.155	9/10/2021	4.89	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-8	6.646	5.155	9/13/2021	5.05	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-9	6.646	5.155	9/10/2021	3.98	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-10	33.32	n/a	9/10/2021	271	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-11	33.32	n/a	9/9/2021	247	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-12	33.32	n/a	9/9/2021	126	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-13	33.32	n/a	9/9/2021	127	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-14	33.32	n/a	9/9/2021	42.3	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-15	33.32	n/a	9/9/2021	139	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-17	33.32	n/a	9/13/2021	222	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-19	33.32	n/a	9/9/2021	315	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-2	33.32	n/a	9/9/2021	110	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-20	33.32	n/a	9/10/2021	399	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-21	33.32	n/a	9/9/2021	238	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-22	33.32	n/a	9/10/2021	234	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-23	33.32	n/a	9/9/2021	217	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-4	33.32	n/a	9/10/2021	823	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-42	33.32	n/a	9/13/2021	285	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-47	33.32	n/a	9/10/2021	123	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-48	33.32	n/a	9/10/2021	272	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-5	33.32	n/a	9/10/2021	449	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-8	33.32	n/a	9/13/2021	145	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-9	33.32	n/a	9/10/2021	264	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-10	299.2	n/a	9/10/2021	474	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-11	299.2	n/a	9/9/2021	433	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-17	299.2	n/a	9/13/2021	424	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-19	299.2	n/a	9/9/2021	480	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-20	299.2	n/a	9/10/2021	678	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-21	299.2	n/a	9/9/2021	396	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-22	299.2	n/a	9/10/2021	468	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-23	299.2	n/a	9/9/2021	455	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-4	299.2	n/a	9/10/2021	1520	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-42	299.2	n/a	9/13/2021	508	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-48	299.2	n/a	9/10/2021	532	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-5	299.2	n/a	9/10/2021	792	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-8	299.2	n/a	9/13/2021	306	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-9	299.2	n/a	9/10/2021	466	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 1:20 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	DGWC-10	0.13	n/a	9/10/2021	0.24	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-11	0.13	n/a	9/9/2021	1.5	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-12	0.13	n/a	9/9/2021	2	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-13	0.13	n/a	9/9/2021	0.62	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-14	0.13	n/a	9/9/2021	0.08	No	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-15	0.13	n/a	9/9/2021	1.6	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-17	0.13	n/a	9/13/2021	0.78	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-19	0.13	n/a	9/9/2021	2.7	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-2	0.13	n/a	9/9/2021	0.51	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-20	0.13	n/a	9/10/2021	4.8	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-21	0.13	n/a	9/9/2021	5.8	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-22	0.13	n/a	9/10/2021	4.5	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-23	0.13	n/a	9/9/2021	4.7	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-4	0.13	n/a	9/10/2021	5	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-42	0.13	n/a	9/13/2021	0.95	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-47	0.13	n/a	9/10/2021	0.16	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-48	0.13	n/a	9/10/2021	0.55	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-5	0.13	n/a	9/10/2021	4.7	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-8	0.13	n/a	9/13/2021	0.86	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-9	0.13	n/a	9/10/2021	0.54	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-10	40.3	n/a	9/10/2021	82.4	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-11	40.3	n/a	9/9/2021	66.8	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-12	40.3	n/a	9/9/2021	29.2	No	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-13	40.3	n/a	9/9/2021	38.2	No	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-14	40.3	n/a	9/9/2021	11.1	No	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-15	40.3	n/a	9/9/2021	34.4	No	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-17	40.3	n/a	9/13/2021	15.8	No	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-19	40.3	n/a	9/9/2021	93.6	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-2	40.3	n/a	9/9/2021	42	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-20	40.3	n/a	9/10/2021	69.8	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-21	40.3	n/a	9/9/2021	75.3	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-22	40.3	n/a	9/10/2021	62.3	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-23	40.3	n/a	9/9/2021	76.4	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-4	40.3	n/a	9/10/2021	285	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-42	40.3	n/a	9/13/2021	38.9	No	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-47	40.3	n/a	9/10/2021	24.4	No	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-48	40.3	n/a	9/10/2021	68.7	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-5	40.3	n/a	9/10/2021	123	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-8	40.3	n/a	9/13/2021	36	No	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-9	40.3	n/a	9/10/2021	47.7	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	DGWC-10	5.07	n/a	9/10/2021	8.2	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-11	5.07	n/a	9/9/2021	13.6	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-12	5.07	n/a	9/9/2021	8.5	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-13	5.07	n/a	9/9/2021	12.9	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-14	5.07	n/a	9/9/2021	3.3	No	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-15	5.07	n/a	9/9/2021	21.9	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-17	5.07	n/a	9/13/2021	18.2	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-19	5.07	n/a	9/9/2021	25.4	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-2	5.07	n/a	9/9/2021	2.1	No	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-20	5.07	n/a	9/10/2021	26.2	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-21	5.07	n/a	9/9/2021	20.2	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-22	5.07	n/a	9/10/2021	17.3	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-23	5.07	n/a	9/9/2021	12.3	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-4	5.07	n/a	9/10/2021	13.9	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 1:20 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride, Total (mg/L)	DGWC-42	5.07	n/a	9/13/2021	17.1	Yes	43	0.9633	0.2952	0	None	In(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-47	5.07	n/a	9/10/2021	2.4	No	43	0.9633	0.2952	0	None	In(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-48	5.07	n/a	9/10/2021	10.9	Yes	43	0.9633	0.2952	0	None	In(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-5	5.07	n/a	9/10/2021	9.9	Yes	43	0.9633	0.2952	0	None	In(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-8	5.07	n/a	9/13/2021	8.2	Yes	43	0.9633	0.2952	0	None	In(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-9	5.07	n/a	9/10/2021	9	Yes	43	0.9633	0.2952	0	None	In(x)	0.0003762	Param Inter 1 of 2
Fluoride, total (mg/L)	DGWC-10	0.42	n/a	9/10/2021	2.2	Yes	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-11	0.42	n/a	9/9/2021	0.1ND	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-12	0.42	n/a	9/9/2021	0.099J	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-13	0.42	n/a	9/9/2021	0.083J	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-14	0.42	n/a	9/9/2021	0.1ND	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-15	0.42	n/a	9/9/2021	0.1ND	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-17	0.42	n/a	9/13/2021	0.063J	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-19	0.42	n/a	9/9/2021	0.18	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-2	0.42	n/a	9/9/2021	0.053J	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-20	0.42	n/a	9/10/2021	0.25	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-21	0.42	n/a	9/9/2021	0.1ND	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-22	0.42	n/a	9/10/2021	0.1ND	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-23	0.42	n/a	9/9/2021	0.084J	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-4	0.42	n/a	9/10/2021	0.1ND	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-42	0.42	n/a	9/13/2021	0.1ND	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-47	0.42	n/a	9/10/2021	0.22	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-48	0.42	n/a	9/10/2021	0.47	Yes	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-5	0.42	n/a	9/10/2021	0.16	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-8	0.42	n/a	9/13/2021	0.069J	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-9	0.42	n/a	9/10/2021	2	Yes	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
pH, Field (SU)	DGWC-10	6.646	5.155	9/10/2021	5.05	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-11	6.646	5.155	9/9/2021	5.59	No	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-12	6.646	5.155	9/9/2021	6.07	No	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-13	6.646	5.155	9/9/2021	5.69	No	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-14	6.646	5.155	9/9/2021	5.7	No	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-15	6.646	5.155	9/9/2021	5.83	No	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-17	6.646	5.155	9/13/2021	5.06	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-19	6.646	5.155	9/9/2021	4.82	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-2	6.646	5.155	9/9/2021	6	No	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-20	6.646	5.155	9/10/2021	4.67	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-21	6.646	5.155	9/9/2021	5.73	No	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-22	6.646	5.155	9/10/2021	5.65	No	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-23	6.646	5.155	9/9/2021	6	No	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-4	6.646	5.155	9/10/2021	5.83	No	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-42	6.646	5.155	9/13/2021	5.15	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-47	6.646	5.155	9/10/2021	4.1	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-48	6.646	5.155	9/10/2021	4.3	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-5	6.646	5.155	9/10/2021	4.89	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-8	6.646	5.155	9/13/2021	5.05	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-9	6.646	5.155	9/10/2021	3.98	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-10	33.32	n/a	9/10/2021	271	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-11	33.32	n/a	9/9/2021	247	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-12	33.32	n/a	9/9/2021	126	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-13	33.32	n/a	9/9/2021	127	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-14	33.32	n/a	9/9/2021	42.3	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-15	33.32	n/a	9/9/2021	139	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-17	33.32	n/a	9/13/2021	222	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-19	33.32	n/a	9/9/2021	315	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 1:20 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate as SO4 (mg/L)	DGWC-2	33.32	n/a	9/9/2021	110	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-20	33.32	n/a	9/10/2021	399	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-21	33.32	n/a	9/9/2021	238	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-22	33.32	n/a	9/10/2021	234	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-23	33.32	n/a	9/9/2021	217	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-4	33.32	n/a	9/10/2021	823	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-42	33.32	n/a	9/13/2021	285	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-47	33.32	n/a	9/10/2021	123	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-48	33.32	n/a	9/10/2021	272	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-5	33.32	n/a	9/10/2021	449	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-8	33.32	n/a	9/13/2021	145	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-9	33.32	n/a	9/10/2021	264	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-10	299.2	n/a	9/10/2021	474	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-11	299.2	n/a	9/9/2021	433	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-12	299.2	n/a	9/9/2021	275	No	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-13	299.2	n/a	9/9/2021	246	No	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-14	299.2	n/a	9/9/2021	99	No	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-15	299.2	n/a	9/9/2021	292	No	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-17	299.2	n/a	9/13/2021	424	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-19	299.2	n/a	9/9/2021	480	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-2	299.2	n/a	9/9/2021	260	No	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-20	299.2	n/a	9/10/2021	678	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-21	299.2	n/a	9/9/2021	396	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-22	299.2	n/a	9/10/2021	468	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-23	299.2	n/a	9/9/2021	455	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-4	299.2	n/a	9/10/2021	1520	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-42	299.2	n/a	9/13/2021	508	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-47	299.2	n/a	9/10/2021	274	No	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-48	299.2	n/a	9/10/2021	532	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-5	299.2	n/a	9/10/2021	792	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-8	299.2	n/a	9/13/2021	306	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-9	299.2	n/a	9/10/2021	466	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2

Appendix III Trend Tests - Significant Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 2/25/2022, 7:30 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron, total (mg/L)	DGWC-10	-0.7511	-62	-43	Yes	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-11	0.06556	62	43	Yes	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-12	-1.24	-63	-53	Yes	15	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-13	-0.08547	-49	-43	Yes	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-2	-0.263	-85	-48	Yes	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-20	-0.7252	-64	-48	Yes	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-4	0.3101	54	43	Yes	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-47	-0.0335	-76	-48	Yes	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-48	-0.07754	-68	-48	Yes	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-8	-0.4216	-69	-43	Yes	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-9	-0.2815	-80	-48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWA-53 (bg)	-4.533	-57	-48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-11	4.66	64	43	Yes	13	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-19	6.089	75	48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-2	-15.03	-87	-48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-4	21.16	50	43	Yes	13	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-48	-7.485	-73	-48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-5	8.05	50	43	Yes	13	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWA-53 (bg)	-0.1941	-59	-53	Yes	15	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-11	1.079	44	43	Yes	13	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-12	-0.7273	-55	-43	Yes	13	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-15	0.5787	57	48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-19	-3.305	-69	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-20	2.833	83	48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-21	-1.053	-62	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-22	-2.241	-68	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-23	-0.873	-72	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-4	-3.438	-85	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-42	-3.134	-79	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-48	-2.232	-67	-48	Yes	14	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	DGWC-48	-0.1917	-68	-58	Yes	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-19	0.05374	74	58	Yes	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-5	0.112	74	58	Yes	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-9	-0.02122	-75	-58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWA-70A (bg)	-0.2582	-50	-48	Yes	14	35.71	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWA-71 (bg)	-1.564	-72	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-12	-47.07	-54	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-15	-8.561	-57	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-19	17.24	60	48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-2	-59.83	-83	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-20	-51.63	-69	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-47	-58.21	-78	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-48	-56.15	-76	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-8	-72.96	-72	-43	Yes	13	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWA-53 (bg)	-26.59	-62	-48	Yes	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-11	32.36	53	43	Yes	13	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-19	29.77	52	48	Yes	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-20	-58.61	-69	-48	Yes	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-48	-61.71	-79	-48	Yes	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-5	38.2	54	43	Yes	13	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-8	-87.61	-70	-43	Yes	13	0	n/a	n/a	0.01	NP

Appendix III Trend Tests - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 2/25/2022, 7:30 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron, total (mg/L)	DGWA-53 (bg)	-0.002041	-16	-48	No	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWA-70A (bg)	0	14	48	No	14	57.14	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWA-71 (bg)	0	-2	-43	No	13	23.08	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-10	-0.7511	-62	-43	Yes	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-11	0.06556	62	43	Yes	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-12	-1.24	-63	-53	Yes	15	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-13	-0.08547	-49	-43	Yes	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-15	0.01926	22	48	No	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-17	0.03666	39	48	No	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-19	-0.1898	-40	-48	No	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-2	-0.263	-85	-48	Yes	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-20	-0.7252	-64	-48	Yes	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-21	0.2662	21	48	No	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-22	0.1044	17	48	No	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-23	0.1025	25	48	No	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-4	0.3101	54	43	Yes	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-42	-0.01135	-22	-48	No	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-47	-0.0335	-76	-48	Yes	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-48	-0.07754	-68	-48	Yes	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-5	-0.1613	-13	-43	No	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-8	-0.4216	-69	-43	Yes	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-9	-0.2815	-80	-48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWA-53 (bg)	-4.533	-57	-48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWA-70A (bg)	-0.1515	-29	-48	No	14	7.143	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWA-71 (bg)	-0.6883	-36	-43	No	13	7.692	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-10	-1.262	-14	-43	No	13	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-11	4.66	64	43	Yes	13	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-19	6.089	75	48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-2	-15.03	-87	-48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-20	-4.731	-43	-48	No	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-21	2.444	41	48	No	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-22	0.05105	6	48	No	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-23	1.103	32	48	No	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-4	21.16	50	43	Yes	13	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-48	-7.485	-73	-48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-5	8.05	50	43	Yes	13	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-9	-5.362	-25	-48	No	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWA-53 (bg)	-0.1941	-59	-53	Yes	15	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWA-70A (bg)	-0.08417	-33	-48	No	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWA-71 (bg)	0.07636	12	48	No	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-10	-0.6293	-33	-48	No	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-11	1.079	44	43	Yes	13	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-12	-0.7273	-55	-43	Yes	13	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-13	-0.3754	-14	-43	No	13	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-15	0.5787	57	48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-17	0.6518	35	48	No	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-19	-3.305	-69	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-20	2.833	83	48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-21	-1.053	-62	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-22	-2.241	-68	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-23	-0.873	-72	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-4	-3.438	-85	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-42	-3.134	-79	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-48	-2.232	-67	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-5	0.4296	43	43	No	13	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-8	-0.1857	-24	-43	No	13	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-9	0.5877	44	48	No	14	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	DGWA-53 (bg)	-0.001259	-9	-63	No	17	11.76	n/a	n/a	0.01	NP

Appendix III Trend Tests - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 2/25/2022, 7:30 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Fluoride, total (mg/L)	DGWA-70A (bg)	0.01092	48	53	No	15	66.67	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	DGWA-71 (bg)	0	32	58	No	16	81.25	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	DGWC-10	0.03121	14	58	No	16	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	DGWC-48	-0.1917	-68	-58	Yes	16	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	DGWC-9	0.03993	16	58	No	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWA-53 (bg)	0.02897	13	63	No	17	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWA-70A (bg)	-0.02535	-22	-58	No	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWA-71 (bg)	0.03005	28	63	No	17	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-10	0.061	32	63	No	17	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-17	-0.003279	-9	-63	No	17	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-19	0.05374	74	58	Yes	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-20	-0.02007	-42	-53	No	15	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-42	-0.02543	-32	-58	No	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-47	-0.1735	-52	-58	No	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-48	-0.02287	-24	-58	No	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-5	0.112	74	58	Yes	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-8	0	-3	-58	No	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-9	-0.02122	-75	-58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWA-53 (bg)	-1.708	-31	-53	No	15	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWA-70A (bg)	-0.2582	-50	-48	Yes	14	35.71	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWA-71 (bg)	-1.564	-72	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-10	-35.48	-42	-48	No	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-11	15.01	34	43	No	13	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-12	-47.07	-54	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-13	-7.462	-36	-43	No	13	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-14	-0.3613	-11	-43	No	13	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-15	-8.561	-57	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-17	-0.2865	-6	-48	No	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-19	17.24	60	48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-2	-59.83	-83	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-20	-51.63	-69	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-21	-7.197	-43	-48	No	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-22	-5.563	-14	-48	No	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-23	0	3	48	No	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-4	34.38	33	48	No	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-42	-12.99	-40	-48	No	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-47	-58.21	-78	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-48	-56.15	-76	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-5	1.576	2	43	No	13	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-8	-72.96	-72	-43	Yes	13	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-9	-8.648	-15	-48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWA-53 (bg)	-26.59	-62	-48	Yes	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWA-70A (bg)	-1.029	-7	-48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWA-71 (bg)	-5.605	-39	-48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-10	-38.88	-42	-48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-11	32.36	53	43	Yes	13	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-17	11.01	34	48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-19	29.77	52	48	Yes	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-20	-58.61	-69	-48	Yes	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-21	1.49	4	48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-22	-5.683	-27	-48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-23	0.7783	3	48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-4	86.33	45	48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-42	-15.87	-24	-48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-48	-61.71	-79	-48	Yes	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-5	38.2	54	43	Yes	13	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-8	-87.61	-70	-43	Yes	13	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-9	7.766	16	48	No	14	0	n/a	n/a	0.01	NP

Upper Tolerance Limits Summary Table

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 1:23 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>Bg Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Antimony (mg/L)	n/a	0.003	n/a	n/a	n/a	44	n/a	n/a	79.55	n/a	n/a	0.1047	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.005	n/a	n/a	n/a	44	n/a	n/a	81.82	n/a	n/a	0.1047	NP Inter(NDs)
Barium (mg/L)	n/a	0.19	n/a	n/a	n/a	44	n/a	n/a	0	n/a	n/a	0.1047	NP Inter(normality)
Beryllium (mg/L)	n/a	0.0009	n/a	n/a	n/a	45	n/a	n/a	62.22	n/a	n/a	0.09944	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.0005	n/a	n/a	n/a	44	n/a	n/a	93.18	n/a	n/a	0.1047	NP Inter(NDs)
Chromium (mg/L)	n/a	0.005	n/a	n/a	n/a	43	n/a	n/a	60.47	n/a	n/a	0.1102	NP Inter(NDs)
Cobalt (mg/L)	n/a	0.0322	n/a	n/a	n/a	44	n/a	n/a	36.36	n/a	n/a	0.1047	NP Inter(normality)
Combined Radium 226 + 228 (pCi/L)	n/a	5.605	n/a	n/a	n/a	46	1.041	0.3523	0	None	x^(1/3)	0.05	Inter
Fluoride, total (mg/L)	n/a	0.42	n/a	n/a	n/a	48	n/a	n/a	52.08	n/a	n/a	0.08526	NP Inter(NDs)
Lead (mg/L)	n/a	0.001	n/a	n/a	n/a	44	n/a	n/a	79.55	n/a	n/a	0.1047	NP Inter(NDs)
Lithium (mg/L)	n/a	0.03	n/a	n/a	n/a	44	n/a	n/a	36.36	n/a	n/a	0.1047	NP Inter(normality)
Mercury (mg/L)	n/a	0.0002	n/a	n/a	n/a	44	n/a	n/a	86.36	n/a	n/a	0.1047	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.0409	n/a	n/a	n/a	44	n/a	n/a	63.64	n/a	n/a	0.1047	NP Inter(NDs)
Selenium (mg/L)	n/a	0.005	n/a	n/a	n/a	44	n/a	n/a	100	n/a	n/a	0.1047	NP Inter(NDs)
Thallium (mg/L)	n/a	0.001	n/a	n/a	n/a	44	n/a	n/a	95.45	n/a	n/a	0.1047	NP Inter(NDs)

PLANT MCDONOUGH ASH POND 1 GWPS TABLE - FEDERAL				
Constituent Name	MCL	CCR-Rule Specified	Background Limit	GWPS
Antimony, Total (mg/L)	0.006		0.003	0.006
Arsenic, Total (mg/L)	0.01		0.005	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		5.61	5.61
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*

PLANT MCDONOUGH ASH POND 1 GWPS TABLE - STATE				
Constituent Name	MCL	CCR-Rule Specified	Background Limit	GWPS
Antimony, Total (mg/L)	0.006		0.003	0.006
Arsenic, Total (mg/L)	0.01		0.005	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		5.61	5.61
Fluoride, Total (mg/L)	4		0.42	4
Lead, Total (mg/L)		0.015	0.001	0.001
Lithium, Total (mg/L)		0.04	0.03	0.03
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)		0.1	0.041	0.041
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*

Federal Confidence Intervals - Significant Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	DGWC-9	0.03003	0.0172	0.01	Yes	15	0.02361	0.009468	6.667	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-10	0.009208	0.005678	0.004	Yes	14	0.007443	0.002492	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-47	0.01281	0.009018	0.004	Yes	15	0.01091	0.002797	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-48	0.009234	0.007526	0.004	Yes	15	0.00838	0.00126	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-5	0.008688	0.006197	0.004	Yes	14	0.007443	0.001758	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-9	0.005896	0.004931	0.004	Yes	15	0.005413	0.000712	0	None	No	0.01	Param.
Beryllium (mg/L)	B-93	0.01805	0.006467	0.004	Yes	5	0.01378	0.003942	0	None	x^3	0.01	Param.
Cobalt (mg/L)	DGWC-10	0.1888	0.1413	0.032	Yes	14	0.1537	0.04866	0	None	x^4	0.01	Param.
Cobalt (mg/L)	DGWC-19	0.05331	0.04925	0.032	Yes	15	0.05128	0.002996	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-20	0.6394	0.4659	0.032	Yes	15	0.5575	0.1355	0	None	x^(1/3)	0.01	Param.
Cobalt (mg/L)	DGWC-47	0.3858	0.253	0.032	Yes	15	0.3194	0.09792	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-48	0.5073	0.402	0.032	Yes	15	0.4547	0.07771	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-8	0.0878	0.04412	0.032	Yes	14	0.06596	0.03083	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-9	0.201	0.1437	0.032	Yes	15	0.1724	0.04231	0	None	No	0.01	Param.
Cobalt (mg/L)	B-56	0.05421	0.03629	0.032	Yes	4	0.04525	0.003948	0	None	No	0.01	Param.
Cobalt (mg/L)	B-63	0.0547	0.0353	0.032	Yes	5	0.045	0.005788	0	None	No	0.01	Param.
Cobalt (mg/L)	B-93	0.069	0.0594	0.032	Yes	5	0.0642	0.002864	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-104D	21.26	6.892	5.61	Yes	4	14.08	3.164	0	None	No	0.01	Param.
Lithium (mg/L)	DGWC-47	0.07457	0.05787	0.04	Yes	15	0.06622	0.01232	0	None	No	0.01	Param.
Lithium (mg/L)	DGWC-48	0.1269	0.106	0.04	Yes	15	0.1165	0.01544	0	None	No	0.01	Param.
Selenium (mg/L)	DGWC-9	0.1308	0.05207	0.05	Yes	15	0.09144	0.0581	0	None	No	0.01	Param.

Federal Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	B-100	0.001954	0.001046	0.006	No	4	0.00225	0.0008813	50	Kaplan-Meier	No	0.01	Param.
Antimony (mg/L)	B-102D	0.003	0.0016	0.006	No	4	0.00265	0.0007	75	Kaplan-Meier	No	0.0625	NP (NDs)
Antimony (mg/L)	B-104D	0.001068	0.0003847	0.006	No	4	0.00126	0.001169	25	Kaplan-Meier	x^(1/3)	0.01	Param.
Antimony (mg/L)	B-111D	0.003	0.0006	0.006	No	4	0.0024	0.0012	75	Kaplan-Meier	No	0.0625	NP (NDs)
Antimony (mg/L)	B-62	0.003	0.00046	0.006	No	7	0.002637	0.00096	85.71	Kaplan-Meier	No	0.008	NP (NDs)
Antimony (mg/L)	B-63	0.003	0.00066	0.006	No	4	0.002415	0.00117	75	None	No	0.0625	NP (NDs)
Antimony (mg/L)	B-77	0.003	0.00036	0.006	No	6	0.001737	0.001387	50	None	No	0.0155	NP (normality)
Antimony (mg/L)	B-93	0.003	0.0014	0.006	No	4	0.0026	0.0008	75	None	No	0.0625	NP (NDs)
Antimony (mg/L)	DGWC-12	0.003	0.0003	0.006	No	16	0.002831	0.000675	93.75	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-14	0.003	0.0011	0.006	No	15	0.002873	0.0004906	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-15	0.003	0.00073	0.006	No	15	0.002671	0.0008724	86.67	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-17	0.003	0.00045	0.006	No	15	0.00283	0.0006584	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-19	0.003	0.00036	0.006	No	15	0.002824	0.0006816	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-2	0.003	0.0006	0.006	No	15	0.00284	0.0006197	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-21	0.003	0.0013	0.006	No	15	0.002887	0.0004389	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-23	0.003	0.0007	0.006	No	15	0.002847	0.0005939	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-4	0.003	0.0008	0.006	No	14	0.002491	0.001014	78.57	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-47	0.003	0.0012	0.006	No	15	0.00288	0.0004648	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-48	0.003	0.0018	0.006	No	15	0.002746	0.0007213	86.67	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-5	0.003	0.0015	0.006	No	14	0.002701	0.0007935	85.71	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-8	0.003	0.00046	0.006	No	14	0.002819	0.0006788	92.86	None	No	0.01	NP (NDs)
Arsenic (mg/L)	B-104D	0.002881	0.001519	0.01	No	4	0.0036	0.001635	50	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	B-111D	0.003281	0.001919	0.01	No	4	0.0038	0.001407	50	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	B-56	0.0047	0.003	0.01	No	4	0.0035	0.0008042	0	None	No	0.0625	NP (normality)
Arsenic (mg/L)	B-77	0.002882	0.001869	0.01	No	6	0.003233	0.001409	33.33	Kaplan-Meier	ln(x)	0.01	Param.
Arsenic (mg/L)	B-93	0.003589	0.0004108	0.01	No	4	0.0035	0.001824	50	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	DGWC-10	0.00717	0.003601	0.01	No	14	0.005386	0.002519	7.143	None	No	0.01	Param.
Arsenic (mg/L)	DGWC-12	0.005	0.00063	0.01	No	16	0.004452	0.001498	87.5	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-14	0.005	0.00039	0.01	No	15	0.004693	0.00119	93.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-15	0.005	0.0013	0.01	No	15	0.004169	0.001726	80	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-17	0.005	0.0008	0.01	No	15	0.003395	0.002042	60	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-19	0.002035	0.0009847	0.01	No	15	0.002317	0.001551	20	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	DGWC-2	0.005	0.0025	0.01	No	15	0.004566	0.00118	86.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-20	0.01666	0.007499	0.01	No	15	0.01208	0.006761	0	None	No	0.01	Param.
Arsenic (mg/L)	DGWC-22	0.005	0.001	0.01	No	15	0.004733	0.001033	93.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-4	0.005	0.0008	0.01	No	14	0.004057	0.001875	78.57	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-42	0.005	0.0011	0.01	No	15	0.004453	0.001445	86.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-47	0.002647	0.001328	0.01	No	15	0.002627	0.001504	20	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	DGWC-48	0.005	0.0008	0.01	No	15	0.003206	0.002005	53.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-5	0.0118	0.002817	0.01	No	14	0.008443	0.009971	14.29	None	x^(1/3)	0.01	Param.
Arsenic (mg/L)	DGWC-8	0.005	0.0012	0.01	No	14	0.00369	0.001839	64.29	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-9	0.03003	0.0172	0.01	Yes	15	0.02361	0.009468	6.667	None	No	0.01	Param.
Barium (mg/L)	B-100	0.022	0.015	2	No	4	0.02	0.003367	0	None	No	0.0625	NP (selected)
Barium (mg/L)	B-102D	0.02571	0.01829	2	No	4	0.022	0.001633	0	None	No	0.01	Param.
Barium (mg/L)	B-104D	0.026	0.021	2	No	4	0.0225	0.00238	0	None	No	0.0625	NP (normality)
Barium (mg/L)	B-111D	0.05204	0.01546	2	No	4	0.03375	0.008057	0	None	No	0.01	Param.
Barium (mg/L)	B-56	0.03185	0.02315	2	No	4	0.0275	0.001915	0	None	No	0.01	Param.
Barium (mg/L)	B-62	0.02758	0.01985	2	No	7	0.02371	0.003251	0	None	No	0.01	Param.
Barium (mg/L)	B-63	0.03208	0.01592	2	No	4	0.024	0.003559	0	None	No	0.01	Param.
Barium (mg/L)	B-66	0.01942	0.01508	2	No	4	0.01725	0.0009574	0	None	No	0.01	Param.
Barium (mg/L)	B-77	0.1255	0.08983	2	No	6	0.1077	0.01299	0	None	No	0.01	Param.

Federal Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	B-82	0.03301	0.01899	2	No	5	0.026	0.004183	0	None	No	0.01	Param.
Barium (mg/L)	B-83	0.05537	0.02029	2	No	5	0.0358	0.01158	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	B-88	0.02418	-0.01405	2	No	4	0.02025	0.002872	0	None	x^5	0.01	Param.
Barium (mg/L)	B-93	0.01892	0.01458	2	No	4	0.01675	0.0009574	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-10	0.02962	0.02305	2	No	14	0.02634	0.004637	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-11	0.06644	0.05633	2	No	14	0.06139	0.007138	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-12	0.03199	0.02415	2	No	16	0.02824	0.006231	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	DGWC-13	0.03292	0.02732	2	No	14	0.02908	0.007369	7.143	None	x^3	0.01	Param.
Barium (mg/L)	DGWC-14	0.06261	0.05787	2	No	15	0.06024	0.003493	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-15	0.05073	0.0443	2	No	15	0.04751	0.004744	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-17	0.05635	0.04167	2	No	15	0.04901	0.01083	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-19	0.02541	0.02177	2	No	15	0.02359	0.002686	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-2	0.02268	0.02132	2	No	15	0.022	0.001	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-20	0.01537	0.009179	2	No	15	0.01227	0.004566	6.667	None	No	0.01	Param.
Barium (mg/L)	DGWC-21	0.0272	0.024	2	No	15	0.02596	0.001505	0	None	No	0.01	NP (normality)
Barium (mg/L)	DGWC-22	0.03773	0.03193	2	No	15	0.03483	0.004281	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-23	0.0236	0.01844	2	No	15	0.02113	0.004092	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	DGWC-4	0.03617	0.0322	2	No	14	0.03419	0.002802	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-42	0.0205	0.01622	2	No	15	0.01836	0.003153	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-47	0.01975	0.01597	2	No	15	0.01786	0.002794	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-48	0.01436	0.01298	2	No	15	0.01367	0.001016	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-5	0.01834	0.01649	2	No	13	0.01742	0.001247	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-8	0.03806	0.02666	2	No	14	0.03236	0.008048	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-9	0.01623	0.01484	2	No	15	0.01553	0.00103	0	None	No	0.01	Param.
Beryllium (mg/L)	B-100	0.0006113	0.0002587	0.004	No	4	0.000435	0.00007767	0	None	No	0.01	Param.
Beryllium (mg/L)	B-102D	0.001543	0.0009569	0.004	No	4	0.00125	0.0001291	0	None	No	0.01	Param.
Beryllium (mg/L)	B-104D	0.001785	0.0009153	0.004	No	4	0.00135	0.0001915	0	None	No	0.01	Param.
Beryllium (mg/L)	B-56	0.001385	0.001015	0.004	No	4	0.0012	0.00008165	0	None	No	0.01	Param.
Beryllium (mg/L)	B-62	0.0005	0.000078	0.004	No	8	0.0002085	0.000181	25	None	No	0.004	NP (normality)
Beryllium (mg/L)	B-63	0.0004803	0.0003037	0.004	No	6	0.00041	0.00007797	16.67	Kaplan-Meier	No	0.01	Param.
Beryllium (mg/L)	B-77	0.0001464	0.00004658	0.004	No	6	0.0002267	0.0002142	33.33	Kaplan-Meier	ln(x)	0.01	Param.
Beryllium (mg/L)	B-82	0.001807	0.001073	0.004	No	5	0.00144	0.0002191	0	None	No	0.01	Param.
Beryllium (mg/L)	B-83	0.0006999	0.0001718	0.004	No	5	0.000404	0.000173	0	None	sqrt(x)	0.01	Param.
Beryllium (mg/L)	B-88	0.005	0.00063	0.004	No	4	0.002008	0.00202	0	None	No	0.0625	NP (selected)
Beryllium (mg/L)	B-93	0.01805	0.006467	0.004	Yes	5	0.01378	0.003942	0	None	x^3	0.01	Param.
Beryllium (mg/L)	B-97	0.0019	0.0015	0.004	No	4	0.001725	0.0002062	25	None	No	0.0625	NP (selected)
Beryllium (mg/L)	B-98	0.00087	0.0005	0.004	No	4	0.0005925	0.000185	75	None	No	0.0625	NP (NDs)
Beryllium (mg/L)	DGWC-10	0.009208	0.005678	0.004	Yes	14	0.007443	0.002492	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-11	0.003	0.00013	0.004	No	14	0.0004964	0.0007432	50	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-12	0.00049	0.00011	0.004	No	16	0.0003943	0.0007051	12.5	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-13	0.003	0.00007	0.004	No	14	0.0005256	0.000742	64.29	None	No	0.01	NP (NDs)
Beryllium (mg/L)	DGWC-15	0.003	0.00022	0.004	No	15	0.0006185	0.0006715	86.67	None	No	0.01	NP (NDs)
Beryllium (mg/L)	DGWC-17	0.0006188	0.0005265	0.004	No	15	0.0005727	0.00006808	13.33	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-19	0.0021	0.0017	0.004	No	15	0.001907	0.0004978	13.33	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-20	0.004866	0.002215	0.004	No	15	0.003673	0.002056	13.33	None	sqrt(x)	0.01	Param.
Beryllium (mg/L)	DGWC-21	0.0005	0.0001	0.004	No	15	0.000374	0.0007325	13.33	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-22	0.0005	0.00014	0.004	No	15	0.000376	0.0007316	13.33	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-23	0.0005	0.00038	0.004	No	15	0.000618	0.0006665	13.33	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-4	0.00028	0.00019	0.004	No	14	0.0004279	0.0007463	14.29	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-42	0.002738	0.002049	0.004	No	15	0.002333	0.0006576	6.667	None	x^2	0.01	Param.
Beryllium (mg/L)	DGWC-47	0.01281	0.009018	0.004	Yes	15	0.01091	0.002797	0	None	No	0.01	Param.

Federal Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Beryllium (mg/L)	DGWC-48	0.009234	0.007526	0.004	Yes	15	0.00838	0.00126	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-5	0.008688	0.006197	0.004	Yes	14	0.007443	0.001758	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-8	0.003201	0.001685	0.004	No	14	0.002443	0.00107	7.143	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-9	0.005896	0.004931	0.004	Yes	15	0.005413	0.000712	0	None	No	0.01	Param.
Cadmium (mg/L)	B-100	0.00059	0.00027	0.005	No	4	0.000355	0.000157	0	None	No	0.0625	NP (normality)
Cadmium (mg/L)	B-102D	0.0009243	0.0006021	0.005	No	4	0.0007775	0.00007274	0	None	x^2	0.01	Param.
Cadmium (mg/L)	B-56	0.0003178	0.0002172	0.005	No	4	0.0002675	0.00002217	0	None	No	0.01	Param.
Cadmium (mg/L)	B-63	0.0003199	0.00007013	0.005	No	4	0.0003475	0.0001817	50	Kaplan-Meier	No	0.01	Param.
Cadmium (mg/L)	B-82	0.0007939	0.0002981	0.005	No	5	0.000546	0.0001479	0	None	No	0.01	Param.
Cadmium (mg/L)	B-83	0.0004307	0.0002333	0.005	No	5	0.000332	0.00005891	0	None	No	0.01	Param.
Cadmium (mg/L)	B-88	0.008758	-0.003848	0.005	No	4	0.002455	0.002776	0	None	No	0.01	Param.
Cadmium (mg/L)	B-93	0.0009316	0.0006384	0.005	No	4	0.000785	0.00006455	0	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-10	0.001207	0.0008102	0.005	No	14	0.001009	0.0002801	0	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-11	0.0005	0.00016	0.005	No	14	0.0004221	0.0001549	78.57	None	No	0.01	NP (NDs)
Cadmium (mg/L)	DGWC-12	0.0003426	0.0002257	0.005	No	16	0.0003944	0.0001917	25	Kaplan-Meier	sqrt(x)	0.01	Param.
Cadmium (mg/L)	DGWC-13	0.0005	0.0002	0.005	No	14	0.0004486	0.0001328	85.71	Kaplan-Meier	No	0.01	NP (NDs)
Cadmium (mg/L)	DGWC-15	0.001	0.00012	0.005	No	15	0.0004287	0.0002377	73.33	Kaplan-Meier	No	0.01	NP (NDs)
Cadmium (mg/L)	DGWC-17	0.00033	0.00023	0.005	No	15	0.0002987	0.00009062	13.33	None	No	0.01	NP (normality)
Cadmium (mg/L)	DGWC-19	0.0005	0.00034	0.005	No	15	0.0004207	0.0001665	13.33	None	No	0.01	NP (normality)
Cadmium (mg/L)	DGWC-2	0.0002846	0.0001314	0.005	No	15	0.0003667	0.0002335	33.33	Kaplan-Meier	sqrt(x)	0.01	Param.
Cadmium (mg/L)	DGWC-20	0.002238	0.001722	0.005	No	15	0.00198	0.0003802	0	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-21	0.0007418	0.0004675	0.005	No	15	0.0006047	0.0002024	13.33	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-22	0.0007017	0.0004543	0.005	No	15	0.000578	0.0001826	13.33	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-23	0.0003	0.00019	0.005	No	15	0.0002967	0.0002115	13.33	None	No	0.01	NP (normality)
Cadmium (mg/L)	DGWC-4	0.0008282	0.0006103	0.005	No	14	0.0007193	0.0001538	14.29	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-42	0.001109	0.0004679	0.005	No	15	0.0008233	0.0005572	13.33	None	sqrt(x)	0.01	Param.
Cadmium (mg/L)	DGWC-47	0.002181	0.001246	0.005	No	15	0.001713	0.0006896	0	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-48	0.0042	0.0025	0.005	No	15	0.003527	0.001682	0	None	No	0.01	NP (normality)
Cadmium (mg/L)	DGWC-5	0.0008175	0.0004382	0.005	No	14	0.0006279	0.0002677	14.29	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-8	0.002516	0.00197	0.005	No	14	0.002243	0.0003857	0	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-9	0.0006732	0.0005032	0.005	No	15	0.0005927	0.0001373	13.33	None	x^(1/3)	0.01	Param.
Chromium (mg/L)	B-100	0.001223	0.0003828	0.1	No	4	0.002877	0.002456	50	Kaplan-Meier	sqrt(x)	0.01	Param.
Chromium (mg/L)	B-104D	0.005	0.0011	0.1	No	4	0.004025	0.00195	75	Kaplan-Meier	No	0.0625	NP (NDs)
Chromium (mg/L)	B-56	0.001914	0.00007551	0.1	No	4	0.002997	0.002336	50	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	B-62	0.005	0.00098	0.1	No	7	0.004426	0.001519	85.71	Kaplan-Meier	No	0.008	NP (NDs)
Chromium (mg/L)	B-63	0.005	0.00064	0.1	No	4	0.00391	0.00218	75	Kaplan-Meier	No	0.0625	NP (NDs)
Chromium (mg/L)	B-77	0.001858	0.0005328	0.1	No	6	0.00241	0.002072	33.33	Kaplan-Meier	ln(x)	0.01	Param.
Chromium (mg/L)	B-82	0.005	0.0011	0.1	No	5	0.00422	0.001744	80	Kaplan-Meier	No	0.031	NP (NDs)
Chromium (mg/L)	B-83	0.0051	0.0017	0.1	No	5	0.00394	0.001524	0	None	No	0.031	NP (selected)
Chromium (mg/L)	B-88	0.002116	0.0005176	0.1	No	4	0.002237	0.001875	25	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	B-93	0.005	0.00057	0.1	No	4	0.002807	0.002532	50	None	No	0.0625	NP (normality)
Chromium (mg/L)	DGWC-10	0.005	0.00078	0.1	No	14	0.002321	0.002074	35.71	None	No	0.01	NP (normality)
Chromium (mg/L)	DGWC-11	0.005	0.0006	0.1	No	14	0.003742	0.002064	71.43	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-12	0.005	0.00099	0.1	No	16	0.004496	0.001378	87.5	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-13	0.005	0.00074	0.1	No	14	0.003778	0.002006	71.43	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-15	0.01	0.00058	0.1	No	15	0.004423	0.002397	73.33	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-17	0.0035	0.0024	0.1	No	15	0.003047	0.0008651	13.33	None	No	0.01	NP (normality)
Chromium (mg/L)	DGWC-19	0.005	0.0023	0.1	No	15	0.00342	0.002022	20	None	No	0.01	NP (normality)
Chromium (mg/L)	DGWC-2	0.005	0.0005	0.1	No	15	0.003211	0.002268	60	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-20	0.002136	0.001443	0.1	No	15	0.003467	0.002385	40	Kaplan-Meier	ln(x)	0.01	Param.
Chromium (mg/L)	DGWC-21	0.005	0.0005	0.1	No	15	0.00333	0.002148	60	Kaplan-Meier	No	0.01	NP (NDs)

Federal Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	DGWC-22	0.005	0.0012	0.1	No	15	0.004747	0.0009812	93.33	Kaplan-Meier	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-23	0.005	0.0005	0.1	No	15	0.002187	0.002075	33.33	None	No	0.01	NP (normality)
Chromium (mg/L)	DGWC-4	0.005	0.0005	0.1	No	14	0.004679	0.001203	92.86	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-42	0.005	0.0005	0.1	No	15	0.003082	0.002157	53.33	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-47	0.005	0.0007	0.1	No	15	0.004713	0.00111	93.33	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-48	0.005	0.0007	0.1	No	15	0.004407	0.001567	86.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-5	0.005	0.00045	0.1	No	14	0.004675	0.001216	92.86	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-8	0.005	0.00086	0.1	No	14	0.003391	0.002002	57.14	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-9	0.0057	0.00059	0.1	No	15	0.003593	0.002173	60	None	No	0.01	NP (NDs)
Cobalt (mg/L)	B-100	0.087	0.029	0.032	No	6	0.058	0.02804	0	None	No	0.0155	NP (selected)
Cobalt (mg/L)	B-102D	0.01585	0.01215	0.032	No	4	0.014	0.0008165	0	None	No	0.01	Param.
Cobalt (mg/L)	B-104D	0.2361	-0.01451	0.032	No	4	0.1625	0.04272	0	None	x^2	0.01	Param.
Cobalt (mg/L)	B-111D	0.0009228	0.0004439	0.032	No	4	0.00112	0.0009256	25	Kaplan-Meier	x^(1/3)	0.01	Param.
Cobalt (mg/L)	B-56	0.05421	0.03629	0.032	Yes	4	0.04525	0.003948	0	None	No	0.01	Param.
Cobalt (mg/L)	B-62	0.0025	0.0003	0.032	No	7	0.001873	0.001071	71.43	None	No	0.008	NP (NDs)
Cobalt (mg/L)	B-63	0.0547	0.0353	0.032	Yes	5	0.045	0.005788	0	None	No	0.01	Param.
Cobalt (mg/L)	B-66	0.01241	0.003754	0.032	No	5	0.00758	0.003665	20	Kaplan-Meier	No	0.01	Param.
Cobalt (mg/L)	B-77	0.0031	0.0004	0.032	No	6	0.001817	0.0009725	16.67	None	No	0.0155	NP (selected)
Cobalt (mg/L)	B-82	0.007804	0.0003291	0.032	No	6	0.004067	0.002721	0	None	No	0.01	Param.
Cobalt (mg/L)	B-83	0.021	0.0073	0.032	No	5	0.01344	0.005791	0	None	No	0.031	NP (selected)
Cobalt (mg/L)	B-88	0.022	0.0015	0.032	No	5	0.00928	0.009906	0	None	No	0.031	NP (selected)
Cobalt (mg/L)	B-93	0.069	0.0594	0.032	Yes	5	0.0642	0.002864	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-10	0.1888	0.1413	0.032	Yes	14	0.1537	0.04866	0	None	x^4	0.01	Param.
Cobalt (mg/L)	DGWC-11	0.0025	0.0006	0.032	No	14	0.001481	0.0009221	42.86	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-12	0.013	0.0021	0.032	No	16	0.008125	0.009711	12.5	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-13	0.0025	0.0005	0.032	No	14	0.002056	0.0008832	78.57	None	No	0.01	NP (NDs)
Cobalt (mg/L)	DGWC-15	0.0028	0.0016	0.032	No	15	0.003653	0.005947	6.667	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-17	0.02716	0.02022	0.032	No	15	0.02313	0.00641	6.667	None	x^2	0.01	Param.
Cobalt (mg/L)	DGWC-19	0.05331	0.04925	0.032	Yes	15	0.05128	0.002996	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-2	0.0284	0.0062	0.032	No	15	0.01761	0.01155	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-20	0.6394	0.4659	0.032	Yes	15	0.5575	0.1355	0	None	x^(1/3)	0.01	Param.
Cobalt (mg/L)	DGWC-21	0.009773	0.008552	0.032	No	15	0.00862	0.002141	13.33	None	x^6	0.01	Param.
Cobalt (mg/L)	DGWC-22	0.009945	0.007492	0.032	No	15	0.008533	0.002244	13.33	None	x^2	0.01	Param.
Cobalt (mg/L)	DGWC-23	0.005	0.00039	0.032	No	15	0.00183	0.001357	60	None	No	0.01	NP (NDs)
Cobalt (mg/L)	DGWC-4	0.0021	0.0015	0.032	No	14	0.002021	0.000904	14.29	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-42	0.04451	0.01723	0.032	No	15	0.03087	0.02013	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-47	0.3858	0.253	0.032	Yes	15	0.3194	0.09792	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-48	0.5073	0.402	0.032	Yes	15	0.4547	0.07771	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-5	0.04	0.02	0.032	No	14	0.02794	0.01109	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-8	0.0878	0.04412	0.032	Yes	14	0.06596	0.03083	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-9	0.201	0.1437	0.032	Yes	15	0.1724	0.04231	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-100	1.4	0.168	5.61	No	4	0.7853	0.5031	0	None	No	0.0625	NP (selected)
Combined Radium 226 + 228 (pCi/L)	B-102D	1.74	0.635	5.61	No	4	1.096	0.4956	0	None	No	0.0625	NP (selected)
Combined Radium 226 + 228 (pCi/L)	B-104D	21.26	6.892	5.61	Yes	4	14.08	3.164	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-111D	16.31	1.377	5.61	No	4	8.843	3.288	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-56	1.617	0.5846	5.61	No	4	1.101	0.2275	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-62	2.02	1.173	5.61	No	6	1.597	0.3082	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-77	2.17	0.617	5.61	No	5	1.516	0.7658	0	None	No	0.031	NP (selected)
Combined Radium 226 + 228 (pCi/L)	B-82	1.18	0.3541	5.61	No	4	0.7673	0.182	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-83	1.15	0.0359	5.61	No	5	0.674	0.4409	0	None	No	0.031	NP (selected)
Combined Radium 226 + 228 (pCi/L)	B-88	2.84	0.771	5.61	No	4	1.752	1.056	0	None	No	0.0625	NP (selected)

Federal Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:54 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-93	2.371	0.3074	5.61	No 4	1.339	0.4544	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-10	1.497	1.071	5.61	No 15	1.284	0.314	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-11	1.272	0.6667	5.61	No 15	0.9694	0.4467	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-12	1.27	0.4013	5.61	No 15	0.8984	0.714	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-13	1.484	1.036	5.61	No 15	1.26	0.3303	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-14	1.103	0.6919	5.61	No 15	0.8972	0.303	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-15	1.553	0.551	5.61	No 15	1.118	0.8748	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-17	1.05	0.5723	5.61	No 15	0.8113	0.3526	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-19	1.04	0.5062	5.61	No 15	0.7733	0.3942	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-2	1.444	0.8924	5.61	No 15	1.168	0.4067	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-20	1.543	0.8767	5.61	No 15	1.21	0.4913	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-21	1.125	0.5866	5.61	No 15	0.8557	0.3972	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-22	1.364	0.733	5.61	No 15	1.049	0.4659	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-23	1.489	0.7765	5.61	No 15	1.133	0.5259	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-4	1.721	1.187	5.61	No 15	1.454	0.3939	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-42	1.169	0.7309	5.61	No 15	0.9499	0.3231	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-47	2.903	1.785	5.61	No 15	2.344	0.8249	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-48	2.415	1.602	5.61	No 15	2.03	0.6435	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-5	1.839	1.024	5.61	No 15	1.431	0.6015	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-8	0.841	0.4794	5.61	No 15	0.6602	0.2668	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-9	1.439	0.9531	5.61	No 15	1.196	0.3583	0	None	No	0.01	Param.
Fluoride, total (mg/L)	B-102D	0.11	0.077	4	No 4	0.08725	0.01537	0	None	No	0.0625	NP (normality)
Fluoride, total (mg/L)	B-104D	0.5774	0.2326	4	No 4	0.405	0.07594	0	None	No	0.01	Param.
Fluoride, total (mg/L)	B-111D	0.7199	0.1451	4	No 4	0.4325	0.1266	0	None	No	0.01	Param.
Fluoride, total (mg/L)	B-56	0.34	0.098	4	No 4	0.207	0.09985	0	None	No	0.0625	NP (selected)
Fluoride, total (mg/L)	B-62	0.3546	0.06003	4	No 6	0.1855	0.1295	0	None	x^(1/3)	0.01	Param.
Fluoride, total (mg/L)	B-77	0.1	0.078	4	No 5	0.0948	0.00955	60	None	No	0.031	NP (NDs)
Fluoride, total (mg/L)	B-82	0.2	0.052	4	No 4	0.113	0.06226	50	None	No	0.0625	NP (selected)
Fluoride, total (mg/L)	B-83	0.1232	0.02857	4	No 5	0.0834	0.0317	20	Kaplan-Meier	No	0.01	Param.
Fluoride, total (mg/L)	B-93	0.3685	0.2815	4	No 4	0.325	0.01915	0	None	No	0.01	Param.
Fluoride, total (mg/L)	DGWC-10	1.862	1.347	4	No 16	1.604	0.3955	0	None	No	0.01	Param.
Fluoride, total (mg/L)	DGWC-11	0.1	0.052	4	No 15	0.0804	0.0261	60	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-12	0.1641	0.05529	4	No 16	0.1588	0.1448	37.5	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride, total (mg/L)	DGWC-13	0.2134	0.08589	4	No 15	0.157	0.1093	6.667	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	DGWC-14	0.1	0.052	4	No 16	0.08588	0.02643	68.75	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-15	0.11	0.079	4	No 16	0.1054	0.04361	62.5	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-17	0.2722	0.09774	4	No 16	0.2039	0.1552	12.5	None	x^(1/3)	0.01	Param.
Fluoride, total (mg/L)	DGWC-19	0.5135	0.1749	4	No 16	0.3713	0.313	6.25	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	DGWC-2	0.28	0.052	4	No 16	0.1429	0.1586	37.5	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	DGWC-20	0.9494	0.4006	4	No 16	0.675	0.4218	6.25	None	No	0.01	Param.
Fluoride, total (mg/L)	DGWC-21	0.14	0.07	4	No 16	0.107	0.06664	62.5	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-22	0.13	0.09	4	No 16	0.1185	0.06532	50	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	DGWC-23	0.2262	0.09243	4	No 16	0.1852	0.1558	6.25	None	ln(x)	0.01	Param.
Fluoride, total (mg/L)	DGWC-4	0.17	0.082	4	No 16	0.1364	0.1776	68.75	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-42	0.1	0.06	4	No 16	0.0925	0.02176	87.5	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-47	1.146	0.5167	4	No 16	0.8313	0.4835	0	None	No	0.01	Param.
Fluoride, total (mg/L)	DGWC-48	1.19	0.6114	4	No 16	0.9006	0.4445	0	None	No	0.01	Param.
Fluoride, total (mg/L)	DGWC-5	0.7808	0.2378	4	No 15	0.5667	0.4567	6.667	None	x^(1/3)	0.01	Param.
Fluoride, total (mg/L)	DGWC-8	0.4095	0.1193	4	No 15	0.2868	0.2338	13.33	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	DGWC-9	1.391	0.9657	4	No 16	1.178	0.3265	0	None	No	0.01	Param.
Lead (mg/L)	B-100	0.0003036	0.00005528	0.015	No 4	0.0003695	0.0004235	25	Kaplan-Meier	sqrt(x)	0.01	Param.

Federal Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lead (mg/L)	B-102D	0.001	0.000037	0.015	No	4	0.0002865	0.0004758	25	None	No	0.0625	NP (normality)
Lead (mg/L)	B-104D	0.001	0.000051	0.015	No	4	0.0007628	0.0004745	75	None	No	0.0625	NP (NDs)
Lead (mg/L)	B-111D	0.001	0.000051	0.015	No	4	0.0005273	0.0005459	50	None	No	0.0625	NP (normality)
Lead (mg/L)	B-56	0.0002854	0.00003627	0.015	No	4	0.0003528	0.0004355	25	Kaplan-Meier	sqrt(x)	0.01	Param.
Lead (mg/L)	B-63	0.001	0.000047	0.015	No	4	0.00053	0.0005428	50	None	No	0.0625	NP (normality)
Lead (mg/L)	B-77	0.0016	0.00021	0.015	No	6	0.0007367	0.000554	33.33	None	No	0.0155	NP (selected)
Lead (mg/L)	B-82	0.0001911	0.00004858	0.015	No	5	0.0004658	0.000489	40	Kaplan-Meier	x^(1/3)	0.01	Param.
Lead (mg/L)	B-83	0.001	0.000065	0.015	No	5	0.000455	0.0004634	20	None	No	0.031	NP (selected)
Lead (mg/L)	B-88	0.02767	0.00004865	0.015	No	4	0.00354	0.005647	25	Kaplan-Meier	ln(x)	0.01	Param.
Lead (mg/L)	B-93	0.001	0.00012	0.015	No	4	0.00056	0.0005081	50	None	No	0.0625	NP (normality)
Lead (mg/L)	DGWC-10	0.001	0.00011	0.015	No	14	0.0006273	0.0004481	57.14	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-11	0.001	0.0001	0.015	No	14	0.0006785	0.0004481	64.29	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-12	0.001	0.00011	0.015	No	16	0.0008881	0.0003057	87.5	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-13	0.001	0.0002	0.015	No	14	0.0008784	0.0003097	85.71	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-14	0.001	0.000096	0.015	No	15	0.0008149	0.0003834	80	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-15	0.0012	0.0001	0.015	No	15	0.0007161	0.0004487	60	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-17	0.001	0.00009	0.015	No	15	0.0005862	0.0004585	53.33	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-19	0.001	0.00007	0.015	No	15	0.0007059	0.0004334	66.67	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-2	0.001	0.000086	0.015	No	15	0.0005156	0.0004693	46.67	None	No	0.01	NP (normality)
Lead (mg/L)	DGWC-20	0.001	0.00015	0.015	No	15	0.0007311	0.0003691	60	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-21	0.001	0.00014	0.015	No	15	0.0006177	0.0004296	53.33	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-23	0.001	0.000066	0.015	No	15	0.0009377	0.0002412	93.33	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-4	0.001	0.00012	0.015	No	14	0.0007478	0.0004149	71.43	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-42	0.0004678	0.0001549	0.015	No	15	0.0008147	0.001228	20	Kaplan-Meier	ln(x)	0.01	Param.
Lead (mg/L)	DGWC-47	0.0011	0.00053	0.015	No	15	0.001081	0.001106	26.67	None	No	0.01	NP (normality)
Lead (mg/L)	DGWC-48	0.0022	0.00095	0.015	No	15	0.001664	0.001169	13.33	None	No	0.01	NP (normality)
Lead (mg/L)	DGWC-5	0.001	0.000051	0.015	No	14	0.0005984	0.0006777	35.71	None	No	0.01	NP (normality)
Lead (mg/L)	DGWC-8	0.001	0.00011	0.015	No	14	0.0006273	0.0004132	50	None	No	0.01	NP (normality)
Lead (mg/L)	DGWC-9	0.001	0.00028	0.015	No	15	0.00084	0.0003323	80	None	No	0.01	NP (NDs)
Lithium (mg/L)	B-100	0.003519	0.0007815	0.04	No	4	0.00215	0.0006028	0	None	No	0.01	Param.
Lithium (mg/L)	B-102D	0.01666	0.009844	0.04	No	4	0.01325	0.0015	0	None	No	0.01	Param.
Lithium (mg/L)	B-104D	0.04121	0.03479	0.04	No	4	0.038	0.001414	0	None	No	0.01	Param.
Lithium (mg/L)	B-111D	0.029	0.021	0.04	No	4	0.02475	0.004349	0	None	No	0.0625	NP (selected)
Lithium (mg/L)	B-56	0.005968	0.004632	0.04	No	4	0.0053	0.0002944	0	None	No	0.01	Param.
Lithium (mg/L)	B-62	0.015	0.0078	0.04	No	7	0.0094	0.002532	14.29	None	No	0.008	NP (normality)
Lithium (mg/L)	B-63	0.015	0.0062	0.04	No	5	0.00812	0.003849	20	None	No	0.031	NP (normality)
Lithium (mg/L)	B-77	0.015	0.00095	0.04	No	6	0.004525	0.005339	16.67	None	No	0.0155	NP (selected)
Lithium (mg/L)	B-82	0.0039	0.001	0.04	No	5	0.00222	0.001422	0	None	No	0.031	NP (selected)
Lithium (mg/L)	B-83	0.004551	0.0009685	0.04	No	5	0.00276	0.001069	0	None	No	0.01	Param.
Lithium (mg/L)	B-88	0.029	0.0016	0.04	No	4	0.009575	0.01311	0	None	No	0.0625	NP (selected)
Lithium (mg/L)	B-93	0.012	0.011	0.04	No	4	0.01125	0.0005	0	None	No	0.0625	NP (normality)
Lithium (mg/L)	DGWC-10	0.006793	0.002702	0.04	No	14	0.005343	0.004279	14.29	None	ln(x)	0.01	Param.
Lithium (mg/L)	DGWC-11	0.0028	0.0019	0.04	No	14	0.003186	0.003418	7.143	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-12	0.015	0.0011	0.04	No	16	0.01064	0.006685	68.75	None	No	0.01	NP (NDs)
Lithium (mg/L)	DGWC-13	0.0036	0.0029	0.04	No	14	0.004879	0.004297	14.29	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-14	0.0044	0.0032	0.04	No	15	0.00472	0.003078	6.667	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-15	0.0066	0.0058	0.04	No	14	0.00625	0.0008465	0	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-17	0.015	0.00096	0.04	No	15	0.009434	0.007057	60	None	No	0.01	NP (NDs)
Lithium (mg/L)	DGWC-19	0.0035	0.003	0.04	No	15	0.003993	0.003053	6.667	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-2	0.085	0.023	0.04	No	15	0.04906	0.03031	6.667	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-20	0.012	0.0021	0.04	No	15	0.006407	0.005611	6.667	None	No	0.01	NP (normality)

Federal Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lithium (mg/L)	DGWC-21	0.0065	0.0057	0.04	No	15	0.00656	0.00236	6.667	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-22	0.0046	0.0037	0.04	No	15	0.00484	0.002836	6.667	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-23	0.01279	0.003816	0.04	No	15	0.01165	0.01832	6.667	None	ln(x)	0.01	Param.
Lithium (mg/L)	DGWC-4	0.0035	0.0025	0.04	No	14	0.003786	0.003256	7.143	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-42	0.01268	0.01007	0.04	No	15	0.01137	0.001928	6.667	None	No	0.01	Param.
Lithium (mg/L)	DGWC-47	0.07457	0.05787	0.04	Yes	15	0.06622	0.01232	0	None	No	0.01	Param.
Lithium (mg/L)	DGWC-48	0.1269	0.106	0.04	Yes	15	0.1165	0.01544	0	None	No	0.01	Param.
Lithium (mg/L)	DGWC-5	0.008199	0.004206	0.04	No	14	0.006343	0.003062	7.143	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	DGWC-8	0.0072	0.0045	0.04	No	14	0.006036	0.002823	7.143	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-9	0.02931	0.02328	0.04	No	15	0.02629	0.004445	6.667	None	No	0.01	Param.
Mercury (mg/L)	B-104D	0.0002	0.000079	0.002	No	4	0.0001697	0.0000605	75	None	No	0.0625	NP (NDs)
Mercury (mg/L)	B-111D	0.0002	0.000094	0.002	No	4	0.0001735	0.000053	75	None	No	0.0625	NP (NDs)
Mercury (mg/L)	B-56	0.0002	0.00016	0.002	No	4	0.00019	0.00002	75	None	No	0.0625	NP (NDs)
Mercury (mg/L)	B-82	0.0002	0.00011	0.002	No	5	0.000182	0.00004025	80	None	No	0.031	NP (NDs)
Mercury (mg/L)	B-88	0.0002	0.0001	0.002	No	4	0.0001525	0.000055	50	None	No	0.0625	NP (normality)
Mercury (mg/L)	B-93	0.00036	0.00001396	0.002	No	4	0.000187	0.00007622	0	None	No	0.01	Param.
Mercury (mg/L)	DGWC-10	0.0002	0.000081	0.002	No	14	0.0001658	0.00005628	71.43	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-11	0.0002	0.00008	0.002	No	14	0.0001707	0.0000585	78.57	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-12	0.0002	0.00008	0.002	No	16	0.0001541	0.00006456	62.5	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-13	0.0002	0.00009	0.002	No	14	0.0001829	0.00004375	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-14	0.0002	0.00008	0.002	No	15	0.0001727	0.00005688	80	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-15	0.0002	0.00006	0.002	No	15	0.0001907	0.00003615	93.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-17	0.0002	0.00006	0.002	No	15	0.0001404	0.00006361	46.67	None	No	0.01	NP (normality)
Mercury (mg/L)	DGWC-19	0.0002	0.00009	0.002	No	15	0.000172	0.00005882	80	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-2	0.00064	0.000083	0.002	No	15	0.0002049	0.0001304	73.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-20	0.0002	0.00009	0.002	No	15	0.0001767	0.00004835	80	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-21	0.0002	0.00006	0.002	No	15	0.000158	0.00006327	66.67	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-22	0.0002	0.0001	0.002	No	15	0.0001677	0.00005729	73.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-23	0.0002053	0.0001241	0.002	No	15	0.0001853	0.0000573	26.67	Kaplan-Meier	No	0.01	Param.
Mercury (mg/L)	DGWC-4	0.00059	0.00013	0.002	No	14	0.0002059	0.0001192	71.43	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-42	0.0002	0.00004	0.002	No	15	0.0001893	0.00004131	93.33	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-48	0.0002	0.00006	0.002	No	15	0.0001907	0.00003615	93.33	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-5	0.0002402	0.0001202	0.002	No	14	0.0001924	0.0001175	14.29	None	ln(x)	0.01	Param.
Mercury (mg/L)	DGWC-8	0.0002	0.000079	0.002	No	14	0.0001494	0.00006312	57.14	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-9	0.00021	0.00013	0.002	No	15	0.0001881	0.00008736	46.67	None	No	0.01	NP (normality)
Molybdenum (mg/L)	B-104D	0.01	0.0012	0.1	No	4	0.0078	0.0044	75	None	No	0.0625	NP (NDs)
Molybdenum (mg/L)	B-111D	0.01817	0.002799	0.1	No	4	0.00765	0.003615	0	None	ln(x)	0.01	Param.
Molybdenum (mg/L)	B-66	0.01	0.0015	0.1	No	4	0.005825	0.004822	50	None	No	0.0625	NP (normality)
Molybdenum (mg/L)	B-88	0.01	0.0012	0.1	No	4	0.0056	0.005081	50	None	No	0.0625	NP (normality)
Molybdenum (mg/L)	DGWC-13	0.0262	0.01302	0.1	No	14	0.01961	0.009301	0	None	No	0.01	Param.
Molybdenum (mg/L)	DGWC-2	0.01	0.0018	0.1	No	15	0.005093	0.004167	40	None	No	0.01	NP (normality)
Molybdenum (mg/L)	DGWC-23	0.01117	0.00682	0.1	No	15	0.008993	0.003208	0	None	No	0.01	Param.
Molybdenum (mg/L)	DGWC-4	0.007258	0.004757	0.1	No	14	0.006007	0.001765	7.143	None	No	0.01	Param.
Selenium (mg/L)	B-100	0.005	0.0019	0.05	No	4	0.004225	0.00155	75	None	No	0.0625	NP (NDs)
Selenium (mg/L)	B-104D	0.004053	0.0006472	0.05	No	4	0.003675	0.001648	50	Kaplan-Meier	No	0.01	Param.
Selenium (mg/L)	B-111D	0.005	0.0022	0.05	No	4	0.0043	0.0014	75	None	No	0.0625	NP (NDs)
Selenium (mg/L)	B-56	0.029	0.011	0.05	No	4	0.016	0.008718	0	None	No	0.0625	NP (normality)
Selenium (mg/L)	B-77	0.005	0.0017	0.05	No	6	0.00445	0.001347	83.33	None	No	0.0155	NP (NDs)
Selenium (mg/L)	B-82	0.005	0.0016	0.05	No	5	0.00374	0.001734	60	None	No	0.031	NP (NDs)
Selenium (mg/L)	B-83	0.02981	0.006668	0.05	No	5	0.01824	0.006906	0	None	No	0.01	Param.
Selenium (mg/L)	B-88	0.004472	0.0007278	0.05	No	4	0.0026	0.0008246	0	None	No	0.01	Param.

Federal Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Selenium (mg/L)	B-93	0.036	0.0076	0.05	No	4	0.01788	0.01288	0	None	No	0.0625	NP (selected)
Selenium (mg/L)	DGWC-10	0.05289	0.02215	0.05	No	14	0.03752	0.0217	0	None	No	0.01	Param.
Selenium (mg/L)	DGWC-12	0.005	0.0017	0.05	No	16	0.003931	0.002266	56.25	None	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-13	0.004442	0.0019	0.05	No	14	0.004307	0.00244	21.43	Kaplan-Meier	No	0.01	Param.
Selenium (mg/L)	DGWC-14	0.01	0.0017	0.05	No	15	0.004227	0.002257	66.67	Kaplan-Meier	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-15	0.01	0.0018	0.05	No	15	0.00512	0.001582	93.33	Kaplan-Meier	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-17	0.009189	0.006423	0.05	No	15	0.007953	0.002359	13.33	None	ln(x)	0.01	Param.
Selenium (mg/L)	DGWC-19	0.008946	0.005774	0.05	No	15	0.00736	0.00234	13.33	None	No	0.01	Param.
Selenium (mg/L)	DGWC-2	0.0053	0.0045	0.05	No	15	0.005193	0.001557	46.67	None	No	0.01	NP (normality)
Selenium (mg/L)	DGWC-20	0.06742	0.0338	0.05	No	15	0.05061	0.02481	0	None	No	0.01	Param.
Selenium (mg/L)	DGWC-22	0.005	0.0017	0.05	No	15	0.00478	0.0008521	93.33	None	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-4	0.005	0.0014	0.05	No	14	0.004743	0.0009621	92.86	None	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-47	0.01301	0.005259	0.05	No	15	0.009133	0.005718	13.33	None	No	0.01	Param.
Selenium (mg/L)	DGWC-48	0.008046	0.003594	0.05	No	15	0.00582	0.003285	13.33	None	No	0.01	Param.
Selenium (mg/L)	DGWC-5	0.0457	0.00964	0.05	No	14	0.03263	0.04214	7.143	None	x^(1/3)	0.01	Param.
Selenium (mg/L)	DGWC-8	0.00408	0.002153	0.05	No	14	0.004586	0.002144	50	Kaplan-Meier	sqrt(x)	0.01	Param.
Selenium (mg/L)	DGWC-9	0.1308	0.05207	0.05	Yes	15	0.09144	0.0581	0	None	No	0.01	Param.
Thallium (mg/L)	B-56	0.0003212	0.0001238	0.002	No	4	0.0002225	0.00004349	0	None	No	0.01	Param.
Thallium (mg/L)	B-82	0.001	0.000099	0.002	No	5	0.0006418	0.0004905	60	None	No	0.031	NP (NDs)
Thallium (mg/L)	B-83	0.001	0.000072	0.002	No	5	0.0008144	0.000415	80	None	No	0.031	NP (NDs)
Thallium (mg/L)	B-88	0.001	0.0002	0.002	No	4	0.0008	0.0004	75	None	No	0.0625	NP (NDs)
Thallium (mg/L)	DGWC-10	0.0006	0.00036	0.002	No	14	0.0004907	0.0002285	14.29	None	No	0.01	NP (normality)
Thallium (mg/L)	DGWC-12	0.001	0.00009	0.002	No	16	0.0006042	0.0004636	56.25	None	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-17	0.001	0.00017	0.002	No	15	0.000398	0.0003761	26.67	None	No	0.01	NP (normality)
Thallium (mg/L)	DGWC-19	0.00059	0.00049	0.002	No	15	0.000544	0.0001384	6.667	None	No	0.01	NP (normality)
Thallium (mg/L)	DGWC-20	0.000988	0.0005219	0.002	No	15	0.000942	0.0004995	26.67	Kaplan-Meier	ln(x)	0.01	Param.
Thallium (mg/L)	DGWC-22	0.001	0.000064	0.002	No	15	0.0006889	0.0004554	66.67	Kaplan-Meier	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-4	0.001	0.000073	0.002	No	14	0.0009338	0.0002478	92.86	None	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-42	0.001	0.00009	0.002	No	15	0.0007559	0.000419	73.33	None	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-47	0.00036	0.0002	0.002	No	15	0.0003513	0.0002684	13.33	None	No	0.01	NP (normality)
Thallium (mg/L)	DGWC-48	0.001	0.00008	0.002	No	15	0.0006937	0.0004484	66.67	None	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-5	0.001	0.0002	0.002	No	14	0.00081	0.0003787	78.57	None	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-8	0.001	0.00019	0.002	No	14	0.0003886	0.0003356	21.43	None	No	0.01	NP (normality)
Thallium (mg/L)	DGWC-9	0.001	0.00043	0.002	No	15	0.0007027	0.0002443	33.33	None	No	0.01	NP (normality)

State Confidence Intervals - Significant Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	DGWC-9	0.03003	0.0172	0.01	Yes	15	0.02361	0.009468	6.667	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-10	0.009208	0.005678	0.004	Yes	14	0.007443	0.002492	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-47	0.01281	0.009018	0.004	Yes	15	0.01091	0.002797	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-48	0.009234	0.007526	0.004	Yes	15	0.00838	0.00126	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-5	0.008688	0.006197	0.004	Yes	14	0.007443	0.001758	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-9	0.005896	0.004931	0.004	Yes	15	0.005413	0.000712	0	None	No	0.01	Param.
Beryllium (mg/L)	B-93	0.01805	0.006467	0.004	Yes	5	0.01378	0.003942	0	None	x^3	0.01	Param.
Cobalt (mg/L)	DGWC-10	0.1888	0.1413	0.032	Yes	14	0.1537	0.04866	0	None	x^4	0.01	Param.
Cobalt (mg/L)	DGWC-19	0.05331	0.04925	0.032	Yes	15	0.05128	0.002996	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-20	0.6394	0.4659	0.032	Yes	15	0.5575	0.1355	0	None	x^(1/3)	0.01	Param.
Cobalt (mg/L)	DGWC-47	0.3858	0.253	0.032	Yes	15	0.3194	0.09792	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-48	0.5073	0.402	0.032	Yes	15	0.4547	0.07771	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-8	0.0878	0.04412	0.032	Yes	14	0.06596	0.03083	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-9	0.201	0.1437	0.032	Yes	15	0.1724	0.04231	0	None	No	0.01	Param.
Cobalt (mg/L)	B-56	0.05421	0.03629	0.032	Yes	4	0.04525	0.003948	0	None	No	0.01	Param.
Cobalt (mg/L)	B-63	0.0547	0.0353	0.032	Yes	5	0.045	0.005788	0	None	No	0.01	Param.
Cobalt (mg/L)	B-93	0.069	0.0594	0.032	Yes	5	0.0642	0.002864	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-104D	21.26	6.892	5.61	Yes	4	14.08	3.164	0	None	No	0.01	Param.
Lithium (mg/L)	DGWC-47	0.07457	0.05787	0.03	Yes	15	0.06622	0.01232	0	None	No	0.01	Param.
Lithium (mg/L)	DGWC-48	0.1269	0.106	0.03	Yes	15	0.1165	0.01544	0	None	No	0.01	Param.
Lithium (mg/L)	B-104D	0.04121	0.03479	0.03	Yes	4	0.038	0.001414	0	None	No	0.01	Param.
Selenium (mg/L)	DGWC-9	0.1308	0.05207	0.05	Yes	15	0.09144	0.0581	0	None	No	0.01	Param.

State Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	B-100	0.001954	0.001046	0.006	No	4	0.00225	0.0008813	50	Kaplan-Meier	No	0.01	Param.
Antimony (mg/L)	B-102D	0.003	0.0016	0.006	No	4	0.00265	0.0007	75	Kaplan-Meier	No	0.0625	NP (NDs)
Antimony (mg/L)	B-104D	0.001068	0.0003847	0.006	No	4	0.00126	0.001169	25	Kaplan-Meier	x^(1/3)	0.01	Param.
Antimony (mg/L)	B-111D	0.003	0.0006	0.006	No	4	0.0024	0.0012	75	Kaplan-Meier	No	0.0625	NP (NDs)
Antimony (mg/L)	B-62	0.003	0.00046	0.006	No	7	0.002637	0.00096	85.71	Kaplan-Meier	No	0.008	NP (NDs)
Antimony (mg/L)	B-63	0.003	0.00066	0.006	No	4	0.002415	0.00117	75	None	No	0.0625	NP (NDs)
Antimony (mg/L)	B-77	0.003	0.00036	0.006	No	6	0.001737	0.001387	50	None	No	0.0155	NP (normality)
Antimony (mg/L)	B-93	0.003	0.0014	0.006	No	4	0.0026	0.0008	75	None	No	0.0625	NP (NDs)
Antimony (mg/L)	DGWC-12	0.003	0.0003	0.006	No	16	0.002831	0.000675	93.75	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-14	0.003	0.0011	0.006	No	15	0.002873	0.0004906	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-15	0.003	0.00073	0.006	No	15	0.002671	0.0008724	86.67	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-17	0.003	0.00045	0.006	No	15	0.00283	0.0006584	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-19	0.003	0.00036	0.006	No	15	0.002824	0.0006816	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-2	0.003	0.0006	0.006	No	15	0.00284	0.0006197	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-21	0.003	0.0013	0.006	No	15	0.002887	0.0004389	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-23	0.003	0.0007	0.006	No	15	0.002847	0.0005939	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-4	0.003	0.0008	0.006	No	14	0.002491	0.001014	78.57	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-47	0.003	0.0012	0.006	No	15	0.00288	0.0004648	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-48	0.003	0.0018	0.006	No	15	0.002746	0.0007213	86.67	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-5	0.003	0.0015	0.006	No	14	0.002701	0.0007935	85.71	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-8	0.003	0.00046	0.006	No	14	0.002819	0.0006788	92.86	None	No	0.01	NP (NDs)
Arsenic (mg/L)	B-104D	0.002881	0.001519	0.01	No	4	0.0036	0.001635	50	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	B-111D	0.003281	0.001919	0.01	No	4	0.0038	0.001407	50	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	B-56	0.0047	0.003	0.01	No	4	0.0035	0.0008042	0	None	No	0.0625	NP (normality)
Arsenic (mg/L)	B-77	0.002882	0.001869	0.01	No	6	0.003233	0.001409	33.33	Kaplan-Meier	ln(x)	0.01	Param.
Arsenic (mg/L)	B-93	0.003589	0.0004108	0.01	No	4	0.0035	0.001824	50	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	DGWC-10	0.00717	0.003601	0.01	No	14	0.005386	0.002519	7.143	None	No	0.01	Param.
Arsenic (mg/L)	DGWC-12	0.005	0.00063	0.01	No	16	0.004452	0.001498	87.5	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-14	0.005	0.00039	0.01	No	15	0.004693	0.00119	93.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-15	0.005	0.0013	0.01	No	15	0.004169	0.001726	80	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-17	0.005	0.0008	0.01	No	15	0.003395	0.002042	60	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-19	0.002035	0.0009847	0.01	No	15	0.002317	0.001551	20	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	DGWC-2	0.005	0.0025	0.01	No	15	0.004566	0.00118	86.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-20	0.01666	0.007499	0.01	No	15	0.01208	0.006761	0	None	No	0.01	Param.
Arsenic (mg/L)	DGWC-22	0.005	0.001	0.01	No	15	0.004733	0.001033	93.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-4	0.005	0.0008	0.01	No	14	0.004057	0.001875	78.57	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-42	0.005	0.0011	0.01	No	15	0.004453	0.001445	86.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-47	0.002647	0.001328	0.01	No	15	0.002627	0.001504	20	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	DGWC-48	0.005	0.0008	0.01	No	15	0.003206	0.002005	53.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-5	0.0118	0.002817	0.01	No	14	0.008443	0.009971	14.29	None	x^(1/3)	0.01	Param.
Arsenic (mg/L)	DGWC-8	0.005	0.0012	0.01	No	14	0.00369	0.001839	64.29	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-9	0.03003	0.0172	0.01	Yes	15	0.02361	0.009468	6.667	None	No	0.01	Param.
Barium (mg/L)	B-100	0.022	0.015	2	No	4	0.02	0.003367	0	None	No	0.0625	NP (selected)
Barium (mg/L)	B-102D	0.02571	0.01829	2	No	4	0.022	0.001633	0	None	No	0.01	Param.
Barium (mg/L)	B-104D	0.026	0.021	2	No	4	0.0225	0.00238	0	None	No	0.0625	NP (normality)
Barium (mg/L)	B-111D	0.05204	0.01546	2	No	4	0.03375	0.008057	0	None	No	0.01	Param.
Barium (mg/L)	B-56	0.03185	0.02315	2	No	4	0.0275	0.001915	0	None	No	0.01	Param.
Barium (mg/L)	B-62	0.02758	0.01985	2	No	7	0.02371	0.003251	0	None	No	0.01	Param.
Barium (mg/L)	B-63	0.03208	0.01592	2	No	4	0.024	0.003559	0	None	No	0.01	Param.
Barium (mg/L)	B-66	0.01942	0.01508	2	No	4	0.01725	0.0009574	0	None	No	0.01	Param.
Barium (mg/L)	B-77	0.1255	0.08983	2	No	6	0.1077	0.01299	0	None	No	0.01	Param.

State Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	B-82	0.03301	0.01899	2	No	5	0.026	0.004183	0	None	No	0.01	Param.
Barium (mg/L)	B-83	0.05537	0.02029	2	No	5	0.0358	0.01158	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	B-88	0.02418	-0.01405	2	No	4	0.02025	0.002872	0	None	x^5	0.01	Param.
Barium (mg/L)	B-93	0.01892	0.01458	2	No	4	0.01675	0.0009574	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-10	0.02962	0.02305	2	No	14	0.02634	0.004637	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-11	0.06644	0.05633	2	No	14	0.06139	0.007138	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-12	0.03199	0.02415	2	No	16	0.02824	0.006231	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	DGWC-13	0.03292	0.02732	2	No	14	0.02908	0.007369	7.143	None	x^3	0.01	Param.
Barium (mg/L)	DGWC-14	0.06261	0.05787	2	No	15	0.06024	0.003493	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-15	0.05073	0.0443	2	No	15	0.04751	0.004744	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-17	0.05635	0.04167	2	No	15	0.04901	0.01083	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-19	0.02541	0.02177	2	No	15	0.02359	0.002686	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-2	0.02268	0.02132	2	No	15	0.022	0.001	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-20	0.01537	0.009179	2	No	15	0.01227	0.004566	6.667	None	No	0.01	Param.
Barium (mg/L)	DGWC-21	0.0272	0.024	2	No	15	0.02596	0.001505	0	None	No	0.01	NP (normality)
Barium (mg/L)	DGWC-22	0.03773	0.03193	2	No	15	0.03483	0.004281	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-23	0.0236	0.01844	2	No	15	0.02113	0.004092	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	DGWC-4	0.03617	0.0322	2	No	14	0.03419	0.002802	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-42	0.0205	0.01622	2	No	15	0.01836	0.003153	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-47	0.01975	0.01597	2	No	15	0.01786	0.002794	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-48	0.01436	0.01298	2	No	15	0.01367	0.001016	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-5	0.01834	0.01649	2	No	13	0.01742	0.001247	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-8	0.03806	0.02666	2	No	14	0.03236	0.008048	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-9	0.01623	0.01484	2	No	15	0.01553	0.00103	0	None	No	0.01	Param.
Beryllium (mg/L)	B-100	0.0006113	0.0002587	0.004	No	4	0.000435	0.00007767	0	None	No	0.01	Param.
Beryllium (mg/L)	B-102D	0.001543	0.0009569	0.004	No	4	0.00125	0.0001291	0	None	No	0.01	Param.
Beryllium (mg/L)	B-104D	0.001785	0.0009153	0.004	No	4	0.00135	0.0001915	0	None	No	0.01	Param.
Beryllium (mg/L)	B-56	0.001385	0.001015	0.004	No	4	0.0012	0.00008165	0	None	No	0.01	Param.
Beryllium (mg/L)	B-62	0.0005	0.000078	0.004	No	8	0.0002085	0.000181	25	None	No	0.004	NP (normality)
Beryllium (mg/L)	B-63	0.0004803	0.0003037	0.004	No	6	0.00041	0.00007797	16.67	Kaplan-Meier	No	0.01	Param.
Beryllium (mg/L)	B-77	0.0001464	0.00004658	0.004	No	6	0.0002267	0.0002142	33.33	Kaplan-Meier	ln(x)	0.01	Param.
Beryllium (mg/L)	B-82	0.001807	0.001073	0.004	No	5	0.00144	0.0002191	0	None	No	0.01	Param.
Beryllium (mg/L)	B-83	0.0006999	0.0001718	0.004	No	5	0.000404	0.000173	0	None	sqrt(x)	0.01	Param.
Beryllium (mg/L)	B-88	0.005	0.00063	0.004	No	4	0.002008	0.00202	0	None	No	0.0625	NP (selected)
Beryllium (mg/L)	B-93	0.01805	0.006467	0.004	Yes	5	0.01378	0.003942	0	None	x^3	0.01	Param.
Beryllium (mg/L)	B-97	0.0019	0.0015	0.004	No	4	0.001725	0.0002062	25	None	No	0.0625	NP (selected)
Beryllium (mg/L)	B-98	0.00087	0.0005	0.004	No	4	0.0005925	0.000185	75	None	No	0.0625	NP (NDs)
Beryllium (mg/L)	DGWC-10	0.009208	0.005678	0.004	Yes	14	0.007443	0.002492	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-11	0.003	0.00013	0.004	No	14	0.0004964	0.0007432	50	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-12	0.00049	0.00011	0.004	No	16	0.0003943	0.0007051	12.5	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-13	0.003	0.00007	0.004	No	14	0.0005256	0.000742	64.29	None	No	0.01	NP (NDs)
Beryllium (mg/L)	DGWC-15	0.003	0.00022	0.004	No	15	0.0006185	0.0006715	86.67	None	No	0.01	NP (NDs)
Beryllium (mg/L)	DGWC-17	0.0006188	0.0005265	0.004	No	15	0.0005727	0.00006808	13.33	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-19	0.0021	0.0017	0.004	No	15	0.001907	0.0004978	13.33	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-20	0.004866	0.002215	0.004	No	15	0.003673	0.002056	13.33	None	sqrt(x)	0.01	Param.
Beryllium (mg/L)	DGWC-21	0.0005	0.0001	0.004	No	15	0.000374	0.0007325	13.33	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-22	0.0005	0.00014	0.004	No	15	0.000376	0.0007316	13.33	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-23	0.0005	0.00038	0.004	No	15	0.000618	0.0006665	13.33	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-4	0.00028	0.00019	0.004	No	14	0.0004279	0.0007463	14.29	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-42	0.002738	0.002049	0.004	No	15	0.002333	0.0006576	6.667	None	x^2	0.01	Param.
Beryllium (mg/L)	DGWC-47	0.01281	0.009018	0.004	Yes	15	0.01091	0.002797	0	None	No	0.01	Param.

State Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Beryllium (mg/L)	DGWC-48	0.009234	0.007526	0.004	Yes	15	0.00838	0.00126	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-5	0.008688	0.006197	0.004	Yes	14	0.007443	0.001758	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-8	0.003201	0.001685	0.004	No	14	0.002443	0.00107	7.143	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-9	0.005896	0.004931	0.004	Yes	15	0.005413	0.000712	0	None	No	0.01	Param.
Cadmium (mg/L)	B-100	0.00059	0.00027	0.005	No	4	0.000355	0.000157	0	None	No	0.0625	NP (normality)
Cadmium (mg/L)	B-102D	0.0009243	0.0006021	0.005	No	4	0.0007775	0.00007274	0	None	x^2	0.01	Param.
Cadmium (mg/L)	B-56	0.0003178	0.0002172	0.005	No	4	0.0002675	0.00002217	0	None	No	0.01	Param.
Cadmium (mg/L)	B-63	0.0003199	0.00007013	0.005	No	4	0.0003475	0.0001817	50	Kaplan-Meier	No	0.01	Param.
Cadmium (mg/L)	B-82	0.0007939	0.0002981	0.005	No	5	0.000546	0.0001479	0	None	No	0.01	Param.
Cadmium (mg/L)	B-83	0.0004307	0.0002333	0.005	No	5	0.000332	0.00005891	0	None	No	0.01	Param.
Cadmium (mg/L)	B-88	0.008758	-0.003848	0.005	No	4	0.002455	0.002776	0	None	No	0.01	Param.
Cadmium (mg/L)	B-93	0.0009316	0.0006384	0.005	No	4	0.000785	0.00006455	0	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-10	0.001207	0.0008102	0.005	No	14	0.001009	0.0002801	0	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-11	0.0005	0.00016	0.005	No	14	0.0004221	0.0001549	78.57	None	No	0.01	NP (NDs)
Cadmium (mg/L)	DGWC-12	0.0003426	0.0002257	0.005	No	16	0.0003944	0.0001917	25	Kaplan-Meier	sqrt(x)	0.01	Param.
Cadmium (mg/L)	DGWC-13	0.0005	0.0002	0.005	No	14	0.0004486	0.0001328	85.71	Kaplan-Meier	No	0.01	NP (NDs)
Cadmium (mg/L)	DGWC-15	0.001	0.00012	0.005	No	15	0.0004287	0.0002377	73.33	Kaplan-Meier	No	0.01	NP (NDs)
Cadmium (mg/L)	DGWC-17	0.00033	0.00023	0.005	No	15	0.0002987	0.00009062	13.33	None	No	0.01	NP (normality)
Cadmium (mg/L)	DGWC-19	0.0005	0.00034	0.005	No	15	0.0004207	0.0001665	13.33	None	No	0.01	NP (normality)
Cadmium (mg/L)	DGWC-2	0.0002846	0.0001314	0.005	No	15	0.0003667	0.0002335	33.33	Kaplan-Meier	sqrt(x)	0.01	Param.
Cadmium (mg/L)	DGWC-20	0.002238	0.001722	0.005	No	15	0.00198	0.0003802	0	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-21	0.0007418	0.0004675	0.005	No	15	0.0006047	0.0002024	13.33	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-22	0.0007017	0.0004543	0.005	No	15	0.000578	0.0001826	13.33	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-23	0.0003	0.00019	0.005	No	15	0.0002967	0.0002115	13.33	None	No	0.01	NP (normality)
Cadmium (mg/L)	DGWC-4	0.0008282	0.0006103	0.005	No	14	0.0007193	0.0001538	14.29	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-42	0.001109	0.0004679	0.005	No	15	0.0008233	0.0005572	13.33	None	sqrt(x)	0.01	Param.
Cadmium (mg/L)	DGWC-47	0.002181	0.001246	0.005	No	15	0.001713	0.0006896	0	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-48	0.0042	0.0025	0.005	No	15	0.003527	0.001682	0	None	No	0.01	NP (normality)
Cadmium (mg/L)	DGWC-5	0.0008175	0.0004382	0.005	No	14	0.0006279	0.0002677	14.29	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-8	0.002516	0.00197	0.005	No	14	0.002243	0.0003857	0	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-9	0.0006732	0.0005032	0.005	No	15	0.0005927	0.0001373	13.33	None	x^(1/3)	0.01	Param.
Chromium (mg/L)	B-100	0.001223	0.0003828	0.1	No	4	0.002877	0.002456	50	Kaplan-Meier	sqrt(x)	0.01	Param.
Chromium (mg/L)	B-104D	0.005	0.0011	0.1	No	4	0.004025	0.00195	75	Kaplan-Meier	No	0.0625	NP (NDs)
Chromium (mg/L)	B-56	0.001914	0.00007551	0.1	No	4	0.002997	0.002336	50	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	B-62	0.005	0.00098	0.1	No	7	0.004426	0.001519	85.71	Kaplan-Meier	No	0.008	NP (NDs)
Chromium (mg/L)	B-63	0.005	0.00064	0.1	No	4	0.00391	0.00218	75	Kaplan-Meier	No	0.0625	NP (NDs)
Chromium (mg/L)	B-77	0.001858	0.0005328	0.1	No	6	0.00241	0.002072	33.33	Kaplan-Meier	ln(x)	0.01	Param.
Chromium (mg/L)	B-82	0.005	0.0011	0.1	No	5	0.00422	0.001744	80	Kaplan-Meier	No	0.031	NP (NDs)
Chromium (mg/L)	B-83	0.0051	0.0017	0.1	No	5	0.00394	0.001524	0	None	No	0.031	NP (selected)
Chromium (mg/L)	B-88	0.002116	0.0005176	0.1	No	4	0.002237	0.001875	25	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	B-93	0.005	0.00057	0.1	No	4	0.002807	0.002532	50	None	No	0.0625	NP (normality)
Chromium (mg/L)	DGWC-10	0.005	0.00078	0.1	No	14	0.002321	0.002074	35.71	None	No	0.01	NP (normality)
Chromium (mg/L)	DGWC-11	0.005	0.0006	0.1	No	14	0.003742	0.002064	71.43	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-12	0.005	0.00099	0.1	No	16	0.004496	0.001378	87.5	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-13	0.005	0.00074	0.1	No	14	0.003778	0.002006	71.43	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-15	0.01	0.00058	0.1	No	15	0.004423	0.002397	73.33	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-17	0.0035	0.0024	0.1	No	15	0.003047	0.0008651	13.33	None	No	0.01	NP (normality)
Chromium (mg/L)	DGWC-19	0.005	0.0023	0.1	No	15	0.00342	0.002022	20	None	No	0.01	NP (normality)
Chromium (mg/L)	DGWC-2	0.005	0.0005	0.1	No	15	0.003211	0.002268	60	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-20	0.002136	0.001443	0.1	No	15	0.003467	0.002385	40	Kaplan-Meier	ln(x)	0.01	Param.
Chromium (mg/L)	DGWC-21	0.005	0.0005	0.1	No	15	0.00333	0.002148	60	Kaplan-Meier	No	0.01	NP (NDs)

State Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	DGWC-22	0.005	0.0012	0.1	No	15	0.004747	0.0009812	93.33	Kaplan-Meier	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-23	0.005	0.0005	0.1	No	15	0.002187	0.002075	33.33	None	No	0.01	NP (normality)
Chromium (mg/L)	DGWC-4	0.005	0.0005	0.1	No	14	0.004679	0.001203	92.86	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-42	0.005	0.0005	0.1	No	15	0.003082	0.002157	53.33	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-47	0.005	0.0007	0.1	No	15	0.004713	0.00111	93.33	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-48	0.005	0.0007	0.1	No	15	0.004407	0.001567	86.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-5	0.005	0.00045	0.1	No	14	0.004675	0.001216	92.86	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-8	0.005	0.00086	0.1	No	14	0.003391	0.002002	57.14	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-9	0.0057	0.00059	0.1	No	15	0.003593	0.002173	60	None	No	0.01	NP (NDs)
Cobalt (mg/L)	B-100	0.087	0.029	0.032	No	6	0.058	0.02804	0	None	No	0.0155	NP (selected)
Cobalt (mg/L)	B-102D	0.01585	0.01215	0.032	No	4	0.014	0.0008165	0	None	No	0.01	Param.
Cobalt (mg/L)	B-104D	0.2361	-0.01451	0.032	No	4	0.1625	0.04272	0	None	x^2	0.01	Param.
Cobalt (mg/L)	B-111D	0.0009228	0.0004439	0.032	No	4	0.00112	0.0009256	25	Kaplan-Meier	x^(1/3)	0.01	Param.
Cobalt (mg/L)	B-56	0.05421	0.03629	0.032	Yes	4	0.04525	0.003948	0	None	No	0.01	Param.
Cobalt (mg/L)	B-62	0.0025	0.0003	0.032	No	7	0.001873	0.001071	71.43	None	No	0.008	NP (NDs)
Cobalt (mg/L)	B-63	0.0547	0.0353	0.032	Yes	5	0.045	0.005788	0	None	No	0.01	Param.
Cobalt (mg/L)	B-66	0.01241	0.003754	0.032	No	5	0.00758	0.003665	20	Kaplan-Meier	No	0.01	Param.
Cobalt (mg/L)	B-77	0.0031	0.0004	0.032	No	6	0.001817	0.0009725	16.67	None	No	0.0155	NP (selected)
Cobalt (mg/L)	B-82	0.007804	0.0003291	0.032	No	6	0.004067	0.002721	0	None	No	0.01	Param.
Cobalt (mg/L)	B-83	0.021	0.0073	0.032	No	5	0.01344	0.005791	0	None	No	0.031	NP (selected)
Cobalt (mg/L)	B-88	0.022	0.0015	0.032	No	5	0.00928	0.009906	0	None	No	0.031	NP (selected)
Cobalt (mg/L)	B-93	0.069	0.0594	0.032	Yes	5	0.0642	0.002864	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-10	0.1888	0.1413	0.032	Yes	14	0.1537	0.04866	0	None	x^4	0.01	Param.
Cobalt (mg/L)	DGWC-11	0.0025	0.0006	0.032	No	14	0.001481	0.0009221	42.86	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-12	0.013	0.0021	0.032	No	16	0.008125	0.009711	12.5	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-13	0.0025	0.0005	0.032	No	14	0.002056	0.0008832	78.57	None	No	0.01	NP (NDs)
Cobalt (mg/L)	DGWC-15	0.0028	0.0016	0.032	No	15	0.003653	0.005947	6.667	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-17	0.02716	0.02022	0.032	No	15	0.02313	0.00641	6.667	None	x^2	0.01	Param.
Cobalt (mg/L)	DGWC-19	0.05331	0.04925	0.032	Yes	15	0.05128	0.002996	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-2	0.0284	0.0062	0.032	No	15	0.01761	0.01155	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-20	0.6394	0.4659	0.032	Yes	15	0.5575	0.1355	0	None	x^(1/3)	0.01	Param.
Cobalt (mg/L)	DGWC-21	0.009773	0.008552	0.032	No	15	0.00862	0.002141	13.33	None	x^6	0.01	Param.
Cobalt (mg/L)	DGWC-22	0.009945	0.007492	0.032	No	15	0.008533	0.002244	13.33	None	x^2	0.01	Param.
Cobalt (mg/L)	DGWC-23	0.005	0.00039	0.032	No	15	0.00183	0.001357	60	None	No	0.01	NP (NDs)
Cobalt (mg/L)	DGWC-4	0.0021	0.0015	0.032	No	14	0.002021	0.000904	14.29	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-42	0.04451	0.01723	0.032	No	15	0.03087	0.02013	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-47	0.3858	0.253	0.032	Yes	15	0.3194	0.09792	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-48	0.5073	0.402	0.032	Yes	15	0.4547	0.07771	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-5	0.04	0.02	0.032	No	14	0.02794	0.01109	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-8	0.0878	0.04412	0.032	Yes	14	0.06596	0.03083	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-9	0.201	0.1437	0.032	Yes	15	0.1724	0.04231	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-100	1.4	0.168	5.61	No	4	0.7853	0.5031	0	None	No	0.0625	NP (selected)
Combined Radium 226 + 228 (pCi/L)	B-102D	1.74	0.635	5.61	No	4	1.096	0.4956	0	None	No	0.0625	NP (selected)
Combined Radium 226 + 228 (pCi/L)	B-104D	21.26	6.892	5.61	Yes	4	14.08	3.164	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-111D	16.31	1.377	5.61	No	4	8.843	3.288	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-56	1.617	0.5846	5.61	No	4	1.101	0.2275	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-62	2.02	1.173	5.61	No	6	1.597	0.3082	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-77	2.17	0.617	5.61	No	5	1.516	0.7658	0	None	No	0.031	NP (selected)
Combined Radium 226 + 228 (pCi/L)	B-82	1.18	0.3541	5.61	No	4	0.7673	0.182	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-83	1.15	0.0359	5.61	No	5	0.674	0.4409	0	None	No	0.031	NP (selected)
Combined Radium 226 + 228 (pCi/L)	B-88	2.84	0.771	5.61	No	4	1.752	1.056	0	None	No	0.0625	NP (selected)

State Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:30 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-93	2.371	0.3074	5.61	No 4	1.339	0.4544	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-10	1.497	1.071	5.61	No 15	1.284	0.314	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-11	1.272	0.6667	5.61	No 15	0.9694	0.4467	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-12	1.27	0.4013	5.61	No 15	0.8984	0.714	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-13	1.484	1.036	5.61	No 15	1.26	0.3303	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-14	1.103	0.6919	5.61	No 15	0.8972	0.303	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-15	1.553	0.551	5.61	No 15	1.118	0.8748	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-17	1.05	0.5723	5.61	No 15	0.8113	0.3526	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-19	1.04	0.5062	5.61	No 15	0.7733	0.3942	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-2	1.444	0.8924	5.61	No 15	1.168	0.4067	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-20	1.543	0.8767	5.61	No 15	1.21	0.4913	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-21	1.125	0.5866	5.61	No 15	0.8557	0.3972	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-22	1.364	0.733	5.61	No 15	1.049	0.4659	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-23	1.489	0.7765	5.61	No 15	1.133	0.5259	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-4	1.721	1.187	5.61	No 15	1.454	0.3939	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-42	1.169	0.7309	5.61	No 15	0.9499	0.3231	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-47	2.903	1.785	5.61	No 15	2.344	0.8249	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-48	2.415	1.602	5.61	No 15	2.03	0.6435	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-5	1.839	1.024	5.61	No 15	1.431	0.6015	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-8	0.841	0.4794	5.61	No 15	0.6602	0.2668	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-9	1.439	0.9531	5.61	No 15	1.196	0.3583	0	None	No	0.01	Param.
Fluoride, total (mg/L)	B-102D	0.11	0.077	4	No 4	0.08725	0.01537	0	None	No	0.0625	NP (normality)
Fluoride, total (mg/L)	B-104D	0.5774	0.2326	4	No 4	0.405	0.07594	0	None	No	0.01	Param.
Fluoride, total (mg/L)	B-111D	0.7199	0.1451	4	No 4	0.4325	0.1266	0	None	No	0.01	Param.
Fluoride, total (mg/L)	B-56	0.34	0.098	4	No 4	0.207	0.09985	0	None	No	0.0625	NP (selected)
Fluoride, total (mg/L)	B-62	0.3546	0.06003	4	No 6	0.1855	0.1295	0	None	x^(1/3)	0.01	Param.
Fluoride, total (mg/L)	B-77	0.1	0.078	4	No 5	0.0948	0.00955	60	None	No	0.031	NP (NDs)
Fluoride, total (mg/L)	B-82	0.2	0.052	4	No 4	0.113	0.06226	50	None	No	0.0625	NP (selected)
Fluoride, total (mg/L)	B-83	0.1232	0.02857	4	No 5	0.0834	0.0317	20	Kaplan-Meier	No	0.01	Param.
Fluoride, total (mg/L)	B-93	0.3685	0.2815	4	No 4	0.325	0.01915	0	None	No	0.01	Param.
Fluoride, total (mg/L)	DGWC-10	1.862	1.347	4	No 16	1.604	0.3955	0	None	No	0.01	Param.
Fluoride, total (mg/L)	DGWC-11	0.1	0.052	4	No 15	0.0804	0.0261	60	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-12	0.1641	0.05529	4	No 16	0.1588	0.1448	37.5	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride, total (mg/L)	DGWC-13	0.2134	0.08589	4	No 15	0.157	0.1093	6.667	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	DGWC-14	0.1	0.052	4	No 16	0.08588	0.02643	68.75	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-15	0.11	0.079	4	No 16	0.1054	0.04361	62.5	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-17	0.2722	0.09774	4	No 16	0.2039	0.1552	12.5	None	x^(1/3)	0.01	Param.
Fluoride, total (mg/L)	DGWC-19	0.5135	0.1749	4	No 16	0.3713	0.313	6.25	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	DGWC-2	0.28	0.052	4	No 16	0.1429	0.1586	37.5	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	DGWC-20	0.9494	0.4006	4	No 16	0.675	0.4218	6.25	None	No	0.01	Param.
Fluoride, total (mg/L)	DGWC-21	0.14	0.07	4	No 16	0.107	0.06664	62.5	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-22	0.13	0.09	4	No 16	0.1185	0.06532	50	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	DGWC-23	0.2262	0.09243	4	No 16	0.1852	0.1558	6.25	None	ln(x)	0.01	Param.
Fluoride, total (mg/L)	DGWC-4	0.17	0.082	4	No 16	0.1364	0.1776	68.75	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-42	0.1	0.06	4	No 16	0.0925	0.02176	87.5	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-47	1.146	0.5167	4	No 16	0.8313	0.4835	0	None	No	0.01	Param.
Fluoride, total (mg/L)	DGWC-48	1.19	0.6114	4	No 16	0.9006	0.4445	0	None	No	0.01	Param.
Fluoride, total (mg/L)	DGWC-5	0.7808	0.2378	4	No 15	0.5667	0.4567	6.667	None	x^(1/3)	0.01	Param.
Fluoride, total (mg/L)	DGWC-8	0.4095	0.1193	4	No 15	0.2868	0.2338	13.33	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	DGWC-9	1.391	0.9657	4	No 16	1.178	0.3265	0	None	No	0.01	Param.
Lead (mg/L)	B-100	0.0003036	0.00005528	0.001	No 4	0.0003695	0.0004235	25	Kaplan-Meier	sqrt(x)	0.01	Param.

State Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lead (mg/L)	B-102D	0.001	0.000037	0.001	No	4	0.0002865	0.0004758	25	None	No	0.0625	NP (normality)
Lead (mg/L)	B-104D	0.001	0.000051	0.001	No	4	0.0007628	0.0004745	75	None	No	0.0625	NP (NDs)
Lead (mg/L)	B-111D	0.001	0.000051	0.001	No	4	0.0005273	0.0005459	50	None	No	0.0625	NP (normality)
Lead (mg/L)	B-56	0.0002854	0.00003627	0.001	No	4	0.0003528	0.0004355	25	Kaplan-Meier	sqrt(x)	0.01	Param.
Lead (mg/L)	B-63	0.001	0.000047	0.001	No	4	0.00053	0.0005428	50	None	No	0.0625	NP (normality)
Lead (mg/L)	B-77	0.0016	0.00021	0.001	No	6	0.0007367	0.000554	33.33	None	No	0.0155	NP (selected)
Lead (mg/L)	B-82	0.0001911	0.00004858	0.001	No	5	0.0004658	0.000489	40	Kaplan-Meier	x^(1/3)	0.01	Param.
Lead (mg/L)	B-83	0.001	0.000065	0.001	No	5	0.000455	0.0004634	20	None	No	0.031	NP (selected)
Lead (mg/L)	B-88	0.02767	0.00004865	0.001	No	4	0.00354	0.005647	25	Kaplan-Meier	ln(x)	0.01	Param.
Lead (mg/L)	B-93	0.001	0.00012	0.001	No	4	0.00056	0.0005081	50	None	No	0.0625	NP (normality)
Lead (mg/L)	DGWC-10	0.001	0.00011	0.001	No	14	0.0006273	0.0004481	57.14	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-11	0.001	0.0001	0.001	No	14	0.0006785	0.0004481	64.29	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-12	0.001	0.00011	0.001	No	16	0.0008881	0.0003057	87.5	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-13	0.001	0.0002	0.001	No	14	0.0008784	0.0003097	85.71	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-14	0.001	0.000096	0.001	No	15	0.0008149	0.0003834	80	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-15	0.0012	0.0001	0.001	No	15	0.0007161	0.0004487	60	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-17	0.001	0.00009	0.001	No	15	0.0005862	0.0004585	53.33	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-19	0.001	0.00007	0.001	No	15	0.0007059	0.0004334	66.67	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-2	0.001	0.000086	0.001	No	15	0.0005156	0.0004693	46.67	None	No	0.01	NP (normality)
Lead (mg/L)	DGWC-20	0.001	0.00015	0.001	No	15	0.0007311	0.0003691	60	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-21	0.001	0.00014	0.001	No	15	0.0006177	0.0004296	53.33	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-23	0.001	0.000066	0.001	No	15	0.0009377	0.0002412	93.33	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-4	0.001	0.00012	0.001	No	14	0.0007478	0.0004149	71.43	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-42	0.0004678	0.0001549	0.001	No	15	0.0008147	0.001228	20	Kaplan-Meier	ln(x)	0.01	Param.
Lead (mg/L)	DGWC-47	0.0011	0.00053	0.001	No	15	0.001081	0.001106	26.67	None	No	0.01	NP (normality)
Lead (mg/L)	DGWC-48	0.0022	0.00095	0.001	No	15	0.001664	0.001169	13.33	None	No	0.01	NP (normality)
Lead (mg/L)	DGWC-5	0.001	0.000051	0.001	No	14	0.0005984	0.0006777	35.71	None	No	0.01	NP (normality)
Lead (mg/L)	DGWC-8	0.001	0.00011	0.001	No	14	0.0006273	0.0004132	50	None	No	0.01	NP (normality)
Lead (mg/L)	DGWC-9	0.001	0.00028	0.001	No	15	0.00084	0.0003323	80	None	No	0.01	NP (NDs)
Lithium (mg/L)	B-100	0.003519	0.0007815	0.03	No	4	0.00215	0.0006028	0	None	No	0.01	Param.
Lithium (mg/L)	B-102D	0.01666	0.009844	0.03	No	4	0.01325	0.0015	0	None	No	0.01	Param.
Lithium (mg/L)	B-104D	0.04121	0.03479	0.03	Yes	4	0.038	0.001414	0	None	No	0.01	Param.
Lithium (mg/L)	B-111D	0.029	0.021	0.03	No	4	0.02475	0.004349	0	None	No	0.0625	NP (selected)
Lithium (mg/L)	B-56	0.005968	0.004632	0.03	No	4	0.0053	0.0002944	0	None	No	0.01	Param.
Lithium (mg/L)	B-62	0.015	0.0078	0.03	No	7	0.0094	0.002532	14.29	None	No	0.008	NP (normality)
Lithium (mg/L)	B-63	0.015	0.0062	0.03	No	5	0.00812	0.003849	20	None	No	0.031	NP (normality)
Lithium (mg/L)	B-77	0.015	0.00095	0.03	No	6	0.004525	0.005339	16.67	None	No	0.0155	NP (selected)
Lithium (mg/L)	B-82	0.0039	0.001	0.03	No	5	0.00222	0.001422	0	None	No	0.031	NP (selected)
Lithium (mg/L)	B-83	0.004551	0.0009685	0.03	No	5	0.00276	0.001069	0	None	No	0.01	Param.
Lithium (mg/L)	B-88	0.029	0.0016	0.03	No	4	0.009575	0.01311	0	None	No	0.0625	NP (selected)
Lithium (mg/L)	B-93	0.012	0.011	0.03	No	4	0.01125	0.0005	0	None	No	0.0625	NP (normality)
Lithium (mg/L)	DGWC-10	0.006793	0.002702	0.03	No	14	0.005343	0.004279	14.29	None	ln(x)	0.01	Param.
Lithium (mg/L)	DGWC-11	0.0028	0.0019	0.03	No	14	0.003186	0.003418	7.143	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-12	0.015	0.0011	0.03	No	16	0.01064	0.006685	68.75	None	No	0.01	NP (NDs)
Lithium (mg/L)	DGWC-13	0.0036	0.0029	0.03	No	14	0.004879	0.004297	14.29	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-14	0.0044	0.0032	0.03	No	15	0.00472	0.003078	6.667	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-15	0.0066	0.0058	0.03	No	14	0.00625	0.0008465	0	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-17	0.015	0.00096	0.03	No	15	0.009434	0.007057	60	None	No	0.01	NP (NDs)
Lithium (mg/L)	DGWC-19	0.0035	0.003	0.03	No	15	0.003993	0.003053	6.667	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-2	0.085	0.023	0.03	No	15	0.04906	0.03031	6.667	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-20	0.012	0.0021	0.03	No	15	0.006407	0.005611	6.667	None	No	0.01	NP (normality)

State Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lithium (mg/L)	DGWC-21	0.0065	0.0057	0.03	No	15	0.00656	0.00236	6.667	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-22	0.0046	0.0037	0.03	No	15	0.00484	0.002836	6.667	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-23	0.01279	0.003816	0.03	No	15	0.01165	0.01832	6.667	None	ln(x)	0.01	Param.
Lithium (mg/L)	DGWC-4	0.0035	0.0025	0.03	No	14	0.003786	0.003256	7.143	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-42	0.01268	0.01007	0.03	No	15	0.01137	0.001928	6.667	None	No	0.01	Param.
Lithium (mg/L)	DGWC-47	0.07457	0.05787	0.03	Yes	15	0.06622	0.01232	0	None	No	0.01	Param.
Lithium (mg/L)	DGWC-48	0.1269	0.106	0.03	Yes	15	0.1165	0.01544	0	None	No	0.01	Param.
Lithium (mg/L)	DGWC-5	0.008199	0.004206	0.03	No	14	0.006343	0.003062	7.143	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	DGWC-8	0.0072	0.0045	0.03	No	14	0.006036	0.002823	7.143	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-9	0.02931	0.02328	0.03	No	15	0.02629	0.004445	6.667	None	No	0.01	Param.
Mercury (mg/L)	B-104D	0.0002	0.000079	0.002	No	4	0.0001697	0.0000605	75	None	No	0.0625	NP (NDs)
Mercury (mg/L)	B-111D	0.0002	0.000094	0.002	No	4	0.0001735	0.000053	75	None	No	0.0625	NP (NDs)
Mercury (mg/L)	B-56	0.0002	0.00016	0.002	No	4	0.00019	0.00002	75	None	No	0.0625	NP (NDs)
Mercury (mg/L)	B-82	0.0002	0.00011	0.002	No	5	0.000182	0.00004025	80	None	No	0.031	NP (NDs)
Mercury (mg/L)	B-88	0.0002	0.0001	0.002	No	4	0.0001525	0.000055	50	None	No	0.0625	NP (normality)
Mercury (mg/L)	B-93	0.00036	0.00001396	0.002	No	4	0.000187	0.00007622	0	None	No	0.01	Param.
Mercury (mg/L)	DGWC-10	0.0002	0.000081	0.002	No	14	0.0001658	0.00005628	71.43	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-11	0.0002	0.00008	0.002	No	14	0.0001707	0.0000585	78.57	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-12	0.0002	0.00008	0.002	No	16	0.0001541	0.00006456	62.5	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-13	0.0002	0.00009	0.002	No	14	0.0001829	0.00004375	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-14	0.0002	0.00008	0.002	No	15	0.0001727	0.00005688	80	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-15	0.0002	0.00006	0.002	No	15	0.0001907	0.00003615	93.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-17	0.0002	0.00006	0.002	No	15	0.0001404	0.00006361	46.67	None	No	0.01	NP (normality)
Mercury (mg/L)	DGWC-19	0.0002	0.00009	0.002	No	15	0.000172	0.00005882	80	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-2	0.00064	0.000083	0.002	No	15	0.0002049	0.0001304	73.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-20	0.0002	0.00009	0.002	No	15	0.0001767	0.00004835	80	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-21	0.0002	0.00006	0.002	No	15	0.000158	0.00006327	66.67	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-22	0.0002	0.0001	0.002	No	15	0.0001677	0.00005729	73.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-23	0.0002053	0.0001241	0.002	No	15	0.0001853	0.0000573	26.67	Kaplan-Meier	No	0.01	Param.
Mercury (mg/L)	DGWC-4	0.00059	0.00013	0.002	No	14	0.0002059	0.0001192	71.43	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-42	0.0002	0.00004	0.002	No	15	0.0001893	0.00004131	93.33	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-48	0.0002	0.00006	0.002	No	15	0.0001907	0.00003615	93.33	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-5	0.0002402	0.0001202	0.002	No	14	0.0001924	0.0001175	14.29	None	ln(x)	0.01	Param.
Mercury (mg/L)	DGWC-8	0.0002	0.000079	0.002	No	14	0.0001494	0.00006312	57.14	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-9	0.00021	0.00013	0.002	No	15	0.0001881	0.00008736	46.67	None	No	0.01	NP (normality)
Molybdenum (mg/L)	B-104D	0.01	0.0012	0.041	No	4	0.0078	0.0044	75	None	No	0.0625	NP (NDs)
Molybdenum (mg/L)	B-111D	0.01817	0.002799	0.041	No	4	0.00765	0.003615	0	None	ln(x)	0.01	Param.
Molybdenum (mg/L)	B-66	0.01	0.0015	0.041	No	4	0.005825	0.004822	50	None	No	0.0625	NP (normality)
Molybdenum (mg/L)	B-88	0.01	0.0012	0.041	No	4	0.0056	0.005081	50	None	No	0.0625	NP (normality)
Molybdenum (mg/L)	DGWC-13	0.0262	0.01302	0.041	No	14	0.01961	0.009301	0	None	No	0.01	Param.
Molybdenum (mg/L)	DGWC-2	0.01	0.0018	0.041	No	15	0.005093	0.004167	40	None	No	0.01	NP (normality)
Molybdenum (mg/L)	DGWC-23	0.01117	0.00682	0.041	No	15	0.008993	0.003208	0	None	No	0.01	Param.
Molybdenum (mg/L)	DGWC-4	0.007258	0.004757	0.041	No	14	0.006007	0.001765	7.143	None	No	0.01	Param.
Selenium (mg/L)	B-100	0.005	0.0019	0.05	No	4	0.004225	0.00155	75	None	No	0.0625	NP (NDs)
Selenium (mg/L)	B-104D	0.004053	0.0006472	0.05	No	4	0.003675	0.001648	50	Kaplan-Meier	No	0.01	Param.
Selenium (mg/L)	B-111D	0.005	0.0022	0.05	No	4	0.0043	0.0014	75	None	No	0.0625	NP (NDs)
Selenium (mg/L)	B-56	0.029	0.011	0.05	No	4	0.016	0.008718	0	None	No	0.0625	NP (normality)
Selenium (mg/L)	B-77	0.005	0.0017	0.05	No	6	0.00445	0.001347	83.33	None	No	0.0155	NP (NDs)
Selenium (mg/L)	B-82	0.005	0.0016	0.05	No	5	0.00374	0.001734	60	None	No	0.031	NP (NDs)
Selenium (mg/L)	B-83	0.02981	0.006668	0.05	No	5	0.01824	0.006906	0	None	No	0.01	Param.
Selenium (mg/L)	B-88	0.004472	0.0007278	0.05	No	4	0.0026	0.0008246	0	None	No	0.01	Param.

State Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Selenium (mg/L)	B-93	0.036	0.0076	0.05	No	4	0.01788	0.01288	0	None	No	0.0625	NP (selected)
Selenium (mg/L)	DGWC-10	0.05289	0.02215	0.05	No	14	0.03752	0.0217	0	None	No	0.01	Param.
Selenium (mg/L)	DGWC-12	0.005	0.0017	0.05	No	16	0.003931	0.002266	56.25	None	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-13	0.004442	0.0019	0.05	No	14	0.004307	0.00244	21.43	Kaplan-Meier	No	0.01	Param.
Selenium (mg/L)	DGWC-14	0.01	0.0017	0.05	No	15	0.004227	0.002257	66.67	Kaplan-Meier	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-15	0.01	0.0018	0.05	No	15	0.00512	0.001582	93.33	Kaplan-Meier	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-17	0.009189	0.006423	0.05	No	15	0.007953	0.002359	13.33	None	ln(x)	0.01	Param.
Selenium (mg/L)	DGWC-19	0.008946	0.005774	0.05	No	15	0.00736	0.00234	13.33	None	No	0.01	Param.
Selenium (mg/L)	DGWC-2	0.0053	0.0045	0.05	No	15	0.005193	0.001557	46.67	None	No	0.01	NP (normality)
Selenium (mg/L)	DGWC-20	0.06742	0.0338	0.05	No	15	0.05061	0.02481	0	None	No	0.01	Param.
Selenium (mg/L)	DGWC-22	0.005	0.0017	0.05	No	15	0.00478	0.0008521	93.33	None	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-4	0.005	0.0014	0.05	No	14	0.004743	0.0009621	92.86	None	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-47	0.01301	0.005259	0.05	No	15	0.009133	0.005718	13.33	None	No	0.01	Param.
Selenium (mg/L)	DGWC-48	0.008046	0.003594	0.05	No	15	0.00582	0.003285	13.33	None	No	0.01	Param.
Selenium (mg/L)	DGWC-5	0.0457	0.00964	0.05	No	14	0.03263	0.04214	7.143	None	x^(1/3)	0.01	Param.
Selenium (mg/L)	DGWC-8	0.00408	0.002153	0.05	No	14	0.004586	0.002144	50	Kaplan-Meier	sqrt(x)	0.01	Param.
Selenium (mg/L)	DGWC-9	0.1308	0.05207	0.05	Yes	15	0.09144	0.0581	0	None	No	0.01	Param.
Thallium (mg/L)	B-56	0.0003212	0.0001238	0.002	No	4	0.0002225	0.00004349	0	None	No	0.01	Param.
Thallium (mg/L)	B-82	0.001	0.000099	0.002	No	5	0.0006418	0.0004905	60	None	No	0.031	NP (NDs)
Thallium (mg/L)	B-83	0.001	0.000072	0.002	No	5	0.0008144	0.000415	80	None	No	0.031	NP (NDs)
Thallium (mg/L)	B-88	0.001	0.0002	0.002	No	4	0.0008	0.0004	75	None	No	0.0625	NP (NDs)
Thallium (mg/L)	DGWC-10	0.0006	0.00036	0.002	No	14	0.0004907	0.0002285	14.29	None	No	0.01	NP (normality)
Thallium (mg/L)	DGWC-12	0.001	0.00009	0.002	No	16	0.0006042	0.0004636	56.25	None	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-17	0.001	0.00017	0.002	No	15	0.000398	0.0003761	26.67	None	No	0.01	NP (normality)
Thallium (mg/L)	DGWC-19	0.00059	0.00049	0.002	No	15	0.000544	0.0001384	6.667	None	No	0.01	NP (normality)
Thallium (mg/L)	DGWC-20	0.000988	0.0005219	0.002	No	15	0.000942	0.0004995	26.67	Kaplan-Meier	ln(x)	0.01	Param.
Thallium (mg/L)	DGWC-22	0.001	0.000064	0.002	No	15	0.0006889	0.0004554	66.67	Kaplan-Meier	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-4	0.001	0.000073	0.002	No	14	0.0009338	0.0002478	92.86	None	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-42	0.001	0.00009	0.002	No	15	0.0007559	0.000419	73.33	None	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-47	0.00036	0.0002	0.002	No	15	0.0003513	0.0002684	13.33	None	No	0.01	NP (normality)
Thallium (mg/L)	DGWC-48	0.001	0.00008	0.002	No	15	0.0006937	0.0004484	66.67	None	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-5	0.001	0.0002	0.002	No	14	0.00081	0.0003787	78.57	None	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-8	0.001	0.00019	0.002	No	14	0.0003886	0.0003356	21.43	None	No	0.01	NP (normality)
Thallium (mg/L)	DGWC-9	0.001	0.00043	0.002	No	15	0.0007027	0.0002443	33.33	None	No	0.01	NP (normality)

Appendix IV Trend Tests - Significant Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 3:01 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Beryllium (mg/L)	DGWA-70A (bg)	-0.0006733	-54	-53	Yes	15	53.33	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWC-47	-0.001263	-55	-53	Yes	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWA-53 (bg)	-0.005485	-77	-53	Yes	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-10	-0.02424	-58	-48	Yes	14	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-47	-0.05383	-76	-53	Yes	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-48	-0.04534	-87	-53	Yes	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-8	-0.01234	-55	-48	Yes	14	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-9	0.02407	66	53	Yes	15	0	n/a	n/a	0.01	NP
Lithium (mg/L)	DGWC-47	-0.006577	-65	-53	Yes	15	0	n/a	n/a	0.01	NP
Lithium (mg/L)	DGWC-48	-0.008187	-75	-53	Yes	15	0	n/a	n/a	0.01	NP

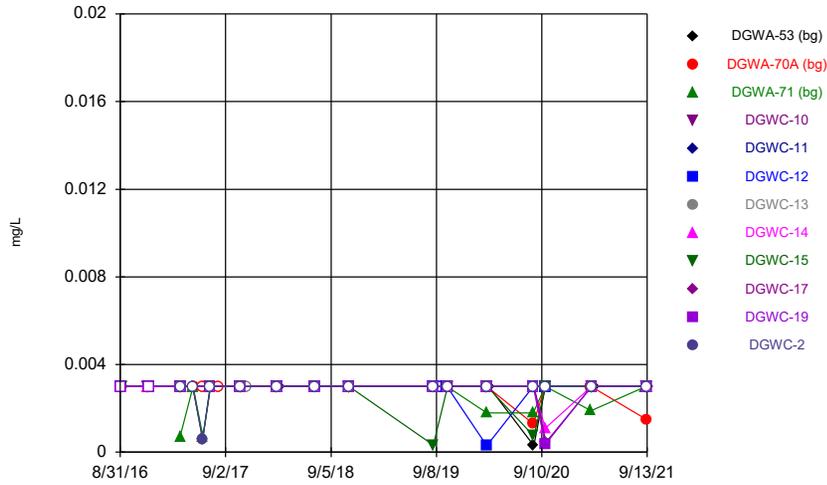
Appendix IV Trend Tests - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 3:01 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Arsenic (mg/L)	DGWA-53 (bg)	0	11	53	No	15	66.67	n/a	n/a	0.01	NP
Arsenic (mg/L)	DGWA-70A (bg)	0	-4	-53	No	15	93.33	n/a	n/a	0.01	NP
Arsenic (mg/L)	DGWA-71 (bg)	0	9	48	No	14	85.71	n/a	n/a	0.01	NP
Arsenic (mg/L)	DGWC-9	0.001503	18	53	No	15	6.667	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWA-53 (bg)	0	0	53	No	15	100	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWA-70A (bg)	-0.0006733	-54	-53	Yes	15	53.33	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWA-71 (bg)	-0.00002022	-33	-53	No	15	33.33	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWC-10	0.0006483	25	48	No	14	0	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWC-47	-0.001263	-55	-53	Yes	15	0	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWC-48	-0.0004177	-53	-53	No	15	0	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWC-5	0.0004286	25	48	No	14	0	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWC-9	0.0001134	20	53	No	15	0	n/a	n/a	0.01	NP
Beryllium (mg/L)	B-93	0.00406	5	12	No	5	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWA-53 (bg)	-0.005485	-77	-53	Yes	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWA-70A (bg)	0	-1	-53	No	15	46.67	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWA-71 (bg)	0	17	48	No	14	64.29	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-10	-0.02424	-58	-48	Yes	14	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-19	-0.0006109	-25	-53	No	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-20	0.02101	20	53	No	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-47	-0.05383	-76	-53	Yes	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-48	-0.04534	-87	-53	Yes	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-8	-0.01234	-55	-48	Yes	14	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-9	0.02407	66	53	Yes	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	B-56	0.004935	3	8	No	4	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	B-63	-0.004021	-5	-12	No	5	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	B-93	-0.003331	-6	-12	No	5	0	n/a	n/a	0.01	NP
Combined Radium 226 + 228 (pCi/L)	DGWA-53 (bg)	-0.6866	-53	-53	No	15	0	n/a	n/a	0.01	NP
Combined Radium 226 + 228 (pCi/L)	DGWA-70A (bg)	0.004235	0	58	No	16	0	n/a	n/a	0.01	NP
Combined Radium 226 + 228 (pCi/L)	DGWA-71 (bg)	0	0	53	No	15	0	n/a	n/a	0.01	NP
Combined Radium 226 + 228 (pCi/L)	B-104D	-8.273	-4	-8	No	4	0	n/a	n/a	0.01	NP
Lithium (mg/L)	DGWA-53 (bg)	-0.0001578	-13	-53	No	15	6.667	n/a	n/a	0.01	NP
Lithium (mg/L)	DGWA-70A (bg)	0	15	53	No	15	80	n/a	n/a	0.01	NP
Lithium (mg/L)	DGWA-71 (bg)	-0.0001648	-41	-48	No	14	21.43	n/a	n/a	0.01	NP
Lithium (mg/L)	DGWC-47	-0.006577	-65	-53	Yes	15	0	n/a	n/a	0.01	NP
Lithium (mg/L)	DGWC-48	-0.008187	-75	-53	Yes	15	0	n/a	n/a	0.01	NP
Lithium (mg/L)	B-104D	-0.004109	-5	-8	No	4	0	n/a	n/a	0.01	NP
Selenium (mg/L)	DGWA-53 (bg)	0	0	53	No	15	100	n/a	n/a	0.01	NP
Selenium (mg/L)	DGWA-70A (bg)	0	0	53	No	15	100	n/a	n/a	0.01	NP
Selenium (mg/L)	DGWA-71 (bg)	0	0	48	No	14	100	n/a	n/a	0.01	NP
Selenium (mg/L)	DGWC-9	0.006758	19	53	No	15	0	n/a	n/a	0.01	NP

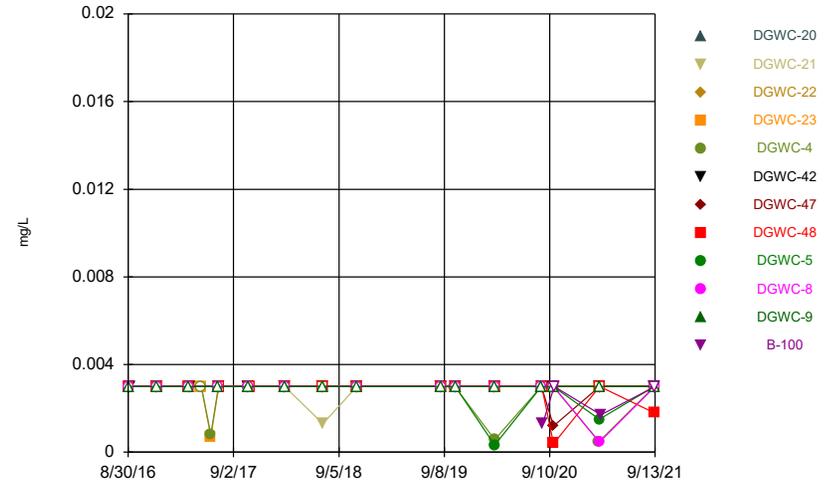
FIGURE A.

Time Series



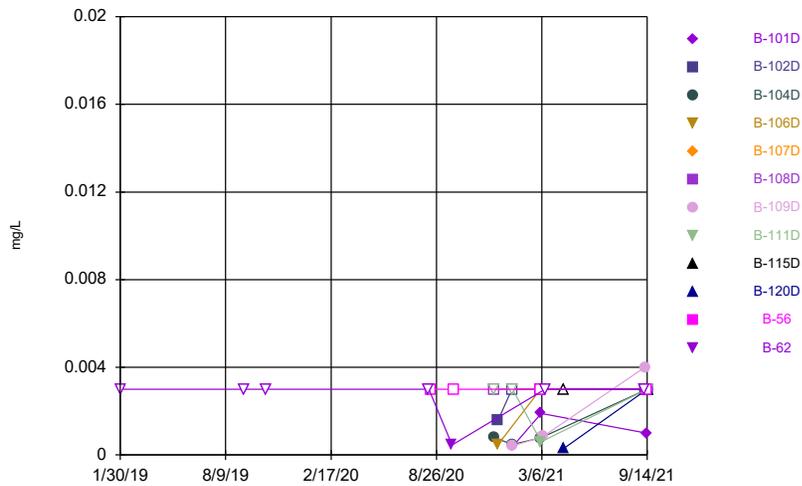
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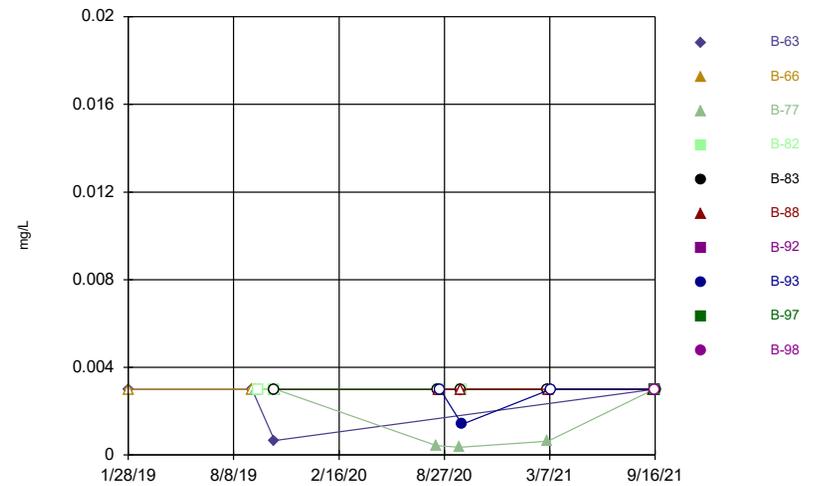
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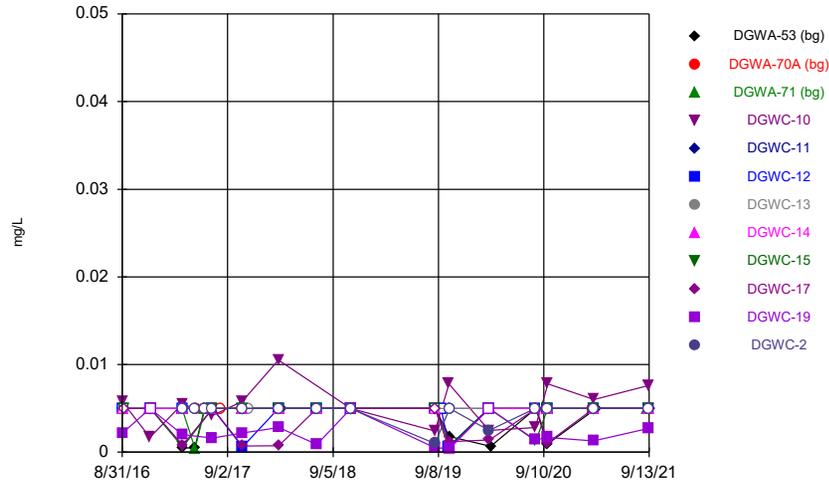
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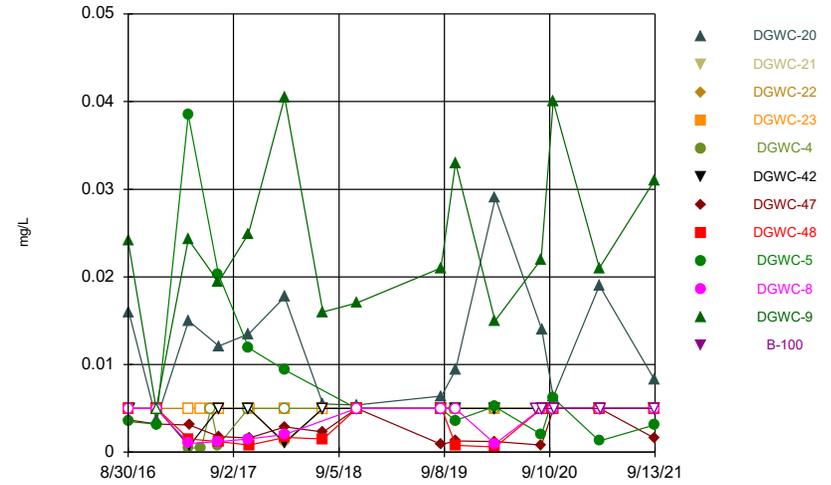
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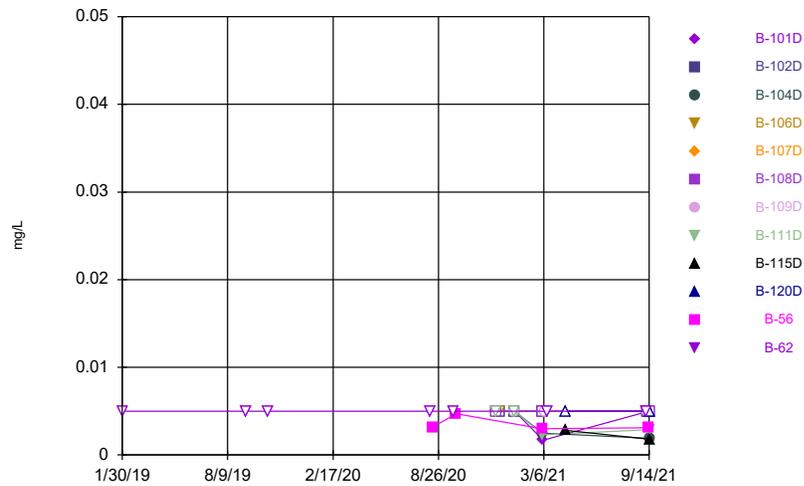
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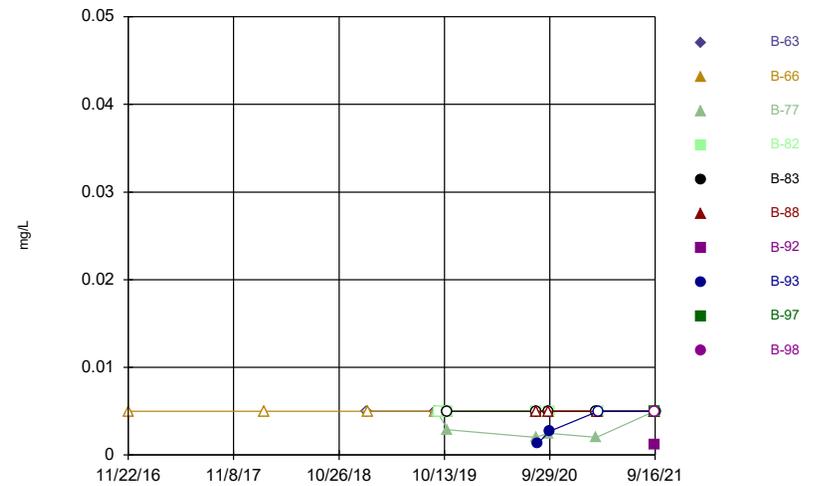
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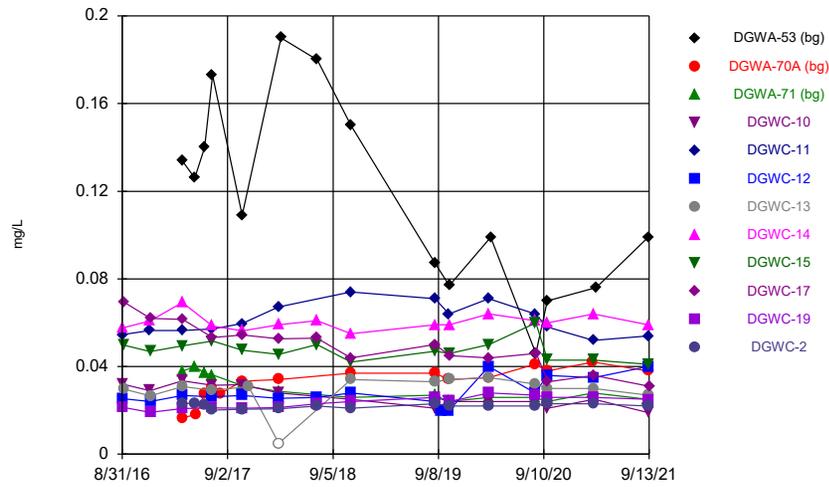
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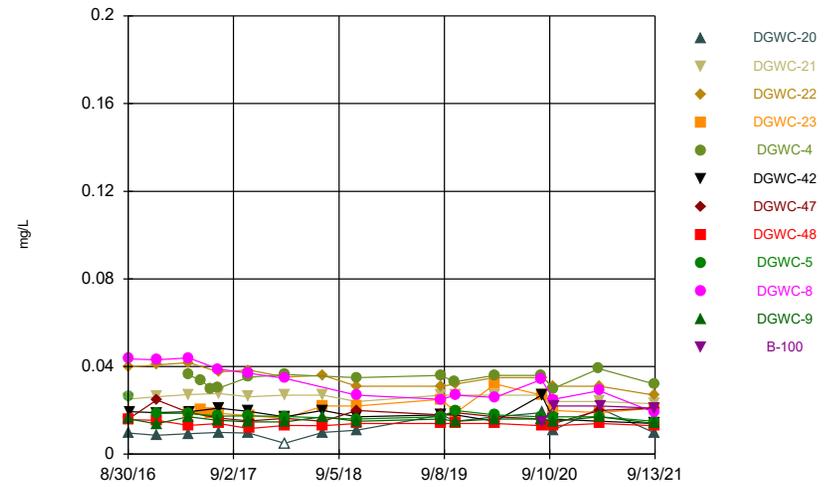
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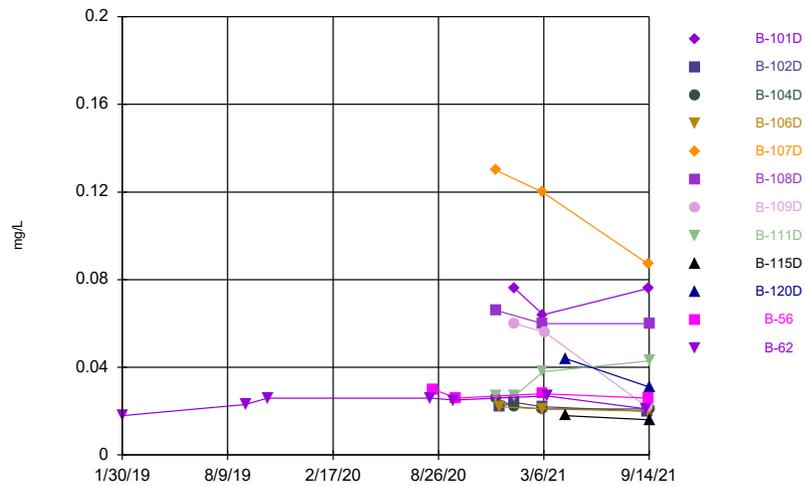
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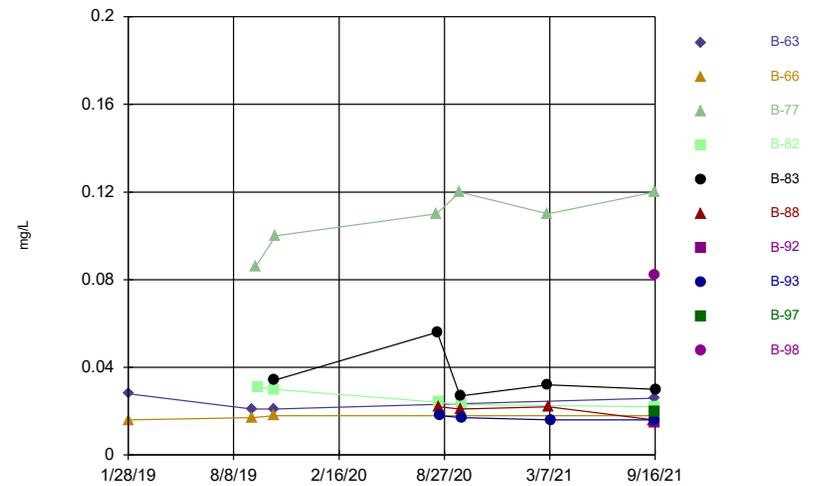
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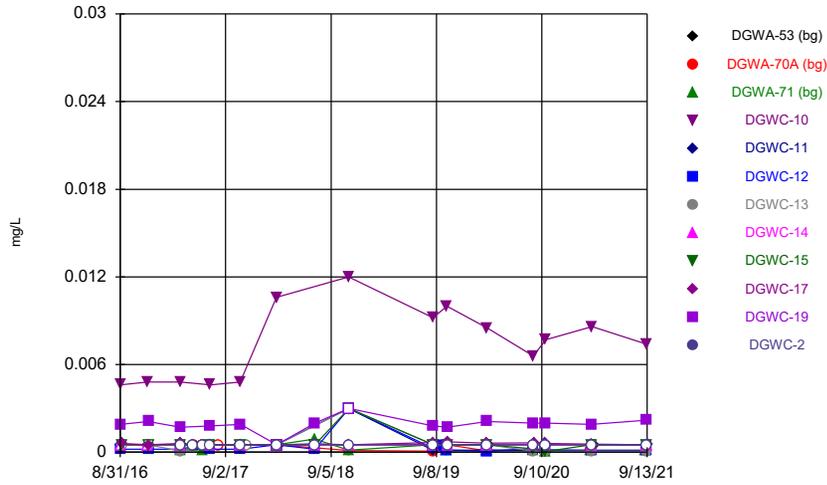
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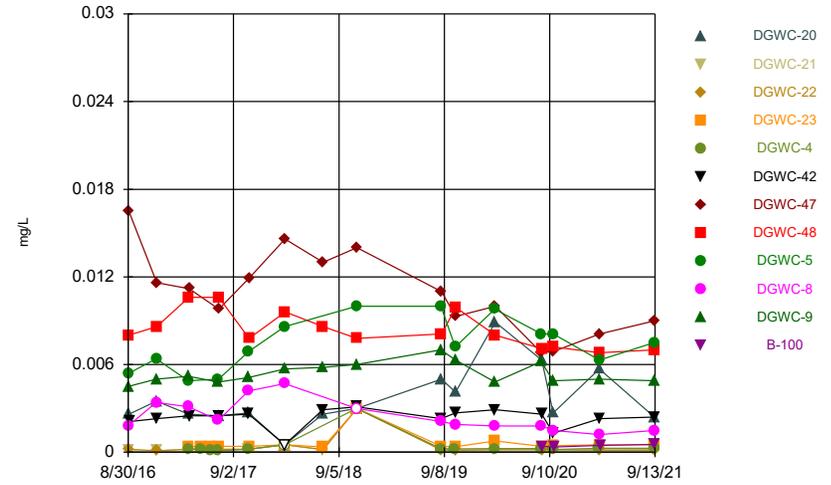
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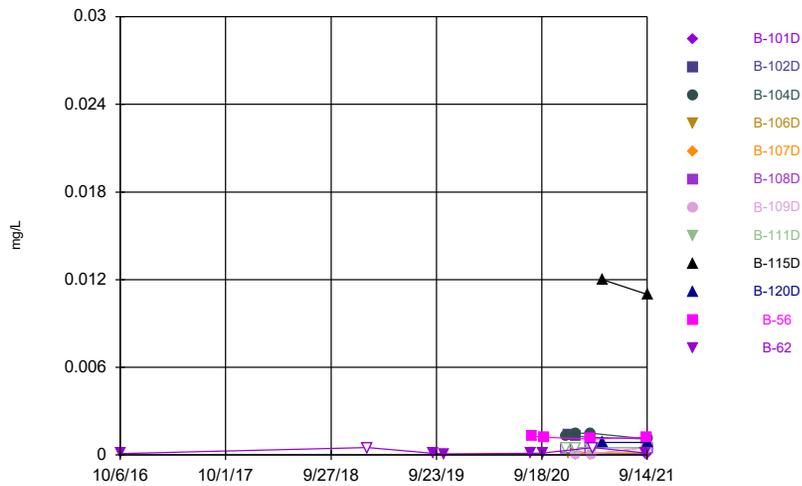
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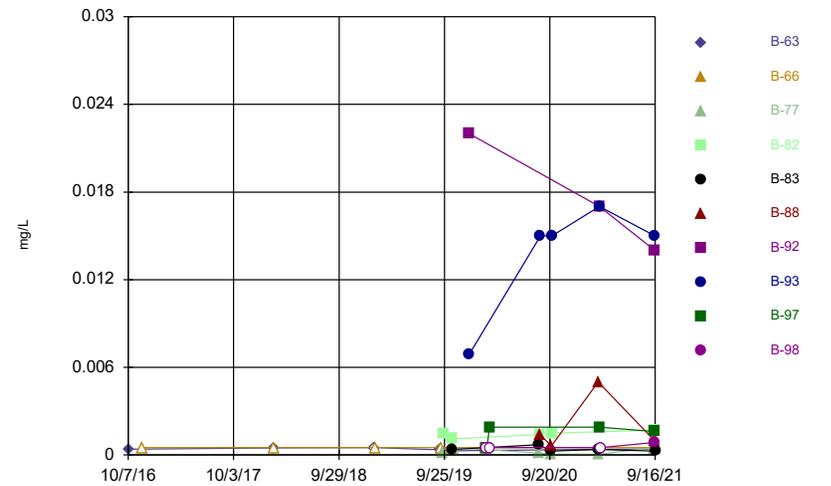
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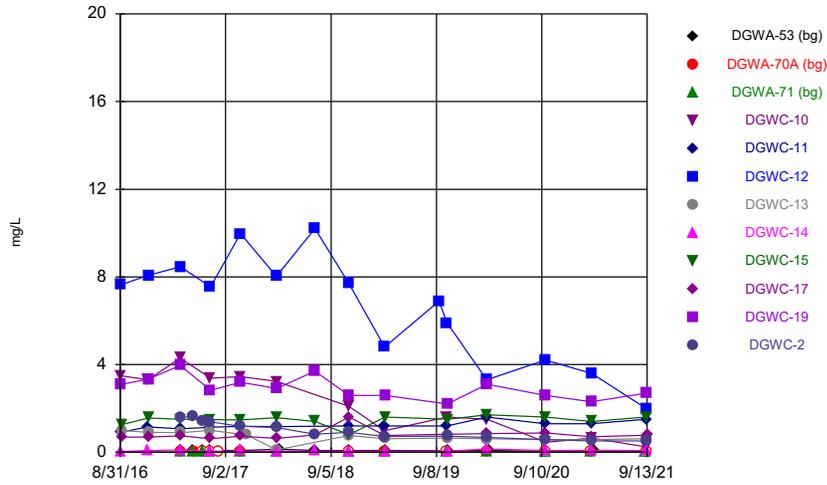
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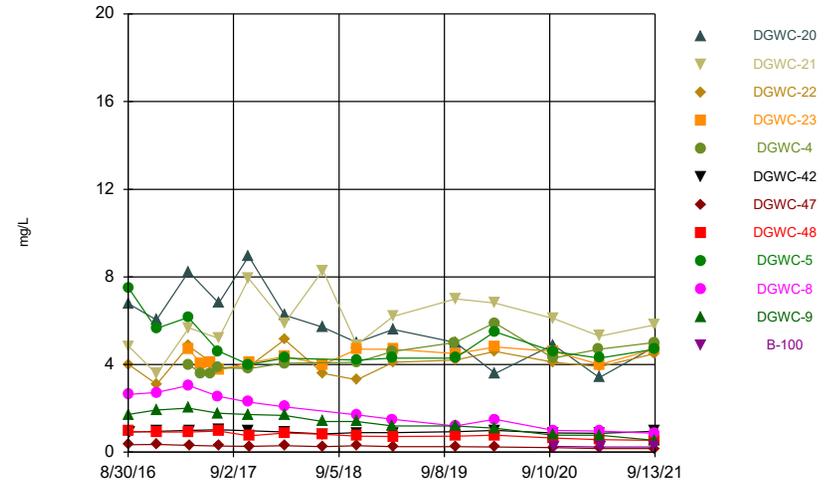
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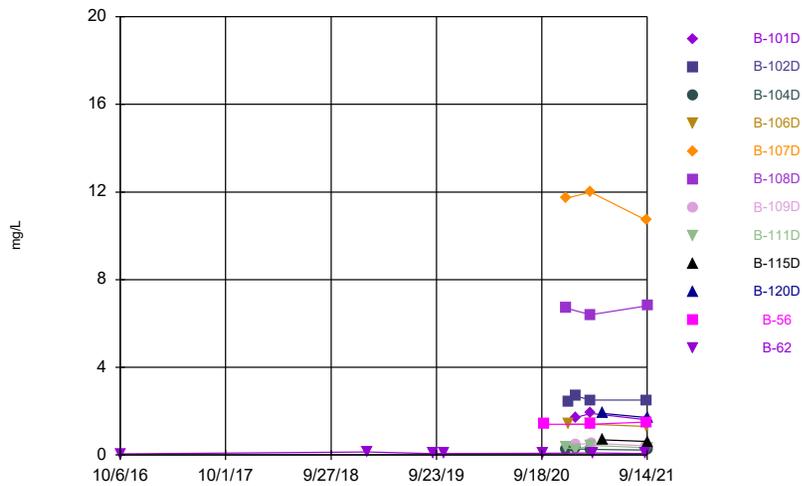
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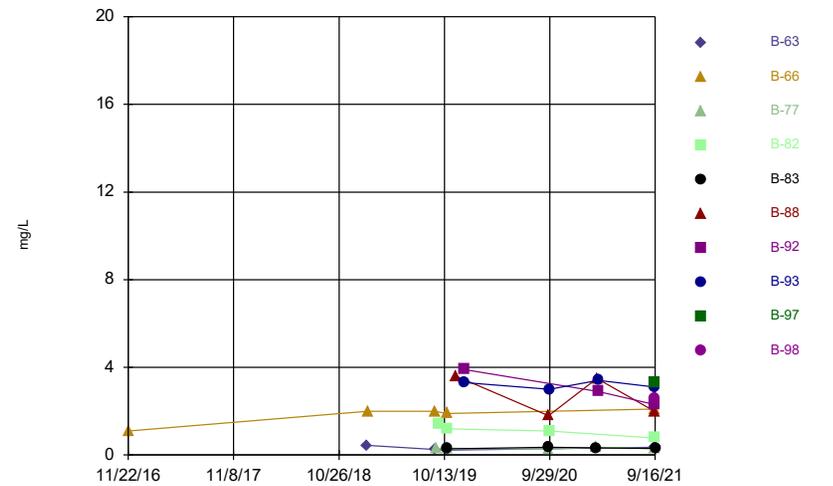
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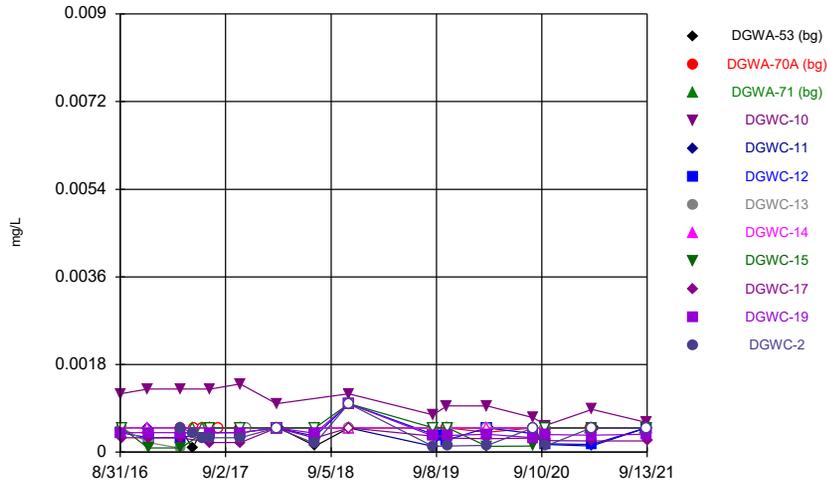
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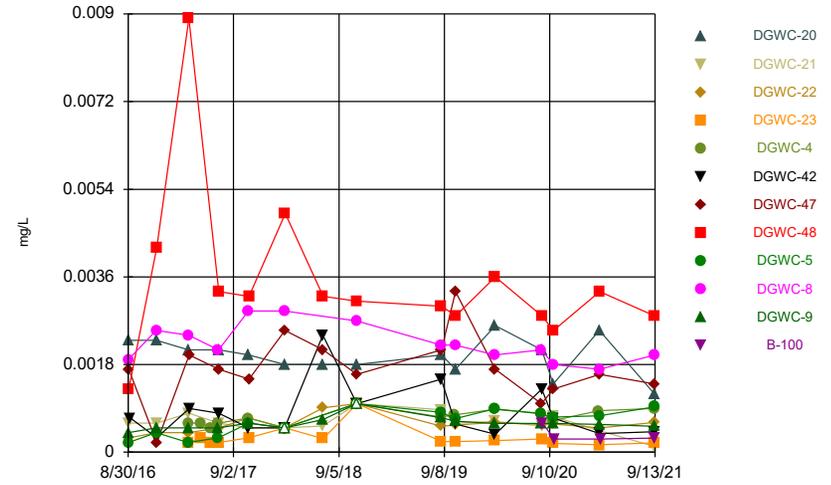
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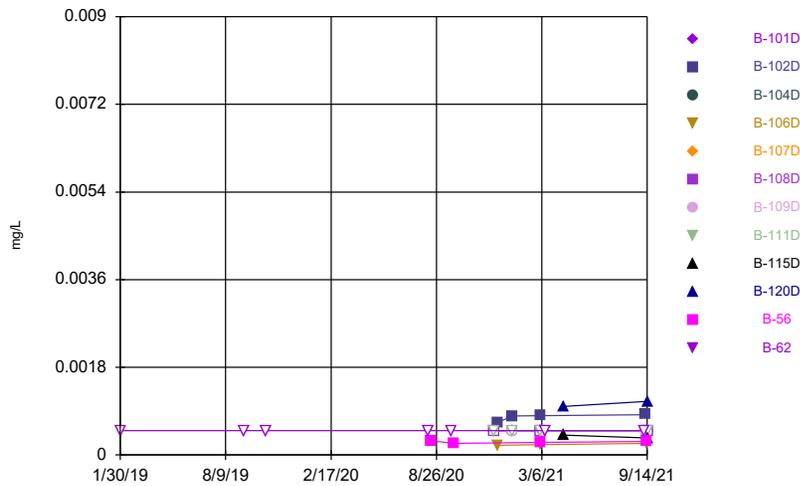
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



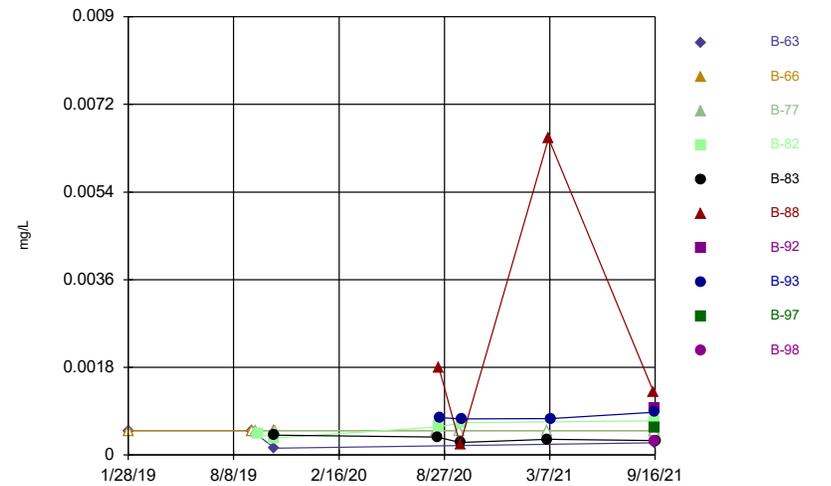
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



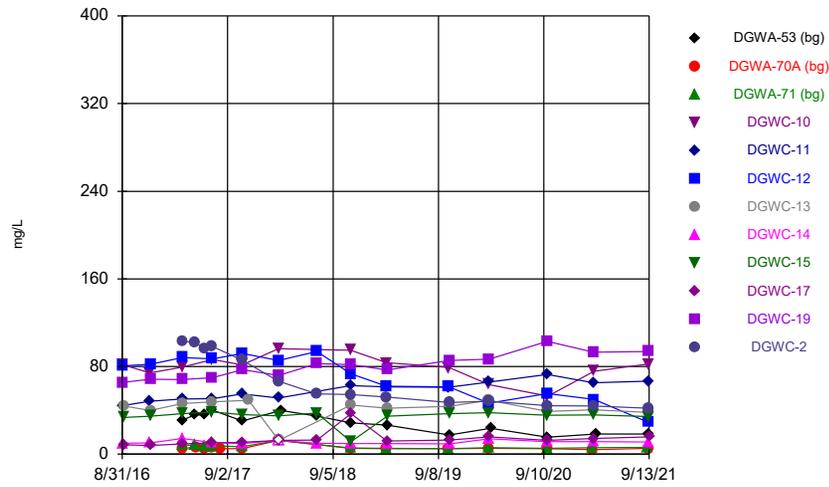
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



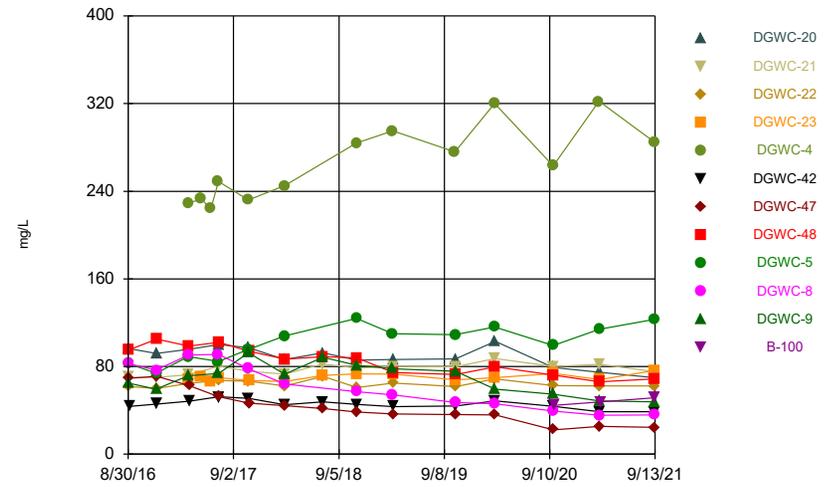
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



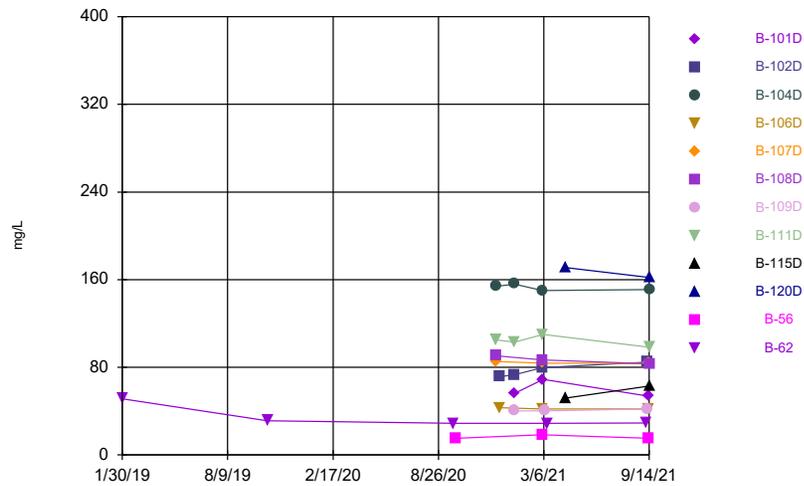
Constituent: Calcium, total Analysis Run 11/8/2021 1:00 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



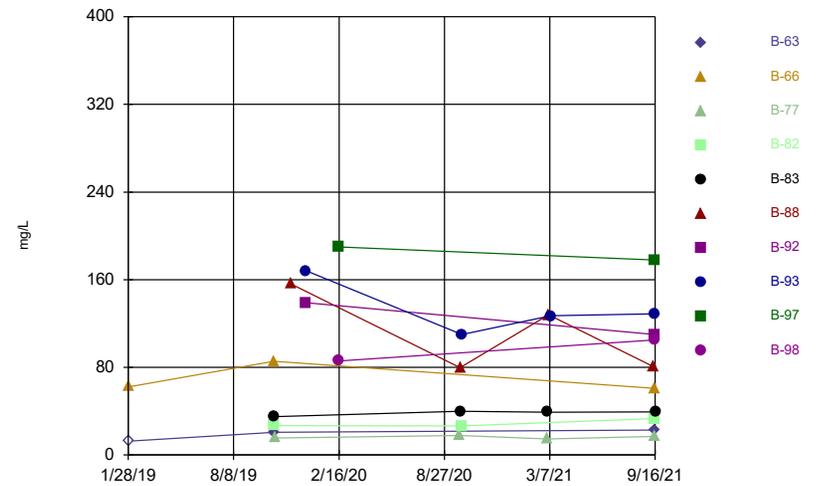
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



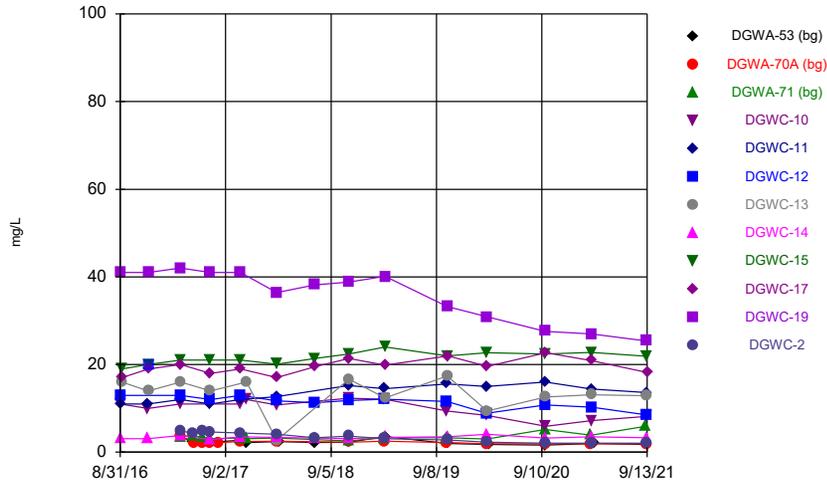
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



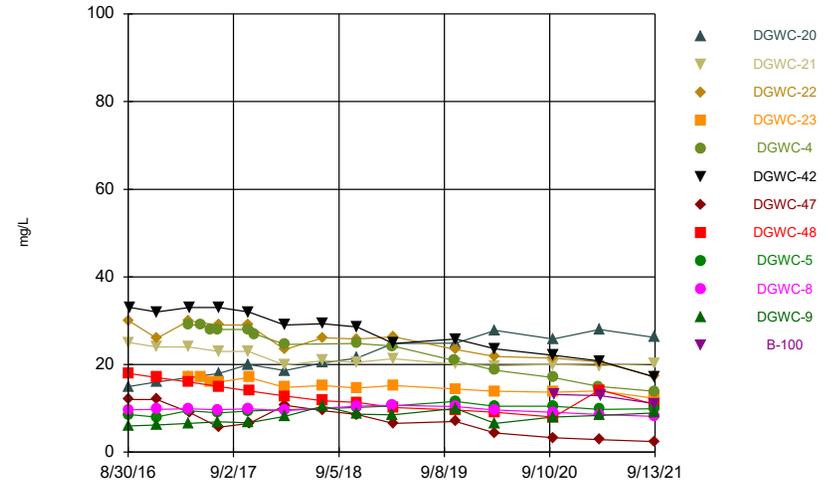
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



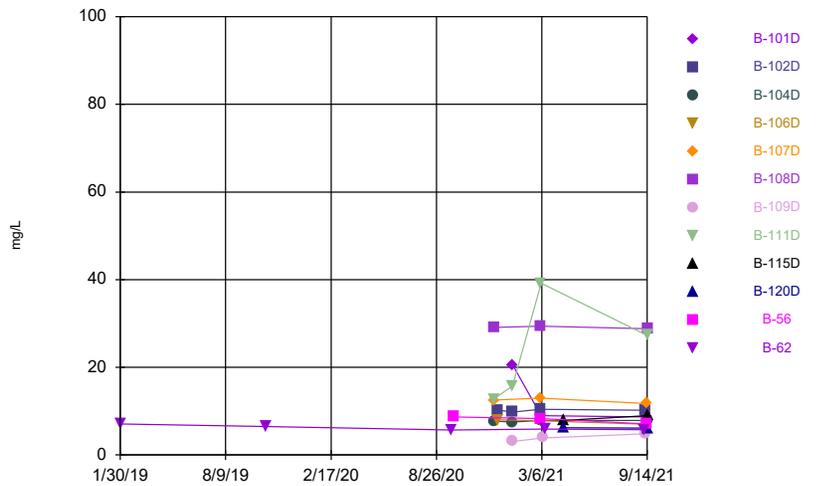
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



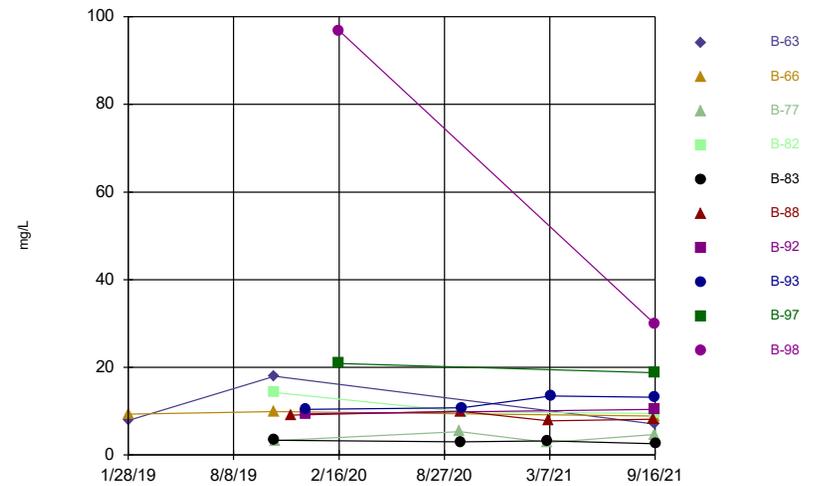
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



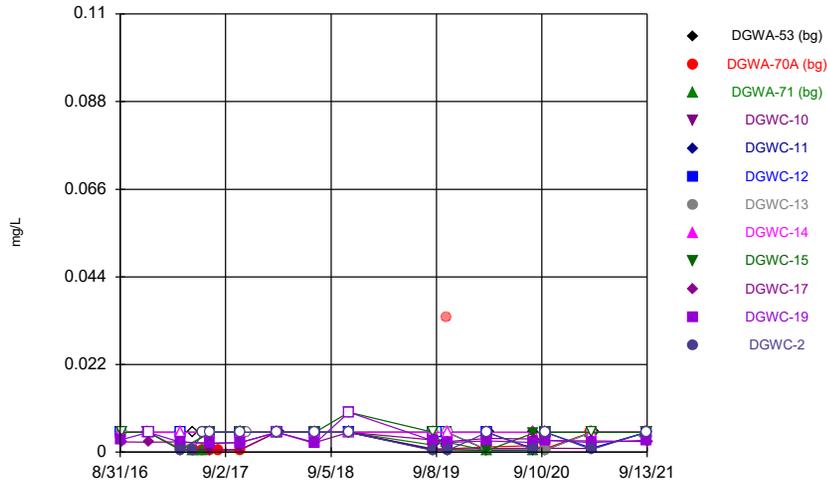
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



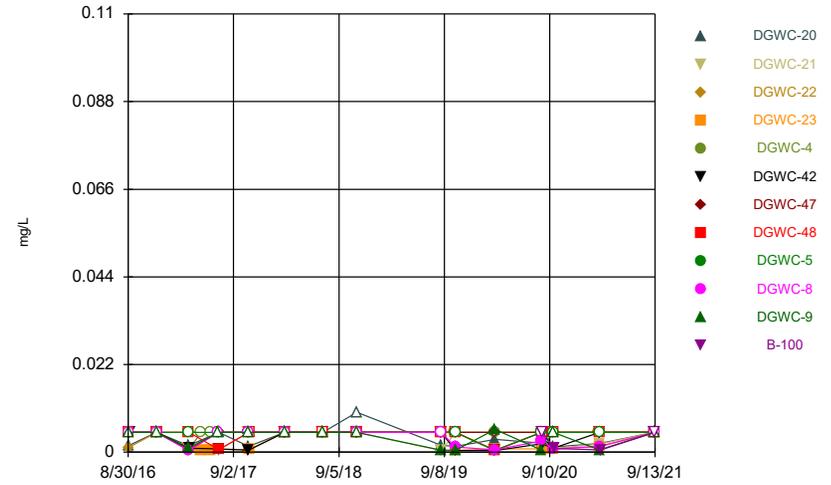
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Time Series



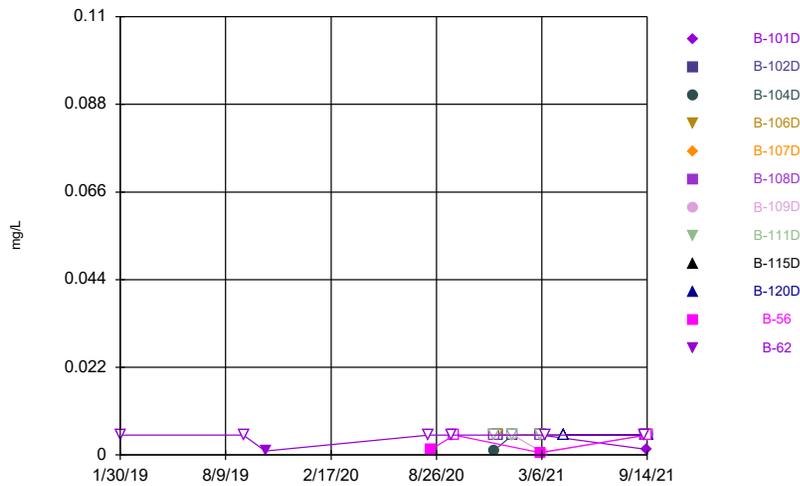
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



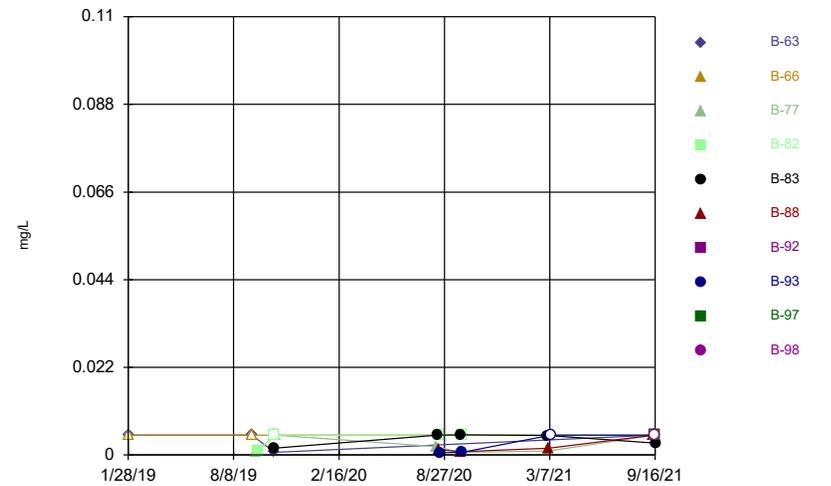
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



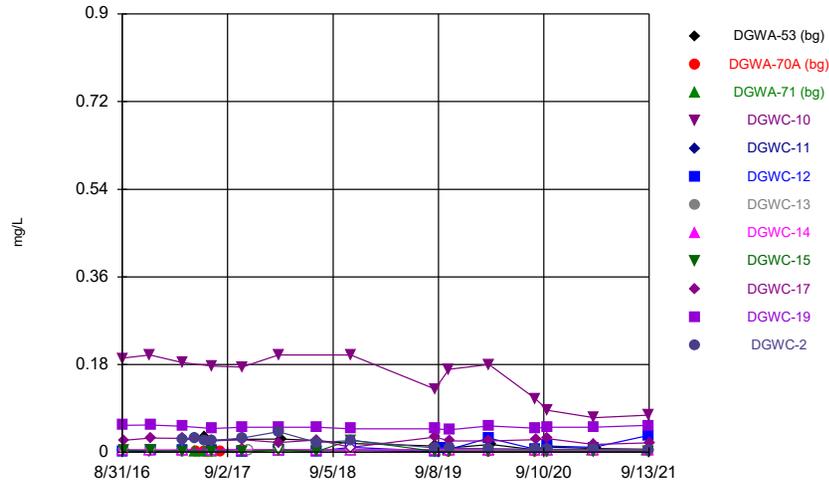
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



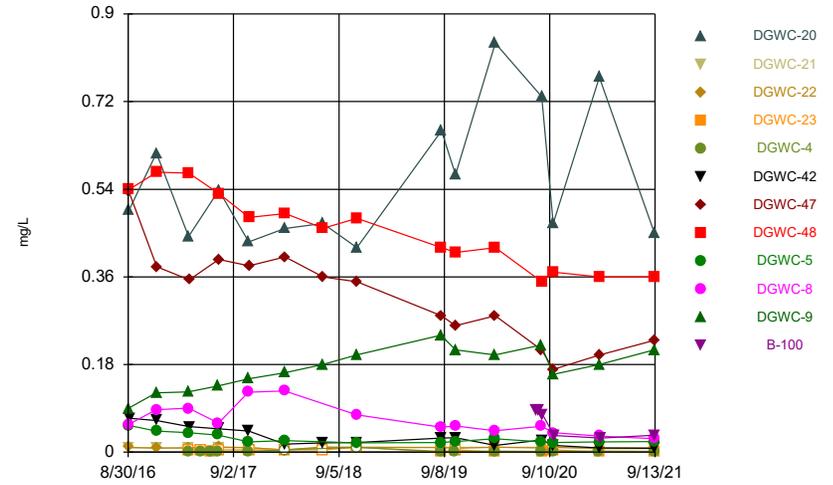
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



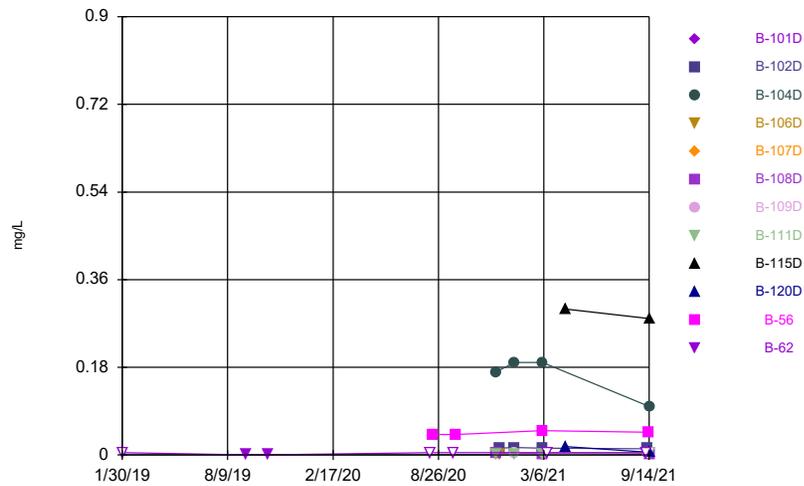
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



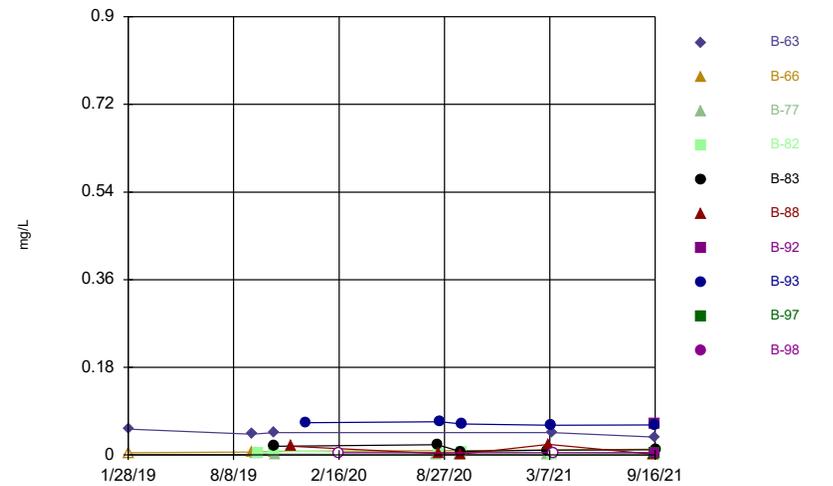
Constituent: Cobalt Analysis Run 11/8/2021 1:00 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



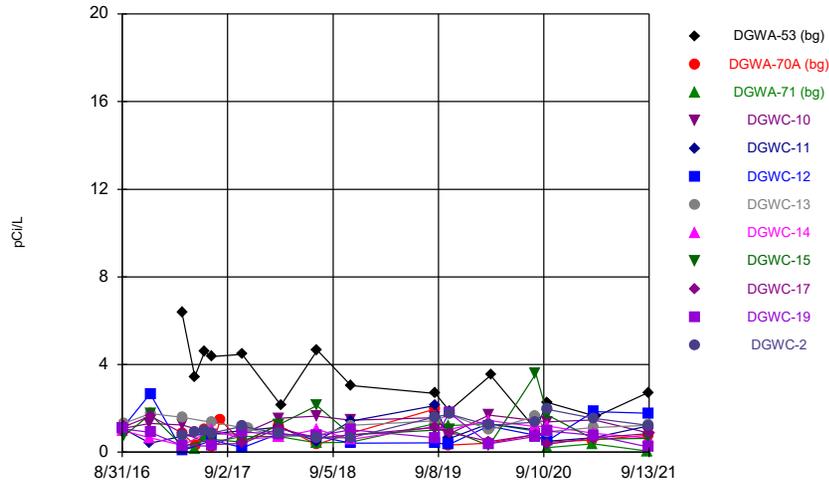
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



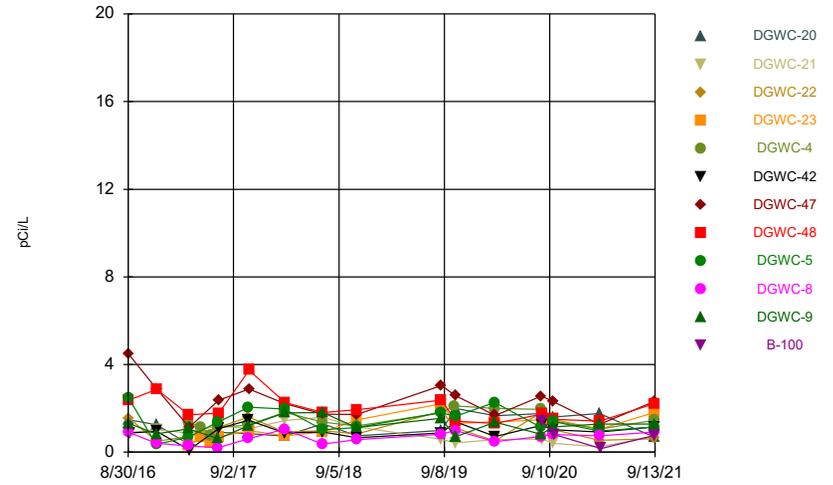
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



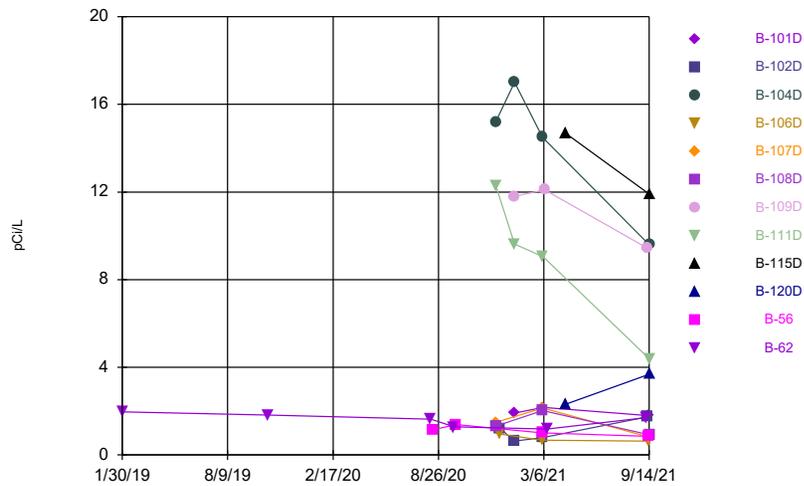
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 Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



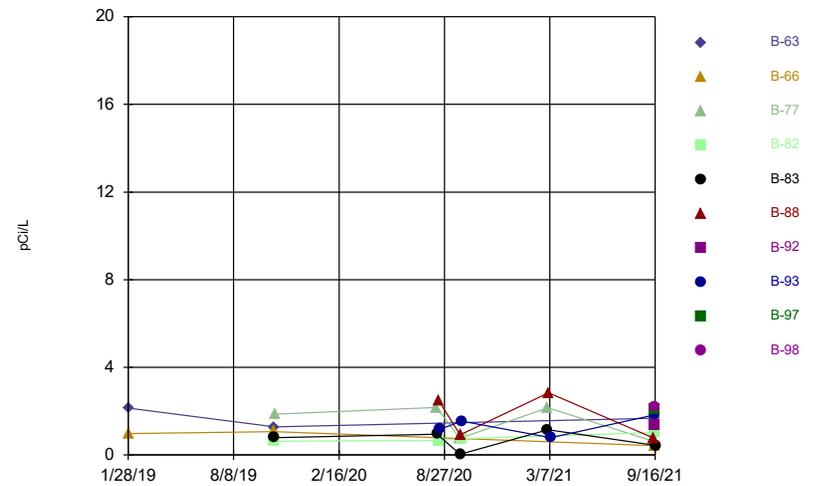
Constituent: Combined Radium 226 + 228 Analysis Run 11/8/2021 1:00 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



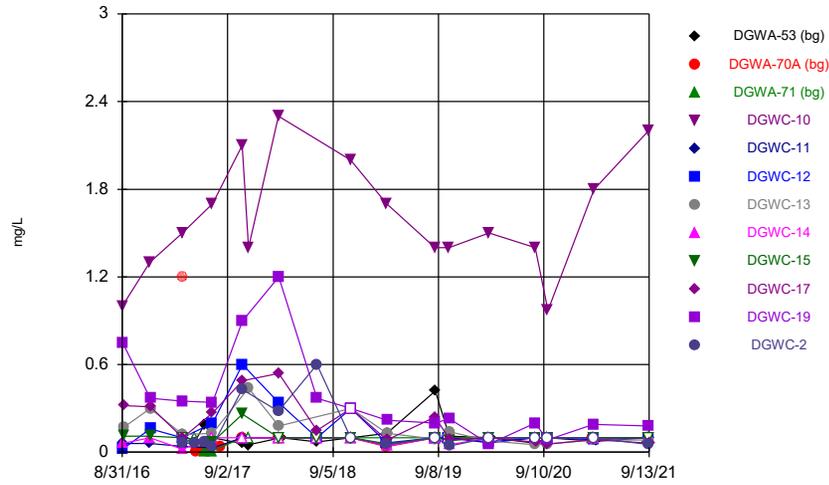
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 Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



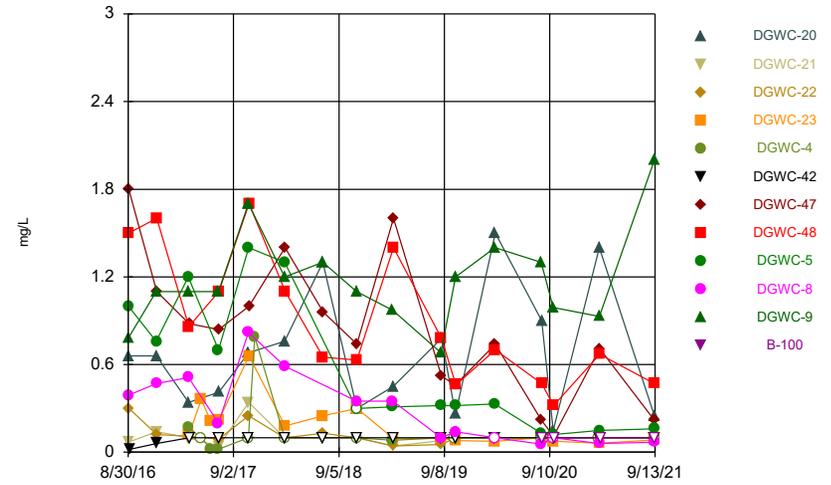
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Time Series



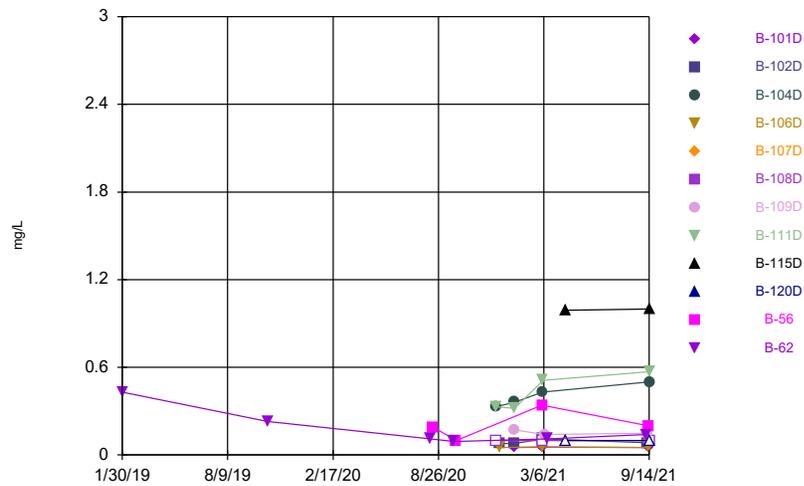
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



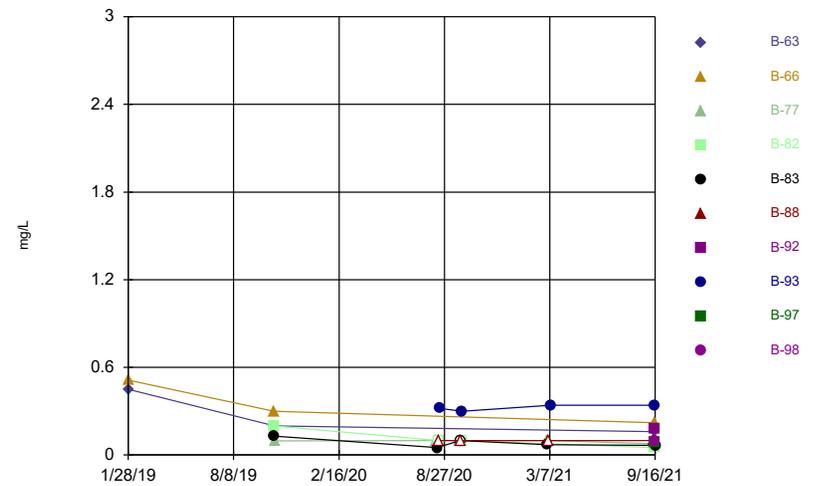
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Time Series



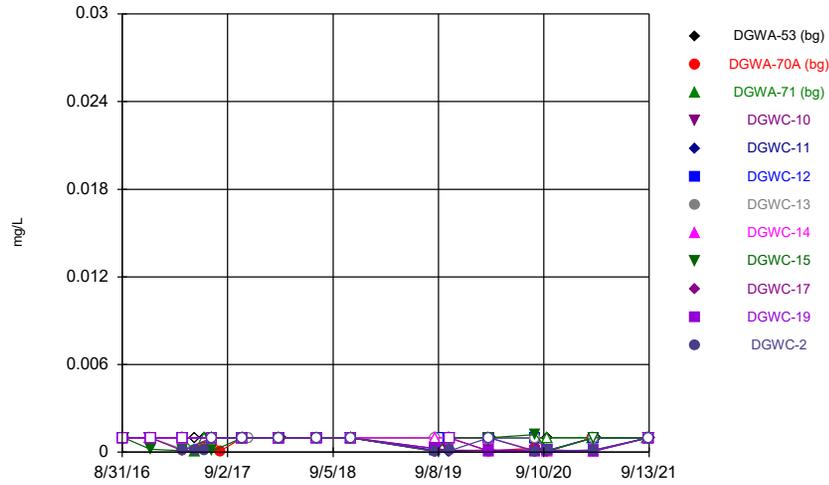
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Time Series



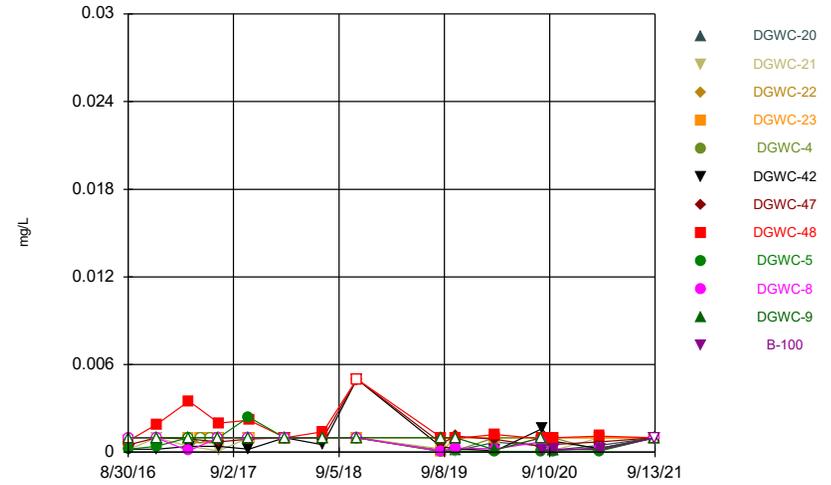
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



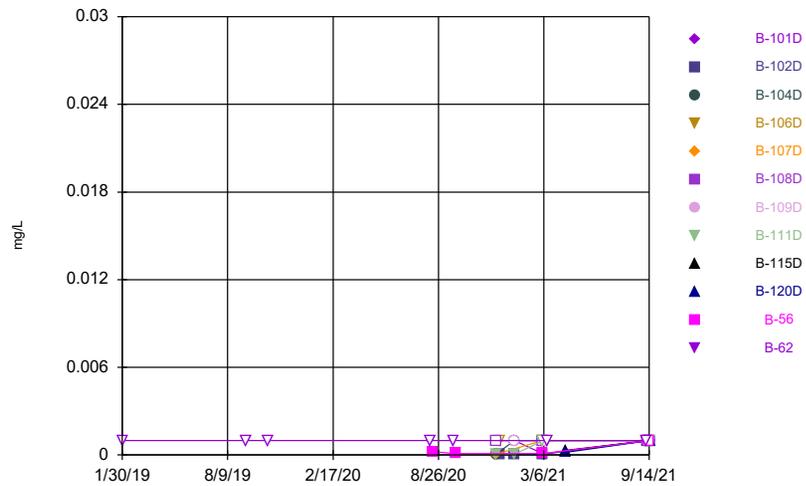
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Time Series



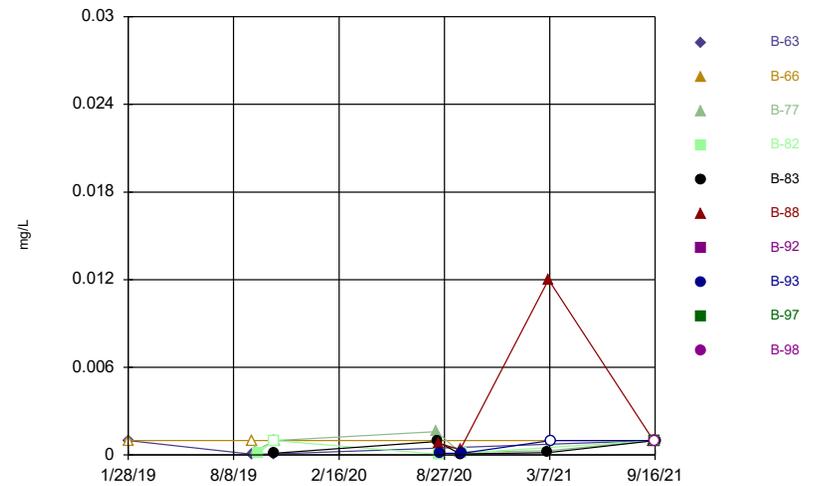
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



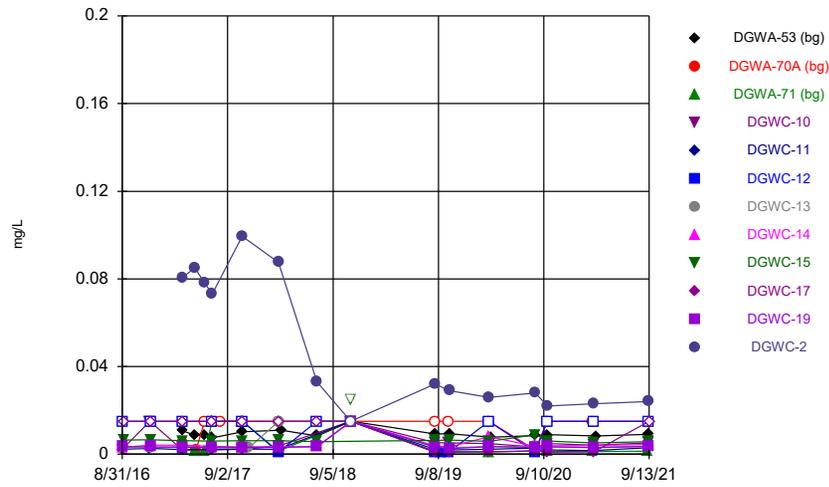
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



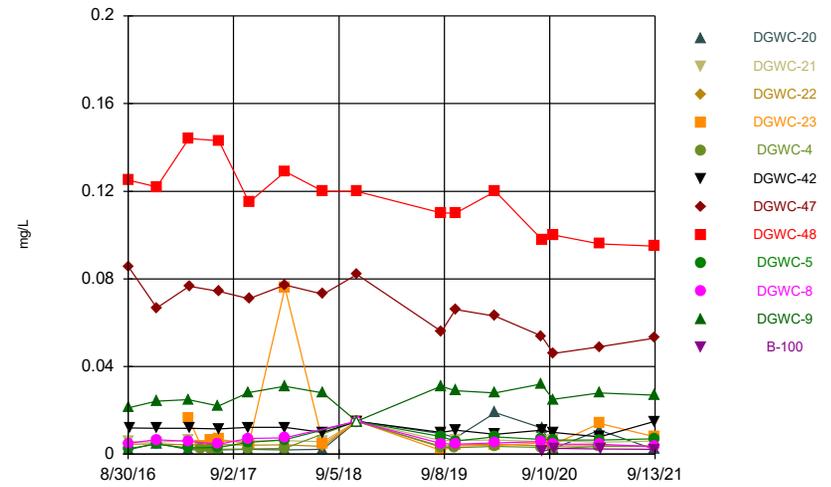
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



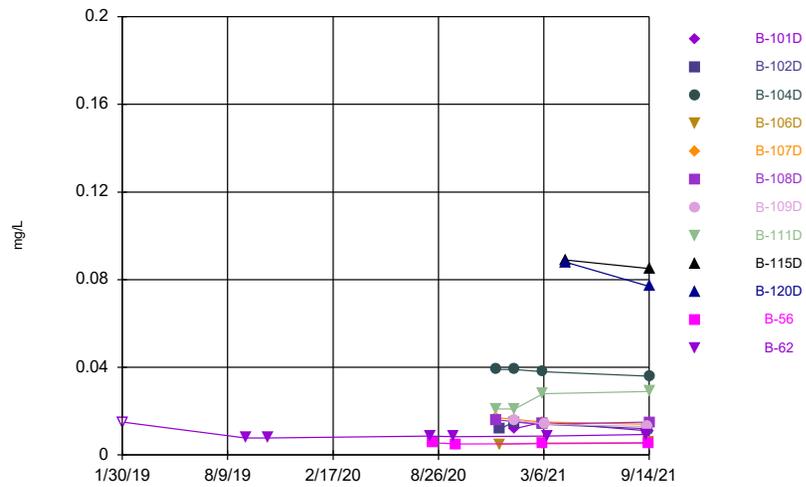
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



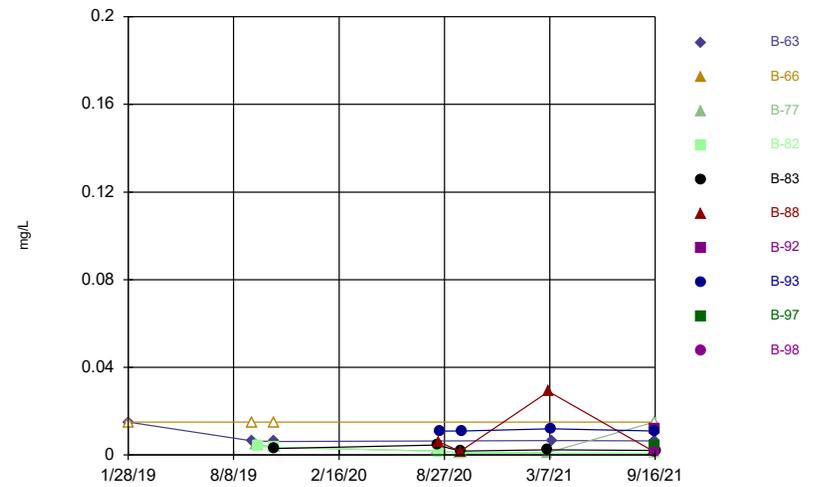
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



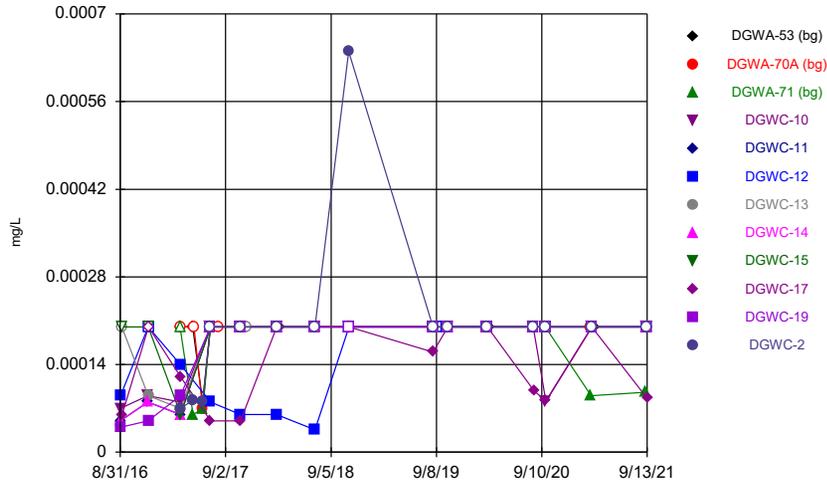
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Time Series



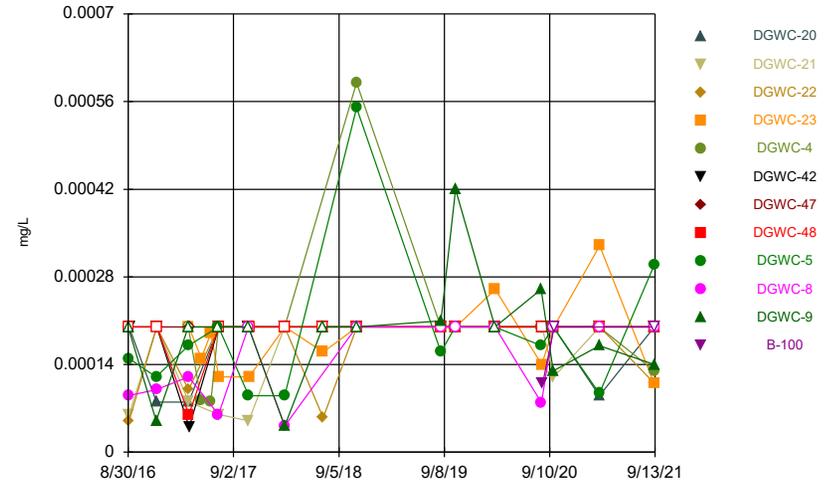
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



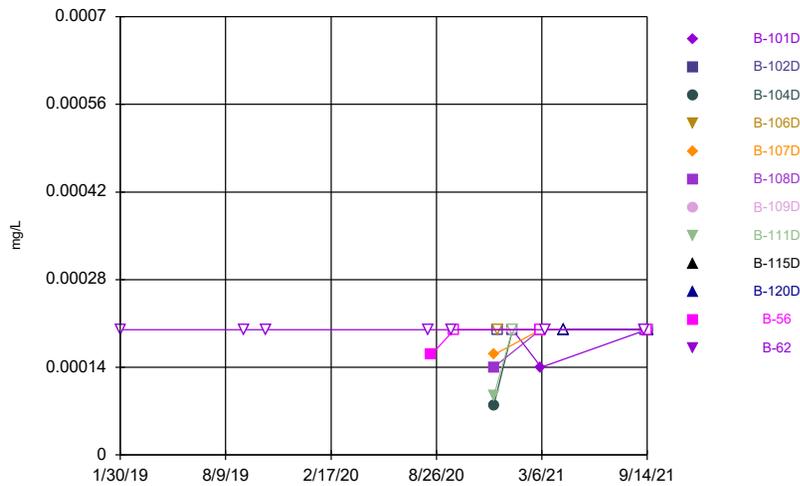
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



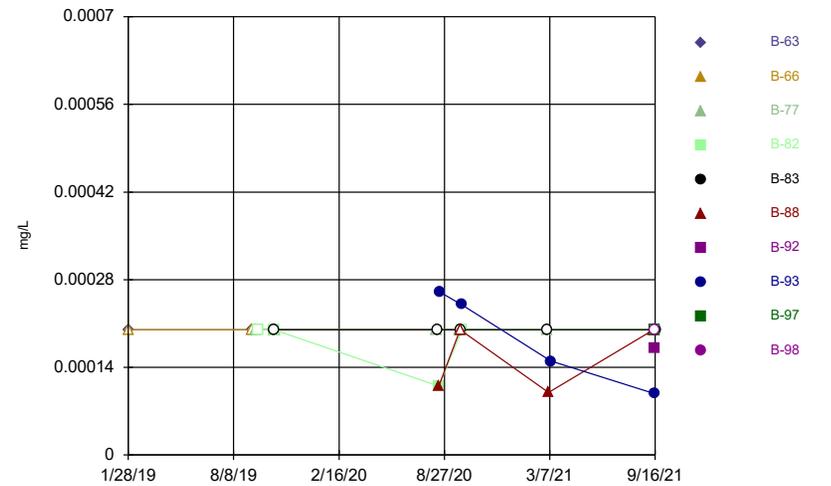
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



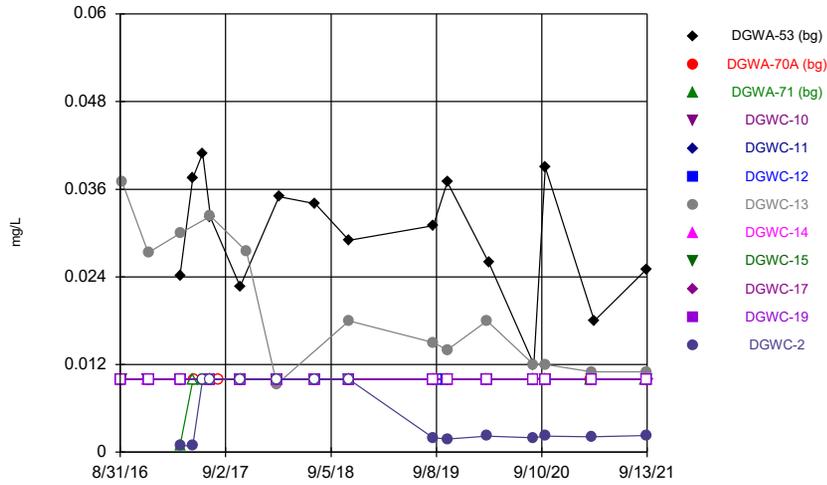
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



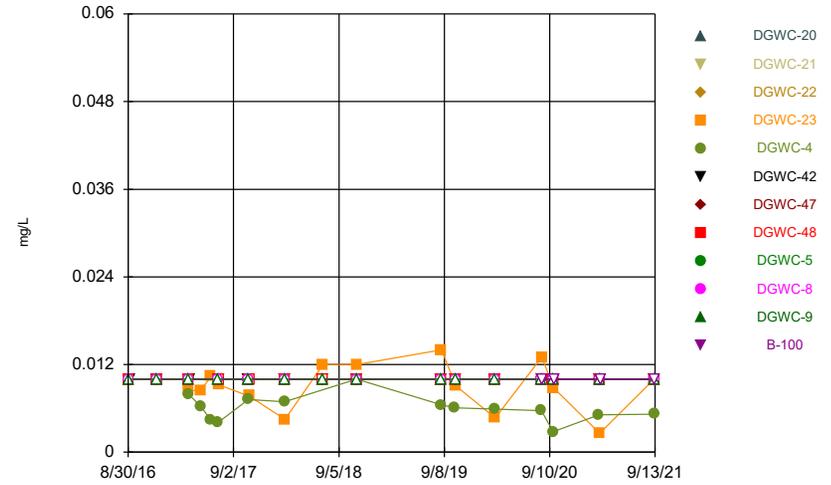
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



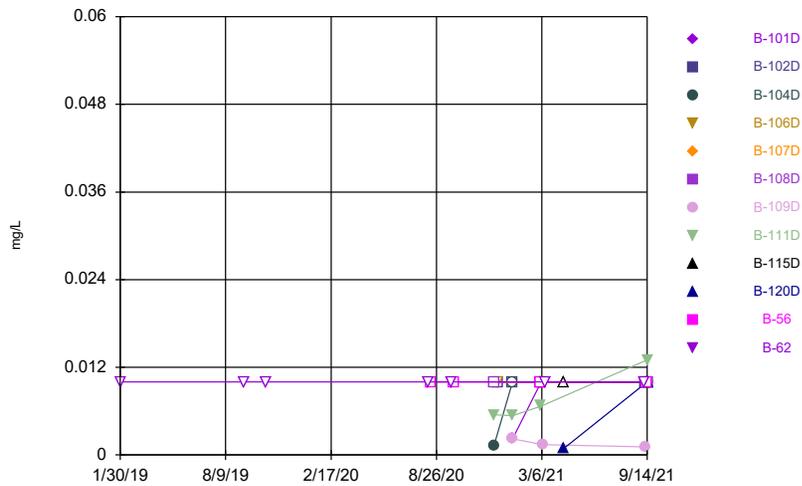
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Time Series



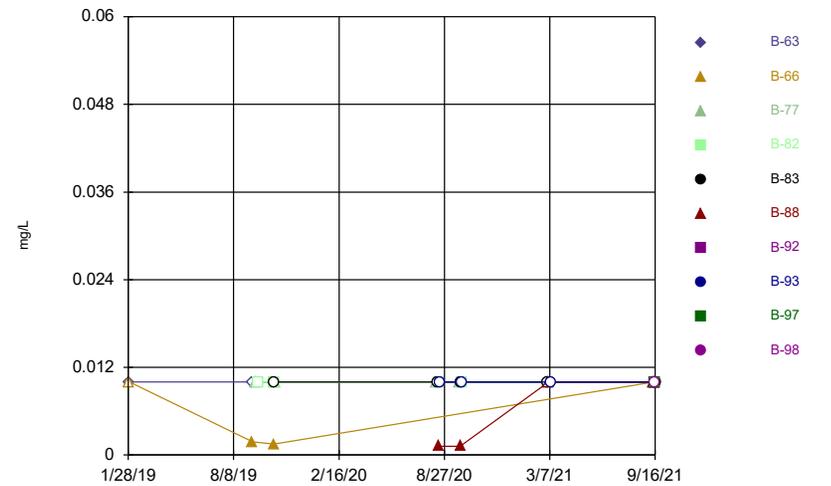
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



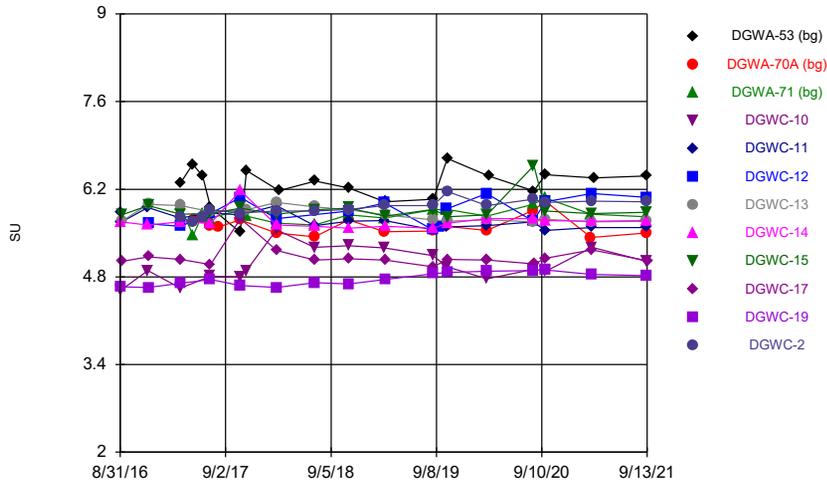
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



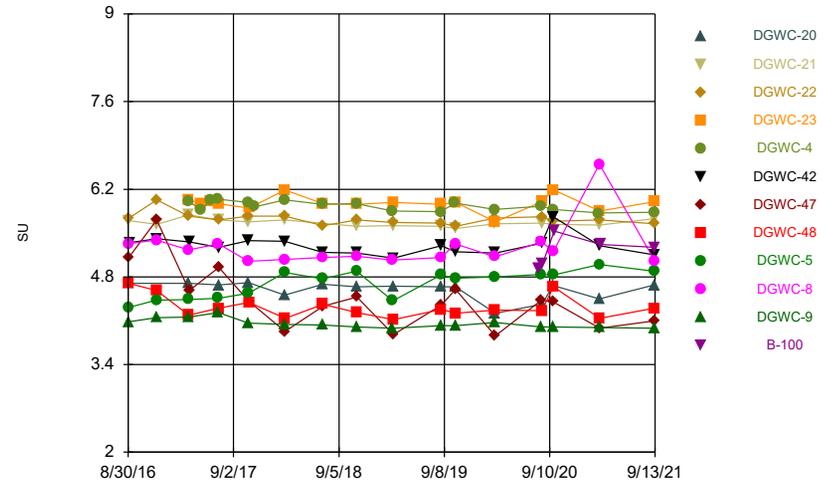
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



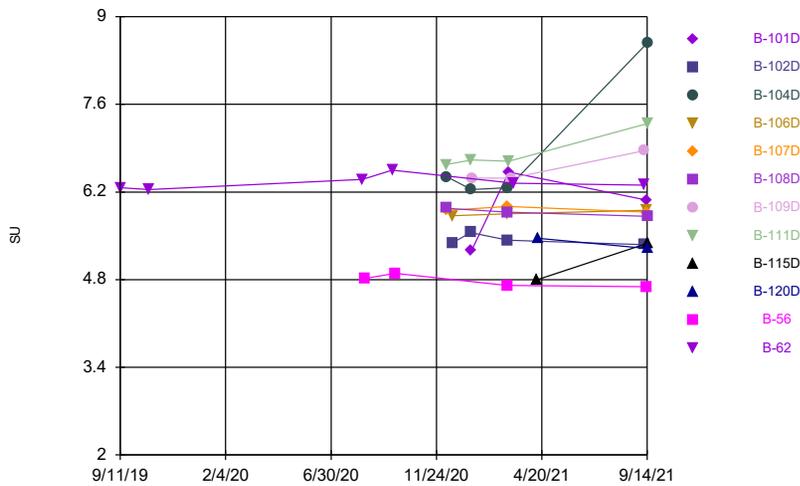
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



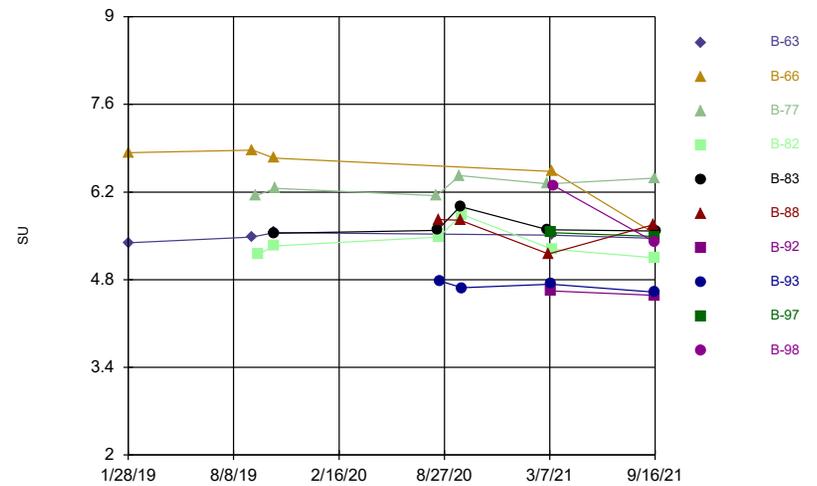
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



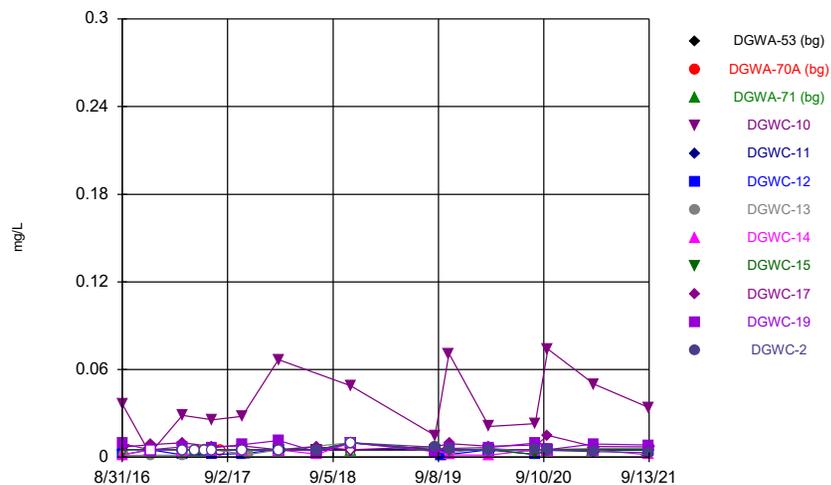
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Time Series



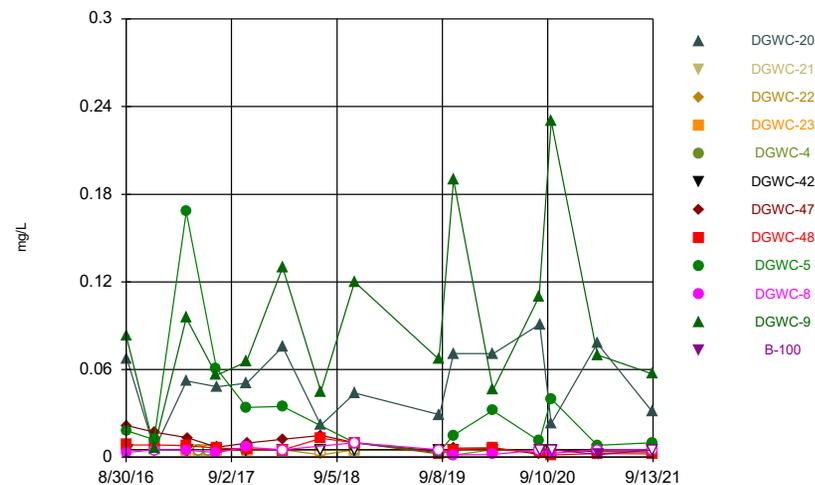
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Time Series



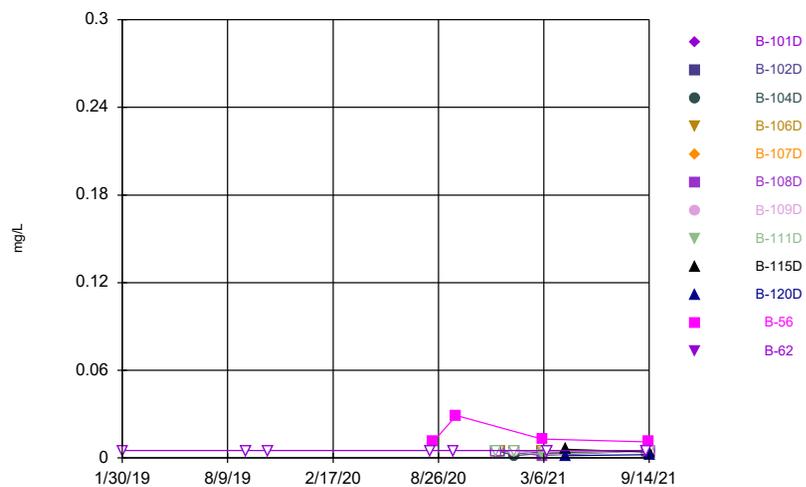
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Time Series



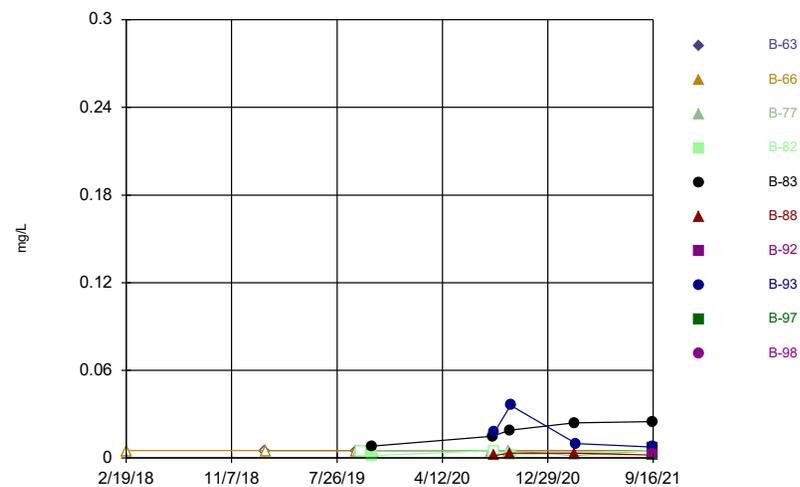
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Time Series



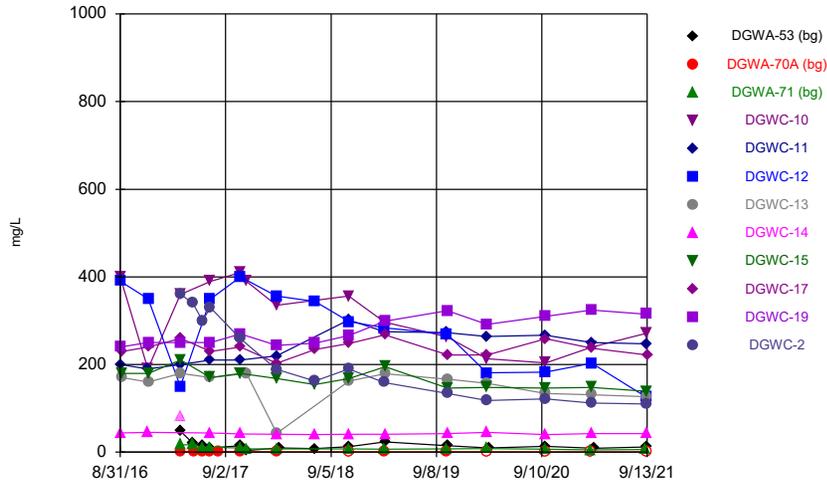
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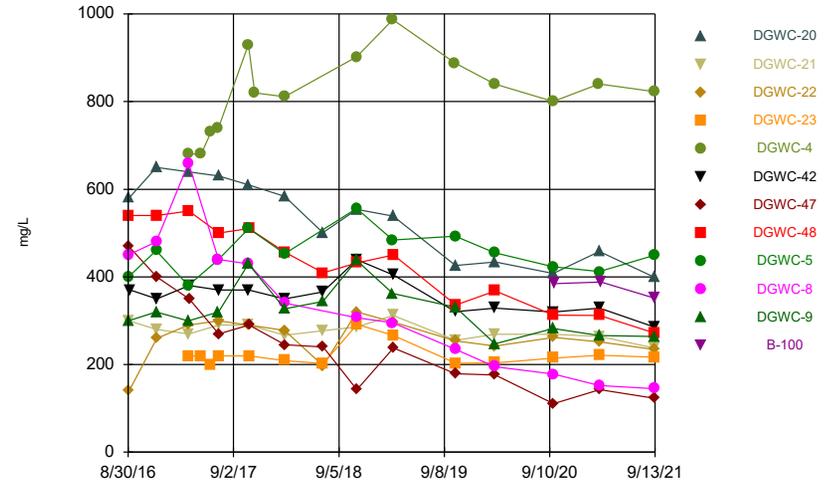
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Time Series



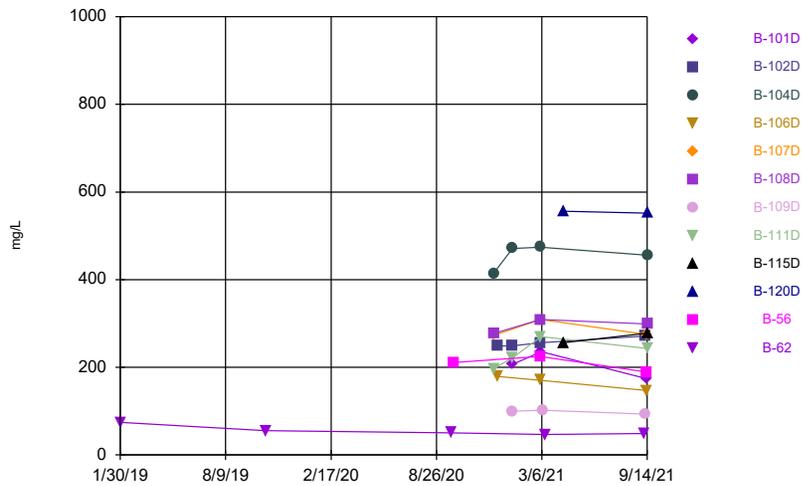
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Time Series



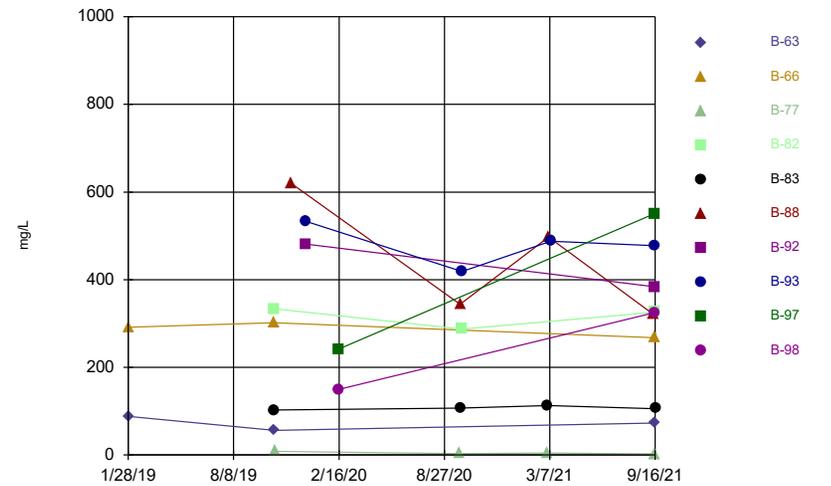
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Time Series



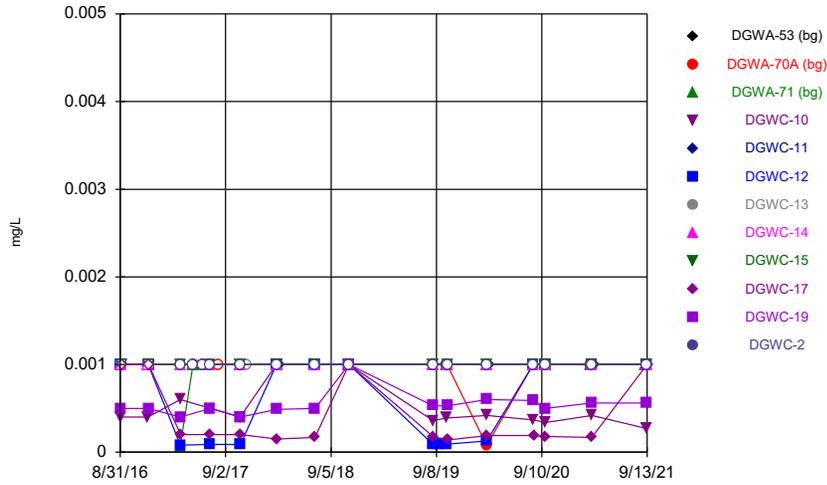
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Time Series



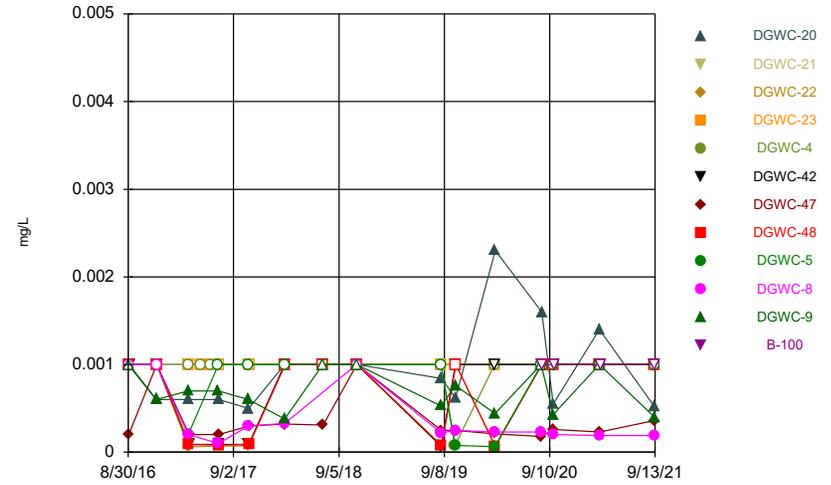
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



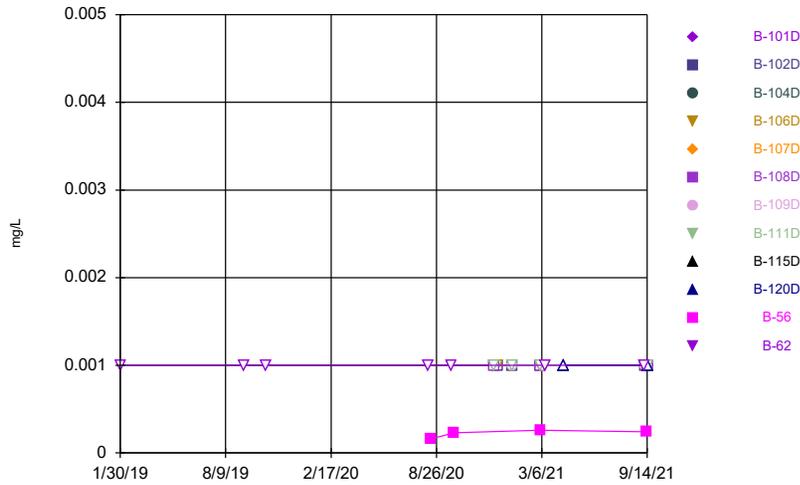
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Time Series



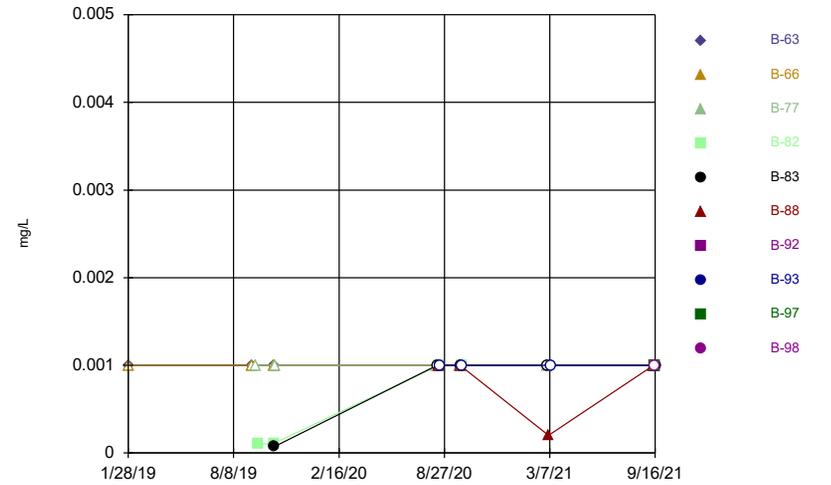
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Time Series



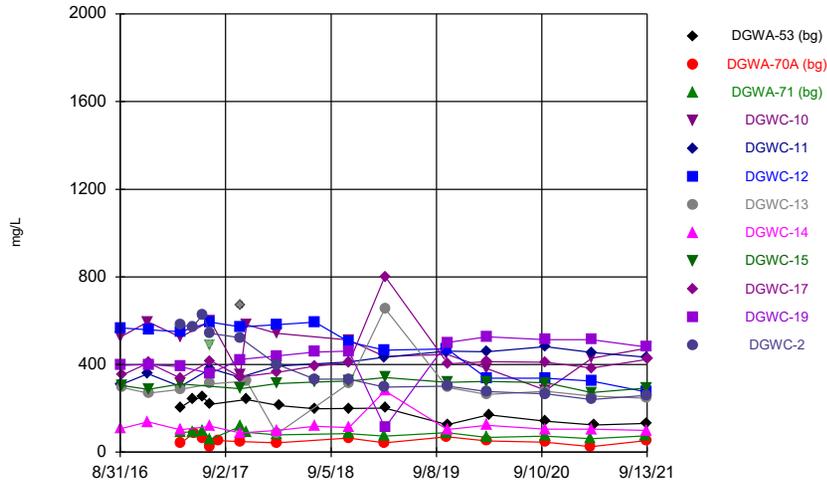
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Time Series



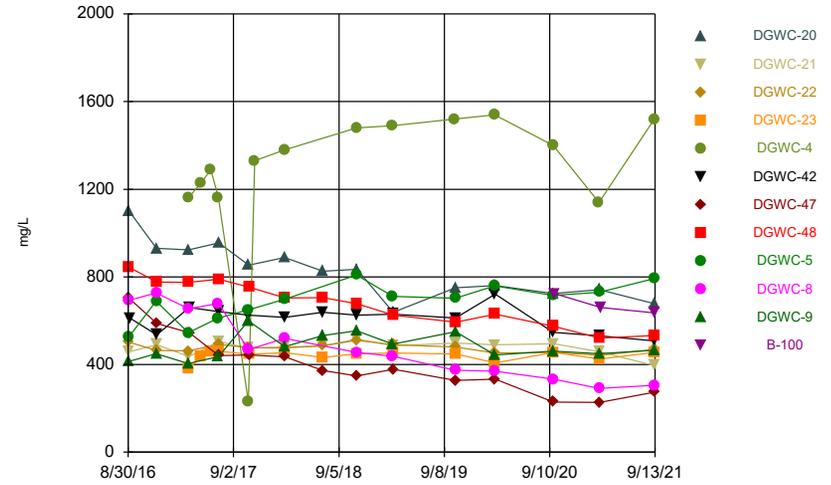
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Time Series



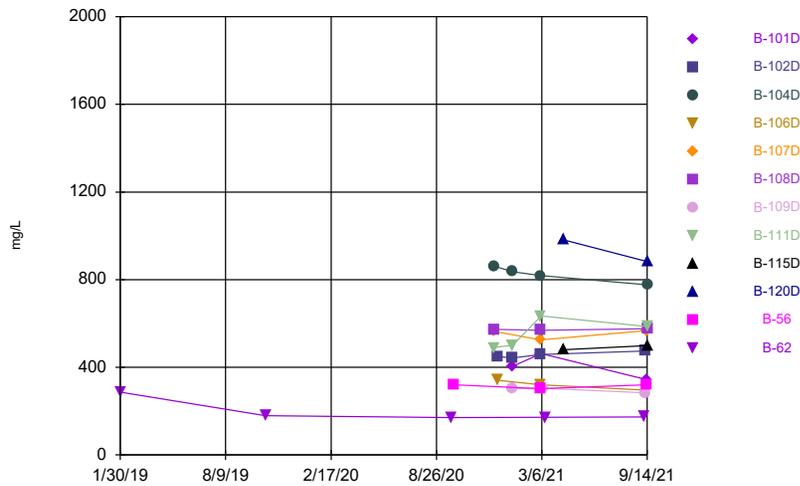
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



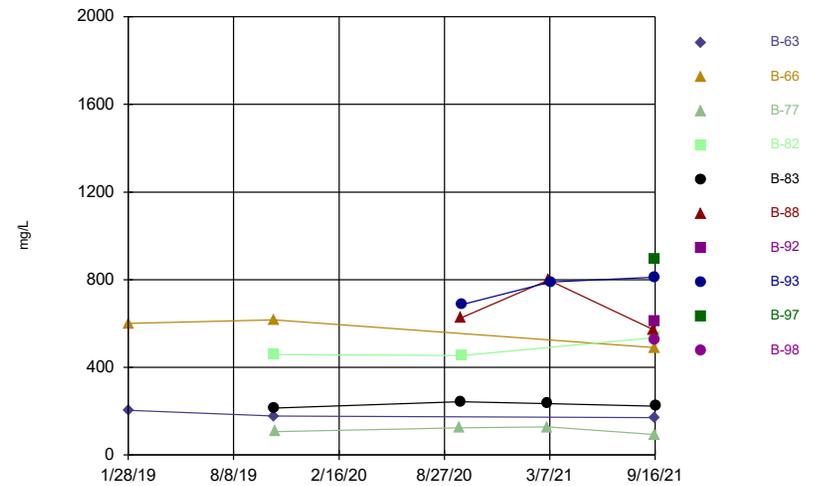
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 11/8/2021 1:01 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 11/8/2021 1:01 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-10	DGWC-11	DGWC-12	DGWC-13	DGWC-14	DGWC-15
8/31/2016				<0.003	<0.003			<0.003	
9/1/2016						<0.003			
9/6/2016							<0.003		<0.003
9/7/2016									
12/6/2016				<0.003	<0.003			<0.003	
12/7/2016						<0.003	<0.003		<0.003
12/8/2016									
3/28/2017	<0.003	<0.003	0.0007 (J)						
3/29/2017				<0.003	<0.003	<0.003		<0.003	
3/30/2017							<0.003		<0.003
5/11/2017	<0.003								
5/12/2017			<0.003						
5/15/2017		<0.003							
6/15/2017	0.0006 (J)	<0.003							
6/16/2017			0.0007 (J)						
7/11/2017		<0.003	<0.003						
7/12/2017	<0.003			<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
8/8/2017		<0.003							
10/24/2017	<0.003	<0.003	<0.003	<0.003	<0.003				
10/25/2017						<0.003		<0.003	<0.003
11/15/2017							<0.003		
2/27/2018		<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	
2/28/2018							<0.003		<0.003
3/8/2018	<0.003								
7/11/2018						<0.003		<0.003	<0.003
7/12/2018	<0.003								
11/6/2018		<0.003	<0.003	<0.003	<0.003				
11/7/2018	<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						<0.003		0.00033 (J)
9/17/2019						<0.003			
10/15/2019		<0.003	<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									
3/2/2020		<0.003	0.0018 (J)		<0.003	0.0003 (J)			
3/3/2020				<0.003			<0.003	<0.003	<0.003
3/4/2020									
3/9/2020	<0.003								
8/11/2020		0.0013 (J)	0.0018 (J)	<0.003	<0.003	<0.003		<0.003	
8/12/2020							<0.003		
8/13/2020	0.0003 (J)								0.00073 (J)
8/14/2020									
9/22/2020	<0.003	<0.003	<0.003		<0.003	<0.003		0.0011 (J)	
9/23/2020							<0.003		<0.003
9/24/2020				<0.003					
3/1/2021		<0.003	0.0019 (J)						
3/2/2021					<0.003		<0.003	<0.003	<0.003
3/3/2021						<0.003			
3/4/2021				<0.003					
3/12/2021	<0.003								
9/8/2021			<0.003						

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		<0.003	
9/6/2016			
9/7/2016	<0.003		
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			
5/15/2017			
6/15/2017			0.0006 (J)
6/16/2017			
7/11/2017			<0.003
7/12/2017	<0.003	<0.003	
8/8/2017			
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	
3/8/2018			
7/11/2018	<0.003	<0.003	<0.003
7/12/2018			
11/6/2018			<0.003
11/7/2018	<0.003	<0.003	
8/27/2019	<0.003		<0.003
8/28/2019		<0.003	
9/17/2019			
10/15/2019			
10/16/2019		<0.003	
10/17/2019			<0.003
10/18/2019	<0.003		
3/2/2020			
3/3/2020		<0.003	<0.003
3/4/2020	<0.003		
3/9/2020			
8/11/2020		<0.003	<0.003
8/12/2020			
8/13/2020			
8/14/2020	<0.003		
9/22/2020		0.00036 (J)	
9/23/2020			<0.003
9/24/2020	0.00045 (J)		
3/1/2021			
3/2/2021		<0.003	<0.003
3/3/2021	<0.003		
3/4/2021			
3/12/2021			
9/8/2021			

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
9/9/2021		<0.003	<0.003
9/10/2021			
9/13/2021	<0.003		

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
9/9/2021		<0.003		<0.003					
9/10/2021	<0.003		<0.003		<0.003		<0.003	0.0018 (J)	<0.003
9/13/2021						<0.003			

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	<0.003	<0.003	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	<0.003	<0.003	
12/7/2016			
12/8/2016			
3/28/2017		<0.003	
3/29/2017	<0.003		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	<0.003	<0.003	
7/12/2017			
7/13/2017			
10/24/2017	<0.003	<0.003	
10/25/2017			
10/26/2017			
2/27/2018	<0.003	<0.003	
2/28/2018			
3/1/2018			
3/2/2018			
7/11/2018		<0.003	
7/12/2018			
11/6/2018	<0.003	<0.003	
11/7/2018			
11/8/2018			
8/27/2019		<0.003	
8/28/2019	<0.003		
8/29/2019			
10/15/2019			
10/16/2019	<0.003		
10/17/2019		<0.003	
10/18/2019			
3/2/2020			
3/3/2020	<0.003	<0.003	
3/4/2020			
8/11/2020		<0.003	
8/12/2020	<0.003		
8/13/2020			
8/14/2020			
8/17/2020			0.0013 (J)
9/22/2020		<0.003	
9/23/2020	<0.003		
9/24/2020			
9/25/2020			<0.003
3/1/2021			
3/2/2021	0.00046 (J)	<0.003	
3/3/2021			
3/8/2021			0.0017 (J)

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
9/9/2021			
9/10/2021		<0.003	
9/13/2021	<0.003		<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
1/30/2019									
9/11/2019									
10/21/2019									
8/13/2020									
8/17/2020									
9/24/2020									
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	
1/13/2021							0.00042 (J)		
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							0.00084 (J)		
3/12/2021									
4/14/2021									<0.003
4/15/2021									
9/9/2021									
9/10/2021		<0.003					0.004		
9/13/2021	0.001 (J)			<0.003	<0.003				
9/14/2021			<0.003			<0.003		<0.003	<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	B-120D	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)
9/28/2020		<0.003	
12/9/2020			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		<0.003	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			<0.003
4/14/2021			
4/15/2021	0.00029 (J)		
9/9/2021			<0.003
9/10/2021			
9/13/2021		<0.003	
9/14/2021	<0.003		

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/8/2021 1:03 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
1/28/2019	<0.003								
1/30/2019		<0.003							
9/11/2019	<0.003								
9/12/2019		<0.003							
9/18/2019			<0.003						
9/23/2019				<0.003					
10/21/2019		<0.003		<0.003	<0.003				
10/22/2019	0.00066 (J)								
10/24/2019			<0.003						
8/13/2020			0.00043 (J)						
8/14/2020					<0.003				
8/17/2020				<0.003		<0.003			
8/19/2020								<0.003	
9/24/2020			0.00036 (J)						
9/25/2020					<0.003	<0.003			
9/28/2020				<0.003				0.0014 (J)	
3/4/2021			0.00063 (J)		<0.003				
3/5/2021						<0.003			
3/9/2021								<0.003	
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				

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-98

1/28/2019
1/30/2019
9/11/2019
9/12/2019
9/18/2019
9/23/2019
10/21/2019
10/22/2019
10/24/2019
8/13/2020
8/14/2020
8/17/2020
8/19/2020
9/24/2020
9/25/2020
9/28/2020
3/4/2021
3/5/2021
3/9/2021
9/13/2021
9/14/2021
9/15/2021
9/16/2021

<0.003

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-10	DGWC-11	DGWC-12	DGWC-13	DGWC-14	DGWC-15
8/31/2016				0.0058	<0.005			<0.005	
9/1/2016						<0.005			
9/6/2016							<0.005		<0.005
9/7/2016									
12/6/2016				0.0017 (J)	<0.005			<0.005	
12/7/2016						<0.005	<0.005		<0.005
12/8/2016									
3/28/2017	0.0005 (J)	<0.005	<0.005						
3/29/2017				0.0055	<0.005	<0.005		<0.005	
3/30/2017							<0.005		0.0006 (J)
5/11/2017	0.0005 (J)								
5/12/2017			0.0004 (J)						
5/15/2017		<0.005							
6/15/2017	<0.005	<0.005							
6/16/2017			<0.005						
7/11/2017		<0.005	<0.005						
7/12/2017	<0.005			0.0042 (J)	<0.005	<0.005	<0.005	<0.005	<0.005
8/8/2017		<0.005							
10/24/2017	<0.005	<0.005	<0.005	0.0058	<0.005				
10/25/2017						0.0006 (J)		<0.005	<0.005
11/15/2017							<0.005		
2/27/2018		<0.005	<0.005	0.0105	<0.005	<0.005		<0.005	
2/28/2018							<0.005		<0.005
3/8/2018	<0.005								
7/11/2018						<0.005		<0.005	<0.005
7/12/2018	<0.005								
11/6/2018		<0.005	<0.005	<0.005 (J)	<0.005				
11/7/2018	<0.005 (J)					<0.005	<0.005	<0.005	<0.005
8/27/2019		<0.005	<0.005	0.0024 (J)	<0.005	<0.005		<0.005	
8/28/2019	<0.005						<0.005		<0.005
9/17/2019						<0.005			
10/15/2019		0.00052 (J)	0.00071 (J)	0.0078	<0.005	0.00063 (J)			
10/16/2019	0.0018 (J)						<0.005	0.00039 (J)	
10/17/2019									0.00064 (J)
10/18/2019									
3/2/2020		<0.005	<0.005		<0.005	<0.005			
3/3/2020				0.0025 (J)			<0.005	<0.005	<0.005
3/4/2020									
3/9/2020	0.00068 (J)								
8/11/2020		<0.005	<0.005	0.0028 (J)	<0.005	<0.005		<0.005	
8/12/2020							<0.005		
8/13/2020	<0.005								0.0013 (J)
8/14/2020									
9/22/2020	0.00093 (J)	<0.005	<0.005		<0.005	<0.005		<0.005	
9/23/2020							<0.005		<0.005
9/24/2020				0.0078					
3/1/2021		<0.005	<0.005						
3/2/2021					<0.005		<0.005	<0.005	<0.005
3/3/2021						<0.005			
3/4/2021				0.006					
3/12/2021	<0.005								
9/8/2021			<0.005						

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Constituent: Arsenic (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		0.0022 (J)	
9/6/2016			
9/7/2016	<0.005		
12/6/2016			
12/7/2016		<0.005	
12/8/2016	<0.005		
3/28/2017			
3/29/2017		0.002 (J)	
3/30/2017	0.0008 (J)		<0.005
5/11/2017			<0.005
5/12/2017			
5/15/2017			
6/15/2017			<0.005
6/16/2017			
7/11/2017			<0.005
7/12/2017	<0.005	0.0016 (J)	
8/8/2017			
10/24/2017			<0.005
10/25/2017	0.0007 (J)	0.0022 (J)	
11/15/2017			
2/27/2018			<0.005
2/28/2018	0.00073 (J)	0.0028 (J)	
3/8/2018			
7/11/2018	<0.005	0.0009 (J)	<0.005
7/12/2018			
11/6/2018			<0.005
11/7/2018	<0.005	<0.005 (J)	
8/27/2019	<0.005		0.00099 (J)
8/28/2019		0.00049 (J)	
9/17/2019			
10/15/2019			
10/16/2019		0.00046 (J)	
10/17/2019			<0.005
10/18/2019	0.0012 (J)		
3/2/2020			
3/3/2020		<0.005	0.0025 (J)
3/4/2020	0.0014 (J)		
3/9/2020			
8/11/2020		0.0014 (J)	<0.005
8/12/2020			
8/13/2020			
8/14/2020	<0.005		
9/22/2020		0.0017 (J)	
9/23/2020			<0.005
9/24/2020	0.0011 (J)		
3/1/2021			
3/2/2021		0.0013 (J)	<0.005
3/3/2021	<0.005		
3/4/2021			
3/12/2021			
9/8/2021			

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Constituent: Arsenic (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
9/9/2021		0.0027 (J)	<0.005
9/10/2021			
9/13/2021	<0.005		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
8/30/2016									
8/31/2016									0.0035 (J)
9/1/2016							0.0037 (J)	<0.005	
9/2/2016	0.0159	<0.005	<0.005						
9/7/2016						<0.005			
12/6/2016									0.0032 (J)
12/7/2016	0.0037 (J)								
12/8/2016		<0.005	<0.005			<0.005	0.0032 (J)	<0.005	
3/28/2017					0.0005 (J)				0.0385
3/29/2017	0.015		<0.005						
3/30/2017		<0.005		<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
7/12/2017	0.0121	<0.005		<0.005					
7/13/2017			<0.005			<0.005	0.0018 (J)	0.0012 (J)	
10/24/2017					<0.005				
10/25/2017	0.0135	<0.005	<0.005			<0.005			0.0119
10/26/2017				<0.005			0.0016 (J)	0.0008 (J)	
2/27/2018					<0.005				0.0094
2/28/2018	0.0177	<0.005	0.001 (J)			0.0011 (J)			
3/1/2018				<0.005			0.0029 (J)		
3/2/2018								0.0017 (J)	
7/11/2018	0.0055	<0.005				<0.005			
7/12/2018			<0.005	<0.005			0.0023 (J)	0.0015 (J)	
11/6/2018					<0.005				<0.005
11/7/2018	0.0054	<0.005	<0.005			<0.005	<0.005 (J)	<0.005	
11/8/2018				<0.005					
8/27/2019					<0.005				<0.005
8/28/2019						<0.005			
8/29/2019	0.0064	<0.005	<0.005	<0.005			0.00089 (J)	<0.005	
10/15/2019					<0.005				
10/16/2019									0.0036 (J)
10/17/2019	0.0094	<0.005				<0.005	0.0013 (J)		
10/18/2019			<0.005	<0.005				0.00079 (J)	
3/2/2020					<0.005				0.0052
3/3/2020		<0.005	<0.005						
3/4/2020	0.029			<0.005		<0.005	0.0012 (J)	0.0006 (J)	
7/23/2020									
8/11/2020									
8/12/2020					<0.005		0.00081 (J)		0.002 (J)
8/13/2020	0.014			<0.005		<0.005		<0.005	
8/14/2020		<0.005	<0.005						
8/17/2020									
9/22/2020	0.0063				<0.005	<0.005			0.0062
9/23/2020							<0.005	<0.005	
9/24/2020		<0.005	<0.005	<0.005					
9/25/2020									
3/1/2021					<0.005				
3/2/2021	0.019								0.0013 (J)
3/3/2021		<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
3/8/2021									
9/9/2021		<0.005		<0.005					
9/10/2021	0.0083		<0.005		<0.005		0.0016 (J)	<0.005	0.0031 (J)
9/13/2021						<0.005			

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	<0.005	0.0241	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	<0.005	<0.005	
12/7/2016			
12/8/2016			
3/28/2017		0.0243	
3/29/2017	0.001 (J)		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	0.0012 (J)	0.0194	
7/12/2017			
7/13/2017			
10/24/2017	0.0015 (J)	0.0249	
10/25/2017			
10/26/2017			
2/27/2018	0.002 (J)	0.0405	
2/28/2018			
3/1/2018			
3/2/2018			
7/11/2018		0.016	
7/12/2018			
11/6/2018	<0.005	0.017	
11/7/2018			
11/8/2018			
8/27/2019		0.021	
8/28/2019	<0.005		
8/29/2019			
10/15/2019			
10/16/2019	<0.005		
10/17/2019		0.033	
10/18/2019			
3/2/2020			
3/3/2020	0.00096 (J)	0.015	
3/4/2020			
7/23/2020			<0.005
8/11/2020		0.022	
8/12/2020	<0.005		
8/13/2020			
8/14/2020			
8/17/2020			<0.005
9/22/2020		0.04	
9/23/2020	<0.005		
9/24/2020			
9/25/2020			<0.005
3/1/2021			
3/2/2021	<0.005	0.021	
3/3/2021			

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
3/8/2021			<0.005
9/9/2021			
9/10/2021		0.031	
9/13/2021	<0.005		<0.005

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
1/30/2019									
9/11/2019									
10/21/2019									
8/13/2020									
8/17/2020									
9/24/2020									
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	
1/13/2021							<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									
4/14/2021									0.0028 (J)
4/15/2021									
9/9/2021									
9/10/2021		<0.005					<0.005		
9/13/2021	<0.005			<0.005	<0.005				
9/14/2021			0.0019 (J)			<0.005		0.0029 (J)	0.0018 (J)

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	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			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		0.003 (J)	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			<0.005
4/14/2021			
4/15/2021	<0.005		
9/9/2021			<0.005
9/10/2021			
9/13/2021		0.0031 (J)	
9/14/2021	<0.005		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/8/2021 1:03 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							
2/19/2018		<0.005							
1/28/2019	<0.005								
1/30/2019		<0.005							
9/11/2019	<0.005								
9/12/2019		<0.005							
9/18/2019			<0.005						
9/23/2019				<0.005					
10/21/2019		<0.005		<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		<0.005			
8/19/2020								0.0013 (J)	
9/24/2020			0.0025 (J)						
9/25/2020					<0.005	<0.005			
9/28/2020				<0.005				0.0027 (J)	
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					
9/13/2021						<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				

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-98

11/22/2016
2/19/2018
1/28/2019
1/30/2019
9/11/2019
9/12/2019
9/18/2019
9/23/2019
10/21/2019
10/22/2019
10/24/2019
8/13/2020
8/14/2020
8/17/2020
8/19/2020
9/24/2020
9/25/2020
9/28/2020
3/4/2021
3/5/2021
3/9/2021
3/12/2021
9/13/2021
9/14/2021
9/15/2021
9/16/2021

<0.005

Time Series

Constituent: Barium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-10	DGWC-11	DGWC-12	DGWC-13	DGWC-14	DGWC-15
8/31/2016				0.0321	0.0545			0.0576	
9/1/2016						0.0254			
9/6/2016							0.0297		0.0497
9/7/2016									
12/6/2016				0.029	0.0564			0.0608	
12/7/2016						0.0241	0.0266		0.0469
12/8/2016									
3/28/2017	0.134	0.0166	0.0378						
3/29/2017				0.0335	0.0565	0.0268		0.0693	
3/30/2017							0.0308		0.0495
5/11/2017	0.126								
5/12/2017			0.04						
5/15/2017		0.0181							
6/15/2017	0.14	0.0277							
6/16/2017			0.0369						
7/11/2017		0.0306	0.0362						
7/12/2017	0.173			0.0314	0.0572	0.0262	0.0291	0.0585	0.0517
8/8/2017		0.0277							
10/24/2017	0.109	0.0333	0.0313	0.0317	0.0596				
10/25/2017						0.0268		0.0563	0.0474
11/15/2017							0.0309		
2/27/2018		0.0341	0.0287	0.028	0.0672	0.0255		0.0591	
2/28/2018							<0.01		0.0455
3/8/2018	0.19								
7/11/2018						0.026		0.061	0.05
7/12/2018	0.18								
11/6/2018		0.037	0.026	0.025	0.074				
11/7/2018	0.15					0.028	0.034	0.055	0.042
8/27/2019		0.037	0.027	0.021	0.071	0.024		0.059	
8/28/2019	0.087						0.033		0.047
9/17/2019						0.02			
10/15/2019		0.034	0.024	0.024	0.064	0.02			
10/16/2019	0.077						0.034	0.059	
10/17/2019									0.046
10/18/2019									
3/2/2020		0.035	0.026		0.071	0.04			
3/3/2020				0.024			0.035	0.064	0.05
3/4/2020									
3/9/2020	0.099								
8/11/2020		0.041	0.026	0.024	0.064	0.028		0.061	
8/12/2020							0.032		
8/13/2020	0.046								0.06
8/14/2020									
9/22/2020	0.07	0.038	0.024		0.058	0.036		0.06	
9/23/2020							0.03		0.043
9/24/2020				0.021					
3/1/2021		0.042	0.028						
3/2/2021					0.052		0.03	0.064	0.043
3/3/2021						0.035			
3/4/2021				0.025					
3/12/2021	0.076								
9/8/2021			0.025						

Time Series

Constituent: Barium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		0.0214	
9/6/2016			
9/7/2016	0.0694		
12/6/2016			
12/7/2016		0.0191	
12/8/2016	0.062		
3/28/2017			
3/29/2017		0.0209	
3/30/2017	0.0615		0.0232
5/11/2017			0.0231
5/12/2017			
5/15/2017			
6/15/2017			0.0223
6/16/2017			
7/11/2017			0.0201
7/12/2017	0.0532	0.0212	
8/8/2017			
10/24/2017			0.0206
10/25/2017	0.0544	0.021	
11/15/2017			
2/27/2018			0.0207
2/28/2018	0.0527	0.0213	
3/8/2018			
7/11/2018	0.053	0.023	0.022
7/12/2018			
11/6/2018			0.021
11/7/2018	0.044	0.024	
8/27/2019	0.05		0.023
8/28/2019		0.026	
9/17/2019			
10/15/2019			
10/16/2019		0.024	
10/17/2019			0.022
10/18/2019	0.045		
3/2/2020			
3/3/2020		0.028	0.022
3/4/2020	0.044		
3/9/2020			
8/11/2020		0.027	0.022
8/12/2020			
8/13/2020			
8/14/2020	0.046		
9/22/2020		0.026	
9/23/2020			0.023
9/24/2020	0.033		
3/1/2021			
3/2/2021		0.026	0.023
3/3/2021	0.036		
3/4/2021			
3/12/2021			
9/8/2021			

Time Series

Constituent: Barium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
9/9/2021		0.025	0.022
9/10/2021			
9/13/2021	0.031		

Time Series

Constituent: Barium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
9/9/2021		0.023		0.021					
9/10/2021	0.0098		0.027		0.032		0.021	0.013	0.015
9/13/2021						0.014			

Time Series

Constituent: Barium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	0.0435	0.0162	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	0.0431	0.0138	
12/7/2016			
12/8/2016			
3/28/2017		0.017	
3/29/2017	0.044		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	0.0389	0.0154 (J)	
7/12/2017			
7/13/2017			
10/24/2017	0.0369	0.0148	
10/25/2017			
10/26/2017			
2/27/2018	0.0346	0.0148	
2/28/2018			
3/1/2018			
3/2/2018			
7/11/2018		0.017	
7/12/2018			
11/6/2018	0.027	0.015	
11/7/2018			
11/8/2018			
8/27/2019		0.016	
8/28/2019	0.025		
8/29/2019			
10/15/2019			
10/16/2019	0.027		
10/17/2019		0.015	
10/18/2019			
3/2/2020			
3/3/2020	0.026	0.016	
3/4/2020			
8/11/2020		0.016	
8/12/2020	0.034		
8/13/2020			
8/14/2020			
8/17/2020			0.015
9/22/2020		0.015	
9/23/2020	0.025		
9/24/2020			
9/25/2020			0.022
3/1/2021			
3/2/2021	0.029	0.017	
3/3/2021			
3/8/2021			0.022

Time Series

Constituent: Barium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
9/9/2021			
9/10/2021		0.014	
9/13/2021	0.019		0.021

Time Series

Constituent: Barium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
1/30/2019									
9/11/2019									
10/21/2019									
8/13/2020									
8/17/2020									
9/24/2020									
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	
1/13/2021							0.06		
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							0.056		
3/12/2021									
4/14/2021									0.018
4/15/2021									
9/9/2021									
9/10/2021		0.02					0.022		
9/13/2021	0.076			0.02	0.087				
9/14/2021			0.021			0.06		0.043	0.016

Time Series

Constituent: Barium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	B-120D	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
9/28/2020		0.026	
12/9/2020			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		0.028	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			0.027
4/14/2021			
4/15/2021	0.044		
9/9/2021			0.021
9/10/2021			
9/13/2021		0.026	
9/14/2021	0.031		

Time Series

Constituent: Barium (mg/L) Analysis Run 11/8/2021 1:03 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
1/28/2019	0.028								
1/30/2019		0.016							
9/11/2019	0.021								
9/12/2019		0.017							
9/18/2019			0.086						
9/23/2019				0.031					
10/21/2019		0.018		0.03	0.034				
10/22/2019	0.021								
10/24/2019			0.1						
8/13/2020			0.11						
8/14/2020					0.056				
8/17/2020				0.024		0.022			
8/19/2020								0.018	
9/24/2020			0.12						
9/25/2020					0.027	0.021			
9/28/2020				0.023				0.017	
3/4/2021			0.11		0.032				
3/5/2021						0.022			
3/9/2021								0.016 (J)	
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				

Time Series

Constituent: Barium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-98

1/28/2019	
1/30/2019	
9/11/2019	
9/12/2019	
9/18/2019	
9/23/2019	
10/21/2019	
10/22/2019	
10/24/2019	
8/13/2020	
8/14/2020	
8/17/2020	
8/19/2020	
9/24/2020	
9/25/2020	
9/28/2020	
3/4/2021	
3/5/2021	
3/9/2021	
9/13/2021	
9/14/2021	
9/15/2021	0.082
9/16/2021	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		0.0019 (J)	
9/6/2016			
9/7/2016	0.0006 (J)		
12/6/2016			
12/7/2016		0.0021 (J)	
12/8/2016	0.0005 (J)		
3/28/2017			
3/29/2017		0.0017 (J)	
3/30/2017	0.0006 (J)		<0.0005
5/11/2017			<0.0005
5/12/2017			
5/15/2017			
6/15/2017			<0.0005
6/16/2017			
7/11/2017			<0.0005
7/12/2017	0.0005 (J)	0.0018 (J)	
8/8/2017			
10/24/2017			<0.0005
10/25/2017	0.0005 (J)	0.0019 (J)	
11/15/2017			
2/27/2018			<0.0005
2/28/2018	<0.0005	<0.0005	
3/8/2018			
7/10/2018			
7/11/2018	0.00058 (J)	0.002 (J)	<0.0005
7/12/2018			
11/6/2018			<0.0005
11/7/2018	<0.0005	<0.003 (J)	
8/27/2019	0.00066 (J)		<0.0005
8/28/2019		0.0018 (J)	
9/17/2019			
10/15/2019			
10/16/2019		0.0017 (J)	
10/17/2019			<0.0005
10/18/2019	0.00071 (J)		
3/2/2020			
3/3/2020		0.0021 (J)	<0.0005
3/4/2020	0.00062 (J)		
3/9/2020			
8/11/2020		0.002 (J)	<0.0005
8/12/2020			
8/13/2020			
8/14/2020	0.00064 (J)		
9/22/2020		0.002 (J)	
9/23/2020			<0.0005
9/24/2020	0.0006 (J)		
3/1/2021			
3/2/2021		0.0019	<0.0005
3/3/2021	0.00056		
3/4/2021			
3/12/2021			

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
9/8/2021			
9/9/2021		0.0022	<0.0005
9/10/2021			
9/13/2021	0.00052		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
9/9/2021		0.00018 (J)		0.0005 (J)					
9/10/2021	0.0024		0.00014 (J)		0.00028 (J)		0.009	0.007	0.0075
9/13/2021						0.0024			

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	0.0018 (J)	0.0045	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	0.0034	0.005	
12/7/2016			
12/8/2016			
3/28/2017		0.0052	
3/29/2017	0.0031		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	0.0022 (J)	0.0048	
7/12/2017			
7/13/2017			
10/24/2017	0.0042	0.0051	
10/25/2017			
10/26/2017			
2/27/2018	0.0047	0.0057	
2/28/2018			
3/1/2018			
3/2/2018			
7/11/2018		0.0058	
7/12/2018			
11/6/2018	<0.003 (J)	0.006	
11/7/2018			
11/8/2018			
8/27/2019		0.007	
8/28/2019	0.0021 (J)		
8/29/2019			
10/15/2019			
10/16/2019	0.0019 (J)		
10/17/2019		0.0063	
10/18/2019			
3/2/2020			
3/3/2020	0.0018 (J)	0.0048	
3/4/2020			
8/11/2020		0.0062	
8/12/2020	0.0018 (J)		
8/13/2020			
8/14/2020			
8/17/2020			0.0004 (J)
9/22/2020		0.0049	
9/23/2020	0.0015 (J)		
9/24/2020			
9/25/2020			0.00035 (J)
3/1/2021			
3/2/2021	0.0012	0.005	
3/3/2021			
3/8/2021			0.00046 (J)

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
9/9/2021			
9/10/2021		0.0049	
9/13/2021	0.0015		0.00053

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
10/6/2016									
1/30/2019									
9/11/2019									
10/21/2019									
8/13/2020									
8/17/2020									
9/24/2020									
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	
1/13/2021							5.9E-05 (J)		
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							7.9E-05 (J)		
3/12/2021									
4/14/2021									0.012
4/15/2021									
9/9/2021									
9/10/2021		0.0011					<0.0005		
9/13/2021	6.7E-05 (J)			0.00013 (J)	<0.0005				
9/14/2021			0.0011			<0.0005		<0.0005	0.011

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	B-120D	B-56	B-62
10/6/2016			9E-05 (J)
1/30/2019			<0.0005
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)
9/28/2020		0.0012 (J)	
12/9/2020			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		0.0011	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			<0.0005
4/14/2021			
4/15/2021	0.00085		
9/9/2021			0.00014 (J)
9/10/2021			
9/13/2021		0.0012	
9/14/2021	0.00087		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 1:03 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							
2/19/2018	0.00049 (J)	<0.0005							
1/28/2019	<0.0005								
1/30/2019		<0.0005							
9/11/2019	0.00035 (J)								
9/12/2019		<0.0005							
9/18/2019			0.00011 (J)						
9/23/2019				0.0015 (J)					
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									<0.0005
2/27/2020									0.0019 (J)
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	
9/24/2020			5.3E-05 (J)						
9/25/2020					0.00028 (J)	0.00063 (J)			
9/28/2020				0.0015 (J)				0.015	
3/4/2021			5.7E-05 (J)		0.00037 (J)				
3/5/2021						0.005			
3/9/2021							0.017	0.017	0.0019
3/15/2021									
9/13/2021						0.001			
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)				

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-98

10/7/2016	
11/22/2016	
2/19/2018	
1/28/2019	
1/30/2019	
9/11/2019	
9/12/2019	
9/18/2019	
9/23/2019	
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
8/13/2020	
8/14/2020	
8/17/2020	
8/19/2020	
9/24/2020	
9/25/2020	
9/28/2020	
3/4/2021	
3/5/2021	
3/9/2021	
3/15/2021	<0.0005
9/13/2021	
9/14/2021	
9/15/2021	0.00087
9/16/2021	

Time Series

Constituent: Boron, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		3.08	
9/6/2016			
9/7/2016	0.683		
12/6/2016			
12/7/2016		3.34	
12/8/2016	0.688		
3/28/2017			
3/29/2017		3.96	
3/30/2017	0.743		1.56
5/11/2017			1.65
5/12/2017			
5/15/2017			
6/15/2017			1.44
6/16/2017			
7/11/2017			1.39
7/12/2017	0.62	2.82	
8/8/2017			
10/24/2017			1.18
10/25/2017	0.739	3.19	
11/15/2017			
2/27/2018			1.12
2/28/2018	0.627	2.91	
3/8/2018			
7/11/2018	0.79	3.7	0.82
7/12/2018			
11/6/2018			0.9
11/7/2018	1.6	2.6	
3/12/2019			0.72
3/13/2019	0.76	2.6	
3/14/2019			
9/17/2019			
10/15/2019			
10/16/2019		2.2	
10/17/2019			0.73
10/18/2019	0.82		
3/2/2020			
3/3/2020		3.1	0.68
3/4/2020	0.85		
3/9/2020			
9/22/2020		2.6	
9/23/2020			0.57
9/24/2020	0.88		
3/1/2021			
3/2/2021		2.3	0.52
3/3/2021	0.71		
3/4/2021			
3/12/2021			
9/8/2021			
9/9/2021		2.7	0.51
9/10/2021			
9/13/2021	0.78		

Time Series

Constituent: Boron, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
8/30/2016									
8/31/2016									7.5
9/1/2016							0.345	0.955	
9/2/2016	6.77	4.81	3.99						
9/7/2016						0.924			
12/6/2016									5.64
12/7/2016	6.04								
12/8/2016		3.57	3.1			0.957	0.352	0.919	
3/28/2017					4.01				6.16
3/29/2017	8.23		4.85						
3/30/2017		5.68		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
7/12/2017	6.81	5.2		3.74					
7/13/2017			3.85			1.03	0.28	0.972	
10/24/2017					3.82				
10/25/2017	8.94	7.92	3.9			0.982			4
10/26/2017				4.07			0.269	0.746	
2/27/2018					4.06				4.29
2/28/2018	6.26	5.89	5.14			0.918			
3/1/2018				4.37			0.296		
3/2/2018								0.878	
7/11/2018	5.7	8.3				0.83			
7/12/2018			3.6	4			0.26	0.82	
11/6/2018					4.1				4.2
11/7/2018	5	4.9	3.3			0.89	0.3	0.74	
11/8/2018				4.7					
3/12/2019					4.6				4.3
3/13/2019	5.6	6.2							
3/14/2019			4.1	4.7		0.89	0.26	0.72	
10/15/2019					5				
10/16/2019									4.3
10/17/2019	5	7				0.94	0.25		
10/18/2019			4.2	4.5				0.74	
3/2/2020					5.9				5.5
3/3/2020		6.8	4.6						
3/4/2020	3.6			4.8		1	0.24	0.77	
9/22/2020	4.9				4.3	0.88			4.6
9/23/2020							0.21	0.65	
9/24/2020		6.1	4.1	4.6					
9/25/2020									
3/1/2021					4.7				
3/2/2021	3.4								4.3
3/3/2021		5.3	3.9	4		0.87	0.17	0.57	
3/8/2021									
9/9/2021		5.8		4.7					
9/10/2021	4.8		4.5		5		0.16	0.55	4.7
9/13/2021						0.95			

Time Series

Constituent: Boron, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	2.63	1.72	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	2.72	1.92	
12/7/2016			
12/8/2016			
3/28/2017		2.01	
3/29/2017	3.04		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	2.55	1.78	
7/12/2017			
7/13/2017			
10/24/2017	2.29	1.72	
10/25/2017			
10/26/2017			
2/27/2018	2.07	1.68	
2/28/2018			
3/1/2018			
3/2/2018			
7/11/2018		1.4	
7/12/2018			
11/6/2018	1.7	1.4	
11/7/2018			
11/8/2018			
3/12/2019	1.5	1.2	
3/13/2019			
3/14/2019			
10/15/2019			
10/16/2019	1.2		
10/17/2019		1.2	
10/18/2019			
3/2/2020			
3/3/2020	1.5	1.1	
3/4/2020			
9/22/2020		0.78	
9/23/2020	1		
9/24/2020			
9/25/2020			0.27
3/1/2021			
3/2/2021	0.96	0.77	
3/3/2021			
3/8/2021			0.24
9/9/2021			
9/10/2021		0.54	
9/13/2021	0.86		0.24

Time Series

Constituent: Boron, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
10/6/2016									
1/30/2019									
9/11/2019									
10/21/2019									
9/24/2020									
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	
1/13/2021							0.46		
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							0.55		
3/12/2021									
4/14/2021									0.69
4/15/2021									
9/9/2021									
9/10/2021		2.5					0.41		
9/13/2021	1.6			1.3	10.7				
9/14/2021			0.23			6.8		0.32	0.61

Time Series

Constituent: Boron, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	B-120D	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)
9/28/2020		1.4	
12/9/2020			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		1.4	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			0.092 (J)
4/14/2021			
4/15/2021	1.9		
9/9/2021			0.068
9/10/2021			
9/13/2021		1.5	
9/14/2021	1.7		

Time Series

Constituent: Boron, total (mg/L) Analysis Run 11/8/2021 1:03 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							
1/28/2019	0.44								
1/30/2019		2							
9/11/2019	0.26								
9/12/2019		2							
9/18/2019			0.3						
9/23/2019				1.4					
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	
9/24/2020			0.27						
9/25/2020					0.35	1.8			
9/28/2020				1.1				3	
3/4/2021			0.35		0.33				
3/5/2021						3.5			
3/9/2021							2.9	3.4	
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				

Time Series

Constituent: Boron, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

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11/22/2016
1/28/2019
1/30/2019
9/11/2019
9/12/2019
9/18/2019
9/23/2019
10/21/2019
10/22/2019
10/24/2019
11/22/2019
12/18/2019
12/19/2019
9/24/2020
9/25/2020
9/28/2020
3/4/2021
3/5/2021
3/9/2021
9/13/2021
9/14/2021
9/15/2021
9/16/2021

2.6

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-10	DGWC-11	DGWC-12	DGWC-13	DGWC-14	DGWC-15
8/31/2016				0.0012	<0.0005			<0.0005	
9/1/2016						0.0004 (J)			
9/6/2016							<0.0005		<0.0005
9/7/2016									
12/6/2016				0.0013	<0.0005			<0.0005	
12/7/2016						0.0003 (J)	0.0002 (J)		9E-05 (J)
12/8/2016									
3/28/2017	<0.0005	<0.0005	<0.0005						
3/29/2017				0.0013	<0.0005	0.0003 (J)		<0.0005	
3/30/2017							8E-05 (J)		9E-05 (J)
5/11/2017	8E-05 (J)								
5/12/2017			<0.0005						
5/15/2017		<0.0005							
6/15/2017	<0.0005	<0.0005							
6/16/2017			<0.0005						
7/11/2017		<0.0005	<0.0005						
7/12/2017	<0.0005			0.0013	<0.0005	0.0004 (J)	<0.0005	<0.0005	<0.0005
8/8/2017		<0.0005							
10/24/2017	<0.0005	<0.0005	<0.0005	0.0014	<0.0005				
10/25/2017						0.0004 (J)		<0.0005	<0.0005
11/15/2017							<0.0005		
2/27/2018		<0.0005	<0.0005	0.001	<0.0005	<0.0005		<0.0005	
2/28/2018							<0.0005		<0.0005
3/8/2018	<0.0005								
7/11/2018						0.00033 (J)		<0.0005	<0.0005
7/12/2018	0.00013 (J)								
11/6/2018		<0.0005	<0.0005	0.0012	<0.0005				
11/7/2018	<0.0005					<0.001 (J)	<0.0005	<0.0005	<0.001 (J)
8/27/2019		<0.0005	<0.0005	0.00077 (J)	0.00012 (J)	0.00037 (J)		<0.0005	
8/28/2019	<0.0005						<0.0005		<0.0005
9/17/2019						0.00035 (J)			
10/15/2019		<0.0005	<0.0005	0.00095 (J)	<0.0005	0.00025 (J)			
10/16/2019	<0.0005						<0.0005	<0.0005	
10/17/2019									<0.0005
10/18/2019									
3/2/2020		0.00041 (J)	<0.0005		<0.0005	<0.0005			
3/3/2020				0.00095 (J)			<0.0005	<0.0005	0.00012 (J)
3/4/2020									
3/9/2020	<0.0005								
8/11/2020		<0.0005	<0.0005	0.00071 (J)	<0.0005	0.00038 (J)		<0.0005	
8/12/2020							<0.0005		
8/13/2020	<0.0005								0.00013 (J)
8/14/2020									
9/22/2020	<0.0005	<0.0005	<0.0005		0.00016 (J)	0.00017 (J)		<0.0005	
9/23/2020							<0.0005		<0.0005
9/24/2020				0.00055 (J)					
3/1/2021		<0.0005	<0.0005						
3/2/2021					0.00013 (J)		<0.0005	<0.0005	<0.0005
3/3/2021						0.00016 (J)			
3/4/2021				0.00088					
3/12/2021	<0.0005								
9/8/2021			<0.0005						

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		0.0004 (J)	
9/6/2016			
9/7/2016	0.0003 (J)		
12/6/2016			
12/7/2016		0.0004 (J)	
12/8/2016	0.0003 (J)		
3/28/2017			
3/29/2017		0.0004 (J)	
3/30/2017	0.0003 (J)		0.0005 (J)
5/11/2017			0.0004 (J)
5/12/2017			
5/15/2017			
6/15/2017			0.0003 (J)
6/16/2017			
7/11/2017			0.0003 (J)
7/12/2017	0.0002 (J)	0.0004 (J)	
8/8/2017			
10/24/2017			0.0003 (J)
10/25/2017	0.0002 (J)	0.0004 (J)	
11/15/2017			
2/27/2018			<0.0005
2/28/2018	<0.0005	<0.0005	
3/8/2018			
7/11/2018	0.00029 (J)	0.00039 (J)	0.00018 (J)
7/12/2018			
11/6/2018			<0.001 (J)
11/7/2018	<0.0005	<0.001 (J)	
8/27/2019	0.00033 (J)		0.00012 (J)
8/28/2019		0.00033 (J)	
9/17/2019			
10/15/2019			
10/16/2019		0.00034 (J)	
10/17/2019			0.00013 (J)
10/18/2019	0.00029 (J)		
3/2/2020			
3/3/2020		0.00037 (J)	0.00014 (J)
3/4/2020	0.00028 (J)		
3/9/2020			
8/11/2020		0.0003 (J)	<0.0005
8/12/2020			
8/13/2020			
8/14/2020	0.00029 (J)		
9/22/2020		0.00036 (J)	
9/23/2020			0.00013 (J)
9/24/2020	0.00024 (J)		
3/1/2021			
3/2/2021		0.00035 (J)	<0.0005
3/3/2021	0.00023 (J)		
3/4/2021			
3/12/2021			
9/8/2021			

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
9/9/2021		0.00037 (J)	<0.0005
9/10/2021			
9/13/2021	0.00023 (J)		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
9/9/2021		0.00012 (J)		0.00019 (J)					
9/10/2021	0.0012		0.00061		0.0009		0.0014	0.0028	0.00093
9/13/2021						0.00042 (J)			

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	0.0019	0.0004 (J)	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	0.0025	0.0005 (J)	
12/7/2016			
12/8/2016			
3/28/2017		0.0005 (J)	
3/29/2017	0.0024		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	0.0021	0.0005 (J)	
7/12/2017			
7/13/2017			
10/24/2017	0.0029	0.0006 (J)	
10/25/2017			
10/26/2017			
2/27/2018	0.0029	<0.0005	
2/28/2018			
3/1/2018			
3/2/2018			
7/11/2018		0.00067 (J)	
7/12/2018			
11/6/2018	0.0027	<0.001 (J)	
11/7/2018			
11/8/2018			
8/27/2019		0.00071 (J)	
8/28/2019	0.0022 (J)		
8/29/2019			
10/15/2019			
10/16/2019	0.0022 (J)		
10/17/2019		0.00064 (J)	
10/18/2019			
3/2/2020			
3/3/2020	0.002 (J)	0.00059 (J)	
3/4/2020			
8/11/2020		0.00059 (J)	
8/12/2020	0.0021 (J)		
8/13/2020			
8/14/2020			
8/17/2020			0.00059 (J)
9/22/2020		0.00059 (J)	
9/23/2020	0.0018 (J)		
9/24/2020			
9/25/2020			0.00027 (J)
3/1/2021			
3/2/2021	0.0017	0.00057	
3/3/2021			
3/8/2021			0.00027 (J)

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
9/9/2021			
9/10/2021		0.00053	
9/13/2021	0.002		0.00029 (J)

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
1/30/2019									
9/11/2019									
10/21/2019									
8/13/2020									
8/17/2020									
9/24/2020									
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	
1/13/2021							<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							<0.0005		
3/12/2021									
4/14/2021									0.00041 (J)
4/15/2021									
9/9/2021									
9/10/2021		0.00083					<0.0005		
9/13/2021	<0.0005			0.00024 (J)	<0.0005				
9/14/2021			<0.0005			<0.0005		<0.0005	0.00035 (J)

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	B-120D	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
9/28/2020		0.00024 (J)	
12/9/2020			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		0.00026 (J)	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			<0.0005
4/14/2021			
4/15/2021	0.001		
9/9/2021			<0.0005
9/10/2021			
9/13/2021		0.00028 (J)	
9/14/2021	0.0011		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/8/2021 1:03 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
1/28/2019	<0.0005								
1/30/2019		<0.0005							
9/11/2019	<0.0005								
9/12/2019		<0.0005							
9/18/2019			<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)								
10/24/2019			<0.0005						
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)	
9/24/2020			<0.0005						
9/25/2020					0.00026 (J)	0.00022 (J)			
9/28/2020				0.00066 (J)				0.00074 (J)	
3/4/2021			<0.0005		0.00032 (J)				
3/5/2021						0.0065			
3/9/2021								0.00075 (J)	
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)				

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-98

1/28/2019	
1/30/2019	
9/11/2019	
9/12/2019	
9/18/2019	
9/23/2019	
10/21/2019	
10/22/2019	
10/24/2019	
8/13/2020	
8/14/2020	
8/17/2020	
8/19/2020	
9/24/2020	
9/25/2020	
9/28/2020	
3/4/2021	
3/5/2021	
3/9/2021	
9/13/2021	
9/14/2021	
9/15/2021	0.0003 (J)
9/16/2021	

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		65.6	
9/6/2016			
9/7/2016	8.61		
12/6/2016			
12/7/2016		68.3	
12/8/2016	7.92		
3/28/2017			
3/29/2017		68	
3/30/2017	9.56		103
5/11/2017			102
5/12/2017			
5/15/2017			
6/15/2017			96.2
6/16/2017			
7/11/2017			98.4
7/12/2017	10.4	70	
8/8/2017			
10/24/2017			86
10/25/2017	10.9	77	
11/15/2017			
2/27/2018			66.7
2/28/2018	<25	72	
3/8/2018			
7/11/2018	13 (J)	82.7	55
7/12/2018			
11/6/2018			54.5
11/7/2018	37	81.7	
3/12/2019			52.2
3/13/2019	11.9 (J)	76.9	
3/14/2019			
10/15/2019			
10/16/2019		85.7	
10/17/2019			47.2
10/18/2019	12.9		
3/2/2020			
3/3/2020		86.8	48.4
3/4/2020	15.8		
3/9/2020			
9/22/2020		103	
9/23/2020			44.4
9/24/2020	12.7		
3/1/2021			
3/2/2021		93.2	44
3/3/2021	14.3		
3/4/2021			
3/12/2021			
9/8/2021			
9/9/2021		93.6	42
9/10/2021			
9/13/2021	15.8		

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
8/30/2016									
8/31/2016									82.6
9/1/2016							69.3	95.1	
9/2/2016	96.3	70.2	61.6						
9/7/2016						43.6			
12/6/2016									73.9
12/7/2016	91.9								
12/8/2016		70.1	60.1			45.8	71.1	105	
3/28/2017					229				89.1
3/29/2017	95.7		64.7						
3/30/2017		72.5		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
7/12/2017	100	80.4		70					
7/13/2017			67.2			52.3	52.5	102	
10/24/2017					232				
10/25/2017	97.3	75.6	66.8			50.9			95.6
10/26/2017				67.2			46.7	94	
2/27/2018					245				108
2/28/2018	86.3	73.2	62.3			45.1			
3/1/2018				66.5			44.2		
3/2/2018								86.6	
7/11/2018	92.4	82.3				47.8			
7/12/2018			71	72			41.6	89.1	
11/6/2018					284				124
11/7/2018	85.9	78.5	60.9			45.5	38.6	88	
11/8/2018				73.5					
3/12/2019					295				110
3/13/2019	86.4	79.9							
3/14/2019			64.8	73.2		43.5	36.6	74.6	
10/15/2019					276				
10/16/2019									109
10/17/2019	86.9	79.8				44.1	36.2		
10/18/2019			61.7	67.7				72.7	
3/2/2020					320				116
3/3/2020		87.4	68.7						
3/4/2020	103			69.8		48.8	36	79.7	
9/22/2020	79.2				263	43.8			99.2
9/23/2020							22.3	72.2	
9/24/2020		80	62.6	73.7					
9/25/2020									
3/1/2021					322				
3/2/2021	74.7								114
3/3/2021		82.1	62.3	68.1		38.8	25.5	66	
3/8/2021									
9/9/2021		75.3		76.4					
9/10/2021	69.8		62.3		285		24.4	68.7	123
9/13/2021						38.9			

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	82.7	64.9	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	76.8	59.3	
12/7/2016			
12/8/2016			
3/28/2017		71.6	
3/29/2017	90.5		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	91.1	73.7	
7/12/2017			
7/13/2017			
10/24/2017	78.1	92.5	
10/25/2017			
10/26/2017			
2/27/2018	64.2	73.1	
2/28/2018			
3/1/2018			
3/2/2018			
7/11/2018		88.5	
7/12/2018			
11/6/2018	57	81.1	
11/7/2018			
11/8/2018			
3/12/2019	54.3	78.1	
3/13/2019			
3/14/2019			
10/15/2019			
10/16/2019	47.3		
10/17/2019		75.6	
10/18/2019			
3/2/2020			
3/3/2020	46	59.5	
3/4/2020			
9/22/2020		54.7	
9/23/2020	39.3		
9/24/2020			
9/25/2020			44.7
3/1/2021			
3/2/2021	35.6	48.8	
3/3/2021			
3/8/2021			47.7
9/9/2021			
9/10/2021		47.7	
9/13/2021	36		51.5

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
1/30/2019									
10/21/2019									
9/24/2020									
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	
1/13/2021							40.3		
3/3/2021									
3/4/2021		79.7	150	42.1	83.9	86.6			
3/5/2021	68.9							110	
3/8/2021							40.2		
3/12/2021									
4/14/2021									52
4/15/2021									
9/9/2021									
9/10/2021		84.7					42.1		
9/13/2021	53.6			42.1	83.6				
9/14/2021			151			83.3		98.4	63

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	B-120D	B-56	B-62
1/30/2019			51.4
10/21/2019			31.2
9/24/2020			28.8
9/28/2020		15.1	
12/9/2020			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		18.5	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			28.8
4/14/2021			
4/15/2021	171		
9/9/2021			29.2
9/10/2021			
9/13/2021		15.2	
9/14/2021	162		

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 11/8/2021 1:03 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
1/28/2019	<25								
1/30/2019		62.4							
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
9/24/2020			17.9						
9/25/2020					39.8	79.8			
9/28/2020				26.5				110	
3/4/2021			14.8		39.1				
3/5/2021						128			
3/9/2021								127	
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				

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-98

1/28/2019	
1/30/2019	
10/21/2019	
10/22/2019	
10/24/2019	
11/22/2019	
12/18/2019	
12/19/2019	
2/17/2020	85.9
9/24/2020	
9/25/2020	
9/28/2020	
3/4/2021	
3/5/2021	
3/9/2021	
9/13/2021	
9/14/2021	
9/15/2021	105
9/16/2021	

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		41	
9/6/2016			
9/7/2016	17		
12/6/2016			
12/7/2016		41	
12/8/2016	19		
3/28/2017			
3/29/2017		42	
3/30/2017	20		4.8
5/11/2017			4.4
5/12/2017			
5/15/2017			
6/15/2017			4.8
6/16/2017			
7/11/2017			4.6
7/12/2017	18	41	
8/8/2017			
10/24/2017			4.4
10/25/2017	19	41	
11/15/2017			
2/27/2018			4.1
2/28/2018	17	36.4	
3/8/2018			
7/11/2018	19.5	38.2	3.3
7/12/2018			
11/6/2018			3.7
11/7/2018	21.4	38.8	
3/12/2019			3.1
3/13/2019	19.9	40.1	
3/14/2019			
10/15/2019			
10/16/2019		33.2	
10/17/2019			2.8
10/18/2019	22		
3/2/2020			
3/3/2020		30.9	2.3
3/4/2020	19.6		
3/9/2020			
9/22/2020		27.6	
9/23/2020			2.1
9/24/2020	22.7		
3/1/2021			
3/2/2021		27	2.1
3/3/2021	20.9		
3/4/2021			
3/12/2021			
9/8/2021			
9/9/2021		25.4	2.1
9/10/2021			
9/13/2021	18.2		

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
8/30/2016									
8/31/2016									8.6
9/1/2016							12	18	
9/2/2016	15	25	30						
9/7/2016						33			
12/6/2016									8
12/7/2016	16								
12/8/2016		24	26			32	12	17	
3/28/2017					29				9.5
3/29/2017	17		30						
3/30/2017		24		17				16	
3/31/2017						33	9.1		
5/12/2017				17	29				
6/15/2017				16	28				
7/11/2017					28				9
7/12/2017	18	23		16					
7/13/2017			29			33	5.7	15	
10/24/2017					28				
10/25/2017	20	23	29			32			9.4
10/26/2017				17			6.6	14	
11/15/2017					27				
2/27/2018					24.6				9.7
2/28/2018	18.6	19.9	23.4			29			
3/1/2018				14.8			10.7		
3/2/2018								12.8	
7/11/2018	20.4	20.9				29.3			
7/12/2018			26.1	15.2			9.5	11.7	
11/6/2018						24.8			10.2
11/7/2018	21.5	20.5	25.8			28.6	8.6	11.4	
11/8/2018				14.6					
3/12/2019						24.2			10.6
3/13/2019	24.8	21.3							
3/14/2019			26.3	15.2		24.8	6.6	10.2	
10/15/2019					20.9				
10/16/2019									11.6
10/17/2019	24.9	20.1				25.8	7		
10/18/2019			23.4	14.4				9.6	
3/2/2020					18.7				10.5
3/3/2020		19.7	21.8						
3/4/2020	27.8			13.9		23.6	4.4	9.1	
9/22/2020	25.8				17	22.1			10.5
9/23/2020							3.3	8	
9/24/2020		20	21.5	13.7					
9/25/2020									
3/1/2021					15				
3/2/2021	28								9.8
3/3/2021		19.7	20.6	14		20.8	2.9	14.2	
3/8/2021									
9/9/2021		20.2		12.3					
9/10/2021	26.2		17.3		13.9		2.4	10.9	9.9
9/13/2021						17.1			

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	9.7	6	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	9.8	6.2	
12/7/2016			
12/8/2016			
3/28/2017		6.6	
3/29/2017	9.9		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	9.7	6.9	
7/12/2017			
7/13/2017			
10/24/2017	9.9	6.7	
10/25/2017			
10/26/2017			
11/15/2017			
2/27/2018	9.5	8.2	
2/28/2018			
3/1/2018			
3/2/2018			
7/11/2018		10.5	
7/12/2018			
11/6/2018	10.5	8.7	
11/7/2018			
11/8/2018			
3/12/2019	10.7	8.5	
3/13/2019			
3/14/2019			
10/15/2019			
10/16/2019	10.4		
10/17/2019		10	
10/18/2019			
3/2/2020			
3/3/2020	9.6	6.6	
3/4/2020			
9/22/2020		8	
9/23/2020	9.1		
9/24/2020			
9/25/2020			13.2
3/1/2021			
3/2/2021	8.6	8.4	
3/3/2021			
3/8/2021			12.9
9/9/2021			
9/10/2021		9	
9/13/2021	8.2		11.1

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
1/30/2019									
10/21/2019									
9/24/2020									
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	
1/13/2021							3.1		
3/3/2021									
3/4/2021		10.4	7.9	7.8	13	29.4			
3/5/2021	9							39.2	
3/8/2021							3.9		
3/12/2021									
4/14/2021									7.9
4/15/2021									
9/9/2021									
9/10/2021		10.2					4.8		
9/13/2021	8.7			7	11.7				
9/14/2021			7.9			28.8		27.3	9

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	B-120D	B-56	B-62
1/30/2019			7.1
10/21/2019			6.5
9/24/2020			5.7
9/28/2020		8.7	
12/9/2020			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		8.3	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			5.9
4/14/2021			
4/15/2021	6.2		
9/9/2021			5.8
9/10/2021			
9/13/2021		7.1	
9/14/2021	6.1		

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 11/8/2021 1:03 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
1/28/2019	7.9								
1/30/2019		9.3							
10/21/2019		9.9		14.3	3.4				
10/22/2019	18								
10/24/2019			3.3						
11/22/2019						9.1			
12/18/2019							9.4		
12/19/2019								10.4	
2/17/2020									20.9
9/24/2020			5.3						
9/25/2020					3	10			
9/28/2020				9.9				10.8	
3/4/2021			2.9		3.2				
3/5/2021						7.8			
3/9/2021								13.5	
9/13/2021						8.2			
9/14/2021	7.1	8.9	4.7	9.5					
9/15/2021							10.4	13.2	18.8
9/16/2021					2.6				

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-98

1/28/2019	
1/30/2019	
10/21/2019	
10/22/2019	
10/24/2019	
11/22/2019	
12/18/2019	
12/19/2019	
2/17/2020	96.8
9/24/2020	
9/25/2020	
9/28/2020	
3/4/2021	
3/5/2021	
3/9/2021	
9/13/2021	
9/14/2021	
9/15/2021	29.9
9/16/2021	

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-10	DGWC-11	DGWC-12	DGWC-13	DGWC-14	DGWC-15
8/31/2016				<0.005	<0.005			<0.005	
9/1/2016						<0.005			
9/6/2016							<0.005		<0.005
9/7/2016									
12/6/2016				<0.005	<0.005			<0.005	
12/7/2016						<0.005	<0.005		<0.005
12/8/2016									
3/28/2017	<0.005	0.0008 (J)	0.0023 (J)						
3/29/2017				0.0008 (J)	<0.005	<0.005		<0.005	
3/30/2017							0.0009 (J)		0.0005 (J)
5/11/2017	<0.005								
5/12/2017			0.0004 (J)						
5/15/2017		0.0006 (J)							
6/15/2017	<0.005	0.0006 (J)							
6/16/2017			0.0005 (J)						
7/11/2017		0.0005 (J)	<0.005						
7/12/2017	<0.005			0.0006 (J)	<0.005	<0.005	<0.005	<0.005	<0.005
8/8/2017		0.0005 (J)							
10/24/2017	<0.005	0.0005 (J)	<0.005	0.0007 (J)	<0.005				
10/25/2017						<0.005		<0.005	<0.005
11/15/2017							<0.005		
2/27/2018		<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	
2/28/2018							<0.005		<0.005
3/8/2018	<0.005								
7/11/2018						<0.005		<0.005	<0.005
7/12/2018	<0.005								
11/6/2018		<0.005	<0.005	<0.005	<0.005				
11/7/2018	<0.005					<0.005	<0.005	<0.005	<0.01 (J)
8/27/2019		0.00071 (J)	0.0018 (J)	0.00083 (J)	0.0006 (J)	<0.005	<0.005	<0.005	
8/28/2019	<0.005						<0.005		<0.005
9/17/2019						<0.005			
10/15/2019		0.034 (O)	0.0025 (J)	0.00078 (J)	<0.005	<0.005			
10/16/2019	<0.005						<0.005	<0.005	
10/17/2019									0.00058 (J)
10/18/2019									
3/2/2020		0.0013 (J)	0.00045 (J)		0.0006 (J)	<0.005			
3/3/2020				0.00092 (J)			0.00066 (J)	<0.005	0.00046 (J)
3/4/2020									
3/9/2020	<0.005								
8/11/2020		0.0016 (J)	0.0006 (J)	0.00097 (J)	0.00061 (J)	0.00094 (J)		<0.005	
8/12/2020							0.00074 (J)		
8/13/2020	<0.005								0.0048 (J)
8/14/2020									
9/22/2020	<0.005	0.00089 (J)	<0.005		0.00058 (J)	<0.005		<0.005	
9/23/2020							0.00059 (J)		<0.005
9/24/2020				0.001 (J)					
3/1/2021		<0.005	<0.005						
3/2/2021					<0.005		<0.005	<0.005	<0.005
3/3/2021						0.00099 (J)			
3/4/2021				0.0009 (J)					
3/12/2021	<0.005								
9/8/2021			<0.005						

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		0.0031 (J)	
9/6/2016			
9/7/2016	0.0026 (J)		
12/6/2016			
12/7/2016		<0.005	
12/8/2016	0.0025 (J)		
3/28/2017			
3/29/2017		0.0025 (J)	
3/30/2017	0.0026 (J)		0.0005 (J)
5/11/2017			0.0005 (J)
5/12/2017			
5/15/2017			
6/15/2017			<0.005
6/16/2017			
7/11/2017			<0.005
7/12/2017	0.0022 (J)	0.0023 (J)	
8/8/2017			
10/24/2017			<0.005
10/25/2017	0.0024 (J)	0.0024 (J)	
11/15/2017			
2/27/2018			<0.005
2/28/2018	<0.005	<0.005	
3/8/2018			
7/11/2018	0.0024 (J)	0.0022 (J)	<0.005
7/12/2018			
11/6/2018			<0.005
11/7/2018	<0.005	<0.01 (J)	
8/27/2019	0.0031 (J)		0.0004 (J)
8/28/2019		0.0028 (J)	
9/17/2019			
10/15/2019			
10/16/2019		0.0024 (J)	
10/17/2019			0.00046 (J)
10/18/2019	0.0027 (J)		
3/2/2020			
3/3/2020		0.0028 (J)	<0.005
3/4/2020	0.0035 (J)		
3/9/2020			
8/11/2020		0.0024 (J)	0.00067 (J)
8/12/2020			
8/13/2020			
8/14/2020	0.0033 (J)		
9/22/2020		0.003 (J)	
9/23/2020			<0.005
9/24/2020	0.0029 (J)		
3/1/2021			
3/2/2021		0.0024 (J)	0.00064 (J)
3/3/2021	0.0028 (J)		
3/4/2021			
3/12/2021			
9/8/2021			

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
9/9/2021		0.003 (J)	<0.005
9/10/2021			
9/13/2021	0.0027 (J)		

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
9/9/2021		<0.005		<0.005					
9/10/2021	<0.005		<0.005		<0.005		<0.005	<0.005	<0.005
9/13/2021						<0.005			

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	<0.005	<0.005	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	<0.005	<0.005	
12/7/2016			
12/8/2016			
3/28/2017		0.001 (J)	
3/29/2017	0.0004 (J)		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	<0.005	<0.005	
7/12/2017			
7/13/2017			
10/24/2017	<0.005	<0.005	
10/25/2017			
10/26/2017			
2/27/2018	<0.005	<0.005	
2/28/2018			
3/1/2018			
3/2/2018			
7/11/2018		<0.005	
7/12/2018			
11/6/2018	<0.005	<0.005	
11/7/2018			
11/8/2018			
8/27/2019		0.00048 (J)	
8/28/2019	<0.005		
8/29/2019			
10/15/2019			
10/16/2019	0.0013 (J)		
10/17/2019		0.00051 (J)	
10/18/2019			
3/2/2020			
3/3/2020	0.00061 (J)	0.0057 (J)	
3/4/2020			
8/11/2020		0.00061 (J)	
8/12/2020	0.0028 (J)		
8/13/2020			
8/14/2020			
8/17/2020			<0.005
9/22/2020		<0.005	
9/23/2020	0.00086 (J)		
9/24/2020			
9/25/2020			0.00094 (J)
3/1/2021			
3/2/2021	0.0015 (J)	0.00059 (J)	
3/3/2021			
3/8/2021			0.00057 (J)

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
9/9/2021			
9/10/2021		<0.005	
9/13/2021	<0.005		<0.005

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
1/30/2019									
9/11/2019									
10/21/2019									
8/13/2020									
8/17/2020									
9/24/2020									
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	
1/13/2021							<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							0.00061 (J)		
3/12/2021									
4/14/2021									<0.005
4/15/2021									
9/9/2021									
9/10/2021		<0.005					<0.005		
9/13/2021	0.0014 (J)			<0.005	<0.005				
9/14/2021			<0.005			<0.005		<0.005	<0.005

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	B-120D	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
9/28/2020		<0.005	
12/9/2020			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		0.00059 (J)	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			<0.005
4/14/2021			
4/15/2021	<0.005		
9/9/2021			<0.005
9/10/2021			
9/13/2021		<0.005	
9/14/2021	<0.005		

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 1:03 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
1/28/2019	<0.005								
1/30/2019		<0.005							
9/11/2019	<0.005								
9/12/2019		<0.005							
9/18/2019			0.00068 (J)						
9/23/2019				0.0011 (J)					
10/21/2019		<0.005		<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	<0.005					
9/15/2021							<0.005	<0.005	<0.005
9/16/2021					0.003 (J)				

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

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1/28/2019	
1/30/2019	
9/11/2019	
9/12/2019	
9/18/2019	
9/23/2019	
10/21/2019	
10/22/2019	
10/24/2019	
8/13/2020	
8/14/2020	
8/17/2020	
8/19/2020	
9/24/2020	
9/25/2020	
9/28/2020	
3/4/2021	
3/5/2021	
3/9/2021	
9/13/2021	
9/14/2021	
9/15/2021	<0.005
9/16/2021	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-10	DGWC-11	DGWC-12	DGWC-13	DGWC-14	DGWC-15
8/31/2016				0.193	<0.005			<0.005	
9/1/2016						0.0021 (J)			
9/6/2016							<0.005		0.0042 (J)
9/7/2016									
12/6/2016				0.2	0.0006 (J)			<0.005	
12/7/2016						0.0026 (J)	<0.005		0.0028 (J)
12/8/2016									
3/28/2017	0.025	0.0034 (J)	0.0033 (J)						
3/29/2017				0.184	<0.005	0.0026 (J)		<0.005	
3/30/2017							0.0005 (J)		0.0024 (J)
5/11/2017	0.0281								
5/12/2017			0.0016 (J)						
5/15/2017		0.0024 (J)							
6/15/2017	0.0322	0.0014 (J)							
6/16/2017			0.0011 (J)						
7/11/2017		0.0007 (J)	0.0008 (J)						
7/12/2017	0.0247			0.177	<0.005	0.0033 (J)	0.0004 (J)	<0.005	0.002 (J)
8/8/2017		0.0007 (J)							
10/24/2017	0.0267	<0.005	0.0004 (J)	0.175	<0.005				
10/25/2017						0.0021 (J)		<0.005	0.0019 (J)
11/15/2017							<0.005		
2/27/2018		<0.005	<0.005	0.2	<0.005	<0.005		<0.005	
2/28/2018							<0.005		<0.005
3/8/2018	0.027								
7/11/2018						0.002 (J)		<0.005	0.0018 (J)
7/12/2018	0.024								
11/6/2018		<0.005	<0.005	0.2	<0.005				
11/7/2018	0.018					<0.01 (J)	<0.005	<0.005	0.025
8/27/2019		<0.005	<0.005	0.13	0.00076 (J)	0.0021 (J)		<0.005	
8/28/2019	0.013						<0.005		0.0015 (J)
9/17/2019						0.0079			
10/15/2019		0.00064 (J)	<0.005	0.17	0.0006 (J)	0.0058			
10/16/2019	0.009						<0.005	<0.005	
10/17/2019									0.0018 (J)
10/18/2019									
3/2/2020		0.00037 (J)	<0.005		0.00078 (J)	0.029			
3/3/2020				0.18			<0.005	<0.005	0.0018 (J)
3/4/2020									
3/9/2020	0.016								
8/11/2020		0.0012 (J)	<0.005	0.11	0.00055 (J)	0.006		<0.005	
8/12/2020							<0.005		
8/13/2020	0.0051								0.0024 (J)
8/14/2020									
9/22/2020	0.011	<0.005	<0.005		0.00098 (J)	0.013		<0.005	
9/23/2020							0.00038 (J)		0.0018 (J)
9/24/2020				0.086					
3/1/2021		<0.005	<0.005						
3/2/2021					0.00065 (J)		<0.005	<0.005	0.0013 (J)
3/3/2021						0.01			
3/4/2021				0.071					
3/12/2021	0.0078								
9/8/2021			<0.005						

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		0.0553	
9/6/2016			
9/7/2016	0.0247		
12/6/2016			
12/7/2016		0.0561	
12/8/2016	0.029		
3/28/2017			
3/29/2017		0.0534	
3/30/2017	0.0283		0.0255
5/11/2017			0.0284
5/12/2017			
5/15/2017			
6/15/2017			0.0238
6/16/2017			
7/11/2017			0.0238
7/12/2017	0.023	0.0489	
8/8/2017			
10/24/2017			0.0292
10/25/2017	0.0259	0.0514	
11/15/2017			
2/27/2018			0.042
2/28/2018	0.02	0.0511	
3/8/2018			
7/11/2018	0.025	0.051	0.02
7/12/2018			
11/6/2018			0.024
11/7/2018	<0.01 (J)	0.048	
8/27/2019	0.031		0.0088
8/28/2019		0.048	
9/17/2019			
10/15/2019			
10/16/2019		0.046	
10/17/2019			0.0084
10/18/2019	0.023		
3/2/2020			
3/3/2020		0.054	0.0073
3/4/2020	0.023		
3/9/2020			
8/11/2020		0.049	0.0064
8/12/2020			
8/13/2020			
8/14/2020	0.026		
9/22/2020		0.051	
9/23/2020			0.0062
9/24/2020	0.028		
3/1/2021			
3/2/2021		0.051	0.0055
3/3/2021	0.016		
3/4/2021			
3/12/2021			
9/8/2021			

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
9/9/2021		0.055	0.0048 (J)
9/10/2021			
9/13/2021	0.019		

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
3/3/2021		0.0087	0.0078	0.00039 (J)		0.0087	0.2	0.36	
3/8/2021									
9/9/2021		0.0096		0.00049 (J)					
9/10/2021	0.45		0.0076		0.0019 (J)		0.23	0.36	0.022
9/13/2021						0.008			

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	0.0568	0.0896	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	0.0873	0.122	
12/7/2016			
12/8/2016			
3/28/2017		0.124	
3/29/2017	0.0902		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	0.0601	0.136	
7/12/2017			
7/13/2017			
10/24/2017	0.123	0.151	
10/25/2017			
10/26/2017			
2/27/2018	0.126	0.163	
2/28/2018			
3/1/2018			
3/2/2018			
7/11/2018		0.18	
7/12/2018			
11/6/2018	0.077	0.2	
11/7/2018			
11/8/2018			
8/27/2019		0.24	
8/28/2019	0.051		
8/29/2019			
10/15/2019			
10/16/2019	0.054		
10/17/2019		0.21	
10/18/2019			
3/2/2020			
3/3/2020	0.044	0.2	
3/4/2020			
7/23/2020			0.086
8/3/2020			0.087
8/11/2020		0.22	
8/12/2020	0.053		
8/13/2020			
8/14/2020			
8/17/2020			0.077
9/22/2020		0.16	
9/23/2020	0.04		
9/24/2020			
9/25/2020			0.034
3/1/2021			
3/2/2021	0.033	0.18	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
3/3/2021			
3/8/2021			0.029
9/9/2021			
9/10/2021		0.21	
9/13/2021	0.028		0.035

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
1/30/2019									
9/11/2019									
10/21/2019									
8/13/2020									
8/17/2020									
9/24/2020									
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)	
1/13/2021							<0.005		
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							<0.005		
3/12/2021									
4/14/2021									0.3
4/15/2021									
9/9/2021									
9/10/2021		0.013					<0.005		
9/13/2021	0.003 (J)			0.00056 (J)	0.00083 (J)				
9/14/2021			0.1			0.0017 (J)		<0.005	0.28

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	B-120D	B-56	B-62
1/30/2019			<0.005
9/11/2019			0.0003 (J)
10/21/2019			0.00031 (J)
8/13/2020			<0.005
8/17/2020		0.042	
9/24/2020			<0.005
9/28/2020		0.042	
12/9/2020			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		0.05	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			<0.005
4/14/2021			
4/15/2021	0.017		
9/9/2021			<0.005
9/10/2021			
9/13/2021		0.047	
9/14/2021	0.0055		

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 1:03 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
1/28/2019	0.053								
1/30/2019		<0.005							
9/11/2019	0.043								
9/12/2019		0.006							
9/18/2019			0.0031 (J)						
9/23/2019				0.0038 (J)					
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									
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	
9/24/2020			0.0004 (J)						
9/25/2020					0.0073	0.0015 (J)			
9/28/2020				0.0053				0.064	
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									
9/13/2021						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				

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-98

1/28/2019	
1/30/2019	
9/11/2019	
9/12/2019	
9/18/2019	
9/23/2019	
10/21/2019	
10/22/2019	
10/24/2019	
11/22/2019	
12/19/2019	
2/17/2020	<0.005
8/13/2020	
8/14/2020	
8/17/2020	
8/19/2020	
9/24/2020	
9/25/2020	
9/28/2020	
3/4/2021	
3/5/2021	
3/9/2021	
3/12/2021	
3/15/2021	<0.005
9/13/2021	
9/14/2021	
9/15/2021	0.0048 (J)
9/16/2021	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	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)
9/7/2016									
12/6/2016				1.31	0.409 (U)			0.659 (U)	
12/7/2016						2.66	1.76		1.73
12/8/2016									
3/28/2017	6.36	0.866 (U)	0.257 (U)						
3/29/2017				1.24	0.727	0.0726 (U)		0.313 (U)	
3/30/2017							1.59		0.276 (U)
5/11/2017	3.45								
5/12/2017			0.165 (U)						
5/15/2017		0.288 (U)							
6/15/2017	4.58	1.01 (U)							
6/16/2017			0.732 (U)						
7/11/2017		0.254 (U)	0.461 (U)						
7/12/2017	4.37			0.831	0.85 (U)	0.538 (U)	1.36	1.03 (U)	0.584 (U)
8/8/2017		1.48							
10/24/2017	4.46	0.472 (U)	0.724 (U)	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		1.22	0.714 (U)	1.55	1.14	0.83		0.695 (U)	
2/28/2018							0.721 (U)		1.25
3/8/2018	2.14								
7/10/2018		0.362 (U)	0.426 (U)	1.65	0.495 (U)		0.746 (U)		
7/11/2018						0.728 (U)		1.04 (U)	2.13
7/12/2018	4.65								
11/6/2018		0.859 (U)	0.455 (U)	1.46	1.41				
11/7/2018	3.05					0.414 (U)	1.22 (U)	0.593 (U)	0.786 (U)
8/27/2019		1.97	1.3 (U)	1.58	2.13	0.434 (U)		1.17 (U)	
8/28/2019	2.68						1.43		1.01 (U)
10/15/2019		0.319 (U)	1.21 (U)	0.831 (U)	0.622 (U)	0.359 (U)			
10/16/2019	1.89						1.73	1.04 (U)	
10/17/2019									1.03 (U)
10/18/2019									
3/2/2020		0.419 (U)	1.3		1.3	1.2 (U)			
3/3/2020				1.69			1.03	1.44	0.293 (U)
3/4/2020									
3/9/2020	3.51								
8/11/2020		0.812 (U)	0.965 (U)	1.45	1.02	0.77 (U)		1.17 (U)	
8/12/2020							1.63		
8/13/2020	1.04								3.58
8/14/2020									
9/22/2020	2.27	0.45 (U)	0.216 (U)		0.502 (U)	0.515 (U)		1.2 (U)	
9/23/2020							0.935 (U)		1.69 (U)
9/24/2020				1.39					
3/1/2021		0.552 (U)	0.389 (U)						
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					
3/12/2021	1.63								
9/8/2021			0.051 (U)						

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		1.07 (U)	
9/6/2016			
9/7/2016	1.17		
12/6/2016			
12/7/2016		0.903 (U)	
12/8/2016	1.65		
3/28/2017			
3/29/2017		0.302 (U)	
3/30/2017	0.865 (U)		0.737 (U)
5/11/2017			0.892 (U)
5/12/2017			
5/15/2017			
6/15/2017			0.979 (U)
6/16/2017			
7/11/2017			0.871 (U)
7/12/2017	0.362 (U)	0.283 (U)	
8/8/2017			
10/24/2017			1.19
10/25/2017	0.401 (U)	0.927 (U)	
11/15/2017			
2/27/2018			0.863 (U)
2/28/2018	1.1 (U)	0.813 (U)	
3/8/2018			
7/10/2018			
7/11/2018	0.64 (U)	0.751 (U)	0.663 (U)
7/12/2018			
11/6/2018			0.664
11/7/2018	0.795 (U)	1.02	
8/27/2019	1.12		1.6
8/28/2019		0.661 (U)	
10/15/2019			
10/16/2019		1.79	
10/17/2019			1.74
10/18/2019	0.89 (U)		
3/2/2020			
3/3/2020		0.383 (U)	1.23
3/4/2020	0.493 (U)		
3/9/2020			
8/11/2020		0.723 (U)	1.37
8/12/2020			
8/13/2020			
8/14/2020	0.804 (U)		
9/22/2020		0.96 (U)	
9/23/2020			1.96 (U)
9/24/2020	0.369 (U)		
3/1/2021			
3/2/2021		0.775 (U)	1.54 (U)
3/3/2021	0.66 (U)		
3/4/2021			
3/12/2021			
9/8/2021			

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
9/9/2021		0.239 (U)	1.22 (U)
9/10/2021			
9/13/2021	0.85 (U)		

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
8/30/2016									
8/31/2016									2.49
9/1/2016							4.47	2.37	
9/2/2016	1.48	0.908 (U)	1.54						
9/7/2016						0.876 (U)			
12/6/2016									0.348 (U)
12/7/2016	1.26 (U)								
12/8/2016		1.03 (U)	0.505 (U)			0.955	2.88	2.87	
3/28/2017					1.36				0.693 (U)
3/29/2017	0.373 (U)		0.715 (U)						
3/30/2017		0.884 (U)		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	0.91 (U)	1.22		0.703 (U)					
7/13/2017			1.14			1.08 (U)	2.37	1.78	
10/24/2017					1.24				
10/25/2017	0.853 (U)	1.07 (U)	1.6			1.46			2.06
10/26/2017				0.984 (U)			2.88	3.74	
2/27/2018					1.82				1.97
2/28/2018	0.727 (U)	1.45	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)
7/11/2018	1.3	1.59				0.924 (U)			
7/12/2018			0.981 (U)	0.918 (U)			1.73	1.81	
11/6/2018					1.2				1.13
11/7/2018	0.746 (U)	1.16	0.832 (U)			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	0.996 (U)	0.582 (U)	1.87	2.21			3.05	2.37	
10/15/2019					2.11 (U)				
10/16/2019									1.63
10/17/2019	2	0.427 (U)				1.38	2.58		
10/18/2019			1.1 (U)	1.32				1.42	
3/2/2020					1.99				2.28
3/3/2020		0.567 (U)	0.517 (U)						
3/4/2020	1.67			1.39		0.722 (U)	1.68	1.31	
8/11/2020									
8/12/2020					1.95		2.56		1.13
8/13/2020	1.77			1.48 (U)		1.23 (U)		1.74	
8/14/2020		0.602 (U)	1.83						
8/17/2020									
9/22/2020	1.61 (U)				1.43 (U)	1.03 (U)			1.4 (U)
9/23/2020							2.3 (U)	1.51 (U)	
9/24/2020		0.396 (U)	1.02 (U)	1.49					
9/25/2020									
3/1/2021					1.05 (U)				
3/2/2021	1.76								0.971 (U)
3/3/2021		0.248 (U)	0.547 (U)	1.05 (U)		0.92 (U)	1.27 (U)	1.41	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
3/8/2021									
9/9/2021		0.702 (U)		1.81					
9/10/2021	0.689 (U)		0.616 (U)		1.46		2.32	2.21	1.15
9/13/2021						1.15 (U)			

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	0.919 (U)	1.33	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	0.407 (U)	0.828 (U)	
12/7/2016			
12/8/2016			
3/28/2017		1.06	
3/29/2017	0.28 (U)		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	0.209 (U)	0.62 (U)	
7/12/2017			
7/13/2017			
10/24/2017	0.615 (U)	1.21	
10/25/2017			
10/26/2017			
2/27/2018	1.05 (U)	1.79	
2/28/2018			
3/1/2018			
3/2/2018			
7/10/2018	0.363 (U)		
7/11/2018		1.81	
7/12/2018			
11/6/2018	0.577 (U)	1.13	
11/7/2018			
11/8/2018			
8/27/2019		1.55	
8/28/2019	0.815 (U)		
8/29/2019			
10/15/2019			
10/16/2019	0.999 (U)		
10/17/2019		0.702 (U)	
10/18/2019			
3/2/2020			
3/3/2020	0.481 (U)	1.37	
3/4/2020			
8/11/2020		0.819 (U)	
8/12/2020	0.721 (U)		
8/13/2020			
8/14/2020			
8/17/2020			1.4 (U)
9/22/2020		1.15 (U)	
9/23/2020	0.8 (U)		
9/24/2020			
9/25/2020			0.799 (U)
3/1/2021			
3/2/2021	0.751 (U)	1.29 (U)	
3/3/2021			

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
3/8/2021			0.168 (U)
9/9/2021			
9/10/2021		1.28	
9/13/2021	0.916 (U)		0.774 (U)

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
1/30/2019									
10/21/2019									
8/13/2020									
8/17/2020									
9/24/2020									
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	
1/13/2021							11.8		
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							12.1		
3/12/2021									
4/14/2021									14.7
4/15/2021									
9/9/2021									
9/10/2021		1.74					9.45		
9/13/2021	1.8			0.625 (U)	0.813 (U)				
9/14/2021			9.6			0.917 (U)		4.39	11.9

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	B-120D	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)
9/28/2020		1.39	
12/9/2020			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		1.01 (U)	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			1.18 (U)
4/14/2021			
4/15/2021	2.31		
9/9/2021			1.7
9/10/2021			
9/13/2021		0.854 (U)	
9/14/2021	3.68		

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 1:03 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
1/28/2019	2.14 (U)								
1/30/2019		0.975 (U)							
10/21/2019		1.07 (U)		0.63 (U)	0.792 (U)				
10/22/2019	1.28 (U)								
10/24/2019			1.87						
8/13/2020			2.17						
8/14/2020					0.95 (U)				
8/17/2020				0.662 (U)		2.47			
8/19/2020								1.19 (U)	
9/24/2020			0.761 (U)						
9/25/2020					0.0359 (U)	0.925 (U)			
9/28/2020				0.747 (U)				1.54	
3/4/2021			2.16		1.15 (U)				
3/5/2021						2.84			
3/9/2021								0.786 (U)	
9/13/2021						0.771 (U)			
9/14/2021	1.68	0.421 (U)	0.617 (U)	1.03 (U)					
9/15/2021							1.39	1.84	2.11
9/16/2021					0.442 (U)				

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-98

1/28/2019
1/30/2019
10/21/2019
10/22/2019
10/24/2019
8/13/2020
8/14/2020
8/17/2020
8/19/2020
9/24/2020
9/25/2020
9/28/2020
3/4/2021
3/5/2021
3/9/2021
9/13/2021
9/14/2021
9/15/2021
9/16/2021

2.2

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-10	DGWC-11	DGWC-12	DGWC-13	DGWC-14	DGWC-15
8/31/2016				1	0.06 (J)			0.06 (J)	
9/1/2016						0.02 (J)			
9/6/2016							0.17 (J)		0.11 (J)
9/7/2016									
12/6/2016				1.3	0.06 (J)			0.1 (J)	
12/7/2016						0.16 (J)	0.3		0.11 (J)
12/8/2016									
3/28/2017	0.12 (J)	1.2 (O)	0.06 (J)						
3/29/2017				1.5	0.04 (J)	0.1 (J)		0.02 (J)	
3/30/2017							0.12 (J)		<0.1
5/11/2017	0.07 (J)								
5/12/2017			<0.1						
5/15/2017		0.005 (J)							
6/15/2017	0.19 (J)	0.02 (J)							
6/16/2017			0.008 (J)						
7/11/2017		0.06 (J)	0.007 (J)						
7/12/2017	0.1 (J)			1.7	0.03 (J)	0.2 (J)	0.13 (J)	<0.1	0.07 (J)
8/8/2017		0.04 (J)							
10/24/2017	0.06 (J)	<0.1	<0.1	2.1	<0.1				
10/25/2017						0.6		<0.1	0.26 (J)
11/15/2017	0.05 (J)		<0.1	1.4			0.44		
2/27/2018		<0.1	<0.1	2.3	<0.1	0.34		<0.1	
2/28/2018							0.18		<0.1
3/8/2018	<0.1								
7/11/2018						<0.1		<0.1	<0.1
7/12/2018	0.071 (J)								
11/6/2018		<0.1	<0.1	2	<0.1				
11/7/2018	<0.1					<0.3 (J)	<0.3 (J)	<0.1	<0.1
3/12/2019		0.039 (J)	<0.1	1.7	0.052 (J)	0.065 (J)			
3/13/2019	0.13 (J)						0.13 (J)	0.042 (J)	
3/14/2019									0.057 (J)
8/27/2019		<0.1	<0.1	1.4	<0.1	<0.1		<0.1	
8/28/2019	0.42						0.091 (J)		<0.1
10/15/2019		<0.1	<0.1	1.4	<0.1	<0.1			
10/16/2019	0.11 (J)						0.14 (J)	0.052 (J)	
10/17/2019									0.079 (J)
10/18/2019									
3/2/2020		<0.1	<0.1		0.064 (J)	0.071 (J)			
3/3/2020				1.5			0.078 (J)	<0.1	<0.1
3/4/2020									
3/9/2020	0.1 (J)								
8/11/2020		<0.1	<0.1	1.4	<0.1	<0.1		<0.1	
8/12/2020							0.051 (J)		
8/13/2020	0.062 (J)								<0.1
8/14/2020									
9/22/2020	0.099 (J)	<0.1	<0.1		<0.1	<0.1		<0.1	
9/23/2020							0.058 (J)		<0.1
9/24/2020				0.97					
3/1/2021		<0.1	<0.1						
3/2/2021					<0.1		0.084 (J)	<0.1	<0.1
3/3/2021						0.085 (J)			
3/4/2021				1.8					

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		0.75	
9/6/2016			
9/7/2016	0.32		
12/6/2016			
12/7/2016		0.37	
12/8/2016	0.31		
3/28/2017			
3/29/2017		0.35	
3/30/2017	0.1 (J)		0.06 (J)
5/11/2017			0.06 (J)
5/12/2017			
5/15/2017			
6/15/2017			0.07 (J)
6/16/2017			
7/11/2017			0.04 (J)
7/12/2017	0.27 (J)	0.34	
8/8/2017			
10/24/2017			0.43
10/25/2017	0.49	0.9	
11/15/2017			
2/27/2018			0.28
2/28/2018	0.54	1.2	
3/8/2018			
7/11/2018	0.15 (J)	0.37	0.6
7/12/2018			
11/6/2018			<0.1
11/7/2018	<0.3 (J)	<0.3 (J)	
3/12/2019			0.052 (J)
3/13/2019	0.084 (J)	0.22 (J)	
3/14/2019			
8/27/2019	0.24 (J)		<0.1
8/28/2019		0.2	
10/15/2019			
10/16/2019		0.23 (J)	
10/17/2019			0.042 (J)
10/18/2019	0.086 (J)		
3/2/2020			
3/3/2020		0.056 (J)	<0.1
3/4/2020	<0.1		
3/9/2020			
8/11/2020		0.2	<0.1
8/12/2020			
8/13/2020			
8/14/2020	0.069 (J)		
9/22/2020		0.084 (J)	
9/23/2020			<0.1
9/24/2020	0.056 (J)		
3/1/2021			
3/2/2021		0.19	<0.1
3/3/2021	0.085 (J)		
3/4/2021			

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
3/12/2021			
9/8/2021			
9/9/2021		0.18	0.053 (J)
9/10/2021			
9/13/2021	0.063 (J)		

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
3/1/2021					<0.1				
3/2/2021	1.4								0.15
3/3/2021		<0.1	<0.1	0.063 (J)		<0.1	0.71	0.67	
3/8/2021									
9/9/2021		<0.1		0.084 (J)					
9/10/2021	0.25		<0.1		<0.1		0.22	0.47	0.16
9/13/2021						<0.1			

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	0.39	0.78	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	0.47	1.1	
12/7/2016			
12/8/2016			
3/28/2017		1.1	
3/29/2017	0.51		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	0.2 (J)	1.1	
7/12/2017			
7/13/2017			
10/24/2017	0.82	1.7	
10/25/2017			
10/26/2017			
11/15/2017			
2/27/2018	0.59	1.2	
2/28/2018			
3/1/2018			
3/2/2018			
7/11/2018		1.3	
7/12/2018			
11/6/2018	0.35	1.1	
11/7/2018			
11/8/2018			
3/12/2019	0.35	0.97	
3/13/2019			
3/14/2019			
8/27/2019		0.68	
8/28/2019	0.098 (J)		
8/29/2019			
10/15/2019			
10/16/2019	0.14 (J)		
10/17/2019		1.2	
10/18/2019			
3/2/2020			
3/3/2020	<0.1	1.4	
3/4/2020			
8/11/2020		1.3	
8/12/2020	0.056 (J)		
8/13/2020			
8/14/2020			
8/17/2020			<0.1
9/22/2020		0.99	
9/23/2020	<0.1		
9/24/2020			
9/25/2020			<0.1

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
3/1/2021			
3/2/2021	0.059 (J)	0.93	
3/3/2021			
3/8/2021			<0.1
9/9/2021			
9/10/2021		2	
9/13/2021	0.069 (J)		<0.1

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
1/30/2019									
10/21/2019									
8/13/2020									
8/17/2020									
9/24/2020									
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	
1/13/2021							0.17		
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							0.14		
3/12/2021									
4/14/2021									0.99
4/15/2021									
9/9/2021									
9/10/2021		0.083 (J)					0.15		
9/13/2021	0.051 (J)			0.052 (J)	<0.1				
9/14/2021			0.5			<0.1		0.57	1

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	B-120D	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)
9/28/2020		0.098 (J)	
12/9/2020			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		0.34	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			0.11
4/14/2021			
4/15/2021	<0.1		
9/9/2021			0.14
9/10/2021			
9/13/2021		0.2	
9/14/2021	<0.1		

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 1:03 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
1/28/2019	0.45								
1/30/2019		0.51							
10/21/2019		0.3 (J)		0.2 (J)	0.13 (J)				
10/22/2019	0.2 (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	0.16	0.22	0.078 (J)	0.052 (J)					
9/15/2021							0.18	0.34	0.085 (J)
9/16/2021					0.066 (J)				

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

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1/28/2019	
1/30/2019	
10/21/2019	
10/22/2019	
10/24/2019	
8/13/2020	
8/14/2020	
8/17/2020	
8/19/2020	
9/24/2020	
9/25/2020	
9/28/2020	
3/4/2021	
3/5/2021	
3/9/2021	
9/13/2021	
9/14/2021	
9/15/2021	0.098 (J)
9/16/2021	

Time Series

Constituent: Lead (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-10	DGWC-11	DGWC-12	DGWC-13	DGWC-14	DGWC-15
8/31/2016				<0.001	<0.001			<0.001	
9/1/2016						<0.001			
9/6/2016							<0.001		<0.001
9/7/2016									
12/6/2016				<0.001	<0.001			<0.001	
12/7/2016						<0.001	<0.001		0.0002 (J)
12/8/2016									
3/28/2017	<0.001	9E-05 (J)	<0.001						
3/29/2017				<0.001	<0.001	<0.001		<0.001	
3/30/2017							0.0002 (J)		0.0001 (J)
5/11/2017	<0.001								
5/12/2017			8E-05 (J)						
5/15/2017		0.0001 (J)							
6/15/2017	<0.001	0.0002 (J)							
6/16/2017			<0.001						
7/11/2017		<0.001	<0.001						
7/12/2017	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	0.0001 (J)
8/8/2017		7E-05 (J)							
10/24/2017	<0.001	<0.001	<0.001	<0.001	<0.001				
10/25/2017						<0.001		<0.001	<0.001
11/15/2017							<0.001		
2/27/2018		<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	
2/28/2018							<0.001		<0.001
3/8/2018	<0.001								
7/11/2018						<0.001		<0.001	<0.001
7/12/2018	<0.001								
11/6/2018		<0.001	<0.001	<0.001	<0.001				
11/7/2018	<0.001					<0.001	<0.001	<0.001	<0.001
8/27/2019		7.8E-05 (J)	<0.001	0.00024 (J)	0.00012 (J)	0.0001 (J)		<0.001	
8/28/2019	<0.001						<0.001		5.9E-05 (J)
9/17/2019						<0.001			
10/15/2019		<0.001	<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									
3/2/2020		7.4E-05 (J)	<0.001		0.00015 (J)	<0.001			
3/3/2020				0.00011 (J)			<0.001	<0.001	<0.001
3/4/2020									
3/9/2020	<0.001								
8/11/2020		0.0003 (J)	<0.001	7E-05 (J)	5.3E-05 (J)	<0.001		9.6E-05 (J)	
8/12/2020							<0.001		
8/13/2020	<0.001								0.0012 (J)
8/14/2020									
9/22/2020	<0.001	7.8E-05 (J)	<0.001		0.0001 (J)	0.00011 (J)		4.4E-05 (J)	
9/23/2020							9.8E-05 (J)		8.2E-05 (J)
9/24/2020				0.00013 (J)					
3/1/2021		<0.001	<0.001						
3/2/2021					<0.001		<0.001	8.3E-05 (J)	<0.001
3/3/2021						<0.001			
3/4/2021				9.2E-05 (J)					
3/12/2021	<0.001								
9/8/2021			<0.001						

Time Series

Constituent: Lead (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		<0.001	
9/6/2016			
9/7/2016	<0.001		
12/6/2016			
12/7/2016		<0.001	
12/8/2016	<0.001		
3/28/2017			
3/29/2017		<0.001	
3/30/2017	0.0001 (J)		0.0001 (J)
5/11/2017			9E-05 (J)
5/12/2017			
5/15/2017			
6/15/2017			0.0001 (J)
6/16/2017			
7/11/2017			<0.001
7/12/2017	<0.001	<0.001	
8/8/2017			
10/24/2017			<0.001
10/25/2017	<0.001	<0.001	
11/15/2017			
2/27/2018			<0.001
2/28/2018	<0.001	<0.001	
3/8/2018			
7/11/2018	<0.001	<0.001	<0.001
7/12/2018			
11/6/2018			<0.001
11/7/2018	<0.001	<0.001	
8/27/2019	9E-05 (J)		6E-05 (J)
8/28/2019		0.00026 (J)	
9/17/2019			
10/15/2019			
10/16/2019		<0.001	
10/17/2019			8.6E-05 (J)
10/18/2019	7.4E-05 (J)		
3/2/2020			
3/3/2020		7E-05 (J)	<0.001
3/4/2020	0.00013 (J)		
3/9/2020			
8/11/2020		5.3E-05 (J)	6.4E-05 (J)
8/12/2020			
8/13/2020			
8/14/2020	0.00017 (J)		
9/22/2020		0.00016 (J)	
9/23/2020			9.4E-05 (J)
9/24/2020	7.9E-05 (J)		
3/1/2021			
3/2/2021		4.5E-05 (J)	0.00014 (J)
3/3/2021	0.00015 (J)		
3/4/2021			
3/12/2021			
9/8/2021			

Time Series

Constituent: Lead (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
9/9/2021		<0.001	<0.001
9/10/2021			
9/13/2021	<0.001		

Time Series

Constituent: Lead (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
9/9/2021		<0.001		<0.001					
9/10/2021	<0.001		<0.001		<0.001		<0.001	0.00099 (J)	<0.001
9/13/2021						<0.001			

Time Series

Constituent: Lead (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	<0.001	<0.001	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	<0.001	<0.001	
12/7/2016			
12/8/2016			
3/28/2017		<0.001	
3/29/2017	0.0001 (J)		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	<0.001	<0.001	
7/12/2017			
7/13/2017			
10/24/2017	<0.001	<0.001	
10/25/2017			
10/26/2017			
2/27/2018	<0.001	<0.001	
2/28/2018			
3/1/2018			
3/2/2018			
7/11/2018		<0.001	
7/12/2018			
11/6/2018	<0.001	<0.001	
11/7/2018			
11/8/2018			
8/27/2019		<0.001	
8/28/2019	8.2E-05 (J)		
8/29/2019			
10/15/2019			
10/16/2019	0.00029 (J)		
10/17/2019		<0.001	
10/18/2019			
3/2/2020			
3/3/2020	0.00023 (J)	0.00017 (J)	
3/4/2020			
8/11/2020		<0.001	
8/12/2020	0.0007 (J)		
8/13/2020			
8/14/2020			
8/17/2020			8.8E-05 (J)
9/22/2020		0.00015 (J)	
9/23/2020	0.00011 (J)		
9/24/2020			
9/25/2020			0.00021 (J)
3/1/2021			
3/2/2021	0.00027 (J)	0.00028 (J)	
3/3/2021			
3/8/2021			0.00018 (J)

Time Series

Constituent: Lead (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
9/9/2021			
9/10/2021		<0.001	
9/13/2021	<0.001		<0.001

Time Series

Constituent: Lead (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
1/30/2019									
9/11/2019									
10/21/2019									
8/13/2020									
8/17/2020									
9/24/2020									
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)	
1/13/2021							<0.001		
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							<0.001		
3/12/2021									
4/14/2021									0.00032 (J)
4/15/2021									
9/9/2021									
9/10/2021		<0.001					<0.001		
9/13/2021	<0.001			<0.001	<0.001				
9/14/2021			<0.001			<0.001		<0.001	<0.001

Time Series

Constituent: Lead (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	B-120D	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
9/28/2020		9.1E-05 (J)	
12/9/2020			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		0.0001 (J)	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			<0.001
4/14/2021			
4/15/2021	0.00019 (J)		
9/9/2021			<0.001
9/10/2021			
9/13/2021		<0.001	
9/14/2021	<0.001		

Time Series

Constituent: Lead (mg/L) Analysis Run 11/8/2021 1:03 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
1/28/2019	<0.001								
1/30/2019		<0.001							
9/11/2019	4.7E-05 (J)								
9/12/2019		<0.001							
9/18/2019			0.00032 (J)						
9/23/2019				0.00016 (J)					
10/21/2019		<0.001		<0.001	0.00012 (J)				
10/22/2019	7.3E-05 (J)								
10/24/2019			<0.001						
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)	
9/24/2020			0.00021 (J)						
9/25/2020					6.5E-05 (J)	0.00035 (J)			
9/28/2020				0.00011 (J)				0.00012 (J)	
3/4/2021			0.00029 (J)		0.00017 (J)				
3/5/2021						0.012			
3/9/2021								<0.001	
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				

Time Series

Constituent: Lead (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-98

1/28/2019	
1/30/2019	
9/11/2019	
9/12/2019	
9/18/2019	
9/23/2019	
10/21/2019	
10/22/2019	
10/24/2019	
8/13/2020	
8/14/2020	
8/17/2020	
8/19/2020	
9/24/2020	
9/25/2020	
9/28/2020	
3/4/2021	
3/5/2021	
3/9/2021	
9/13/2021	
9/14/2021	
9/15/2021	<0.001
9/16/2021	

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-10	DGWC-11	DGWC-12	DGWC-13	DGWC-14	DGWC-15
8/31/2016				0.0022 (J)	0.0022 (J)			0.0031 (J)	
9/1/2016						<0.03			
9/6/2016							0.0029 (J)		0.0064 (J)
9/7/2016									
12/6/2016				<0.03	0.0027 (J)			0.0042 (J)	
12/7/2016						<0.03	0.003 (J)		0.0066 (J)
12/8/2016									
3/28/2017	0.0108 (J)	0.0054 (J)	0.0025 (J)						
3/29/2017				0.002 (J)	0.0021 (J)	<0.03		0.0041 (J)	
3/30/2017							0.0035 (J)		0.0061 (J)
5/11/2017	0.0087 (J)								
5/12/2017			0.0016 (J)						
5/15/2017		0.002 (J)							
6/15/2017	0.0088 (J)	<0.03							
6/16/2017			0.0016 (J)						
7/11/2017		<0.03	<0.03						
7/12/2017	0.0075 (J)			0.0019 (J)	0.0022 (J)	<0.03	0.0028 (J)	0.0036 (J)	0.006 (J)
8/8/2017		<0.03							
10/24/2017	0.0103 (J)	<0.03	<0.03	0.0022 (J)	0.0024 (J)				
10/25/2017						<0.03		0.0032 (J)	0.0061 (J)
11/15/2017							0.0028 (J)		
2/27/2018		<0.03	0.0013 (J)	0.0037 (J)	0.0022 (J)	0.00097 (J)		0.0035 (J)	
2/28/2018							<0.03		0.0062 (J)
3/8/2018	0.011 (J)								
7/11/2018						<0.03		0.0034 (J)	0.0058 (J)
7/12/2018	0.0084 (J)								
11/6/2018		<0.03	<0.03	<0.03	<0.03				
11/7/2018	<0.03					<0.03	<0.03	<0.03	<0.05 (O)
8/27/2019		<0.03	0.0014 (J)	0.0053 (J)	0.0023 (J)	0.0011 (J)		0.0038 (J)	
8/28/2019	0.0092 (J)						0.0033 (J)		0.0063 (J)
9/17/2019						0.0011 (J)			
10/15/2019		<0.03	0.0012 (J)	0.0051 (J)	0.0019 (J)	0.00091 (J)			
10/16/2019	0.0094 (J)						0.0029 (J)	0.0032 (J)	
10/17/2019									0.0064 (J)
10/18/2019									
3/2/2020		<0.03	0.0011 (J)		0.0023 (J)	<0.03			
3/3/2020				0.0049 (J)			0.0035 (J)	0.008 (J)	0.0059 (J)
3/4/2020									
3/9/2020	0.0077 (J)								
8/11/2020		0.0019 (J)	0.0015 (J)	0.0033 (J)	0.0028 (J)	0.0011 (J)		0.0035 (J)	
8/12/2020							0.0034 (J)		
8/13/2020	0.0085 (J)								0.0089 (J)
8/14/2020									
9/22/2020	0.0089 (J)	<0.03	0.0012 (J)		0.0019 (J)	<0.03		0.0038 (J)	
9/23/2020							0.0033 (J)		0.006 (J)
9/24/2020				0.0049 (J)					
3/1/2021		<0.03	0.0012 (J)						
3/2/2021					0.0017 (J)		0.0033 (J)	0.004 (J)	0.0051 (J)
3/3/2021						<0.03			
3/4/2021				0.0042 (J)					
3/12/2021	0.0083 (J)								
9/8/2021			0.0013 (J)						

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		0.0034 (J)	
9/6/2016			
9/7/2016	<0.03		
12/6/2016			
12/7/2016		0.0034 (J)	
12/8/2016	<0.03		
3/28/2017			
3/29/2017		0.0031 (J)	
3/30/2017	<0.03		0.0807
5/11/2017			0.085
5/12/2017			
5/15/2017			
6/15/2017			0.0781
6/16/2017			
7/11/2017			0.0731
7/12/2017	<0.03	0.0032 (J)	
8/8/2017			
10/24/2017			0.0995
10/25/2017	<0.03	0.0031 (J)	
11/15/2017			
2/27/2018			0.0875
2/28/2018	<0.03	0.0031 (J)	
3/8/2018			
7/11/2018	<0.03	0.0034 (J)	0.033 (J)
7/12/2018			
11/6/2018			<0.03
11/7/2018	<0.03	<0.03	
8/27/2019	0.00089 (J)		0.032
8/28/2019		0.0032 (J)	
9/17/2019			
10/15/2019			
10/16/2019		0.0026 (J)	
10/17/2019			0.029 (J)
10/18/2019	0.00096 (J)		
3/2/2020			
3/3/2020		0.0034 (J)	0.026 (J)
3/4/2020	0.0011 (J)		
3/9/2020			
8/11/2020		0.0031 (J)	0.028 (J)
8/12/2020			
8/13/2020			
8/14/2020	0.0015 (J)		
9/22/2020		0.0034 (J)	
9/23/2020			0.022 (J)
9/24/2020	0.00096 (J)		
3/1/2021			
3/2/2021		0.003 (J)	0.023 (J)
3/3/2021	0.0011 (J)		
3/4/2021			
3/12/2021			
9/8/2021			

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
9/9/2021		0.0035 (J)	0.024 (J)
9/10/2021			
9/13/2021	<0.03		

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
9/9/2021		0.006 (J)		0.0081 (J)					
9/10/2021	0.0023 (J)		0.0039 (J)		0.0035 (J)		0.053	0.095	0.0071 (J)
9/13/2021						0.015 (J)			

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	0.005 (J)	0.0212 (J)	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	0.0066 (J)	0.0242 (J)	
12/7/2016			
12/8/2016			
3/28/2017		0.0249 (J)	
3/29/2017	0.0059 (J)		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	0.0045 (J)	0.022 (J)	
7/12/2017			
7/13/2017			
10/24/2017	0.0072 (J)	0.0281 (J)	
10/25/2017			
10/26/2017			
2/27/2018	0.0075 (J)	0.031 (J)	
2/28/2018			
3/1/2018			
3/2/2018			
7/11/2018		0.028 (J)	
7/12/2018			
11/6/2018	<0.03	<0.03	
11/7/2018			
11/8/2018			
8/27/2019		0.031	
8/28/2019	0.0048 (J)		
8/29/2019			
10/15/2019			
10/16/2019	0.0045 (J)		
10/17/2019		0.029 (J)	
10/18/2019			
3/2/2020			
3/3/2020	0.0052 (J)	0.028 (J)	
3/4/2020			
8/11/2020		0.032	
8/12/2020	0.0058 (J)		
8/13/2020			
8/14/2020			
8/17/2020			0.0013 (J)
9/22/2020		0.025 (J)	
9/23/2020	0.0045 (J)		
9/24/2020			
9/25/2020			0.0027 (J)
3/1/2021			
3/2/2021	0.0046 (J)	0.028 (J)	
3/3/2021			
3/8/2021			0.0024 (J)

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
9/9/2021			
9/10/2021		0.027 (J)	
9/13/2021	0.0034 (J)		0.0022 (J)

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
1/30/2019									
9/11/2019									
10/21/2019									
8/13/2020									
8/17/2020									
9/24/2020									
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)	
1/13/2021							0.016 (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							0.014 (J)		
3/12/2021									
4/14/2021									0.089
4/15/2021									
9/9/2021									
9/10/2021		0.012 (J)					0.013 (J)		
9/13/2021	0.011 (J)			0.0056 (J)	0.014 (J)				
9/14/2021			0.036			0.015 (J)		0.029 (J)	0.085

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	B-120D	B-56	B-62
1/30/2019			<0.03
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)
9/28/2020		0.005 (J)	
12/9/2020			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		0.0051 (J)	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			0.0087 (J)
4/14/2021			
4/15/2021	0.088		
9/9/2021			0.0094 (J)
9/10/2021			
9/13/2021		0.0055 (J)	
9/14/2021	0.077		

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 1:03 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
1/28/2019	<0.03								
1/30/2019		<0.03							
9/11/2019	0.0064 (J)								
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)				
10/22/2019	0.0062 (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)			
8/19/2020								0.011 (J)	
9/24/2020			0.00095 (J)						
9/25/2020					0.0018 (J)	0.0016 (J)			
9/28/2020				0.001 (J)				0.011 (J)	
3/4/2021			0.0011 (J)		0.0024 (J)				
3/5/2021						0.029 (J)			
3/9/2021								0.012 (J)	
3/12/2021	0.0066 (J)								
9/13/2021						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)				

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-98

1/28/2019	
1/30/2019	
9/11/2019	
9/12/2019	
9/18/2019	
9/23/2019	
10/21/2019	
10/22/2019	
10/24/2019	
8/13/2020	
8/14/2020	
8/17/2020	
8/19/2020	
9/24/2020	
9/25/2020	
9/28/2020	
3/4/2021	
3/5/2021	
3/9/2021	
3/12/2021	
9/13/2021	
9/14/2021	
9/15/2021	0.0012 (J)
9/16/2021	

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	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
9/7/2016									
12/6/2016				9E-05 (J)	8E-05 (J)			8E-05 (J)	
12/7/2016						<0.0002	9E-05 (J)		<0.0002
12/8/2016									
3/28/2017	<0.0002	<0.0002	<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)
5/11/2017	<0.0002								
5/12/2017			6E-05 (J)						
5/15/2017		<0.0002							
6/15/2017	8E-05 (J)	7E-05 (J)							
6/16/2017			7E-05 (J)						
7/11/2017		<0.0002	<0.0002						
7/12/2017	<0.0002			<0.0002	<0.0002	8E-05 (J)	<0.0002	<0.0002	<0.0002
8/8/2017		<0.0002							
10/24/2017	<0.0002	<0.0002	<0.0002	<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	<0.0002	<0.0002	6E-05 (J)		<0.0002	
2/28/2018							<0.0002		<0.0002
3/8/2018	<0.0002								
7/11/2018						3.6E-05 (J)		<0.0002	<0.0002
7/12/2018	<0.0002								
11/6/2018		<0.0002	<0.0002	<0.0002	<0.0002				
11/7/2018	<0.0002					<0.0002	<0.0002	<0.0002	<0.0002
8/27/2019		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002	
8/28/2019	<0.0002						<0.0002		<0.0002
9/17/2019						<0.0002			
10/15/2019		<0.0002	<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									
3/2/2020		<0.0002	<0.0002		<0.0002	<0.0002			
3/3/2020				<0.0002			<0.0002	<0.0002	<0.0002
3/4/2020									
3/9/2020	<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								<0.0002
8/14/2020									
9/22/2020	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002		<0.0002	
9/23/2020							<0.0002		<0.0002
9/24/2020				8.1E-05 (J)					
3/1/2021		<0.0002	9E-05 (J)						
3/2/2021					<0.0002		<0.0002	<0.0002	<0.0002
3/3/2021						<0.0002			
3/4/2021				<0.0002					
3/12/2021	<0.0002								
9/8/2021			9.6E-05 (J)						

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		4E-05 (J)	
9/6/2016			
9/7/2016	6E-05 (J)		
12/6/2016			
12/7/2016		5E-05 (J)	
12/8/2016	<0.0002		
3/28/2017			
3/29/2017		9E-05 (J)	
3/30/2017	0.00012 (J)		7E-05 (J)
5/11/2017			8.3E-05 (J)
5/12/2017			
5/15/2017			
6/15/2017			8E-05 (J)
6/16/2017			
7/11/2017			<0.0002
7/12/2017	5E-05 (J)	<0.0002	
8/8/2017			
10/24/2017			<0.0002
10/25/2017	5E-05 (J)	<0.0002	
11/15/2017			
2/27/2018			<0.0002
2/28/2018	<0.0002	<0.0002	
3/8/2018			
7/11/2018	<0.0002	<0.0002	<0.0002
7/12/2018			
11/6/2018			0.00064
11/7/2018	<0.0002	<0.0002	
8/27/2019	0.00016 (J)		<0.0002
8/28/2019		<0.0002	
9/17/2019			
10/15/2019			
10/16/2019		<0.0002	
10/17/2019			<0.0002
10/18/2019	<0.0002		
3/2/2020			
3/3/2020		<0.0002	<0.0002
3/4/2020	<0.0002		
3/9/2020			
8/11/2020		<0.0002	<0.0002
8/12/2020			
8/13/2020			
8/14/2020	9.8E-05 (J)		
9/22/2020		<0.0002	
9/23/2020			<0.0002
9/24/2020	8.2E-05 (J)		
3/1/2021			
3/2/2021		<0.0002	<0.0002
3/3/2021	<0.0002		
3/4/2021			
3/12/2021			
9/8/2021			

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
9/9/2021		<0.0002	<0.0002
9/10/2021			
9/13/2021	8.6E-05 (J)		

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
8/30/2016									
8/31/2016									0.00015 (J)
9/1/2016							<0.0002	<0.0002	
9/2/2016	<0.0002	6E-05 (J)	5E-05 (J)						
9/7/2016						<0.0002			
12/6/2016									0.00012 (J)
12/7/2016	8E-05 (J)								
12/8/2016		<0.0002	<0.0002			<0.0002	<0.0002	<0.0002	
3/28/2017					<0.0002				0.00017 (J)
3/29/2017	8E-05 (J)		0.0001 (J)						
3/30/2017		8E-05 (J)		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)
7/12/2017	<0.0002	6E-05 (J)		0.00012 (J)					
7/13/2017			<0.0002			<0.0002	<0.0002	<0.0002	
10/24/2017					<0.0002				
10/25/2017	<0.0002	5E-05 (J)	<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)
2/28/2018	<0.0002	<0.0002	<0.0002			<0.0002			
3/1/2018				<0.0002			<0.0002		
3/2/2018								<0.0002	
7/11/2018	<0.0002	<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
11/7/2018	<0.0002	<0.0002	<0.0002			<0.0002	<0.0002	<0.0002	
11/8/2018				<0.0002					
8/27/2019					<0.0002				0.00016 (J)
8/28/2019						<0.0002			
8/29/2019	<0.0002	<0.0002	<0.0002	<0.0002			<0.0002	<0.0002	
10/15/2019					<0.0002				
10/16/2019									<0.0002
10/17/2019	<0.0002	<0.0002				<0.0002	<0.0002		
10/18/2019			<0.0002	<0.0002				<0.0002	
3/2/2020					<0.0002				<0.0002
3/3/2020		<0.0002	<0.0002						
3/4/2020	<0.0002			0.00026		<0.0002	<0.0002	<0.0002	
8/11/2020									
8/12/2020					<0.0002		<0.0002		0.00017 (J)
8/13/2020	<0.0002			0.00014 (J)		<0.0002		<0.0002	
8/14/2020		<0.0002	<0.0002						
8/17/2020									
9/22/2020	<0.0002				<0.0002	<0.0002			0.0002 (J)
9/23/2020							<0.0002	<0.0002	
9/24/2020		0.00012 (J)	<0.0002	0.0002 (J)					
9/25/2020									
3/1/2021					<0.0002				
3/2/2021	9E-05 (J)								9.4E-05 (J)
3/3/2021		<0.0002	<0.0002	0.00033		<0.0002	<0.0002	<0.0002	
9/9/2021		<0.0002		0.00011 (J)					

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Constituent: Mercury (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
9/10/2021	<0.0002		0.00011 (J)		0.00013 (J)		<0.0002	<0.0002	0.0003
9/13/2021						<0.0002			

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	9E-05 (J)	<0.0002	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	0.0001 (J)	5E-05 (J)	
12/7/2016			
12/8/2016			
3/28/2017		<0.0002	
3/29/2017	0.00012 (J)		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	6E-05 (J)	<0.0002	
7/12/2017			
7/13/2017			
10/24/2017	<0.0002	<0.0002	
10/25/2017			
10/26/2017			
2/27/2018	4.2E-05 (J)	4.2E-05 (J)	
2/28/2018			
3/1/2018			
3/2/2018			
7/11/2018		<0.0002	
7/12/2018			
11/6/2018	<0.0002	<0.0002	
11/7/2018			
11/8/2018			
8/27/2019		0.00021 (J)	
8/28/2019	<0.0002		
8/29/2019			
10/15/2019			
10/16/2019	<0.0002		
10/17/2019		0.00042 (J)	
10/18/2019			
3/2/2020			
3/3/2020	<0.0002	<0.0002	
3/4/2020			
8/11/2020		0.00026	
8/12/2020	7.9E-05 (J)		
8/13/2020			
8/14/2020			
8/17/2020			0.00011 (J)
9/22/2020		0.00013 (J)	
9/23/2020	<0.0002		
9/24/2020			
9/25/2020			<0.0002
3/1/2021			
3/2/2021	<0.0002	0.00017 (J)	
3/3/2021			
9/9/2021			

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
9/10/2021		0.00014 (J)	
9/13/2021	<0.0002		<0.0002

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
1/30/2019									
9/11/2019									
10/21/2019									
8/13/2020									
8/17/2020									
9/24/2020									
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	
1/13/2021							<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	
3/8/2021							<0.0002		
3/12/2021									
4/14/2021									<0.0002
4/15/2021									
9/9/2021									
9/10/2021		<0.0002					<0.0002		
9/13/2021	<0.0002			<0.0002	<0.0002				
9/14/2021			<0.0002			<0.0002		<0.0002	<0.0002

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Constituent: Mercury (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	B-120D	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
9/28/2020		<0.0002	
12/9/2020			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		<0.0002	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			<0.0002
4/14/2021			
4/15/2021	<0.0002		
9/9/2021			<0.0002
9/10/2021			
9/13/2021		<0.0002	
9/14/2021	<0.0002		

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/8/2021 1:03 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
1/28/2019	<0.0002								
1/30/2019		<0.0002							
9/11/2019	<0.0002								
9/12/2019		<0.0002							
9/18/2019			<0.0002						
9/23/2019				<0.0002					
10/21/2019		<0.0002		<0.0002	<0.0002				
10/22/2019	<0.0002								
10/24/2019			<0.0002						
8/13/2020			<0.0002						
8/14/2020					<0.0002				
8/17/2020				0.00011 (J)		0.00011 (J)			
8/19/2020								0.00026	
9/24/2020			<0.0002						
9/25/2020					<0.0002	<0.0002			
9/28/2020				<0.0002				0.00024 (J)	
3/4/2021			<0.0002		<0.0002				
3/5/2021						0.0001 (J)			
3/9/2021								0.00015 (J)	
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				

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Constituent: Mercury (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-98

1/28/2019	
1/30/2019	
9/11/2019	
9/12/2019	
9/18/2019	
9/23/2019	
10/21/2019	
10/22/2019	
10/24/2019	
8/13/2020	
8/14/2020	
8/17/2020	
8/19/2020	
9/24/2020	
9/25/2020	
9/28/2020	
3/4/2021	
3/5/2021	
3/9/2021	
9/13/2021	
9/14/2021	
9/15/2021	<0.0002
9/16/2021	

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-10	DGWC-11	DGWC-12	DGWC-13	DGWC-14	DGWC-15
8/31/2016				<0.01	<0.01			<0.01	
9/1/2016						<0.01			
9/6/2016							0.0371		<0.01
9/7/2016									
12/6/2016				<0.01	<0.01			<0.01	
12/7/2016						<0.01	0.0273		<0.01
12/8/2016									
3/28/2017	0.0242	<0.01	0.0009 (J)						
3/29/2017				<0.01	<0.01	<0.01		<0.01	
3/30/2017							0.03		<0.01
5/11/2017	0.0375								
5/12/2017			<0.01						
5/15/2017		<0.01							
6/15/2017	0.0409	<0.01							
6/16/2017			<0.01						
7/11/2017		<0.01	<0.01						
7/12/2017	0.0321			<0.01	<0.01	<0.01	0.0323	<0.01	<0.01
8/8/2017		<0.01							
10/24/2017	0.0227	<0.01	<0.01	<0.01	<0.01				
10/25/2017						<0.01		<0.01	<0.01
11/15/2017							0.0275		
2/27/2018		<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	
2/28/2018							0.0093 (J)		<0.01
3/8/2018	0.035								
7/11/2018						<0.01		<0.01	<0.01
7/12/2018	0.034								
11/6/2018		<0.01	<0.01	<0.01	<0.01				
11/7/2018	0.029					<0.01	0.018	<0.01	<0.01
8/27/2019		<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	
8/28/2019	0.031						0.015		<0.01
9/17/2019						<0.01			
10/15/2019		<0.01	<0.01	<0.01	<0.01	<0.01			
10/16/2019	0.037						0.014	<0.01	
10/17/2019									<0.01
10/18/2019									
3/2/2020		<0.01	<0.01		<0.01	<0.01			
3/3/2020				<0.01			0.018	<0.01	<0.01
3/4/2020									
3/9/2020	0.026								
8/11/2020		<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	
8/12/2020							0.012		
8/13/2020	0.012								<0.01
8/14/2020									
9/22/2020	0.039	<0.01	<0.01		<0.01	<0.01		<0.01	
9/23/2020							0.012		<0.01
9/24/2020				<0.01					
3/1/2021		<0.01	<0.01						
3/2/2021					<0.01		0.011	<0.01	<0.01
3/3/2021						<0.01			
3/4/2021				<0.01					
3/12/2021	0.018								
9/8/2021			<0.01						

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Constituent: Molybdenum (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		<0.01	
9/6/2016			
9/7/2016	<0.01		
12/6/2016			
12/7/2016		<0.01	
12/8/2016	<0.01		
3/28/2017			
3/29/2017		<0.01	
3/30/2017	<0.01		0.0009 (J)
5/11/2017			0.0009 (J)
5/12/2017			
5/15/2017			
6/15/2017			<0.01
6/16/2017			
7/11/2017			<0.01
7/12/2017	<0.01	<0.01	
8/8/2017			
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	
3/8/2018			
7/11/2018	<0.01	<0.01	<0.01
7/12/2018			
11/6/2018			<0.01
11/7/2018	<0.01	<0.01	
8/27/2019	<0.01		0.002 (J)
8/28/2019		<0.01	
9/17/2019			
10/15/2019			
10/16/2019		<0.01	
10/17/2019			0.0018 (J)
10/18/2019	<0.01		
3/2/2020			
3/3/2020		<0.01	0.0022 (J)
3/4/2020	<0.01		
3/9/2020			
8/11/2020		<0.01	0.002 (J)
8/12/2020			
8/13/2020			
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		<0.01	0.0021 (J)
3/3/2021	<0.01		
3/4/2021			
3/12/2021			
9/8/2021			

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Constituent: Molybdenum (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
9/9/2021		<0.01	0.0023 (J)
9/10/2021			
9/13/2021	<0.01		

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Constituent: Molybdenum (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
9/9/2021		<0.01		0.01					
9/10/2021	<0.01		<0.01		0.0052 (J)		<0.01	<0.01	<0.01
9/13/2021						<0.01			

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Constituent: Molybdenum (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	<0.01	<0.01	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	<0.01	<0.01	
12/7/2016			
12/8/2016			
3/28/2017		<0.01	
3/29/2017	<0.01		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	<0.01	<0.01	
7/12/2017			
7/13/2017			
10/24/2017	<0.01	<0.01	
10/25/2017			
10/26/2017			
2/27/2018	<0.01	<0.01	
2/28/2018			
3/1/2018			
3/2/2018			
7/11/2018		<0.01	
7/12/2018			
11/6/2018	<0.01	<0.01	
11/7/2018			
11/8/2018			
8/27/2019		<0.01	
8/28/2019	<0.01		
8/29/2019			
10/15/2019			
10/16/2019	<0.01		
10/17/2019		<0.01	
10/18/2019			
3/2/2020			
3/3/2020	<0.01	<0.01	
3/4/2020			
8/11/2020		<0.01	
8/12/2020	<0.01		
8/13/2020			
8/14/2020			
8/17/2020			<0.01
9/22/2020		<0.01	
9/23/2020	<0.01		
9/24/2020			
9/25/2020			<0.01
3/1/2021			
3/2/2021	<0.01	<0.01	
3/3/2021			
3/8/2021			<0.01

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
9/9/2021			
9/10/2021		<0.01	
9/13/2021	<0.01		<0.01

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Constituent: Molybdenum (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
1/30/2019									
9/11/2019									
10/21/2019									
8/13/2020									
8/17/2020									
9/24/2020									
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)	
1/13/2021							0.0022 (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							0.0014 (J)		
3/12/2021									
4/14/2021									<0.01
4/15/2021									
9/9/2021									
9/10/2021		<0.01					0.0011 (J)		
9/13/2021	<0.01			<0.01	<0.01				
9/14/2021			<0.01			<0.01		0.013	<0.01

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	B-120D	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
9/28/2020		<0.01	
12/9/2020			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		<0.01	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			<0.01
4/14/2021			
4/15/2021	0.00089 (J)		
9/9/2021			<0.01
9/10/2021			
9/13/2021		<0.01	
9/14/2021	<0.01		

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/8/2021 1:03 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
1/28/2019	<0.01								
1/30/2019		<0.01							
9/11/2019	<0.01								
9/12/2019		0.0018 (J)							
9/18/2019			<0.01						
9/23/2019				<0.01					
10/21/2019		0.0015 (J)		<0.01	<0.01				
10/22/2019	<0.01								
10/24/2019			<0.01						
8/13/2020			<0.01						
8/14/2020					<0.01				
8/17/2020				<0.01		0.0012 (J)			
8/19/2020								<0.01	
9/24/2020			<0.01						
9/25/2020					<0.01	0.0012 (J)			
9/28/2020				<0.01				<0.01	
3/4/2021			<0.01		<0.01				
3/5/2021						<0.01			
3/9/2021								<0.01	
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				

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-98

1/28/2019	
1/30/2019	
9/11/2019	
9/12/2019	
9/18/2019	
9/23/2019	
10/21/2019	
10/22/2019	
10/24/2019	
8/13/2020	
8/14/2020	
8/17/2020	
8/19/2020	
9/24/2020	
9/25/2020	
9/28/2020	
3/4/2021	
3/5/2021	
3/9/2021	
9/13/2021	
9/14/2021	
9/15/2021	<0.01
9/16/2021	

Time Series

Constituent: pH, Field (SU) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-10	DGWC-11	DGWC-12	DGWC-13	DGWC-14	DGWC-15
8/31/2016				4.58	5.83			5.68	
9/1/2016					5.67				
9/6/2016							5.69		5.79
9/7/2016									
12/6/2016				4.9	5.91			5.63	
12/7/2016						5.65	5.96		5.94
12/8/2016									
3/28/2017	6.29		5.94						
3/29/2017				4.62	5.74	5.61		5.68	
3/30/2017							5.94		5.8
5/11/2017	6.6								
5/12/2017			5.46						
5/15/2017		5.72							
6/15/2017	6.41	5.74							
6/16/2017			5.81						
7/11/2017		5.62	5.74						
7/12/2017	5.91			4.81	5.82	5.81	5.84	5.66	5.81
8/8/2017		5.6							
10/24/2017	5.51	5.71	5.86	4.8	5.79				
10/25/2017						6.07		6.18	5.9
11/15/2017	6.5		5.77	4.9			5.87		
2/27/2018		5.5	5.66	5.55	5.94	5.73		5.63	
2/28/2018							5.99		5.8
3/8/2018	6.18								
7/10/2018		5.44	5.63	5.27	5.62		5.92		
7/11/2018								5.61	5.87
7/12/2018	6.33								
11/6/2018		5.71	5.79	5.3	5.69				
11/7/2018	6.22					5.85	5.87	5.58	5.9
3/12/2019		5.52	5.74	5.26	5.7	5.98			
3/13/2019	6						5.79	5.61	
3/14/2019									5.77
8/27/2019		5.53	5.87	5.14	5.55	5.55		5.58	
8/28/2019	6.04						5.71		5.88
9/17/2019						5.6			
10/15/2019		5.61	5.88	4.96	5.6	5.89			
10/16/2019	6.69						5.69	5.66	
10/17/2019									5.76
10/18/2019									
3/2/2020		5.54	5.77		5.62	6.13			
3/3/2020				4.77			5.71	5.73	5.79
3/4/2020									
3/9/2020	6.41								
8/11/2020		5.86	5.96	4.92	5.68	5.69		5.73	
8/12/2020							5.68		
8/13/2020	6.17								6.58
8/14/2020									
9/22/2020	6.43	6.01	6.06		5.54	6		5.7	
9/23/2020							5.72		5.85
9/24/2020				4.89					
3/1/2021		5.43	5.8						
3/2/2021					5.59		5.68	5.69	5.81

Time Series

Constituent: pH, Field (SU) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		4.64	
9/6/2016			
9/7/2016	5.05		
12/6/2016			
12/7/2016		4.63	
12/8/2016	5.12		
3/28/2017			
3/29/2017		4.7	
3/30/2017	5.08		5.75
5/11/2017			5.67
5/12/2017			
5/15/2017			
6/15/2017			5.75
6/16/2017			
7/11/2017			5.87
7/12/2017	5	4.76	
8/8/2017			
10/24/2017			5.82
10/25/2017	5.73	4.66	
11/15/2017			
2/27/2018			5.85
2/28/2018	5.22	4.63	
3/8/2018			
7/10/2018			
7/11/2018	5.07	4.71	5.85
7/12/2018			
11/6/2018			5.88
11/7/2018	5.09	4.69	
3/12/2019			5.94
3/13/2019	5.07	4.76	
3/14/2019			
8/27/2019	4.96		5.94
8/28/2019		4.85	
9/17/2019			
10/15/2019			
10/16/2019		4.87	
10/17/2019			6.16
10/18/2019	5.08		
3/2/2020			
3/3/2020	5.07	4.89	5.94
3/4/2020	5.07		
3/9/2020			
8/11/2020		4.9	6.04
8/12/2020			
8/13/2020			
8/14/2020	5.01		
9/22/2020		4.91	
9/23/2020			5.99
9/24/2020	5.1		
3/1/2021			
3/2/2021		4.84	6.01

Time Series

Constituent: pH, Field (SU) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
3/3/2021	5.23		
3/4/2021			
3/12/2021			
9/8/2021			
9/9/2021		4.82	6
9/10/2021			
9/13/2021	5.06		

Time Series

Constituent: pH, Field (SU) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
8/30/2016									
8/31/2016									4.31
9/1/2016							5.11	4.7	
9/2/2016	4.7	5.7	5.74						
9/7/2016						5.35			
12/6/2016									4.43
12/8/2016		5.64	6.03			5.41	5.71	4.58	
3/28/2017					6.01				4.44
3/29/2017	4.7		5.77						
3/30/2017		5.79		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
7/12/2017	4.67	5.71		5.97					
7/13/2017			5.71			5.27	4.95	4.3	
10/24/2017					5.99				
10/25/2017	4.71	5.68	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
2/28/2018	4.51	5.71	5.77			5.37			
3/1/2018				6.19			3.93		
3/2/2018								4.14	
7/10/2018					5.96				4.77
7/11/2018	4.68					5.19			
7/12/2018			5.62	5.97			4.33	4.36	
11/6/2018					5.97				4.89
11/7/2018	4.64	5.61	5.71			5.18	4.48	4.23	
11/8/2018				5.96					
3/12/2019					5.85				4.42
3/13/2019	4.65	5.62							
3/14/2019			5.67	5.99		5.1	3.88	4.12	
8/27/2019					5.84				4.83
8/28/2019						5.3			
8/29/2019	4.64	5.61	5.66	5.96			4.35	4.28	
10/15/2019					5.98				
10/16/2019									4.78
10/17/2019	4.64	5.57				5.2	4.6		
10/18/2019			5.61	5.99				4.22	
3/2/2020					5.88				4.8
3/3/2020		5.65	5.74						
3/4/2020	4.22			5.68		5.18	3.86	4.27	
8/3/2020									
8/11/2020									
8/12/2020					5.93		4.43		4.84
8/13/2020	4.36			6		5.34		4.26	
8/14/2020		5.66	5.76						
8/17/2020									
9/22/2020	4.66				5.88	5.76			4.83
9/23/2020							4.4	4.64	
9/24/2020		5.64	5.69	6.19					

Time Series

Constituent: pH, Field (SU) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
9/25/2020									
3/1/2021					5.82				
3/2/2021	4.45								5
3/3/2021		5.63	5.71	5.85		5.3	3.98	4.14	
3/8/2021									
9/9/2021		5.73		6					
9/10/2021	4.67		5.65		5.83		4.1	4.3	4.89
9/13/2021						5.15			

Time Series

Constituent: pH, Field (SU) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	5.33	4.08	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	5.39	4.15	
12/8/2016			
3/28/2017		4.16	
3/29/2017	5.23		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	5.33	4.23	
7/12/2017			
7/13/2017			
10/24/2017	5.05	4.06	
10/25/2017			
10/26/2017			
11/15/2017			
2/27/2018	5.08	4.04	
2/28/2018			
3/1/2018			
3/2/2018			
7/10/2018	5.11		
7/11/2018		4.03	
7/12/2018			
11/6/2018	5.13	4	
11/7/2018			
11/8/2018			
3/12/2019	5.07	3.98	
3/13/2019			
3/14/2019			
8/27/2019		4.02	
8/28/2019	5.11		
8/29/2019			
10/15/2019			
10/16/2019	5.33		
10/17/2019		4.02	
10/18/2019			
3/2/2020			
3/3/2020	5.12	4.07	
3/4/2020			
8/3/2020			4.93
8/11/2020		4	
8/12/2020	5.36		
8/13/2020			
8/14/2020			
8/17/2020			5.02
9/22/2020		4	
9/23/2020	5.21		
9/24/2020			

Time Series

Constituent: pH, Field (SU) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
9/25/2020			5.53
3/1/2021			
3/2/2021	6.6	3.99	
3/3/2021			
3/8/2021			5.32
9/9/2021			
9/10/2021		3.98	
9/13/2021	5.05		5.27

Time Series

Constituent: pH, Field (SU) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
9/11/2019									
10/21/2019									
8/13/2020									
8/17/2020									
9/24/2020									
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	
1/13/2021							6.42		
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							6.42		
3/12/2021									
4/14/2021									4.8
4/15/2021									
9/9/2021									
9/10/2021		5.36					6.86		
9/13/2021	6.07			5.91	5.88				
9/14/2021			8.58			5.81		7.29	5.38

Time Series

Constituent: pH, Field (SU) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	B-120D	B-56	B-62
9/11/2019			6.27
10/21/2019			6.24
8/13/2020			6.4
8/17/2020		4.82	
9/24/2020			6.55
9/28/2020		4.9	
12/9/2020			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		4.71	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			6.34
4/14/2021			
4/15/2021	5.46		
9/9/2021			6.31
9/10/2021			
9/13/2021		4.69	
9/14/2021	5.3		

Time Series

Constituent: pH, Field (SU) Analysis Run 11/8/2021 1:03 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
1/28/2019	5.39								
1/30/2019		6.83							
9/11/2019	5.48								
9/12/2019		6.87							
9/18/2019			6.14						
9/23/2019				5.21					
10/21/2019		6.74		5.34	5.54				
10/22/2019	5.55								
10/24/2019			6.26						
8/13/2020			6.14						
8/14/2020					5.59				
8/17/2020				5.48		5.76			
8/19/2020								4.78	
9/24/2020			6.46						
9/25/2020					5.97	5.75			
9/28/2020				5.84				4.67	
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									
9/13/2021						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 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-98

1/28/2019	
1/30/2019	
9/11/2019	
9/12/2019	
9/18/2019	
9/23/2019	
10/21/2019	
10/22/2019	
10/24/2019	
8/13/2020	
8/14/2020	
8/17/2020	
8/19/2020	
9/24/2020	
9/25/2020	
9/28/2020	
3/4/2021	
3/5/2021	
3/9/2021	
3/12/2021	
3/15/2021	6.3
9/13/2021	
9/14/2021	
9/15/2021	5.4
9/16/2021	

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-10	DGWC-11	DGWC-12	DGWC-13	DGWC-14	DGWC-15
8/31/2016				0.0366	<0.005			0.0016 (J)	
9/1/2016						0.0017 (J)			
9/6/2016							0.0011 (J)		<0.005
9/7/2016									
12/6/2016				0.0026 (J)	<0.005			<0.005	
12/7/2016						<0.005	0.0015 (J)		<0.005
12/8/2016									
3/28/2017	<0.005	<0.005	<0.005						
3/29/2017				0.0286	<0.005	0.0017 (J)		<0.005	
3/30/2017							0.0015 (J)		<0.005
5/11/2017	<0.005								
5/12/2017			<0.005						
5/15/2017		<0.005							
6/15/2017	<0.005	<0.005							
6/16/2017			<0.005						
7/11/2017		<0.005	<0.005						
7/12/2017	<0.005			0.0257	<0.005	0.0019 (J)	<0.005	<0.005	<0.005
8/8/2017		<0.005							
10/24/2017	<0.005	<0.005	<0.005	0.0281	<0.005				
10/25/2017						0.0024 (J)		<0.005	<0.005
11/15/2017							0.0019 (J)		
2/27/2018		<0.005	<0.005	0.0667	<0.005	<0.005		<0.005	
2/28/2018							<0.005		<0.005
3/8/2018	<0.005								
7/11/2018						<0.005		0.002 (J)	<0.005
7/12/2018	<0.005								
11/6/2018		<0.005	<0.005	0.049	<0.005				
11/7/2018	<0.005					<0.01 (J)	<0.01 (J)	<0.01 (J)	<0.01 (J)
8/27/2019		<0.005	<0.005	0.015	<0.005	<0.005		<0.005	
8/28/2019	<0.005						0.0039 (J)		<0.005
9/17/2019						0.0014 (J)			
10/15/2019		<0.005	<0.005	0.071	<0.005	0.0019 (J)			
10/16/2019	<0.005						0.0031 (J)	0.0017 (J)	
10/17/2019									<0.005
10/18/2019									
3/2/2020		<0.005	<0.005		<0.005	<0.005			
3/3/2020				0.021			0.0062 (J)	0.0014 (J)	<0.005
3/4/2020									
3/9/2020	<0.005								
8/11/2020		<0.005	<0.005	0.023	<0.005	0.0019 (J)		<0.005	
8/12/2020							0.0038 (J)		
8/13/2020	<0.005								0.0018 (J)
8/14/2020									
9/22/2020	<0.005	<0.005	<0.005		<0.005	<0.005		<0.005	
9/23/2020							0.0053 (J)		<0.005
9/24/2020				0.074					
3/1/2021		<0.005	<0.005						
3/2/2021					<0.005		0.006	<0.005	<0.005
3/3/2021						<0.005			
3/4/2021				0.05					
3/12/2021	<0.005								
9/8/2021			<0.005						

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		0.0093 (J)	
9/6/2016			
9/7/2016	0.007 (J)		
12/6/2016			
12/7/2016		<0.005	
12/8/2016	0.0087 (J)		
3/28/2017			
3/29/2017		0.0071 (J)	
3/30/2017	0.0099 (J)		<0.005
5/11/2017			<0.005
5/12/2017			
5/15/2017			
6/15/2017			<0.005
6/16/2017			
7/11/2017			<0.005
7/12/2017	0.0072 (J)	0.0065 (J)	
8/8/2017			
10/24/2017			<0.005
10/25/2017	0.0078 (J)	0.0087 (J)	
11/15/2017			
2/27/2018			<0.005
2/28/2018	<0.005	0.0114	
3/8/2018			
7/11/2018	0.007 (J)	0.0036 (J)	0.0045 (J)
7/12/2018			
11/6/2018			<0.01 (J)
11/7/2018	<0.005	<0.01 (J)	
8/27/2019	0.0073 (J)		0.0069 (J)
8/28/2019		0.004 (J)	
9/17/2019			
10/15/2019			
10/16/2019		0.006 (J)	
10/17/2019			0.0051 (J)
10/18/2019	0.0093 (J)		
3/2/2020			
3/3/2020		0.0066 (J)	0.0047 (J)
3/4/2020	0.0074 (J)		
3/9/2020			
8/11/2020		0.0096 (J)	0.0053 (J)
8/12/2020			
8/13/2020			
8/14/2020	0.0084 (J)		
9/22/2020		0.0052 (J)	
9/23/2020			0.0046 (J)
9/24/2020	0.015		
3/1/2021			
3/2/2021		0.0091	0.0037 (J)
3/3/2021	0.0072		
3/4/2021			
3/12/2021			
9/8/2021			

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
9/9/2021		0.0083	0.0031 (J)
9/10/2021			
9/13/2021	0.0071		

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
9/9/2021		<0.005		<0.005					
9/10/2021	0.031		<0.005		<0.005		0.0035 (J)	0.0022 (J)	0.0099
9/13/2021						<0.005			

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	0.0032 (J)	0.0833	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	<0.005	0.0065 (J)	
12/7/2016			
12/8/2016			
3/28/2017		0.0954	
3/29/2017	0.0048 (J)		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	0.0031 (J)	0.0561	
7/12/2017			
7/13/2017			
10/24/2017	0.0069 (J)	0.0653	
10/25/2017			
10/26/2017			
2/27/2018	<0.005	0.13	
2/28/2018			
3/1/2018			
3/2/2018			
7/11/2018		0.045	
7/12/2018			
11/6/2018	<0.01 (J)	0.12	
11/7/2018			
11/8/2018			
8/27/2019		0.067	
8/28/2019	<0.005		
8/29/2019			
10/15/2019			
10/16/2019	0.0016 (J)		
10/17/2019		0.19	
10/18/2019			
3/2/2020			
3/3/2020	0.0018 (J)	0.046	
3/4/2020			
8/11/2020		0.11	
8/12/2020	<0.005		
8/13/2020			
8/14/2020			
8/17/2020			<0.005
9/22/2020		0.23	
9/23/2020	0.0028 (J)		
9/24/2020			
9/25/2020			<0.005
3/1/2021			
3/2/2021	<0.005	0.07	
3/3/2021			
3/8/2021			0.0019 (J)

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
9/9/2021			
9/10/2021		0.057	
9/13/2021	<0.005		<0.005

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
1/30/2019									
9/11/2019									
10/21/2019									
8/13/2020									
8/17/2020									
9/24/2020									
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	
1/13/2021							<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							<0.005		
3/12/2021									
4/14/2021									0.006
4/15/2021									
9/9/2021									
9/10/2021		<0.005					<0.005		
9/13/2021	<0.005			<0.005	<0.005				
9/14/2021			<0.005			<0.005		<0.005	0.0041 (J)

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	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		0.011	
9/24/2020			<0.005
9/28/2020		0.029	
12/9/2020			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		0.013	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			<0.005
4/14/2021			
4/15/2021	0.0016 (J)		
9/9/2021			<0.005
9/10/2021			
9/13/2021		0.011	
9/14/2021	0.0022 (J)		

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/8/2021 1:03 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
2/19/2018		<0.005							
1/28/2019	<0.005								
1/30/2019		<0.005							
9/11/2019	<0.005								
9/12/2019		<0.005							
9/18/2019			<0.005						
9/23/2019				<0.005					
10/21/2019		<0.005		0.0016 (J)	0.0082 (J)				
10/22/2019	<0.005								
10/24/2019			<0.005						
8/13/2020			<0.005						
8/14/2020					0.015				
8/17/2020				<0.005		0.0017 (J)			
8/19/2020								0.018	
9/24/2020			<0.005						
9/25/2020					0.019	0.0033 (J)			
9/28/2020				0.0021 (J)				0.036	
3/4/2021			0.0017 (J)		0.024				
3/5/2021						0.0033 (J)			
3/9/2021								0.0099 (J)	
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				

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-98

2/19/2018
1/28/2019
1/30/2019
9/11/2019
9/12/2019
9/18/2019
9/23/2019
10/21/2019
10/22/2019
10/24/2019
8/13/2020
8/14/2020
8/17/2020
8/19/2020
9/24/2020
9/25/2020
9/28/2020
3/4/2021
3/5/2021
3/9/2021
9/13/2021
9/14/2021
9/15/2021
9/16/2021

0.0033 (J)

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		240	
9/6/2016			
9/7/2016	230		
12/6/2016			
12/7/2016		250	
12/8/2016	240		
3/28/2017			
3/29/2017		250	
3/30/2017	260		360
5/11/2017			340
5/12/2017			
5/15/2017			
6/15/2017			300
6/16/2017			
7/11/2017			330
7/12/2017	230	250	
8/8/2017			
10/24/2017			260
10/25/2017	240	270	
11/15/2017			
2/27/2018			189
2/28/2018	203	244	
3/8/2018			
7/11/2018	234	249	162
7/12/2018			
11/6/2018			190
11/7/2018	248	266	
3/12/2019			159
3/13/2019	268	299	
3/14/2019			
10/15/2019			
10/16/2019		323	
10/17/2019			134
10/18/2019	222		
3/2/2020			
3/3/2020		292	118
3/4/2020	222		
3/9/2020			
9/22/2020		310	
9/23/2020			122
9/24/2020	259		
3/1/2021			
3/2/2021		324	112
3/3/2021	237		
3/4/2021			
3/12/2021			
9/8/2021			
9/9/2021		315	110
9/10/2021			
9/13/2021	222		

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
8/30/2016									
8/31/2016									400
9/1/2016							470	540	
9/2/2016	580	300	140						
9/7/2016						370			
12/6/2016									460
12/7/2016	650								
12/8/2016		280	260			350	400	540	
3/28/2017					680				380
3/29/2017	640		290						
3/30/2017		270		220				550	
3/31/2017						380	350		
5/12/2017				220	680				
6/15/2017				200	730				
7/11/2017					740				440
7/12/2017	630	290		220					
7/13/2017			300			370	270	500	
10/24/2017					930				
10/25/2017	610	290	290			370			510
10/26/2017				220			290	510	
11/15/2017					820				
2/27/2018					811				453
2/28/2018	584	267	278			350			
3/1/2018				209			245		
3/2/2018								456	
7/11/2018	501	277				366			
7/12/2018			197	202			240	409	
11/6/2018					902				556
11/7/2018	554	286	320			439	143	432	
11/8/2018				292					
3/12/2019					987				484
3/13/2019	539	312							
3/14/2019			297	266		404	238	450	
10/15/2019					888				
10/16/2019									493
10/17/2019	426	255				321	179		
10/18/2019			254	203				336	
3/2/2020					840				455
3/3/2020		269	242						
3/4/2020	434			204		329	176	368	
9/22/2020	408				800	320			423
9/23/2020							111	313	
9/24/2020		269	262	215					
9/25/2020									
3/1/2021					840				
3/2/2021	458								412
3/3/2021		264	252	221		329	143	312	
3/8/2021									
9/9/2021		238		217					
9/10/2021	399		234		823		123	272	449
9/13/2021						285			

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	450	300	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	480	320	
12/7/2016			
12/8/2016			
3/28/2017		300	
3/29/2017	660		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	440	320	
7/12/2017			
7/13/2017			
10/24/2017	430	430	
10/25/2017			
10/26/2017			
11/15/2017			
2/27/2018	340	327	
2/28/2018			
3/1/2018			
3/2/2018			
7/11/2018		344	
7/12/2018			
11/6/2018	307	438	
11/7/2018			
11/8/2018			
3/12/2019	295	362	
3/13/2019			
3/14/2019			
10/15/2019			
10/16/2019	235		
10/17/2019		331	
10/18/2019			
3/2/2020			
3/3/2020	195	247	
3/4/2020			
9/22/2020		282	
9/23/2020	178		
9/24/2020			
9/25/2020			385
3/1/2021			
3/2/2021	152	266	
3/3/2021			
3/8/2021			388
9/9/2021			
9/10/2021		264	
9/13/2021	145		351

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
1/30/2019									
10/21/2019									
9/24/2020									
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	
1/13/2021							99.8		
3/3/2021									
3/4/2021		256	474	170	309	309			
3/5/2021	236							270	
3/8/2021							102		
3/12/2021									
4/14/2021									256
4/15/2021									
9/9/2021									
9/10/2021		271					93.2		
9/13/2021	174			147	275				
9/14/2021			456			299		243	278

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	B-120D	B-56	B-62
1/30/2019			74.7
10/21/2019			55.3
9/24/2020			50.6
9/28/2020		211	
12/9/2020			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		225	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			46.5
4/14/2021			
4/15/2021	556		
9/9/2021			49.2
9/10/2021			
9/13/2021		189	
9/14/2021	552		

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/8/2021 1:03 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
1/28/2019	87.9								
1/30/2019		292							
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
9/24/2020			2.9						
9/25/2020					107	344			
9/28/2020				287				419	
3/4/2021			4.9		113				
3/5/2021						497			
3/9/2021								488	
9/13/2021						321			
9/14/2021	73.2	268	2.5	326					
9/15/2021							384	478	551
9/16/2021					106				

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

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1/28/2019	
1/30/2019	
10/21/2019	
10/22/2019	
10/24/2019	
11/22/2019	
12/18/2019	
12/19/2019	
2/17/2020	150
9/24/2020	
9/25/2020	
9/28/2020	
3/4/2021	
3/5/2021	
3/9/2021	
9/13/2021	
9/14/2021	
9/15/2021	325
9/16/2021	

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-10	DGWC-11	DGWC-12	DGWC-13	DGWC-14	DGWC-15
8/31/2016				0.0004 (J)	<0.001			<0.001	
9/1/2016						<0.001			
9/6/2016							<0.001		<0.001
9/7/2016									
12/6/2016				0.0004 (J)	<0.001			<0.001	
12/7/2016						<0.001	<0.001		<0.001
12/8/2016									
3/28/2017	<0.001	<0.001	6E-05 (J)						
3/29/2017				0.0006 (J)	<0.001	8E-05 (J)		<0.001	
3/30/2017							<0.001		<0.001
5/11/2017	<0.001								
5/12/2017			<0.001						
5/15/2017		<0.001							
6/15/2017	<0.001	<0.001							
6/16/2017			<0.001						
7/11/2017		<0.001	<0.001						
7/12/2017	<0.001			0.0005 (J)	<0.001	9E-05 (J)	<0.001	<0.001	<0.001
8/8/2017		<0.001							
10/24/2017	<0.001	<0.001	<0.001	0.0004 (J)	<0.001				
10/25/2017						9E-05 (J)		<0.001	<0.001
11/15/2017							<0.001		
2/27/2018		<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	
2/28/2018							<0.001		<0.001
3/8/2018	<0.001								
7/11/2018						<0.001		<0.001	<0.001
7/12/2018	<0.001								
11/6/2018		<0.001	<0.001	<0.001 (J)	<0.001				
11/7/2018	<0.001					<0.001	<0.001	<0.001	<0.001 (J)
8/27/2019		<0.001	<0.001	0.00036 (J)	<0.001	8.9E-05 (J)		<0.001	
8/28/2019	<0.001						<0.001		<0.001
9/17/2019						9.7E-05 (J)			
10/15/2019		<0.001	<0.001	0.00039 (J)	<0.001	9.1E-05 (J)			
10/16/2019	<0.001						<0.001	<0.001	
10/17/2019									<0.001
10/18/2019									
3/2/2020		7.8E-05 (J)	<0.001		<0.001	0.00013 (J)			
3/3/2020				0.00042 (J)			<0.001	<0.001	<0.001
3/4/2020									
3/9/2020	<0.001								
8/11/2020		<0.001	<0.001	0.00037 (J)	<0.001	<0.001		<0.001	
8/12/2020							<0.001		
8/13/2020	<0.001								<0.001
8/14/2020									
9/22/2020	<0.001	<0.001	<0.001		<0.001	<0.001		<0.001	
9/23/2020							<0.001		<0.001
9/24/2020				0.00034 (J)					
3/1/2021		<0.001	<0.001						
3/2/2021					<0.001		<0.001	<0.001	<0.001
3/3/2021						<0.001			
3/4/2021				0.00042 (J)					
3/12/2021	<0.001								
9/8/2021			<0.001						

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		0.0005 (J)	
9/6/2016			
9/7/2016	<0.001		
12/6/2016			
12/7/2016		0.0005 (J)	
12/8/2016	<0.001		
3/28/2017			
3/29/2017		0.0004 (J)	
3/30/2017	0.0002 (J)		<0.001
5/11/2017			<0.001
5/12/2017			
5/15/2017			
6/15/2017			<0.001
6/16/2017			
7/11/2017			<0.001
7/12/2017	0.0002 (J)	0.0005 (J)	
8/8/2017			
10/24/2017			<0.001
10/25/2017	0.0002 (J)	0.0004 (J)	
11/15/2017			
2/27/2018			<0.001
2/28/2018	0.00015 (J)	0.00049 (J)	
3/8/2018			
7/11/2018	0.00017 (J)	0.0005 (J)	<0.001
7/12/2018			
11/6/2018			<0.001
11/7/2018	<0.001	<0.001 (J)	
8/27/2019	0.00018 (J)		<0.001
8/28/2019		0.00053 (J)	
9/17/2019			
10/15/2019			
10/16/2019		0.00053 (J)	
10/17/2019			<0.001
10/18/2019	0.00014 (J)		
3/2/2020			
3/3/2020		0.0006 (J)	<0.001
3/4/2020	0.00019 (J)		
3/9/2020			
8/11/2020		0.00059 (J)	<0.001
8/12/2020			
8/13/2020			
8/14/2020	0.00019 (J)		
9/22/2020		0.0005 (J)	
9/23/2020			<0.001
9/24/2020	0.00018 (J)		
3/1/2021			
3/2/2021		0.00056 (J)	<0.001
3/3/2021	0.00017 (J)		
3/4/2021			
3/12/2021			
9/8/2021			

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
9/9/2021		0.00056 (J)	<0.001
9/10/2021			
9/13/2021	<0.001		

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
9/9/2021		<0.001		<0.001					
9/10/2021	0.00052 (J)		<0.001		<0.001		0.00036 (J)	<0.001	<0.001
9/13/2021						<0.001			

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	<0.001	<0.001	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	<0.001	0.0006 (J)	
12/7/2016			
12/8/2016			
3/28/2017		0.0007 (J)	
3/29/2017	0.0002 (J)		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	0.0001 (J)	0.0007 (J)	
7/12/2017			
7/13/2017			
10/24/2017	0.0003 (J)	0.0006 (J)	
10/25/2017			
10/26/2017			
2/27/2018	0.00033 (J)	0.00038 (J)	
2/28/2018			
3/1/2018			
3/2/2018			
7/11/2018		<0.001	
7/12/2018			
11/6/2018	<0.001 (J)	<0.001	
11/7/2018			
11/8/2018			
8/27/2019		0.00053 (J)	
8/28/2019	0.00022 (J)		
8/29/2019			
10/15/2019			
10/16/2019	0.00025 (J)		
10/17/2019		0.00076 (J)	
10/18/2019			
3/2/2020			
3/3/2020	0.00023 (J)	0.00044 (J)	
3/4/2020			
8/11/2020		<0.001	
8/12/2020	0.00023 (J)		
8/13/2020			
8/14/2020			
8/17/2020			<0.001
9/22/2020		0.00043 (J)	
9/23/2020	0.0002 (J)		
9/24/2020			
9/25/2020			<0.001
3/1/2021			
3/2/2021	0.00019 (J)	<0.001	
3/3/2021			
3/8/2021			<0.001

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
9/9/2021			
9/10/2021		0.0004 (J)	
9/13/2021	0.00019 (J)		<0.001

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
1/30/2019									
9/11/2019									
10/21/2019									
8/13/2020									
8/17/2020									
9/24/2020									
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	
1/13/2021							<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									
4/14/2021									<0.001
4/15/2021									
9/9/2021									
9/10/2021		<0.001					<0.001		
9/13/2021	<0.001			<0.001	<0.001				
9/14/2021			<0.001			<0.001		<0.001	<0.001

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	B-120D	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
9/28/2020		0.00023 (J)	
12/9/2020			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		0.00026 (J)	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			<0.001
4/14/2021			
4/15/2021	<0.001		
9/9/2021			<0.001
9/10/2021			
9/13/2021		0.00024 (J)	
9/14/2021	<0.001		

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/8/2021 1:03 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
1/28/2019	<0.001								
1/30/2019		<0.001							
9/11/2019	<0.001								
9/12/2019		<0.001							
9/18/2019			<0.001						
9/23/2019				9.9E-05 (J)					
10/21/2019		<0.001		0.00011 (J)	7.2E-05 (J)				
10/22/2019	<0.001								
10/24/2019			<0.001						
8/13/2020			<0.001						
8/14/2020					<0.001				
8/17/2020				<0.001		<0.001			
8/19/2020								<0.001	
9/24/2020			<0.001						
9/25/2020					<0.001	<0.001			
9/28/2020				<0.001				<0.001	
3/4/2021			<0.001		<0.001				
3/5/2021						0.0002 (J)			
3/9/2021								<0.001	
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				

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-98

1/28/2019	
1/30/2019	
9/11/2019	
9/12/2019	
9/18/2019	
9/23/2019	
10/21/2019	
10/22/2019	
10/24/2019	
8/13/2020	
8/14/2020	
8/17/2020	
8/19/2020	
9/24/2020	
9/25/2020	
9/28/2020	
3/4/2021	
3/5/2021	
3/9/2021	
9/13/2021	
9/14/2021	
9/15/2021	<0.001
9/16/2021	

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		396	
9/6/2016			
9/7/2016	353		
12/6/2016			
12/7/2016		400	
12/8/2016	408		
3/28/2017			
3/29/2017		390	
3/30/2017	338		580
5/11/2017			573
5/12/2017			
5/15/2017			
6/15/2017			626
6/16/2017			
7/11/2017			542
7/12/2017	417	360	
8/8/2017			
10/24/2017			523
10/25/2017	343	423	
11/15/2017			
2/27/2018			401
2/28/2018	364	440	
3/8/2018			
7/11/2018	393	457	334
7/12/2018			
11/6/2018			334
11/7/2018	408	461	
3/12/2019			297
3/13/2019	802	113	
3/14/2019			
10/15/2019			
10/16/2019		500	
10/17/2019			302
10/18/2019	403		
3/2/2020			
3/3/2020		526	277
3/4/2020	414		
3/9/2020			
9/22/2020		513	
9/23/2020			267
9/24/2020	411		
3/1/2021			
3/2/2021		513	241
3/3/2021	384		
3/4/2021			
3/12/2021			
9/8/2021			
9/9/2021		480	260
9/10/2021			
9/13/2021	424		

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
8/30/2016									
8/31/2016									524
9/1/2016							704	845	
9/2/2016	1100	459	502						
9/7/2016						611			
12/6/2016									690
12/7/2016	930								
12/8/2016		491	464			535	587	777	
3/28/2017					1160				545
3/29/2017	923		462						
3/30/2017		436		380				775	
3/31/2017						661	545		
5/12/2017				438	1230				
6/15/2017				458	1290				
7/11/2017					1160				612
7/12/2017	956	505		461					
7/13/2017			492			641	441	789	
10/24/2017					229				
10/25/2017	854	474	477			626			650
10/26/2017				446			444	753	
11/15/2017					1330				
2/27/2018					1380				698
2/28/2018	888	480	476			616			
3/1/2018				454			435		
3/2/2018								704	
7/11/2018	826	485				638			
7/12/2018			486	432			372	705	
11/6/2018					1480				809
11/7/2018	834	516	511			626	348	678	
11/8/2018				450					
3/12/2019					1490				711
3/13/2019	639	486							
3/14/2019			491	453		630	378	625	
10/15/2019					1520				
10/16/2019									702
10/17/2019	751	498				612	327		
10/18/2019			480	448				593	
3/2/2020					1540				759
3/3/2020		490	452						
3/4/2020	761			408		721	334	630	
9/22/2020	724				1400	547			716
9/23/2020							229	575	
9/24/2020		494	455	456					
9/25/2020									
3/1/2021					1140				
3/2/2021	742								730
3/3/2021		459	442	425		531	228	521	
3/8/2021									
9/9/2021		396		455					
9/10/2021	678		468		1520		274	532	792
9/13/2021						508			

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	693	414	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	727	449	
12/7/2016			
12/8/2016			
3/28/2017		404	
3/29/2017	654		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	679	436	
7/12/2017			
7/13/2017			
10/24/2017	468	599	
10/25/2017			
10/26/2017			
11/15/2017			
2/27/2018	520	482	
2/28/2018			
3/1/2018			
3/2/2018			
7/11/2018		532	
7/12/2018			
11/6/2018	456	554	
11/7/2018			
11/8/2018			
3/12/2019	438	493	
3/13/2019			
3/14/2019			
10/15/2019			
10/16/2019	374		
10/17/2019		550	
10/18/2019			
3/2/2020			
3/3/2020	369	444	
3/4/2020			
9/22/2020		461	
9/23/2020	333		
9/24/2020			
9/25/2020			724
3/1/2021			
3/2/2021	291	449	
3/3/2021			
3/8/2021			660
9/9/2021			
9/10/2021		466	
9/13/2021	306		636

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
1/30/2019									
10/21/2019									
9/24/2020									
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	
1/13/2021							303		
3/3/2021									
3/4/2021		459	818	321	525	569			
3/5/2021	462							634	
3/8/2021							305		
3/12/2021									
4/14/2021									480
4/15/2021									
9/9/2021									
9/10/2021		474					284		
9/13/2021	343			296	567				
9/14/2021			776			576		586	499

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	B-120D	B-56	B-62
1/30/2019			287
10/21/2019			180
9/24/2020			170
9/28/2020		320	
12/9/2020			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		303	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			172
4/14/2021			
4/15/2021	982		
9/9/2021			174
9/10/2021			
9/13/2021		321	
9/14/2021	882		

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/8/2021 1:03 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
1/28/2019	204								
1/30/2019		601							
10/21/2019		617		458	214				
10/22/2019	178								
10/24/2019			106						
9/24/2020			124						
9/25/2020					244	624			
9/28/2020				454				686	
3/4/2021			128		234				
3/5/2021						798			
3/9/2021								790	
9/13/2021						572			
9/14/2021	170	490	94	536					
9/15/2021							612	812	892
9/16/2021					223				

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

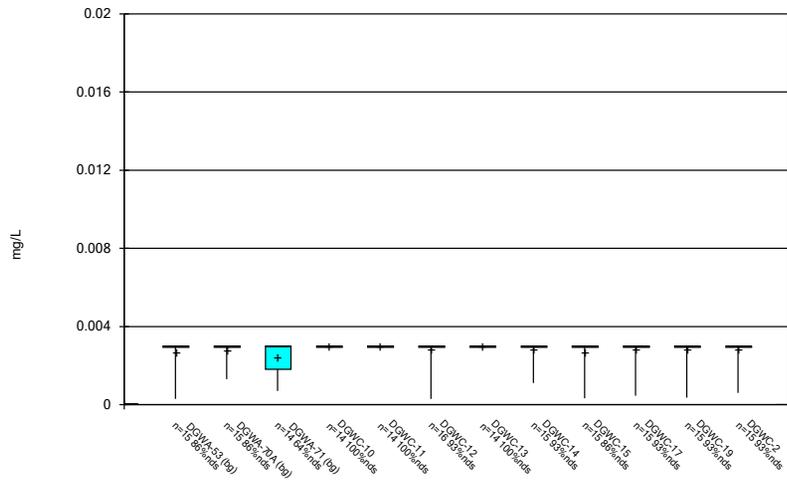
B-98

1/28/2019
1/30/2019
10/21/2019
10/22/2019
10/24/2019
9/24/2020
9/25/2020
9/28/2020
3/4/2021
3/5/2021
3/9/2021
9/13/2021
9/14/2021
9/15/2021
9/16/2021

524

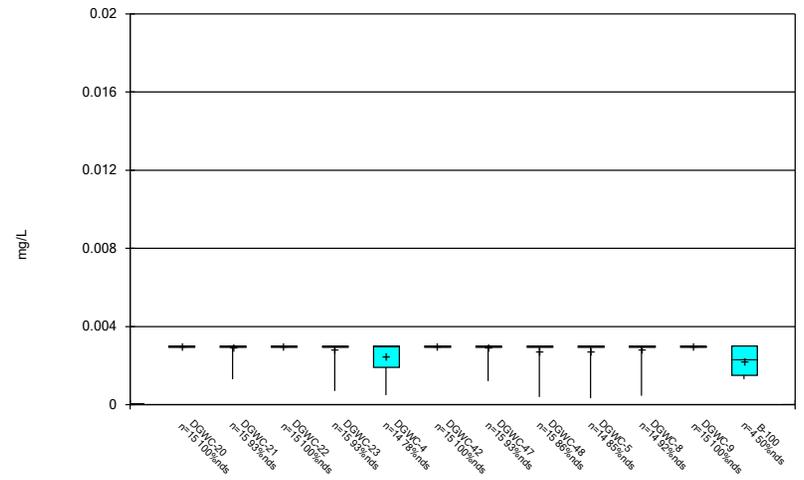
FIGURE B.

Box & Whiskers Plot



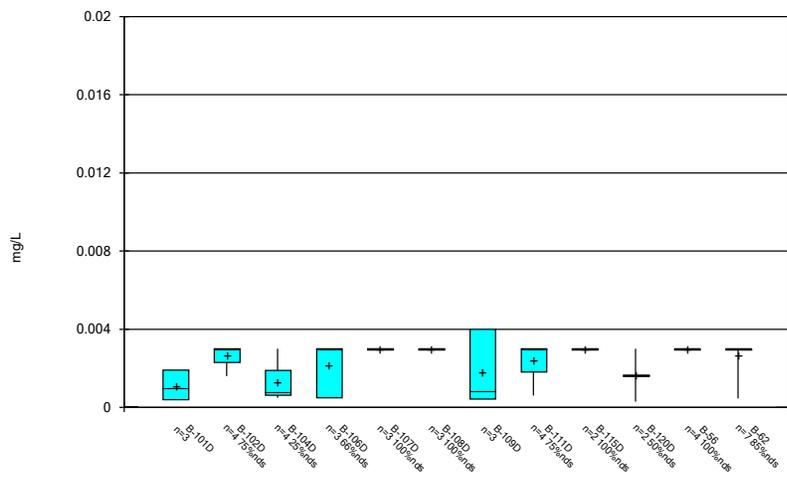
Constituent: Antimony Analysis Run 11/8/2021 1:08 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



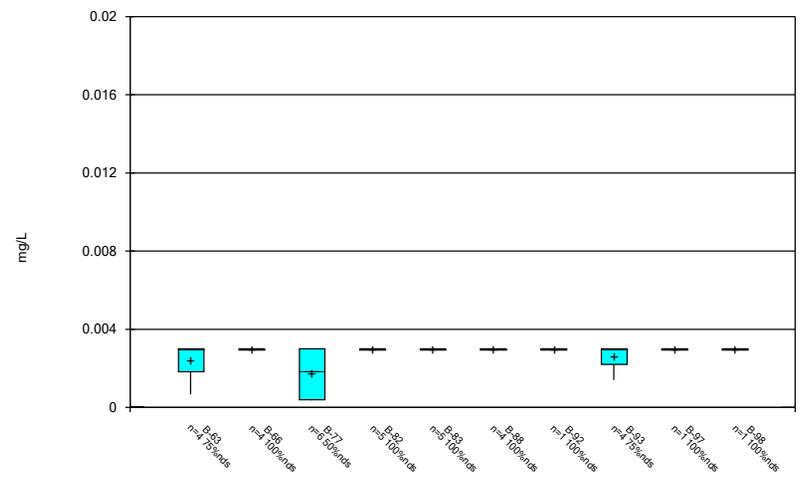
Constituent: Antimony Analysis Run 11/8/2021 1:08 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



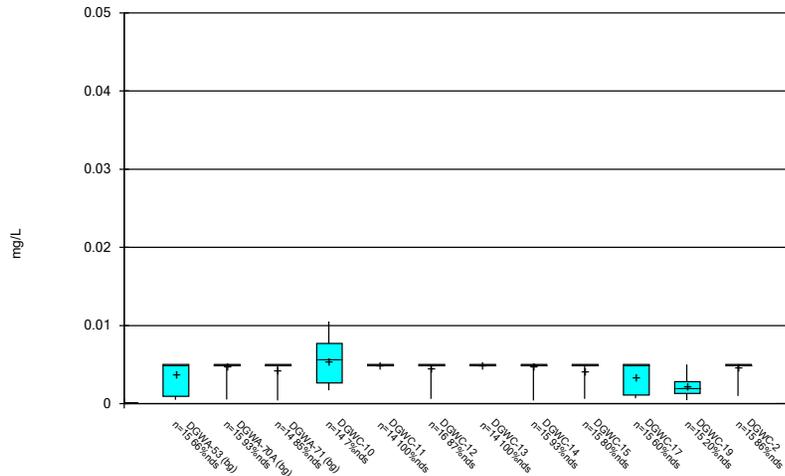
Constituent: Antimony Analysis Run 11/8/2021 1:08 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



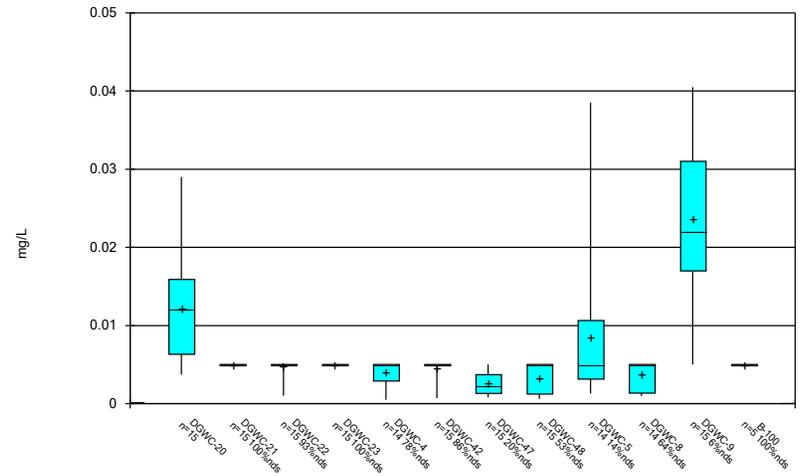
Constituent: Antimony Analysis Run 11/8/2021 1:08 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



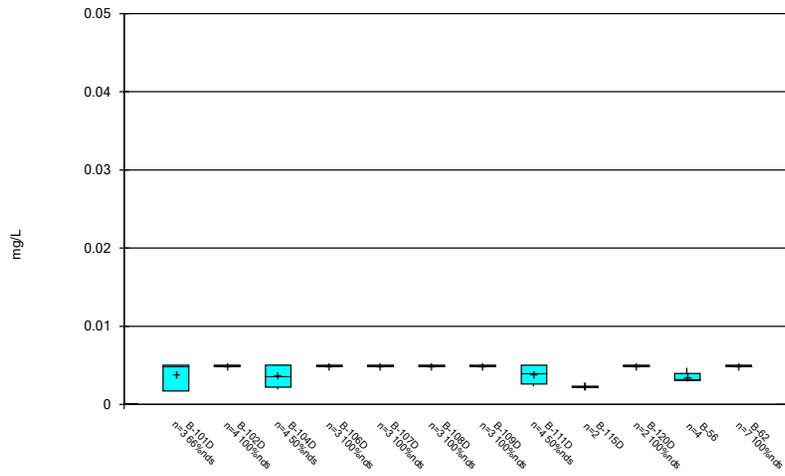
Constituent: Arsenic Analysis Run 11/8/2021 1:08 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



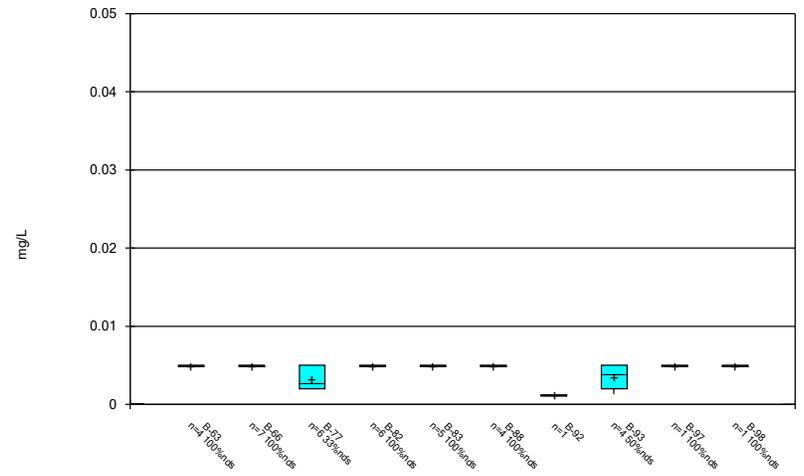
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



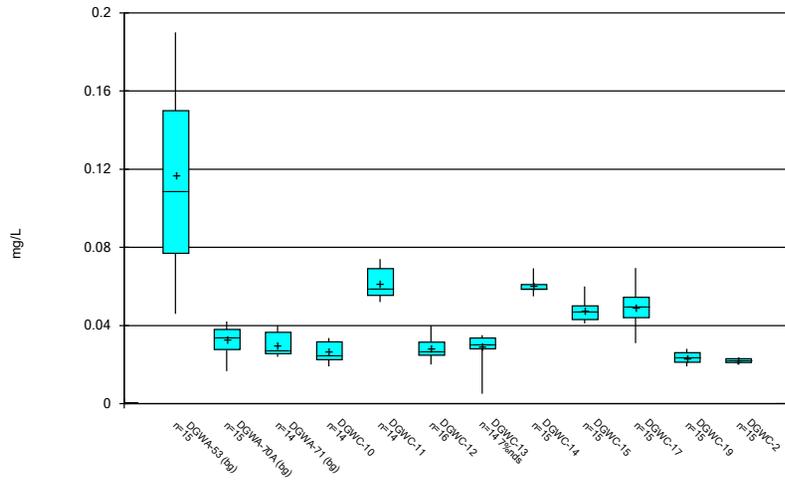
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



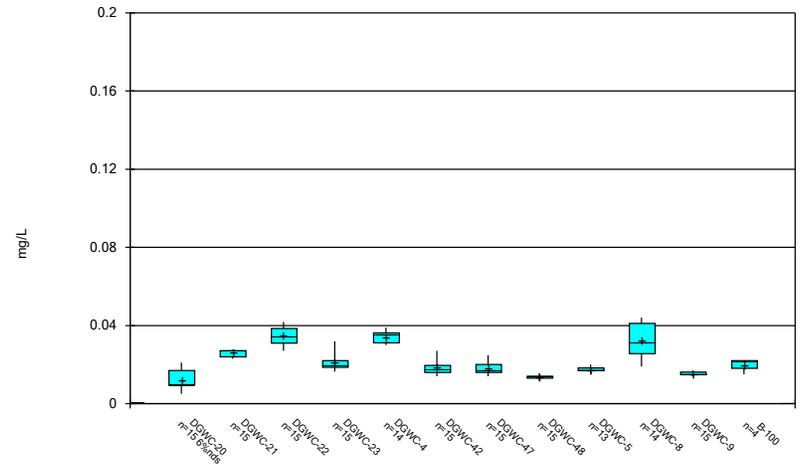
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



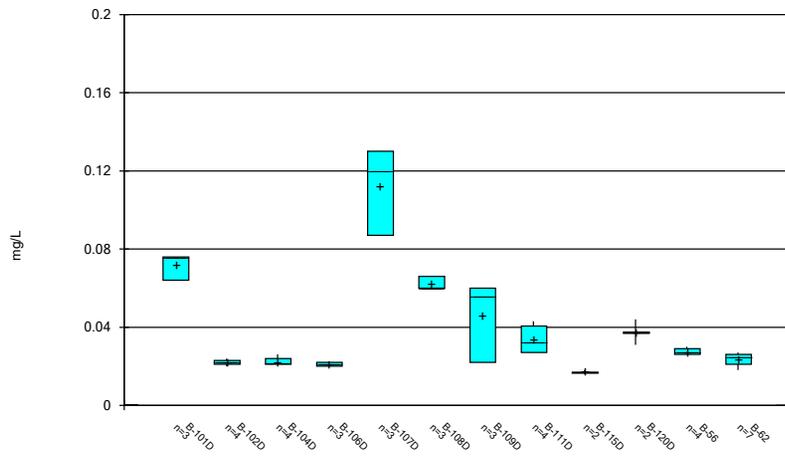
Constituent: Barium Analysis Run 11/8/2021 1:08 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



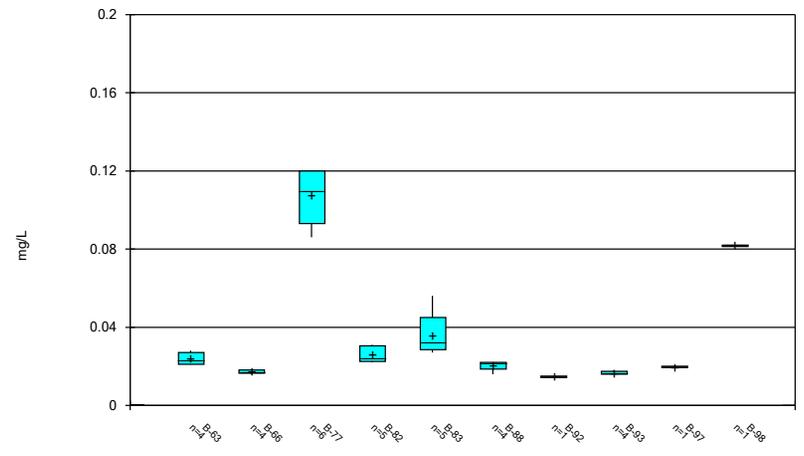
Constituent: Barium Analysis Run 11/8/2021 1:08 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



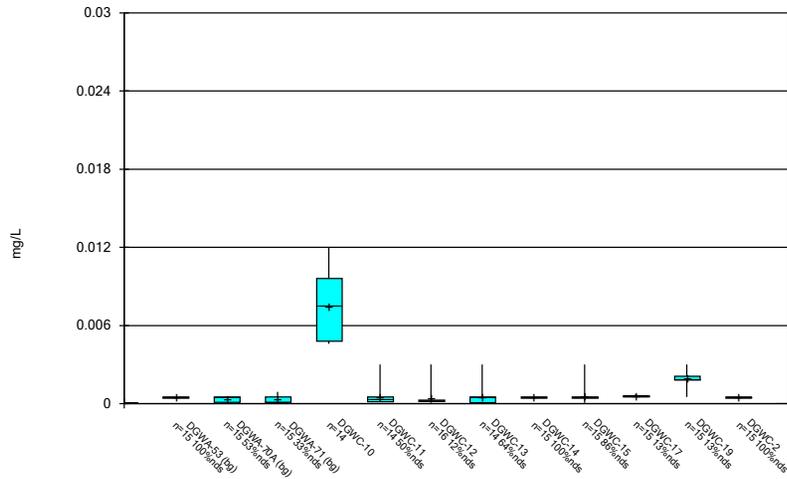
Constituent: Barium Analysis Run 11/8/2021 1:08 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



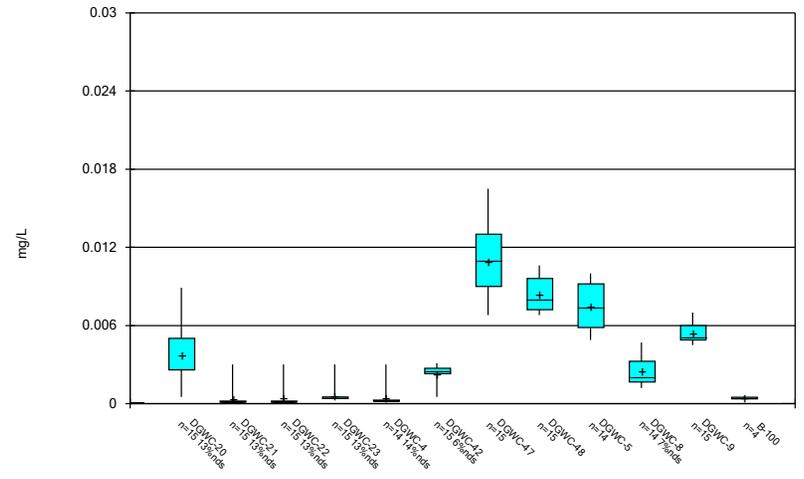
Constituent: Barium Analysis Run 11/8/2021 1:08 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



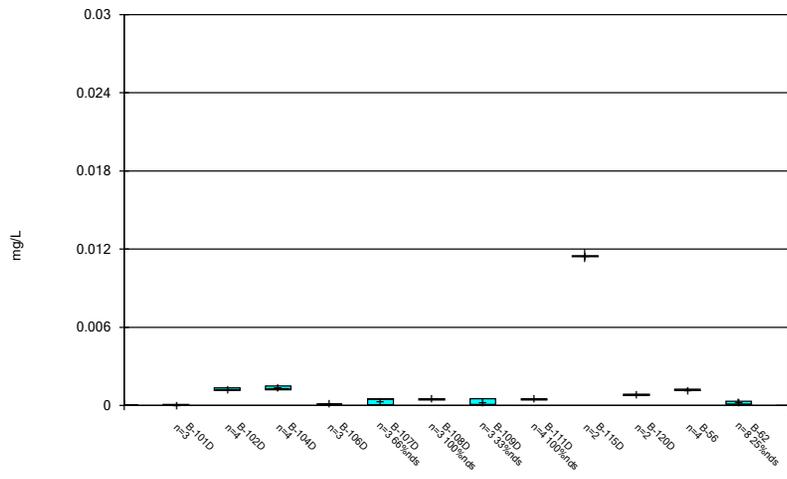
Constituent: Beryllium Analysis Run 11/8/2021 1:08 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



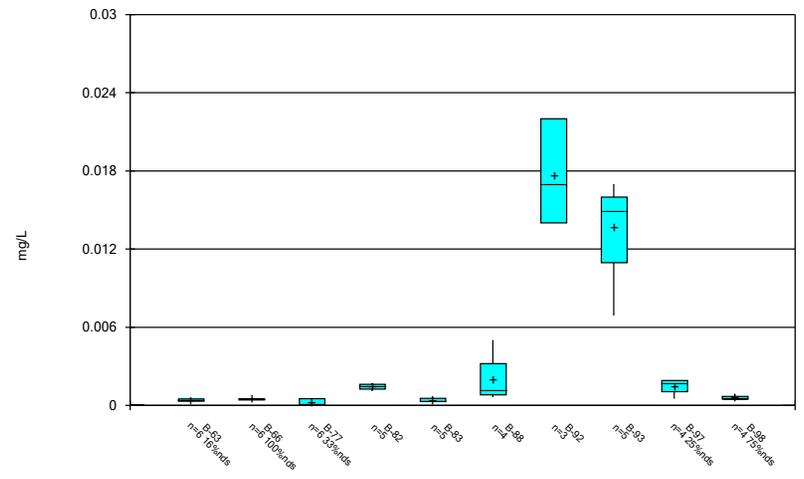
Constituent: Beryllium Analysis Run 11/8/2021 1:08 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



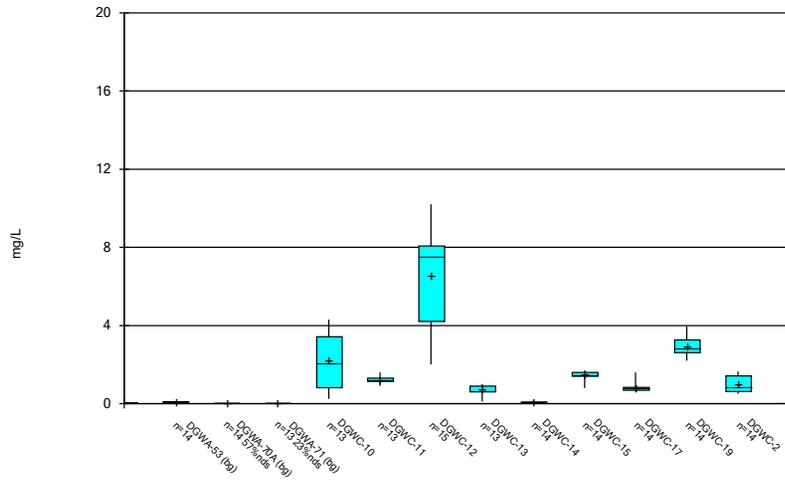
Constituent: Beryllium Analysis Run 11/8/2021 1:09 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



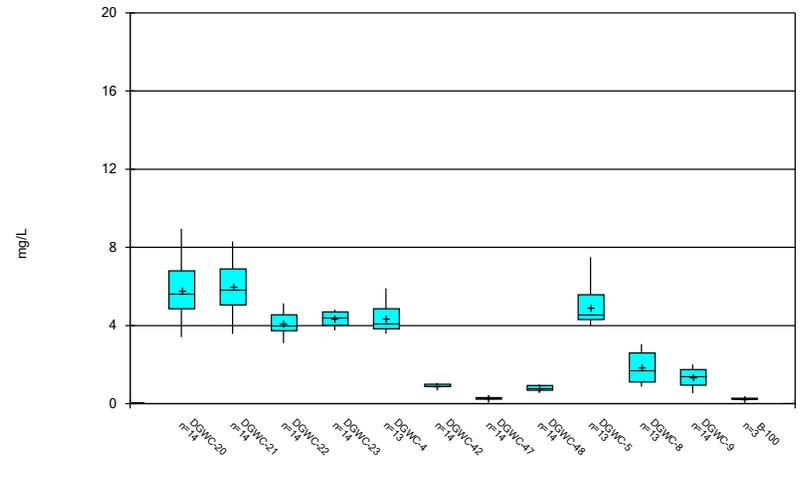
Constituent: Beryllium Analysis Run 11/8/2021 1:09 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



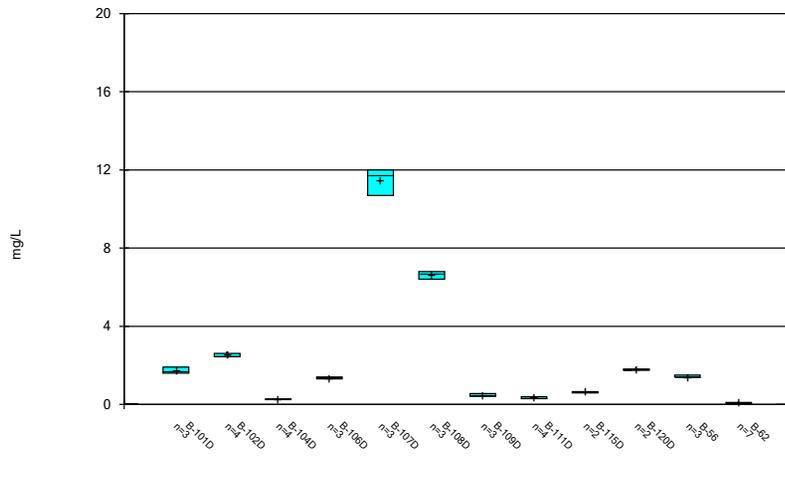
Constituent: Boron, total Analysis Run 11/8/2021 1:09 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



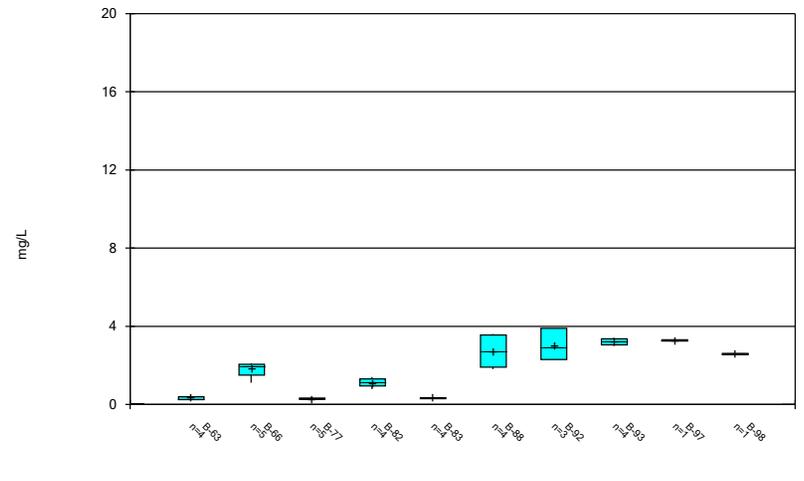
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Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



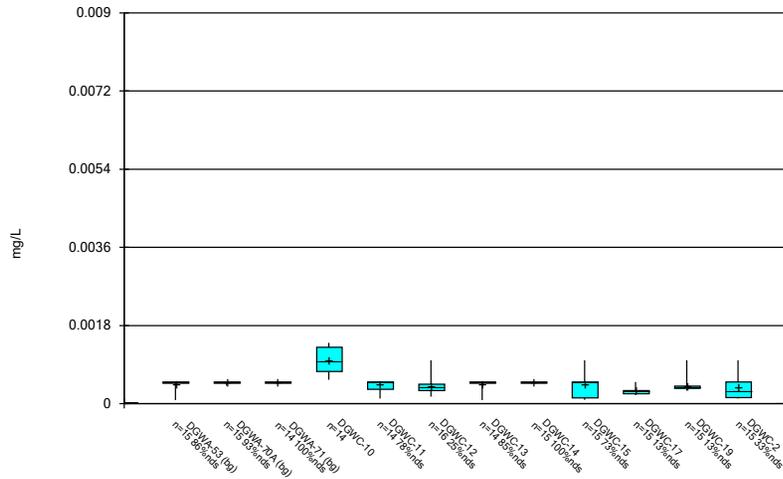
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Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



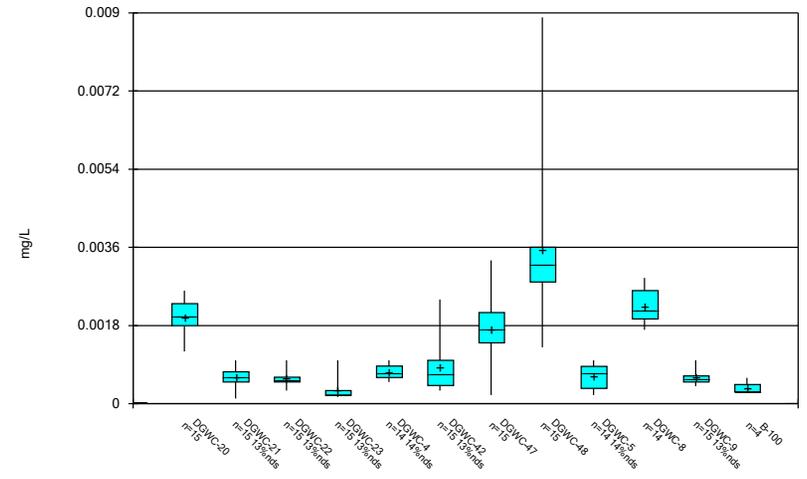
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Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



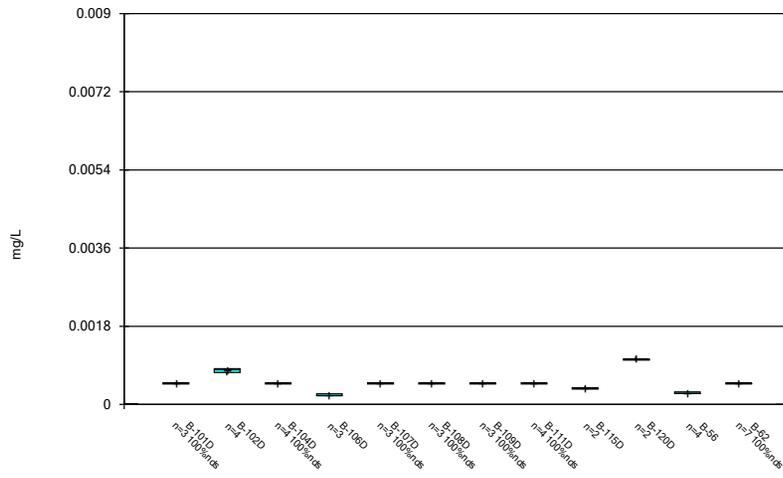
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



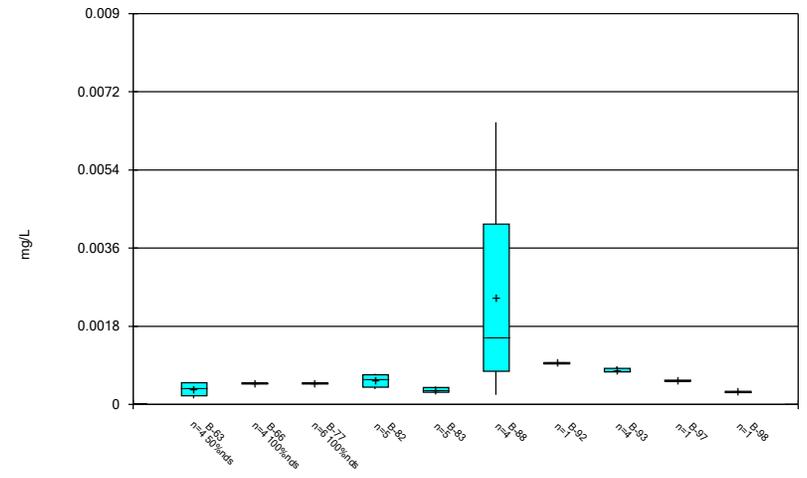
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



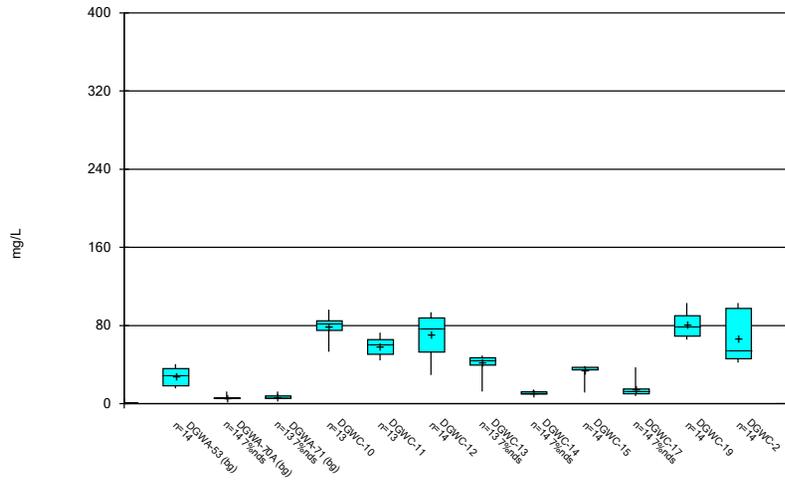
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Box & Whiskers Plot



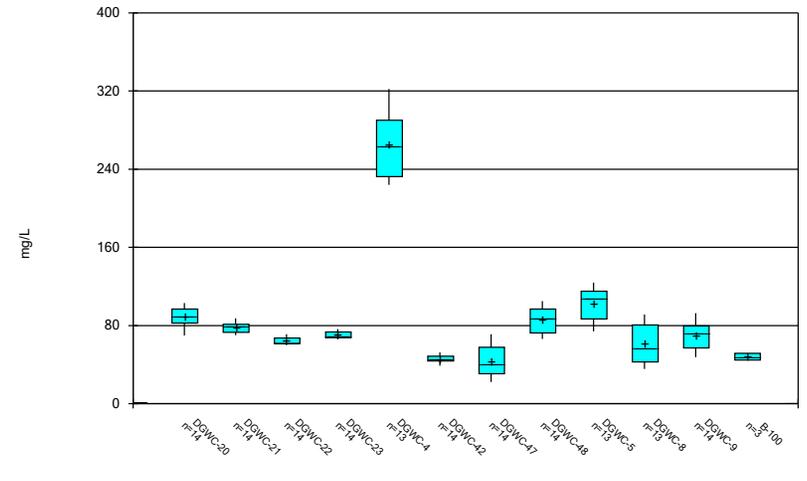
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Box & Whiskers Plot



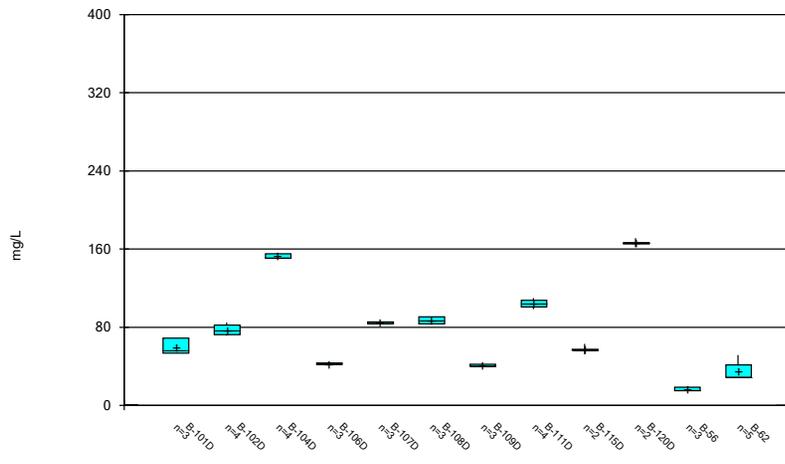
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Box & Whiskers Plot



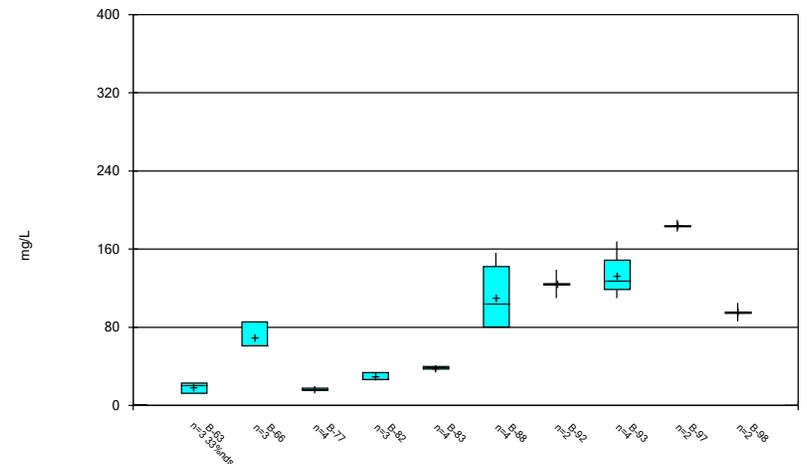
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Box & Whiskers Plot



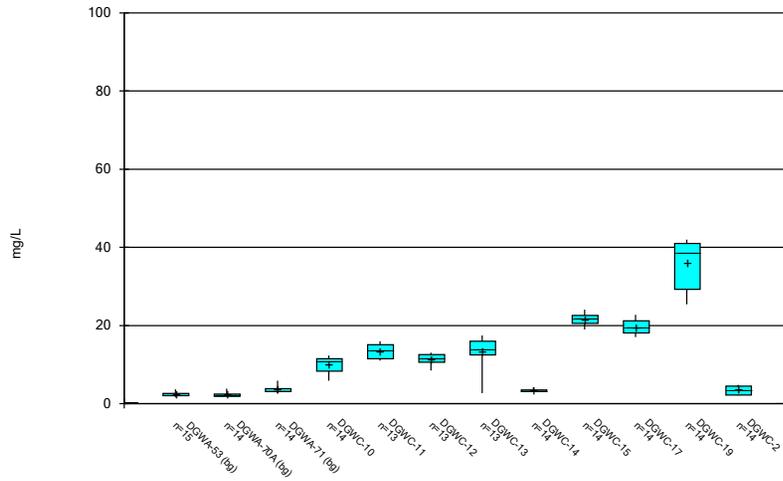
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Box & Whiskers Plot



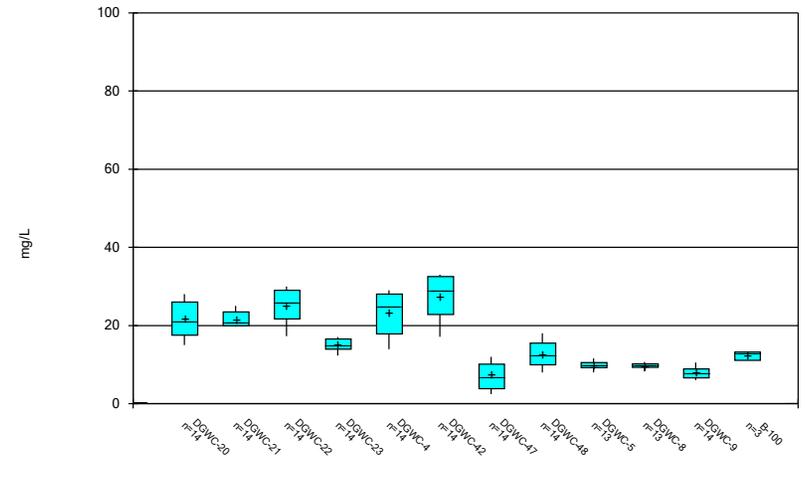
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Box & Whiskers Plot



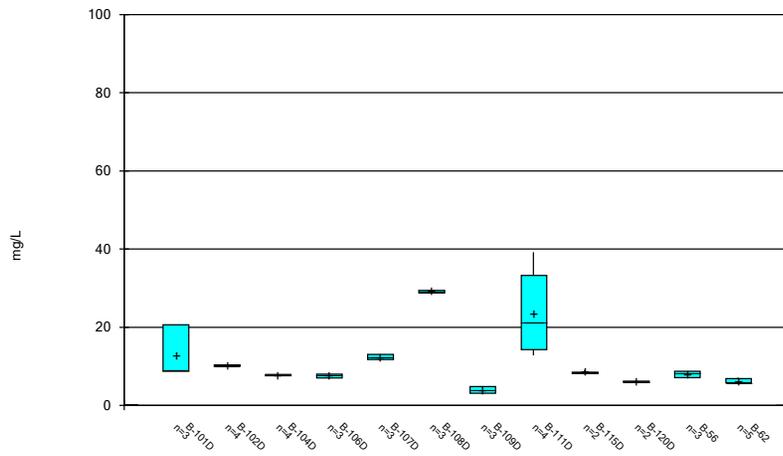
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Box & Whiskers Plot



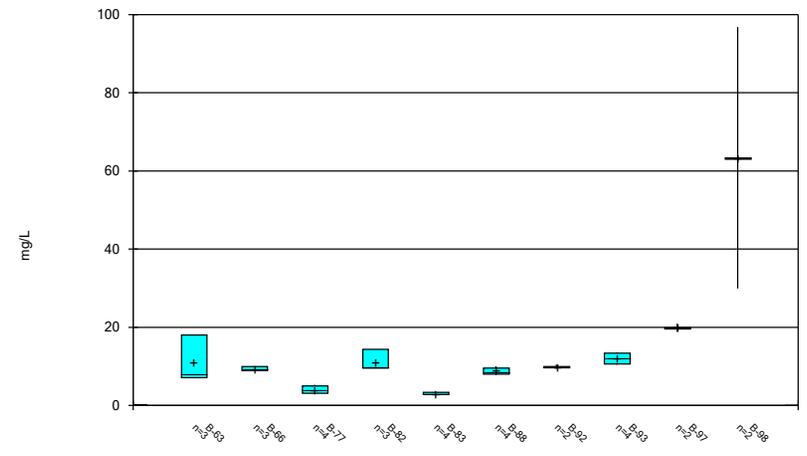
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Box & Whiskers Plot



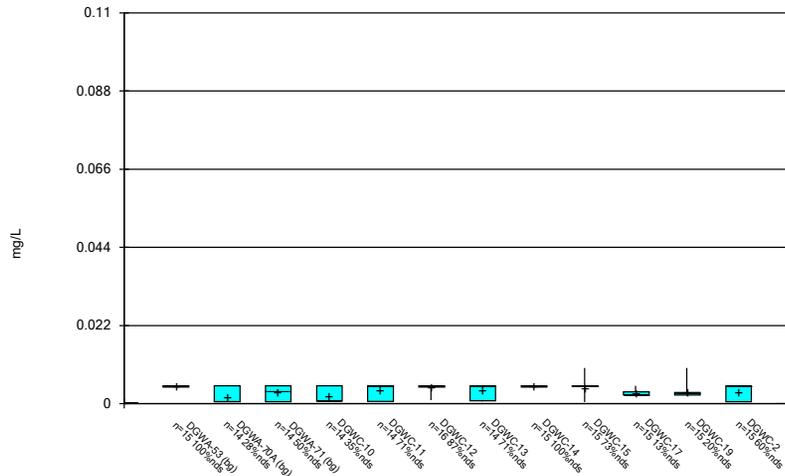
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Box & Whiskers Plot



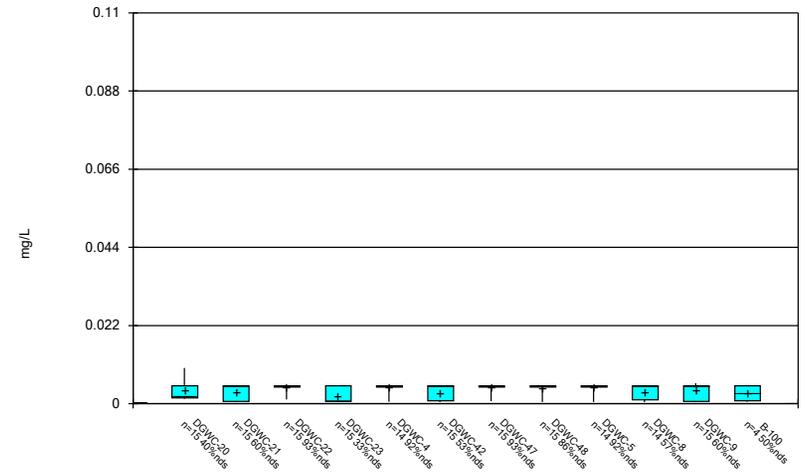
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Box & Whiskers Plot



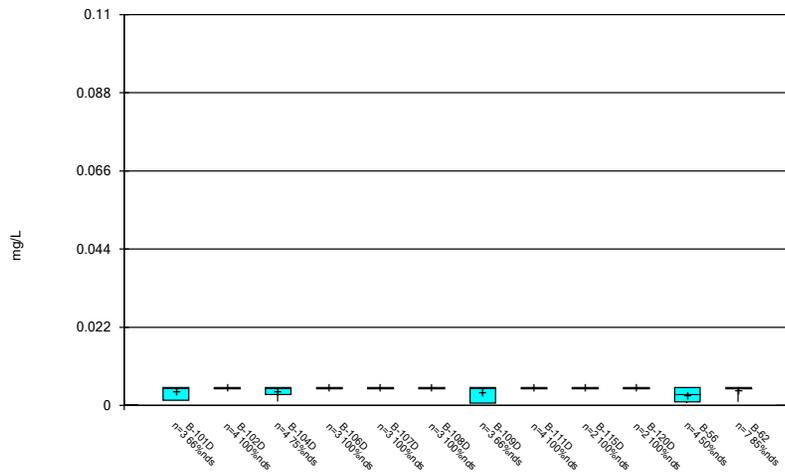
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



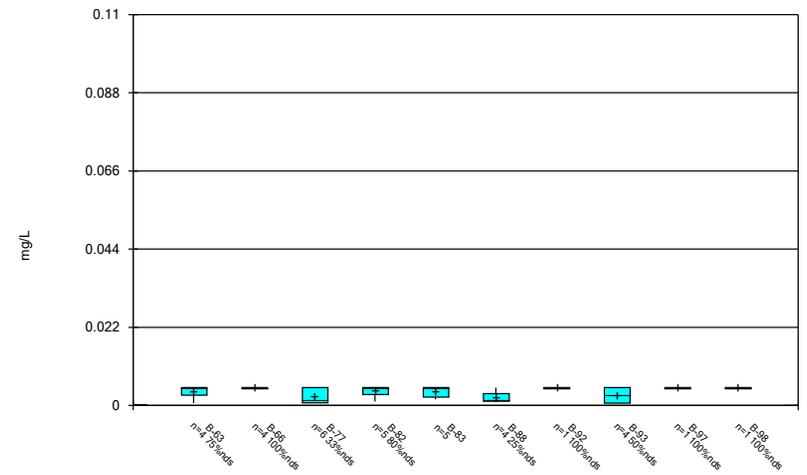
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Box & Whiskers Plot



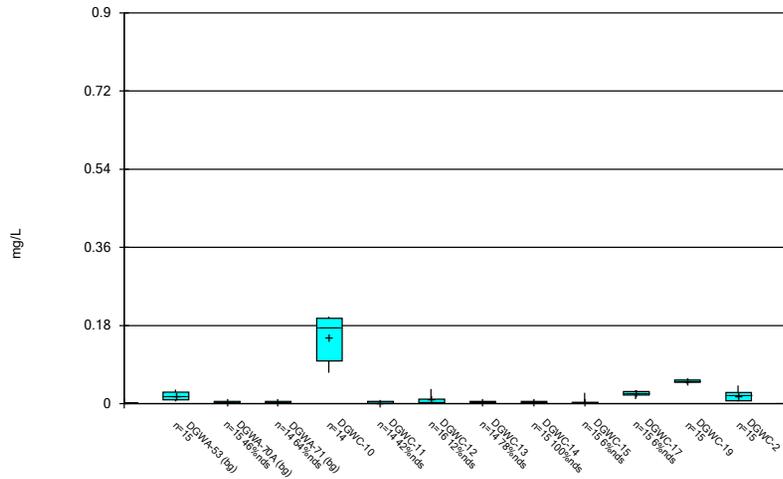
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



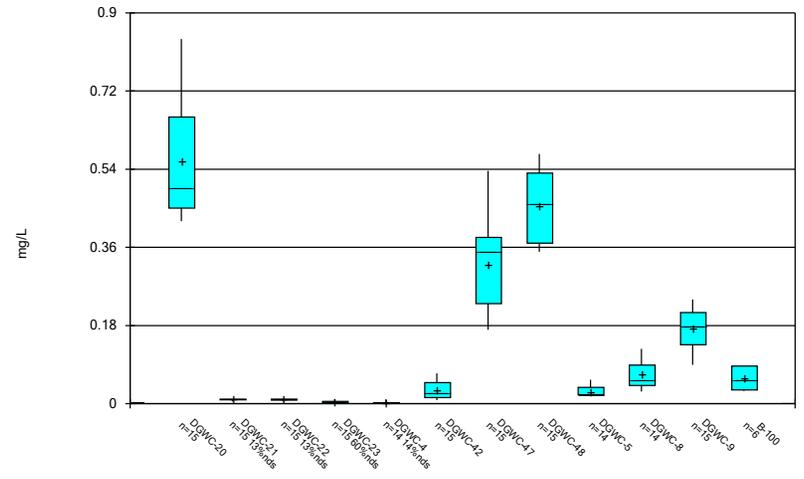
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



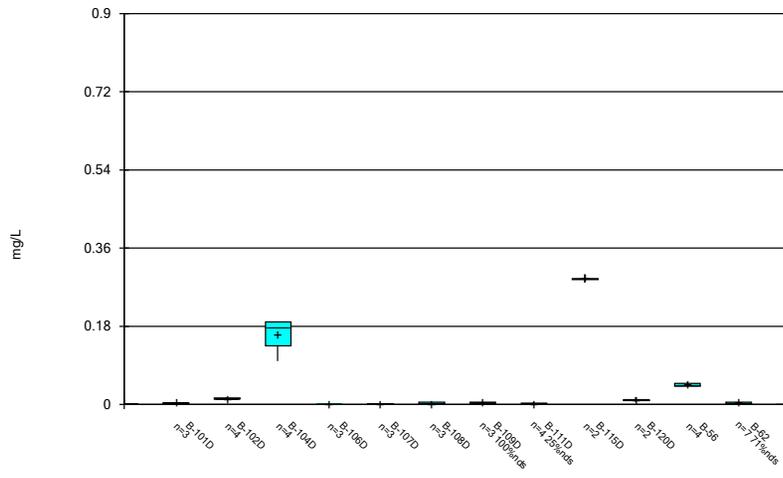
Constituent: Cobalt Analysis Run 11/8/2021 1:09 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



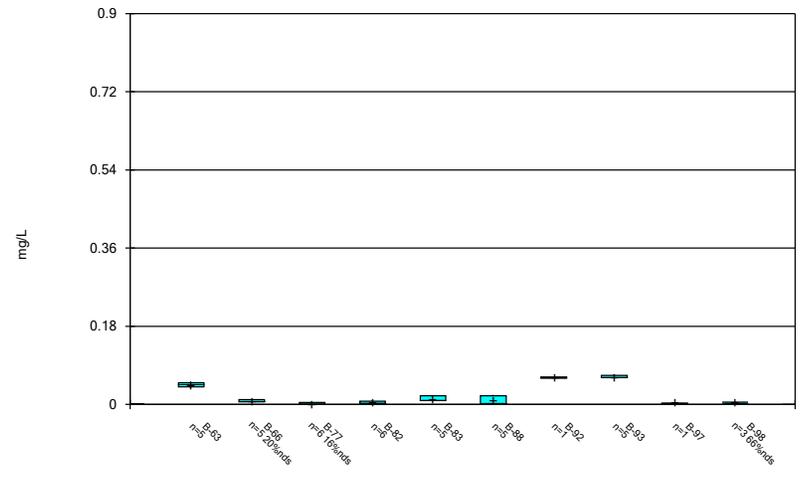
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



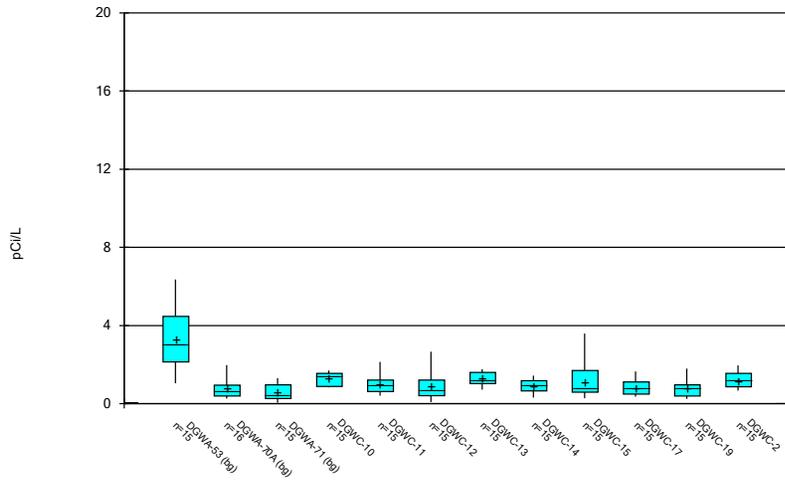
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



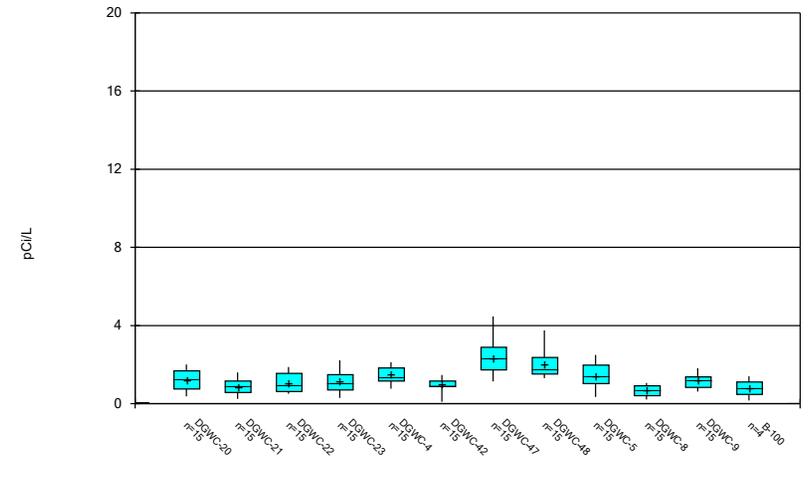
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



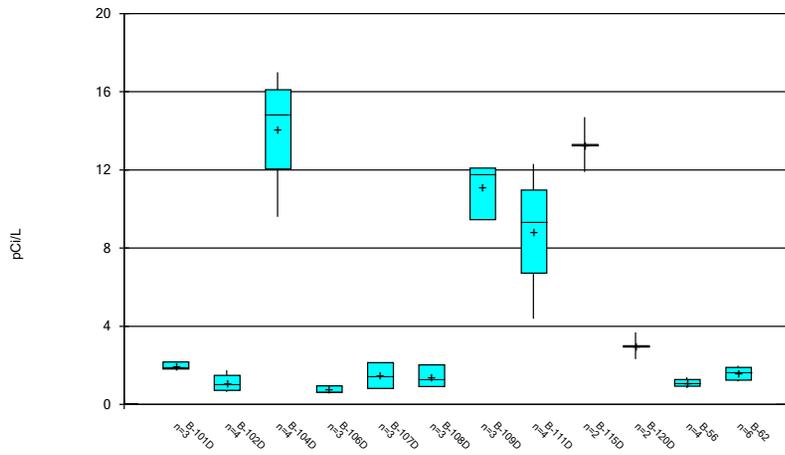
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Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



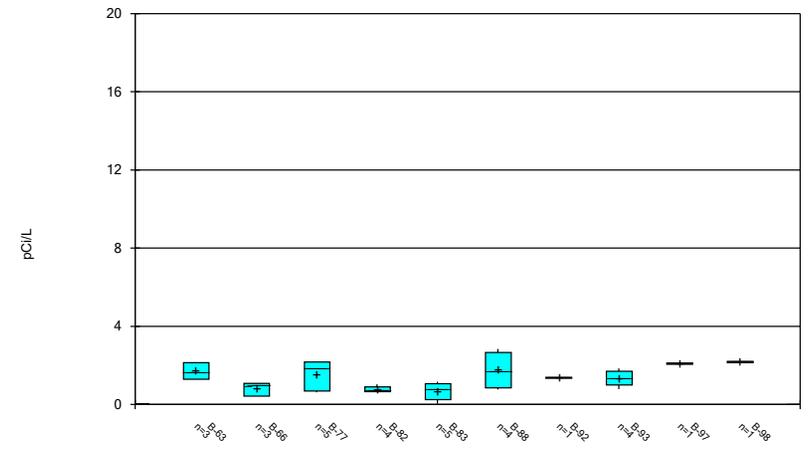
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Box & Whiskers Plot



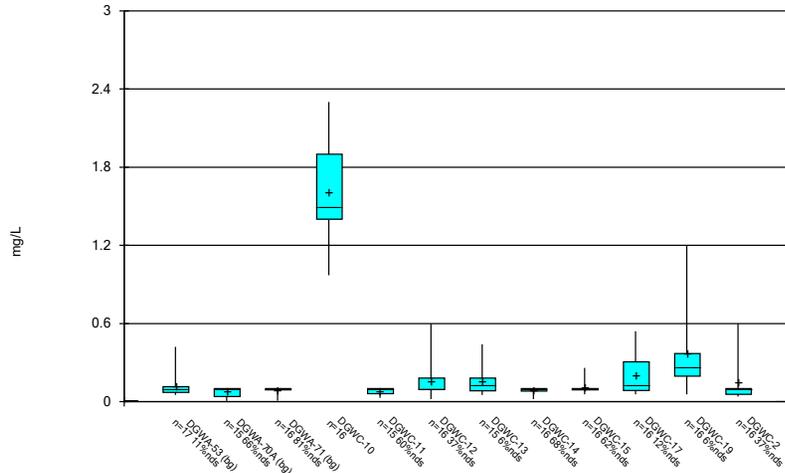
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Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



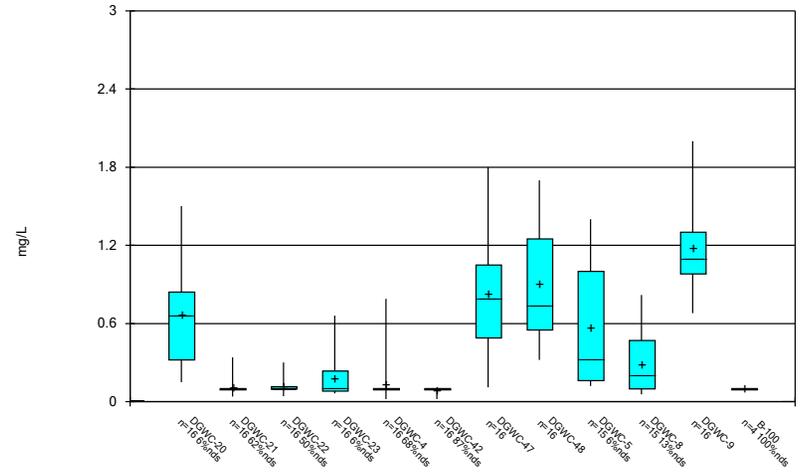
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Box & Whiskers Plot



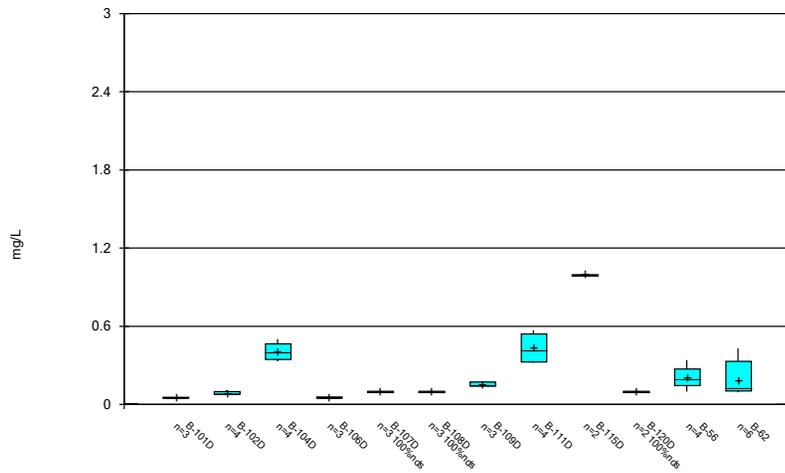
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Box & Whiskers Plot



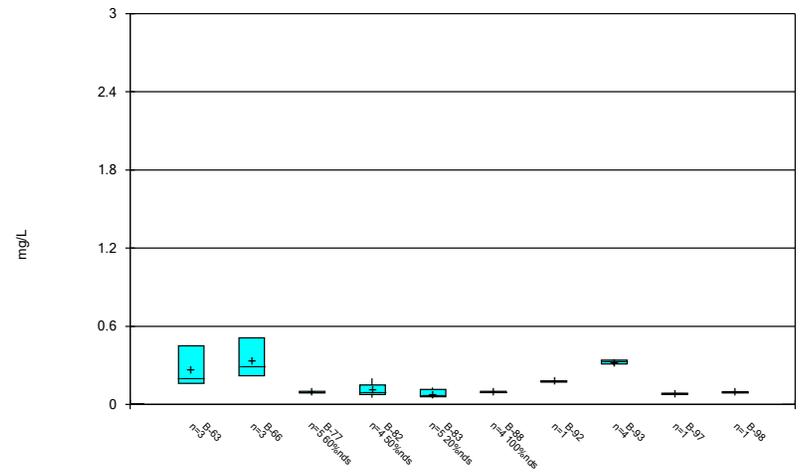
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Box & Whiskers Plot



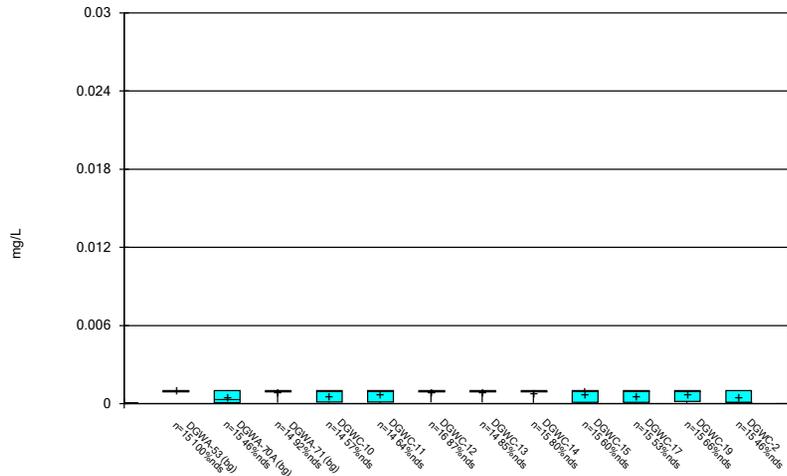
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Box & Whiskers Plot



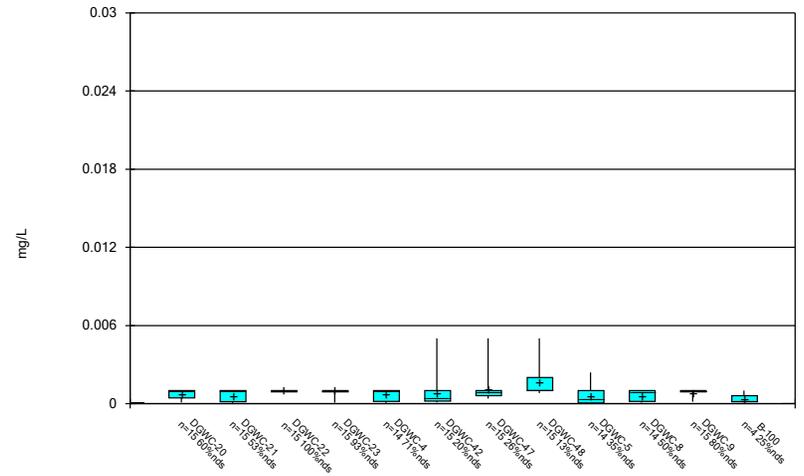
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Box & Whiskers Plot



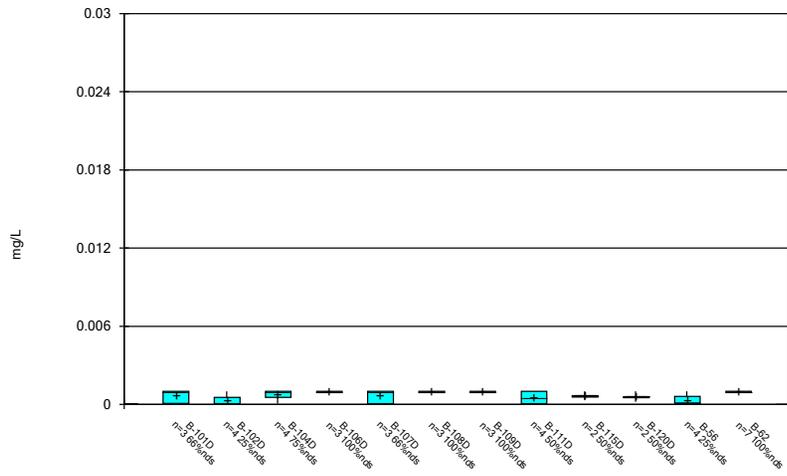
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



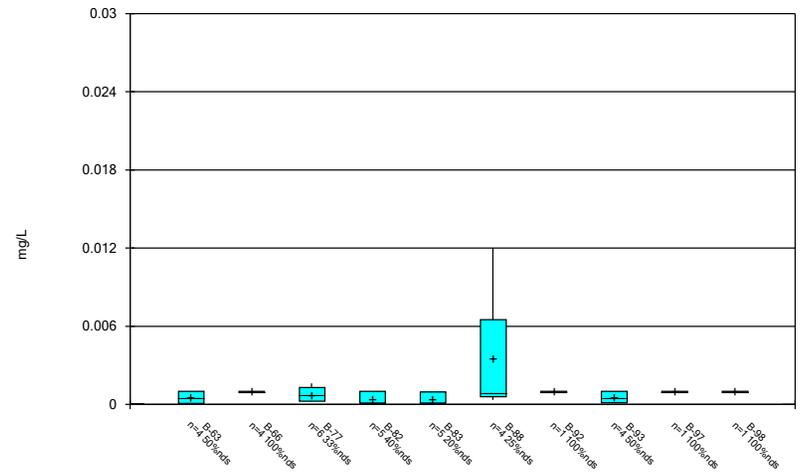
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Box & Whiskers Plot



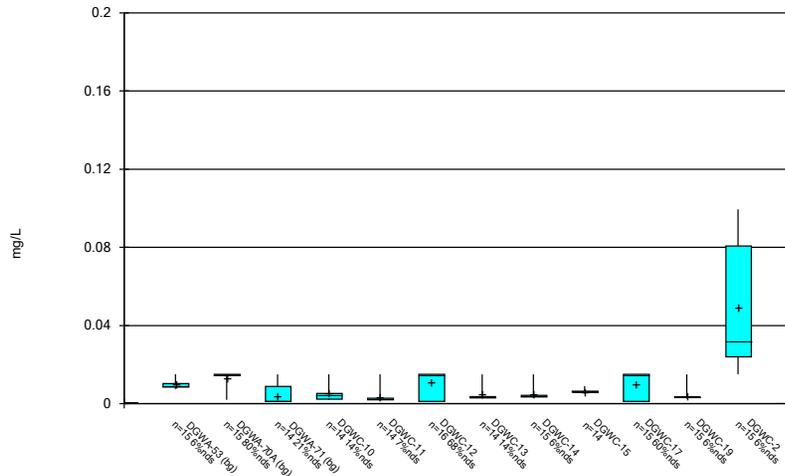
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Box & Whiskers Plot



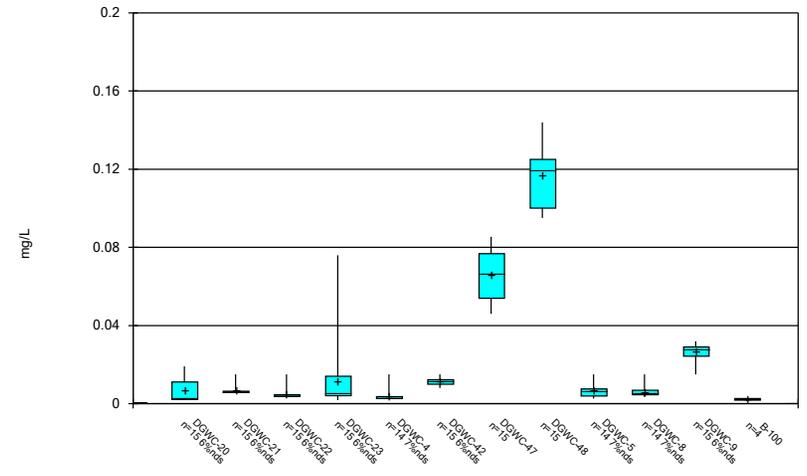
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Box & Whiskers Plot



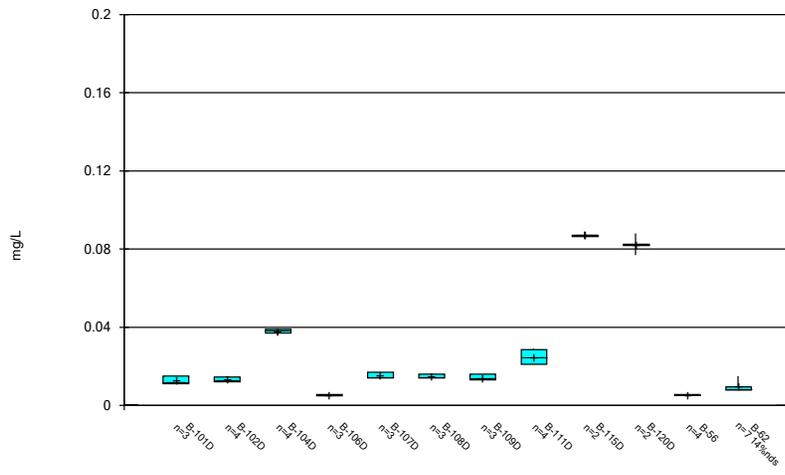
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Box & Whiskers Plot



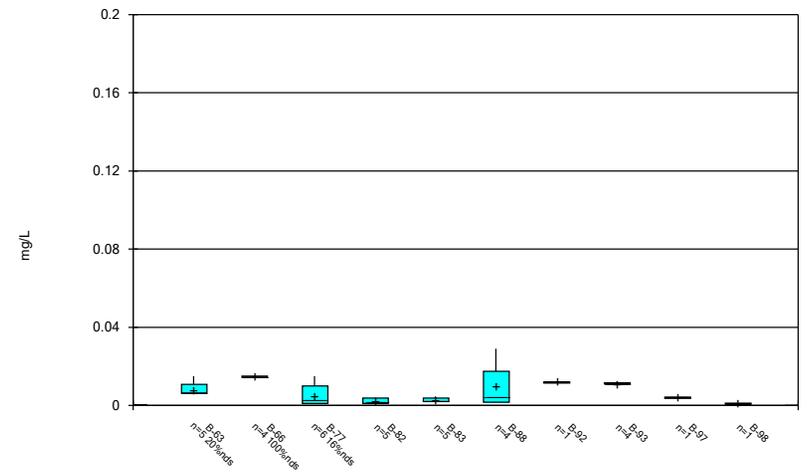
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Box & Whiskers Plot



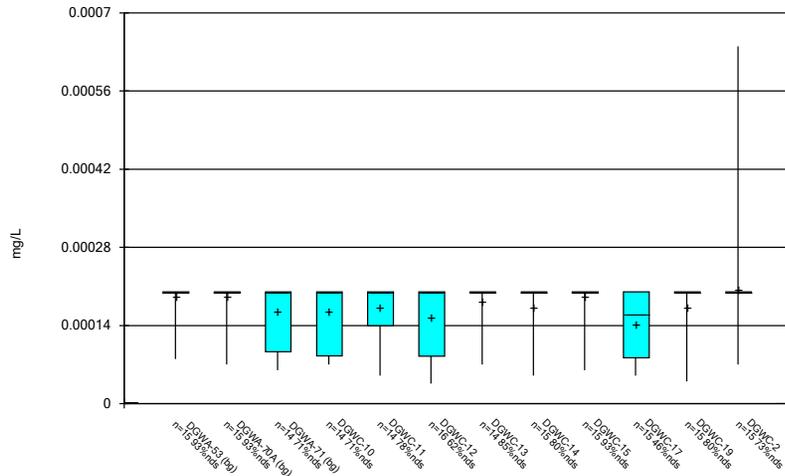
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Box & Whiskers Plot



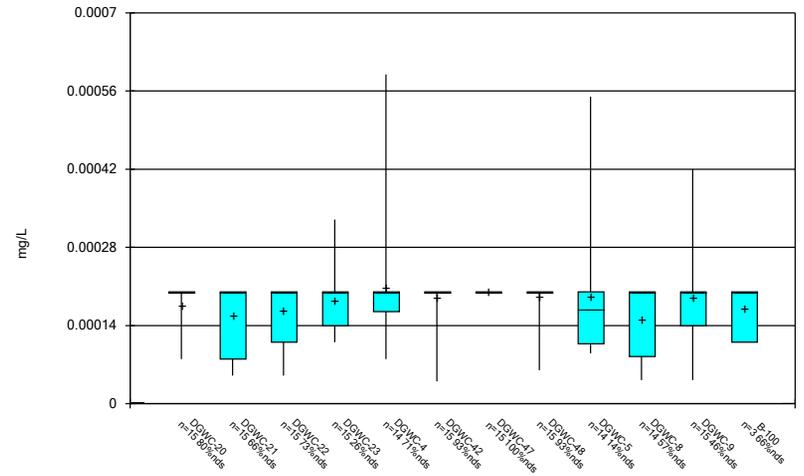
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Box & Whiskers Plot



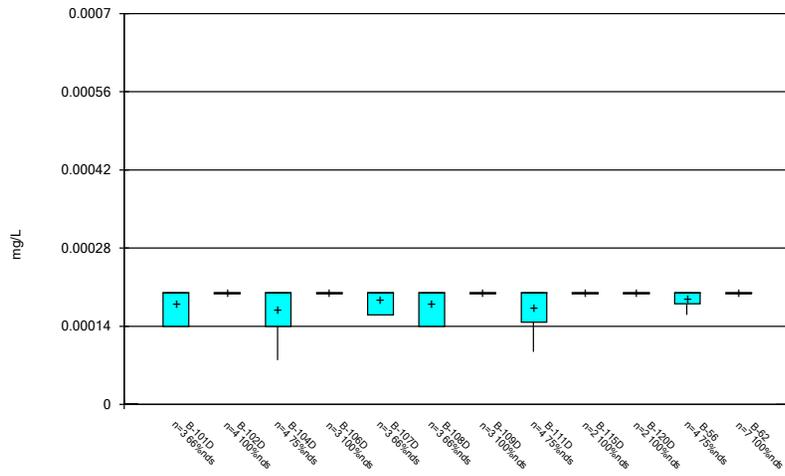
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Box & Whiskers Plot



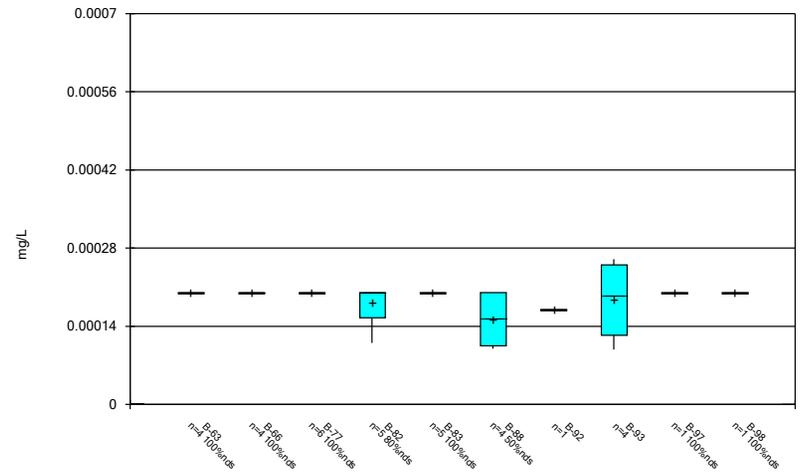
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



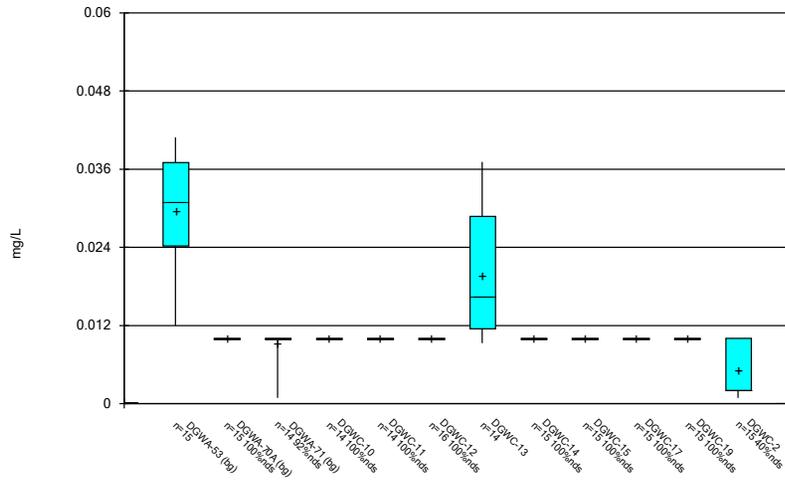
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Box & Whiskers Plot



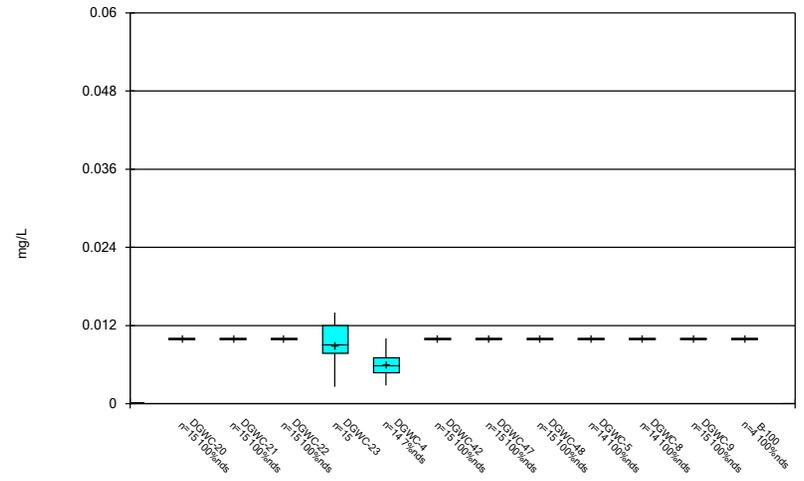
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Box & Whiskers Plot



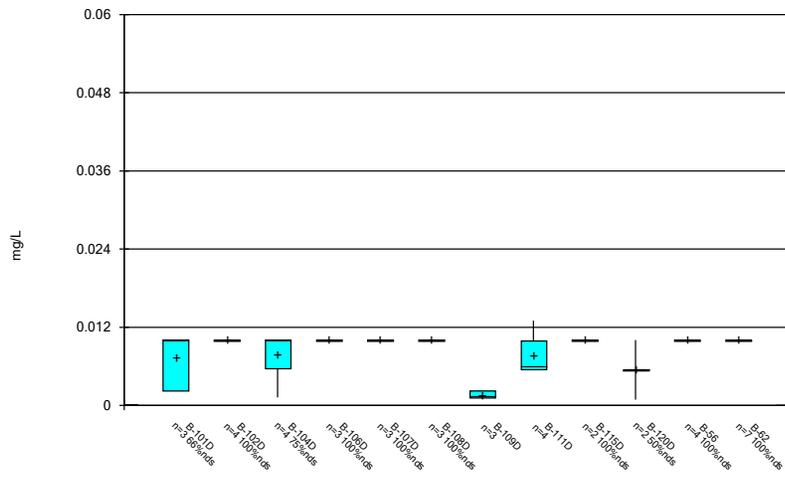
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



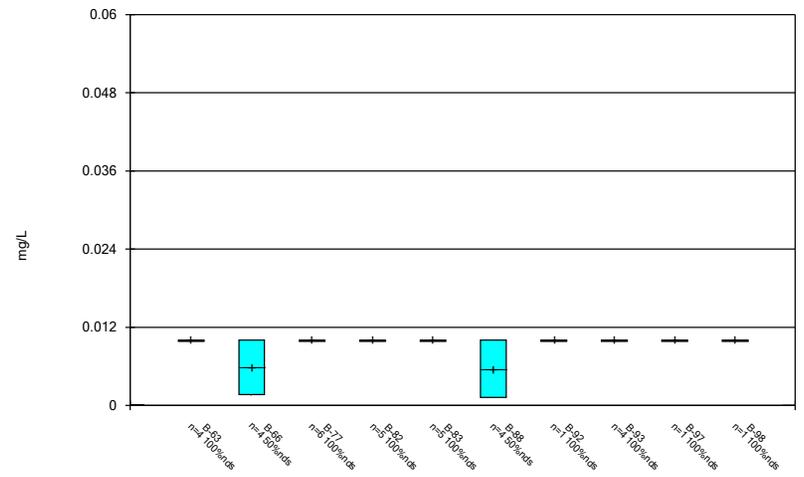
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Box & Whiskers Plot



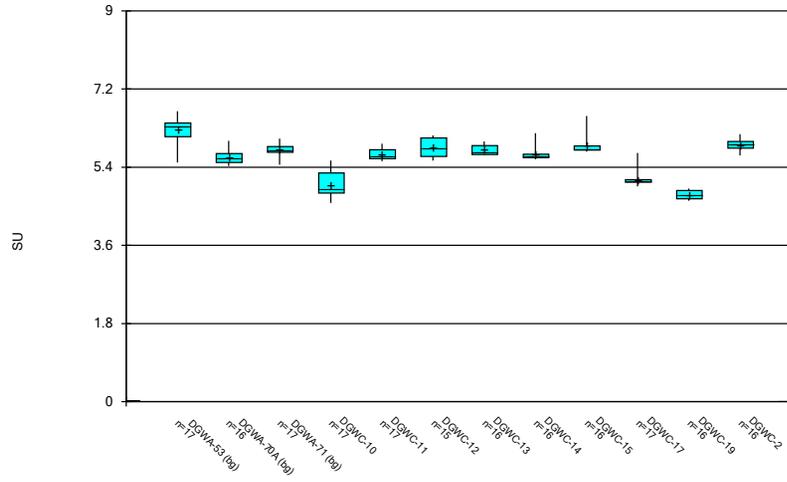
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Box & Whiskers Plot



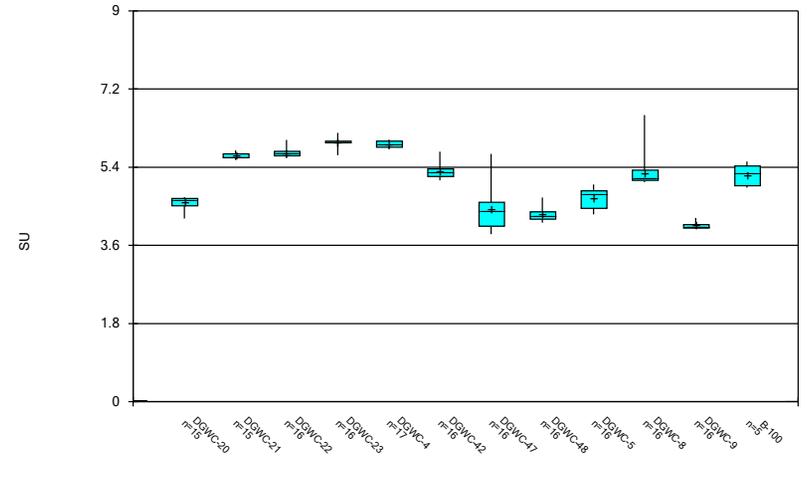
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Box & Whiskers Plot



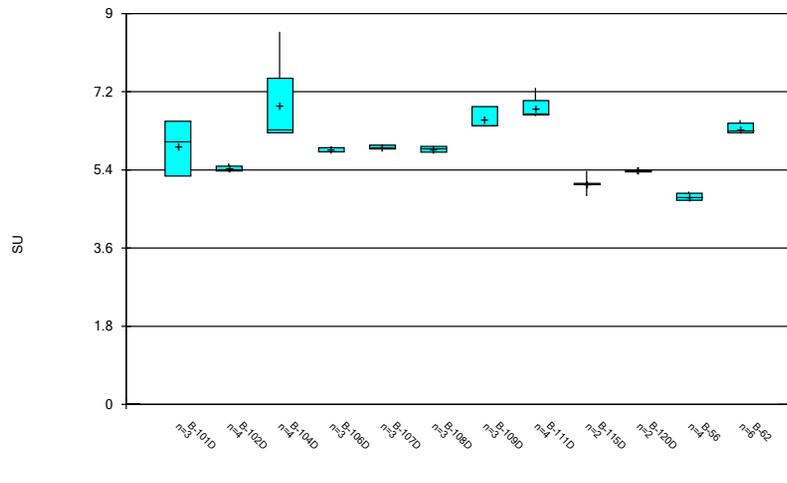
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Box & Whiskers Plot



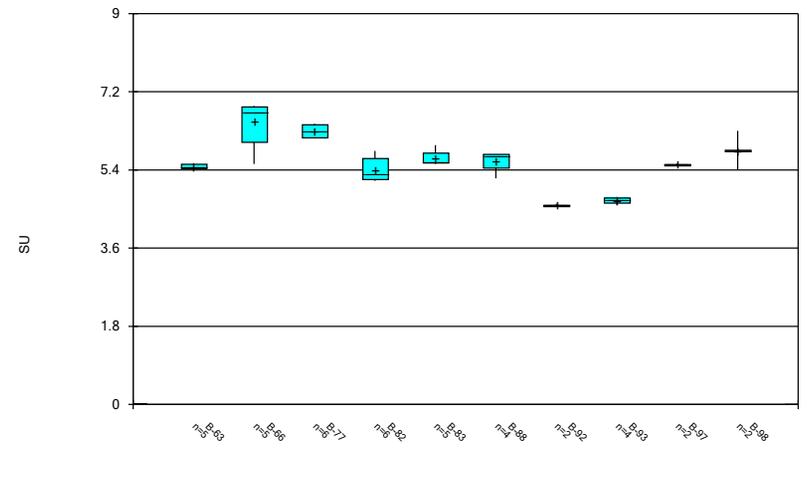
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Box & Whiskers Plot



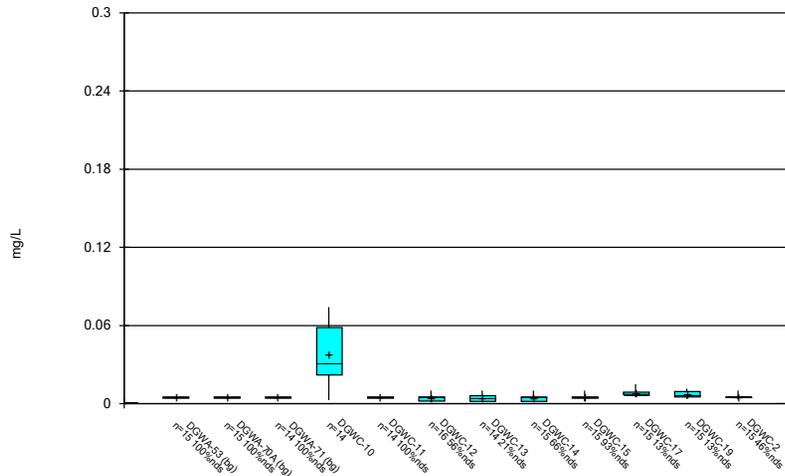
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Box & Whiskers Plot



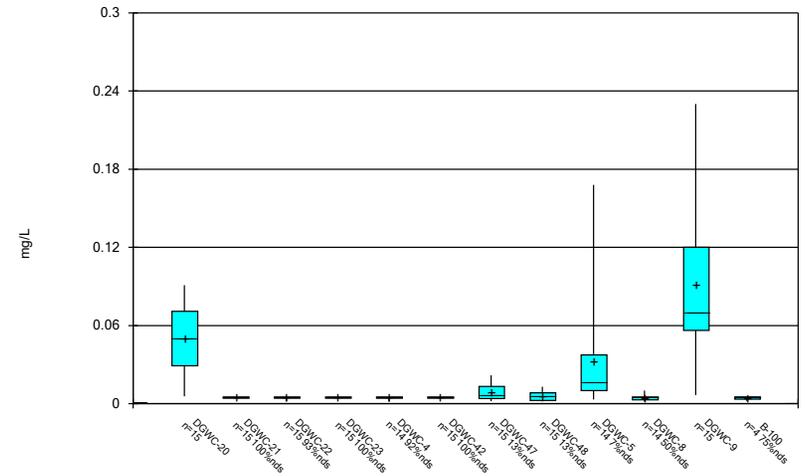
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Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



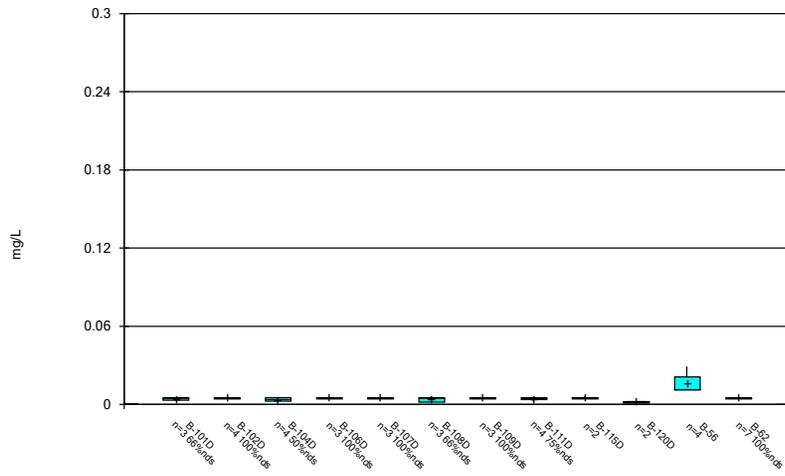
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



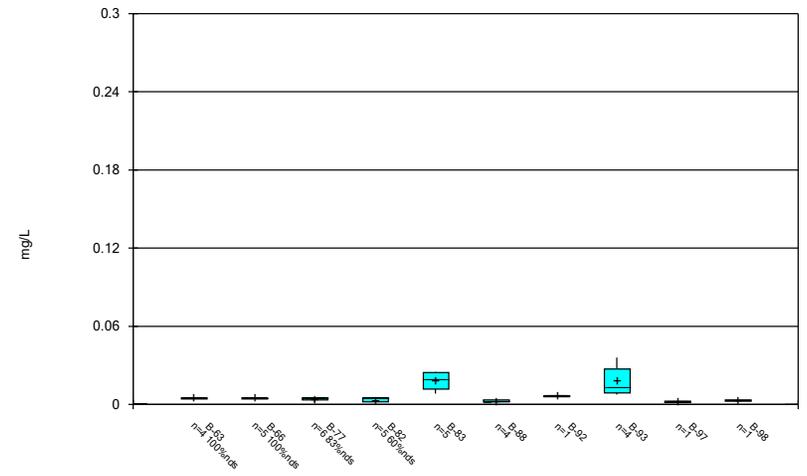
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



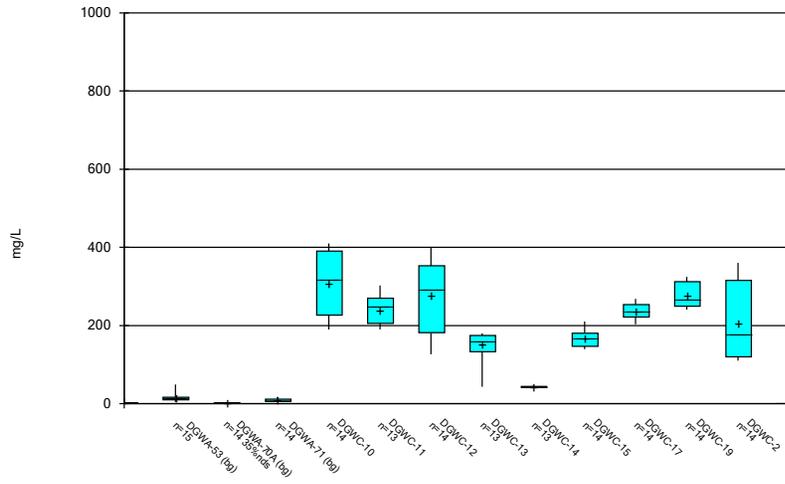
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



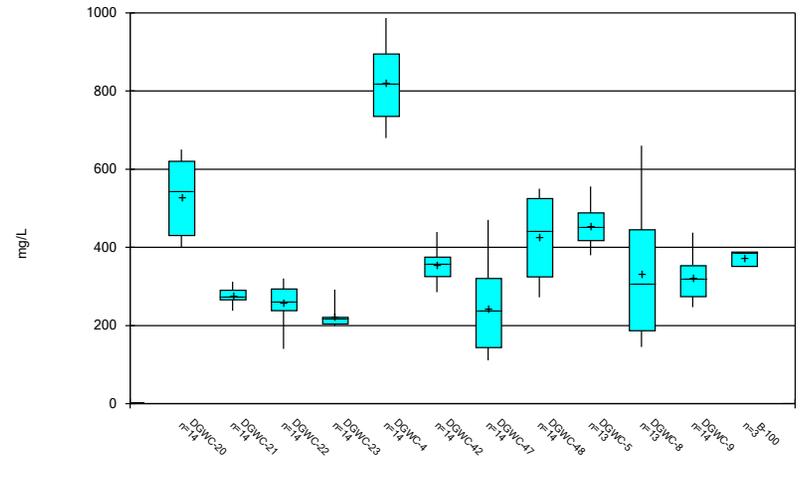
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



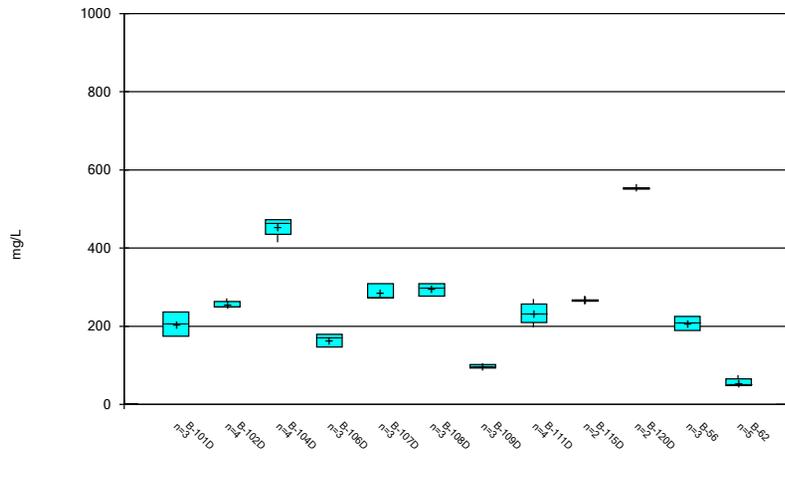
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Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



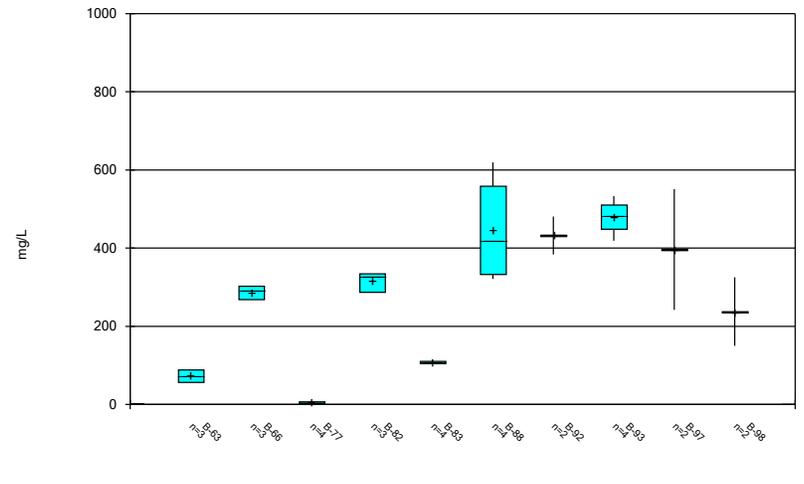
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Box & Whiskers Plot



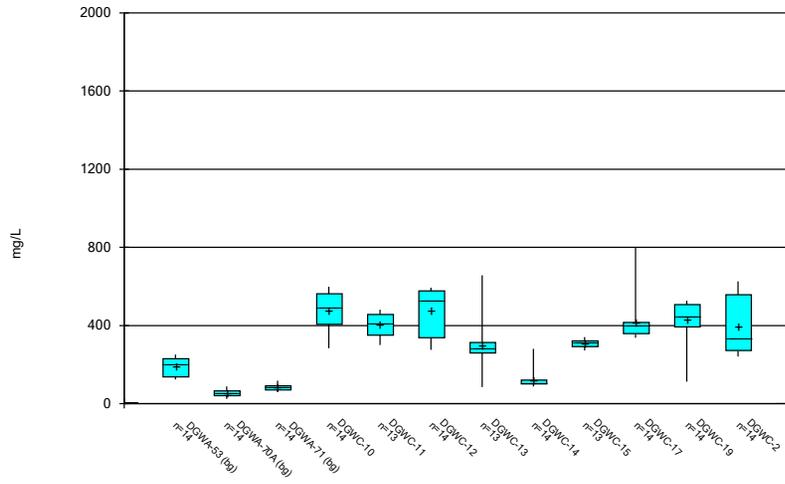
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Box & Whiskers Plot



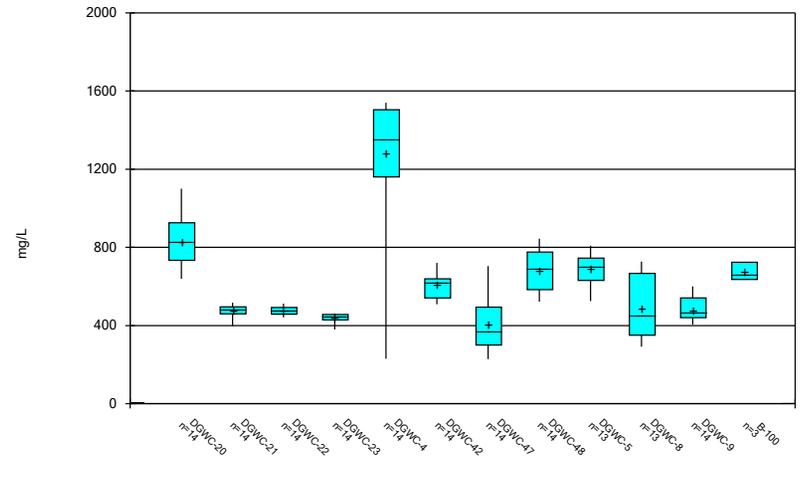
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Box & Whiskers Plot



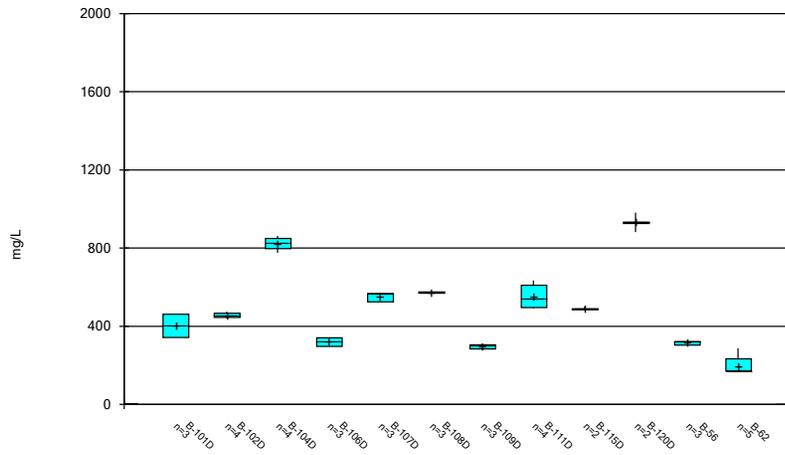
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Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



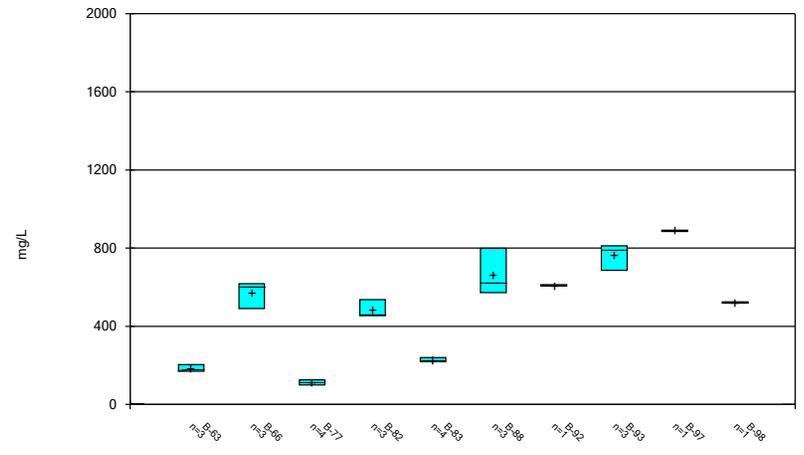
Constituent: Total Dissolved Solids [TDS] Analysis Run 11/8/2021 1:09 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



Constituent: Total Dissolved Solids [TDS] Analysis Run 11/8/2021 1:09 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



Constituent: Total Dissolved Solids [TDS] Analysis Run 11/8/2021 1:09 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

FIGURE C.

Outlier Summary

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 1:13 PM

	DGWC-5 Barium (mg/L)	DGWC-12 Chloride, Total (mg/L)	DGWA-70A Chromium (mg/L)	DGWA-70A Fluoride, total (mg/L)	DGWC-15 Lithium (mg/L)	DGWC-14 Sulfate as SO4 (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 Client: Southern Company Data: McDonough AP Printed 11/8/2021, 1:20 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	DGWC-10	0.13	n/a	9/10/2021	0.24	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-11	0.13	n/a	9/9/2021	1.5	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-12	0.13	n/a	9/9/2021	2	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-13	0.13	n/a	9/9/2021	0.62	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-15	0.13	n/a	9/9/2021	1.6	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-17	0.13	n/a	9/13/2021	0.78	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-19	0.13	n/a	9/9/2021	2.7	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-2	0.13	n/a	9/9/2021	0.51	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-20	0.13	n/a	9/10/2021	4.8	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-21	0.13	n/a	9/9/2021	5.8	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-22	0.13	n/a	9/10/2021	4.5	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-23	0.13	n/a	9/9/2021	4.7	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-4	0.13	n/a	9/10/2021	5	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-42	0.13	n/a	9/13/2021	0.95	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-47	0.13	n/a	9/10/2021	0.16	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-48	0.13	n/a	9/10/2021	0.55	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-5	0.13	n/a	9/10/2021	4.7	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-8	0.13	n/a	9/13/2021	0.86	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-9	0.13	n/a	9/10/2021	0.54	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-10	40.3	n/a	9/10/2021	82.4	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-11	40.3	n/a	9/9/2021	66.8	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-19	40.3	n/a	9/9/2021	93.6	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-2	40.3	n/a	9/9/2021	42	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-20	40.3	n/a	9/10/2021	69.8	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-21	40.3	n/a	9/9/2021	75.3	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-22	40.3	n/a	9/10/2021	62.3	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-23	40.3	n/a	9/9/2021	76.4	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-4	40.3	n/a	9/10/2021	285	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-48	40.3	n/a	9/10/2021	68.7	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-5	40.3	n/a	9/10/2021	123	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-9	40.3	n/a	9/10/2021	47.7	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	DGWC-10	5.07	n/a	9/10/2021	8.2	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-11	5.07	n/a	9/9/2021	13.6	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-12	5.07	n/a	9/9/2021	8.5	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-13	5.07	n/a	9/9/2021	12.9	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-15	5.07	n/a	9/9/2021	21.9	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-17	5.07	n/a	9/13/2021	18.2	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-19	5.07	n/a	9/9/2021	25.4	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-20	5.07	n/a	9/10/2021	26.2	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-21	5.07	n/a	9/9/2021	20.2	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-22	5.07	n/a	9/10/2021	17.3	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-23	5.07	n/a	9/9/2021	12.3	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-4	5.07	n/a	9/10/2021	13.9	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-42	5.07	n/a	9/13/2021	17.1	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-48	5.07	n/a	9/10/2021	10.9	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-5	5.07	n/a	9/10/2021	9.9	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-8	5.07	n/a	9/13/2021	8.2	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-9	5.07	n/a	9/10/2021	9	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Fluoride, total (mg/L)	DGWC-10	0.42	n/a	9/10/2021	2.2	Yes	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-48	0.42	n/a	9/10/2021	0.47	Yes	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-9	0.42	n/a	9/10/2021	2	Yes	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
pH, Field (SU)	DGWC-10	6.646	5.155	9/10/2021	5.05	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-17	6.646	5.155	9/13/2021	5.06	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-19	6.646	5.155	9/9/2021	4.82	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2

Appendix III Interwell Prediction Limits - Significant Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 1:20 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH, Field (SU)	DGWC-20	6.646	5.155	9/10/2021	4.67	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-42	6.646	5.155	9/13/2021	5.15	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-47	6.646	5.155	9/10/2021	4.1	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-48	6.646	5.155	9/10/2021	4.3	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-5	6.646	5.155	9/10/2021	4.89	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-8	6.646	5.155	9/13/2021	5.05	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-9	6.646	5.155	9/10/2021	3.98	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-10	33.32	n/a	9/10/2021	271	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-11	33.32	n/a	9/9/2021	247	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-12	33.32	n/a	9/9/2021	126	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-13	33.32	n/a	9/9/2021	127	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-14	33.32	n/a	9/9/2021	42.3	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-15	33.32	n/a	9/9/2021	139	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-17	33.32	n/a	9/13/2021	222	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-19	33.32	n/a	9/9/2021	315	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-2	33.32	n/a	9/9/2021	110	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-20	33.32	n/a	9/10/2021	399	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-21	33.32	n/a	9/9/2021	238	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-22	33.32	n/a	9/10/2021	234	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-23	33.32	n/a	9/9/2021	217	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-4	33.32	n/a	9/10/2021	823	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-42	33.32	n/a	9/13/2021	285	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-47	33.32	n/a	9/10/2021	123	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-48	33.32	n/a	9/10/2021	272	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-5	33.32	n/a	9/10/2021	449	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-8	33.32	n/a	9/13/2021	145	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-9	33.32	n/a	9/10/2021	264	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-10	299.2	n/a	9/10/2021	474	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-11	299.2	n/a	9/9/2021	433	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-17	299.2	n/a	9/13/2021	424	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-19	299.2	n/a	9/9/2021	480	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-20	299.2	n/a	9/10/2021	678	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-21	299.2	n/a	9/9/2021	396	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-22	299.2	n/a	9/10/2021	468	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-23	299.2	n/a	9/9/2021	455	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-4	299.2	n/a	9/10/2021	1520	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-42	299.2	n/a	9/13/2021	508	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-48	299.2	n/a	9/10/2021	532	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-5	299.2	n/a	9/10/2021	792	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-8	299.2	n/a	9/13/2021	306	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-9	299.2	n/a	9/10/2021	466	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 1:20 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	DGWC-10	0.13	n/a	9/10/2021	0.24	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-11	0.13	n/a	9/9/2021	1.5	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-12	0.13	n/a	9/9/2021	2	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-13	0.13	n/a	9/9/2021	0.62	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-14	0.13	n/a	9/9/2021	0.08	No	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-15	0.13	n/a	9/9/2021	1.6	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-17	0.13	n/a	9/13/2021	0.78	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-19	0.13	n/a	9/9/2021	2.7	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-2	0.13	n/a	9/9/2021	0.51	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-20	0.13	n/a	9/10/2021	4.8	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-21	0.13	n/a	9/9/2021	5.8	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-22	0.13	n/a	9/10/2021	4.5	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-23	0.13	n/a	9/9/2021	4.7	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-4	0.13	n/a	9/10/2021	5	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-42	0.13	n/a	9/13/2021	0.95	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-47	0.13	n/a	9/10/2021	0.16	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-48	0.13	n/a	9/10/2021	0.55	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-5	0.13	n/a	9/10/2021	4.7	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-8	0.13	n/a	9/13/2021	0.86	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-9	0.13	n/a	9/10/2021	0.54	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-10	40.3	n/a	9/10/2021	82.4	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-11	40.3	n/a	9/9/2021	66.8	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-12	40.3	n/a	9/9/2021	29.2	No	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-13	40.3	n/a	9/9/2021	38.2	No	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-14	40.3	n/a	9/9/2021	11.1	No	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-15	40.3	n/a	9/9/2021	34.4	No	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-17	40.3	n/a	9/13/2021	15.8	No	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-19	40.3	n/a	9/9/2021	93.6	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-2	40.3	n/a	9/9/2021	42	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-20	40.3	n/a	9/10/2021	69.8	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-21	40.3	n/a	9/9/2021	75.3	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-22	40.3	n/a	9/10/2021	62.3	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-23	40.3	n/a	9/9/2021	76.4	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-4	40.3	n/a	9/10/2021	285	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-42	40.3	n/a	9/13/2021	38.9	No	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-47	40.3	n/a	9/10/2021	24.4	No	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-48	40.3	n/a	9/10/2021	68.7	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-5	40.3	n/a	9/10/2021	123	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-8	40.3	n/a	9/13/2021	36	No	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-9	40.3	n/a	9/10/2021	47.7	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	DGWC-10	5.07	n/a	9/10/2021	8.2	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-11	5.07	n/a	9/9/2021	13.6	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-12	5.07	n/a	9/9/2021	8.5	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-13	5.07	n/a	9/9/2021	12.9	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-14	5.07	n/a	9/9/2021	3.3	No	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-15	5.07	n/a	9/9/2021	21.9	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-17	5.07	n/a	9/13/2021	18.2	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-19	5.07	n/a	9/9/2021	25.4	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-2	5.07	n/a	9/9/2021	2.1	No	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-20	5.07	n/a	9/10/2021	26.2	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-21	5.07	n/a	9/9/2021	20.2	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-22	5.07	n/a	9/10/2021	17.3	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-23	5.07	n/a	9/9/2021	12.3	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-4	5.07	n/a	9/10/2021	13.9	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 1:20 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride, Total (mg/L)	DGWC-42	5.07	n/a	9/13/2021	17.1	Yes	43	0.9633	0.2952	0	None	In(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-47	5.07	n/a	9/10/2021	2.4	No	43	0.9633	0.2952	0	None	In(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-48	5.07	n/a	9/10/2021	10.9	Yes	43	0.9633	0.2952	0	None	In(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-5	5.07	n/a	9/10/2021	9.9	Yes	43	0.9633	0.2952	0	None	In(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-8	5.07	n/a	9/13/2021	8.2	Yes	43	0.9633	0.2952	0	None	In(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-9	5.07	n/a	9/10/2021	9	Yes	43	0.9633	0.2952	0	None	In(x)	0.0003762	Param Inter 1 of 2
Fluoride, total (mg/L)	DGWC-10	0.42	n/a	9/10/2021	2.2	Yes	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-11	0.42	n/a	9/9/2021	0.1ND	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-12	0.42	n/a	9/9/2021	0.099J	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-13	0.42	n/a	9/9/2021	0.083J	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-14	0.42	n/a	9/9/2021	0.1ND	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-15	0.42	n/a	9/9/2021	0.1ND	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-17	0.42	n/a	9/13/2021	0.063J	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-19	0.42	n/a	9/9/2021	0.18	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-2	0.42	n/a	9/9/2021	0.053J	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-20	0.42	n/a	9/10/2021	0.25	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-21	0.42	n/a	9/9/2021	0.1ND	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-22	0.42	n/a	9/10/2021	0.1ND	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-23	0.42	n/a	9/9/2021	0.084J	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-4	0.42	n/a	9/10/2021	0.1ND	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-42	0.42	n/a	9/13/2021	0.1ND	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-47	0.42	n/a	9/10/2021	0.22	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-48	0.42	n/a	9/10/2021	0.47	Yes	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-5	0.42	n/a	9/10/2021	0.16	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-8	0.42	n/a	9/13/2021	0.069J	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-9	0.42	n/a	9/10/2021	2	Yes	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
pH, Field (SU)	DGWC-10	6.646	5.155	9/10/2021	5.05	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-11	6.646	5.155	9/9/2021	5.59	No	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-12	6.646	5.155	9/9/2021	6.07	No	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-13	6.646	5.155	9/9/2021	5.69	No	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-14	6.646	5.155	9/9/2021	5.7	No	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-15	6.646	5.155	9/9/2021	5.83	No	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-17	6.646	5.155	9/13/2021	5.06	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-19	6.646	5.155	9/9/2021	4.82	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-2	6.646	5.155	9/9/2021	6	No	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-20	6.646	5.155	9/10/2021	4.67	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-21	6.646	5.155	9/9/2021	5.73	No	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-22	6.646	5.155	9/10/2021	5.65	No	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-23	6.646	5.155	9/9/2021	6	No	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-4	6.646	5.155	9/10/2021	5.83	No	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-42	6.646	5.155	9/13/2021	5.15	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-47	6.646	5.155	9/10/2021	4.1	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-48	6.646	5.155	9/10/2021	4.3	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-5	6.646	5.155	9/10/2021	4.89	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-8	6.646	5.155	9/13/2021	5.05	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-9	6.646	5.155	9/10/2021	3.98	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-10	33.32	n/a	9/10/2021	271	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-11	33.32	n/a	9/9/2021	247	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-12	33.32	n/a	9/9/2021	126	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-13	33.32	n/a	9/9/2021	127	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-14	33.32	n/a	9/9/2021	42.3	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-15	33.32	n/a	9/9/2021	139	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-17	33.32	n/a	9/13/2021	222	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-19	33.32	n/a	9/9/2021	315	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2

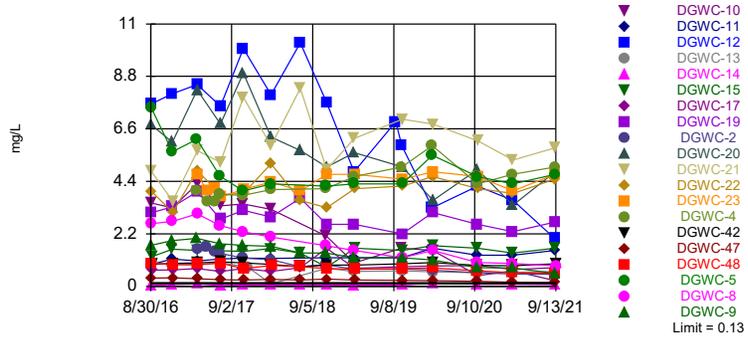
Appendix III Interwell Prediction Limits - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 1:20 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate as SO4 (mg/L)	DGWC-2	33.32	n/a	9/9/2021	110	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-20	33.32	n/a	9/10/2021	399	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-21	33.32	n/a	9/9/2021	238	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-22	33.32	n/a	9/10/2021	234	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-23	33.32	n/a	9/9/2021	217	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-4	33.32	n/a	9/10/2021	823	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-42	33.32	n/a	9/13/2021	285	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-47	33.32	n/a	9/10/2021	123	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-48	33.32	n/a	9/10/2021	272	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-5	33.32	n/a	9/10/2021	449	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-8	33.32	n/a	9/13/2021	145	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-9	33.32	n/a	9/10/2021	264	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-10	299.2	n/a	9/10/2021	474	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-11	299.2	n/a	9/9/2021	433	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-12	299.2	n/a	9/9/2021	275	No	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-13	299.2	n/a	9/9/2021	246	No	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-14	299.2	n/a	9/9/2021	99	No	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-15	299.2	n/a	9/9/2021	292	No	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-17	299.2	n/a	9/13/2021	424	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-19	299.2	n/a	9/9/2021	480	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-2	299.2	n/a	9/9/2021	260	No	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-20	299.2	n/a	9/10/2021	678	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-21	299.2	n/a	9/9/2021	396	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-22	299.2	n/a	9/10/2021	468	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-23	299.2	n/a	9/9/2021	455	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-4	299.2	n/a	9/10/2021	1520	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-42	299.2	n/a	9/13/2021	508	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-47	299.2	n/a	9/10/2021	274	No	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-48	299.2	n/a	9/10/2021	532	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-5	299.2	n/a	9/10/2021	792	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-8	299.2	n/a	9/13/2021	306	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-9	299.2	n/a	9/10/2021	466	Yes	42	4.572	0.9447	0	None	x^(1/3)	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

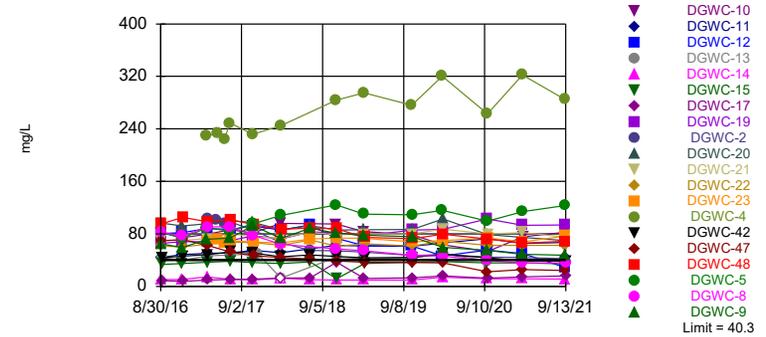


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 41 background values. 26.83% NDs. Annual per-constituent alpha = 0.04021. Individual comparison alpha = 0.001025 (1 of 2). Comparing 20 points to limit.

Constituent: Boron, total Analysis Run 11/8/2021 1:14 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

Exceeds Limit: DGWC-10, DGWC-11, DGWC-19, DGWC-2, DGWC-20, DGWC-21, DGWC-22, DGWC-23, DGWC-4, DGWC-48...

Prediction Limit
Interwell Non-parametric

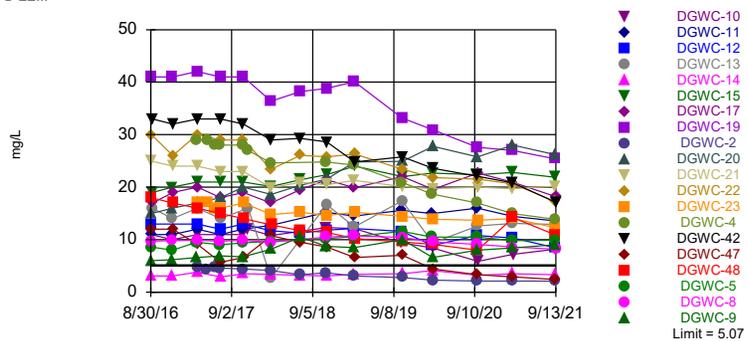


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 41 background values. 4.878% NDs. Annual per-constituent alpha = 0.04021. Individual comparison alpha = 0.001025 (1 of 2). Comparing 20 points to limit.

Constituent: Calcium, total Analysis Run 11/8/2021 1:14 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

Exceeds Limit: DGWC-10, DGWC-11, DGWC-12, DGWC-13, DGWC-15, DGWC-17, DGWC-19, DGWC-20, DGWC-21, DGWC-22...

Prediction Limit
Interwell Parametric

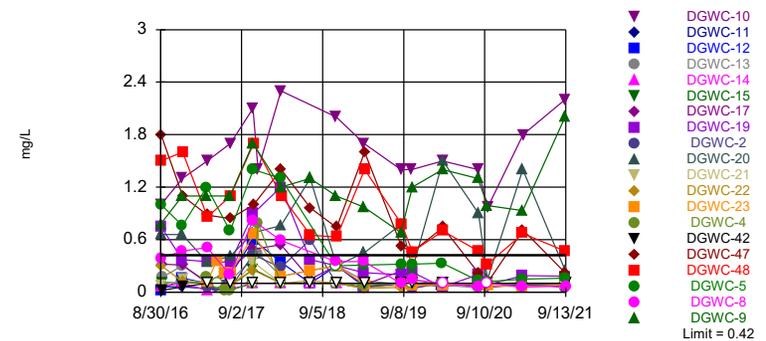


Background Data Summary (based on natural log transformation): Mean=0.9633, Std. Dev.=0.2952, n=43. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9421, critical = 0.923. Kappa = 2.236 (c=7, w=20, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0003762. Comparing 20 points to limit.

Constituent: Chloride, Total Analysis Run 11/8/2021 1:14 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

Exceeds Limit: DGWC-10, DGWC-48, DGWC-9

Prediction Limit
Interwell Non-parametric

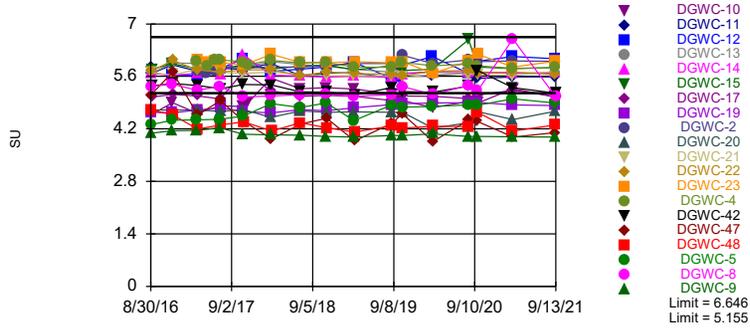


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 48 background values. 52.08% NDs. Annual per-constituent alpha = 0.03068. Individual comparison alpha = 0.0007788 (1 of 2). Comparing 20 points to limit.

Constituent: Fluoride, total Analysis Run 11/8/2021 1:14 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

Exceeds Limit: DGWC-10, DGWC-17, DGWC-19, DGWC-20, DGWC-42, DGWC-47, DGWC-48, DGWC-5, DGWC-8, DGWC-9

Prediction Limit
Interwell Parametric

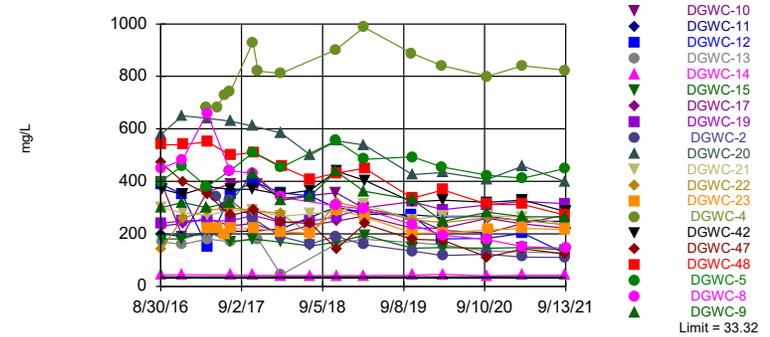


Background Data Summary: Mean=5.9, Std. Dev.=0.3378, n=50. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9448, critical = 0.935. Kappa = 2.208 (c=7, w=20, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0001881. Comparing 20 points to limit.

Constituent: pH, Field Analysis Run 11/8/2021 1:14 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

Exceeds Limit: DGWC-10, DGWC-11, DGWC-12, DGWC-13, DGWC-14, DGWC-15, DGWC-17, DGWC-19, DGWC-2, DGWC-20...

Prediction Limit
Interwell Parametric

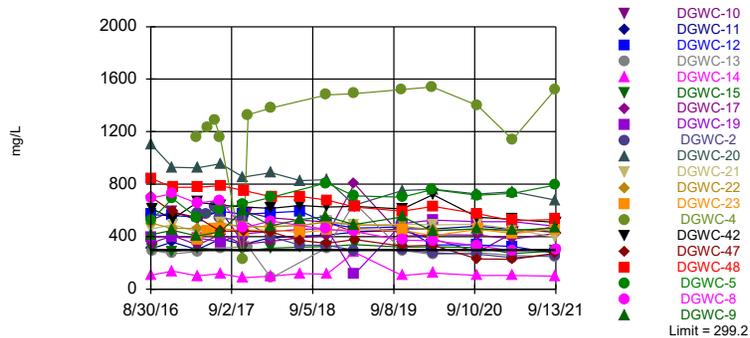


Background Data Summary (based on square root transformation): Mean=2.563, Std. Dev.=1.435, n=43, 11.63% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9331, critical = 0.923. Kappa = 2.236 (c=7, w=20, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0003762. Comparing 20 points to limit.

Constituent: Sulfate as SO4 Analysis Run 11/8/2021 1:14 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

Exceeds Limit: DGWC-10, DGWC-11, DGWC-17, DGWC-19, DGWC-20, DGWC-21, DGWC-22, DGWC-23, DGWC-4, DGWC-42...

Prediction Limit
Interwell Parametric



Background Data Summary (based on cube root transformation): Mean=4.572, Std. Dev.=0.9447, n=42. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.933, critical = 0.922. Kappa = 2.24 (c=7, w=20, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0003762. Comparing 20 points to limit.

Constituent: Total Dissolved Solids [TDS] Analysis Run 11/8/2021 1:14 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-48	DGWC-22	DGWC-20	DGWC-21	DGWC-15	DGWC-13	DGWC-42	DGWC-17	DGWA-71 (bg)
3/2/2021			3.4		1.4	0.58			
3/3/2021	0.57	3.9		5.3			0.87	0.71	
3/4/2021									
3/12/2021									
9/8/2021									<0.04
9/9/2021				5.8	1.6	0.62			
9/10/2021	0.55	4.5	4.8						
9/13/2021							0.95	0.78	

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-70A (bg)	DGWC-4	DGWA-53 (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	0.0067 (J)	4.01	0.0612		
3/29/2017					
3/30/2017				4.68	1.56
3/31/2017					
5/11/2017			0.0805		1.65
5/12/2017		3.58		4.03	
5/15/2017	0.0073 (J)				
6/15/2017	<0.04	3.58	0.0725	4.11	1.44
6/16/2017					
7/11/2017	<0.04	3.85			1.39
7/12/2017			0.0735	3.74	
7/13/2017					
8/8/2017	<0.04				
10/24/2017	0.0082 (J)	3.82	0.077		1.18
10/25/2017					
10/26/2017				4.07	
11/15/2017					
2/27/2018	0.0062 (J)	4.06			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)	4.1			0.9
11/7/2018			0.073		
11/8/2018				4.7	
3/12/2019	0.0073 (J)	4.6			0.72
3/13/2019			0.08		
3/14/2019				4.7	
9/17/2019					
10/15/2019	<0.04	5			
10/16/2019			0.059		
10/17/2019					0.73
10/18/2019				4.5	
3/2/2020	0.0055 (J)	5.9			
3/3/2020					0.68
3/4/2020				4.8	
3/9/2020			0.08 (J)		
9/22/2020	<0.04	4.3	0.056 (J)		
9/23/2020					0.57
9/24/2020				4.6	
3/1/2021	<0.04	4.7			

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-70A (bg)	DGWC-4	DGWA-53 (bg)	DGWC-23	DGWC-2
3/2/2021					0.52
3/3/2021				4	
3/4/2021					
3/12/2021			0.064		
9/8/2021					
9/9/2021	<0.04		0.065	4.7	0.51
9/10/2021		5			
9/13/2021					

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	DGWC-10	DGWC-14	DGWC-5	DGWC-11	DGWC-12	DGWC-47	DGWC-48
8/30/2016	82.7	64.9							
8/31/2016			81.7	9.95	82.6	44.2			
9/1/2016							80.6	69.3	95.1
9/2/2016									
9/6/2016									
9/7/2016									
12/6/2016	76.8	59.3	74.2	10.4	73.9	48.3			
12/7/2016							82.1		
12/8/2016								71.1	105
3/28/2017		71.6			89.1				
3/29/2017	90.5		79.5	14.4		50.5	88.3		
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	73.7			84.6				
7/12/2017			86.3	10.5		50.8	87		
7/13/2017								52.5	102
8/8/2017									
10/24/2017	78.1	92.5	81.5			55			
10/25/2017				9.67	95.6		92.1		
10/26/2017								46.7	94
11/15/2017									
2/27/2018	64.2	73.1	96.2	<25	108	51.4	85.6		
2/28/2018									
3/1/2018								44.2	
3/2/2018									86.6
3/8/2018									
7/11/2018		88.5		9.9			93.6		
7/12/2018								41.6	89.1
11/6/2018	57	81.1	94.8		124	62.6			
11/7/2018				9.7			73.3	38.6	88
11/8/2018									
3/12/2019	54.3	78.1	83.5		110	61.4	62.1		
3/13/2019				9.7					
3/14/2019								36.6	74.6
10/15/2019			79.1			61.2	61.4		
10/16/2019	47.3			9.4	109				
10/17/2019		75.6						36.2	
10/18/2019									72.7
3/2/2020					116	65.8	46.5		
3/3/2020	46	59.5	63.6	14					
3/4/2020								36	79.7
3/9/2020									
9/22/2020		54.7		11.6	99.2	72.7	55.4		
9/23/2020	39.3							22.3	72.2
9/24/2020			53.1						
3/1/2021									
3/2/2021	35.6	48.8		11.4	114	65.3			

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-19	DGWC-20	DGWC-22	DGWC-21	DGWC-13	DGWC-15	DGWC-17	DGWC-42	DGWC-4
8/30/2016									
8/31/2016									
9/1/2016	65.6								
9/2/2016		96.3	61.6	70.2					
9/6/2016					44	33.6			
9/7/2016							8.61	43.6	
12/6/2016									
12/7/2016	68.3	91.9			39.8	34.7			
12/8/2016			60.1	70.1			7.92	45.8	
3/28/2017									229
3/29/2017	68	95.7	64.7						
3/30/2017				72.5	46.3	36.9	9.56		
3/31/2017								48.3	
5/11/2017									
5/12/2017									233
5/15/2017									
6/15/2017									224
6/16/2017									
7/11/2017									249
7/12/2017	70	100		80.4	47.8	38.4	10.4		
7/13/2017			67.2					52.3	
8/8/2017									
10/24/2017									232
10/25/2017	77	97.3	66.8	75.6		36.2	10.9	50.9	
10/26/2017									
11/15/2017					49.3				
2/27/2018									245
2/28/2018	72	86.3	62.3	73.2	<25	35	<25	45.1	
3/1/2018									
3/2/2018									
3/8/2018									
7/11/2018	82.7	92.4		82.3		37.5	13 (J)	47.8	
7/12/2018			71						
11/6/2018									284
11/7/2018	81.7	85.9	60.9	78.5	44.8	11.4	37	45.5	
11/8/2018									
3/12/2019									295
3/13/2019	76.9	86.4		79.9	42.1		11.9 (J)		
3/14/2019			64.8			34.7		43.5	
10/15/2019									276
10/16/2019	85.7				43.8				
10/17/2019		86.9		79.8		37		44.1	
10/18/2019			61.7				12.9		
3/2/2020									320
3/3/2020	86.8		68.7	87.4	49.3	37.8			
3/4/2020		103					15.8	48.8	
3/9/2020									
9/22/2020	103	79.2						43.8	263
9/23/2020					39	35.6			
9/24/2020			62.6	80			12.7		
3/1/2021									322
3/2/2021	93.2	74.7			40.5	36			

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-19	DGWC-20	DGWC-22	DGWC-21	DGWC-13	DGWC-15	DGWC-17	DGWC-42	DGWC-4
3/3/2021			62.3	82.1			14.3	38.8	
3/4/2021									
3/12/2021									
9/8/2021									
9/9/2021	93.6			75.3	38.2	34.4			
9/10/2021		69.8	62.3						285
9/13/2021							15.8	38.9	

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (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	30.8	5.14	8.31		
3/29/2017					
3/30/2017				68.1	103
3/31/2017					
5/11/2017	35.8				102
5/12/2017			8.04	71.1	
5/15/2017		6.5			
6/15/2017	36	5.38		65.9	96.2
6/16/2017			7.66		
7/11/2017		5.96	7.71		98.4
7/12/2017	40.3			70	
7/13/2017					
8/8/2017		5.2			
10/24/2017	30.3	4.93	6.86		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	39.8				
7/11/2018					55
7/12/2018	34.7			72	
11/6/2018		5.5	5.7		54.5
11/7/2018	28.6				
11/8/2018				73.5	
3/12/2019		5.1	5.5		52.2
3/13/2019	26.7				
3/14/2019				73.2	
10/15/2019		5.1	5.1		
10/16/2019	17.7				
10/17/2019					47.2
10/18/2019				67.7	
3/2/2020		5.3	5.8		
3/3/2020					48.4
3/4/2020				69.8	
3/9/2020	23.7				
9/22/2020	15.5	5	5.4		
9/23/2020					44.4
9/24/2020				73.7	
3/1/2021		4.1	5.9		
3/2/2021					44

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-23	DGWC-2
3/3/2021				68.1	
3/4/2021					
3/12/2021	18.4				
9/8/2021			6.1		
9/9/2021	18.3	5.3		76.4	42
9/10/2021					
9/13/2021					

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	DGWC-14	DGWC-11	DGWC-5	DGWC-10	DGWC-48	DGWC-12	DGWC-47
8/30/2016	9.7	6							
8/31/2016			3.1	11	8.6	11			
9/1/2016							18	13	12
9/2/2016									
9/6/2016									
9/7/2016									
12/6/2016	9.8	6.2	3.1	11	8	10			
12/7/2016								20 (O)	
12/8/2016							17		12
3/28/2017		6.6			9.5				
3/29/2017	9.9		3.8	12		11		13	
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	6.9			9				
7/12/2017			2.9	11		11		12	
7/13/2017							15		5.7
8/8/2017									
10/24/2017	9.9	6.7		12		11			
10/25/2017			3.5		9.4			13	
10/26/2017							14		6.6
11/15/2017						12			
2/27/2018	9.5	8.2	3.4	12.7	9.7	10.8		11.7	
2/28/2018									
3/1/2018									10.7
3/2/2018							12.8		
3/8/2018									
7/11/2018		10.5	3.2					11.3	
7/12/2018							11.7		9.5
11/6/2018	10.5	8.7		15.2	10.2	12.3			
11/7/2018			3.1				11.4	11.8	8.6
11/8/2018									
3/12/2019	10.7	8.5		14.5	10.6	12.1		12.1	
3/13/2019			3.4						
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				
10/17/2019		10							7
10/18/2019							9.6		
3/2/2020				15	10.5			8.9	
3/3/2020	9.6	6.6	4.1			8.4			
3/4/2020							9.1		4.4
3/9/2020									
9/22/2020		8	3.2	16	10.5			10.8	
9/23/2020	9.1						8		3.3
9/24/2020						5.9			
3/1/2021									
3/2/2021	8.6	8.4	3.5	14.4	9.8				

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-19	DGWC-21	DGWC-22	DGWC-20	DGWC-13	DGWC-15	DGWC-17	DGWC-42	DGWA-53 (bg)
8/30/2016									
8/31/2016									
9/1/2016	41								
9/2/2016		25	30	15					
9/6/2016					16	19			
9/7/2016							17	33	
12/6/2016									
12/7/2016	41			16	14	20			
12/8/2016		24	26				19	32	
3/28/2017									3.7
3/29/2017	42		30	17					
3/30/2017		24			16	21	20		
3/31/2017								33	
5/11/2017									2.3
5/12/2017									
5/15/2017									
6/15/2017									2.6
6/16/2017									
7/11/2017									
7/12/2017	41	23		18	14	21	18		2.3
7/13/2017			29					33	
8/8/2017									
10/24/2017									2.7
10/25/2017	41	23	29	20		21	19	32	
10/26/2017									
11/15/2017					16				2.2
2/27/2018									
2/28/2018	36.4	19.9	23.4	18.6	2.7	20.1	17	29	
3/1/2018									
3/2/2018									
3/8/2018									2.4
7/11/2018	38.2	20.9		20.4		21.4	19.5	29.3	
7/12/2018			26.1						2.2
11/6/2018									
11/7/2018	38.8	20.5	25.8	21.5	16.7	22.4	21.4	28.6	2.3
11/8/2018									
3/12/2019									
3/13/2019	40.1	21.3		24.8	12.4		19.9		3.6
3/14/2019			26.3			24		24.8	
10/15/2019									
10/16/2019	33.2				17.4				2
10/17/2019		20.1		24.9		22		25.8	
10/18/2019			23.4				22		
3/2/2020									
3/3/2020	30.9	19.7	21.8		9.4	22.7			
3/4/2020				27.8			19.6	23.6	
3/9/2020									1.8
9/22/2020	27.6			25.8				22.1	1.6
9/23/2020					12.6	22.4			
9/24/2020		20	21.5				22.7		
3/1/2021									
3/2/2021	27			28	13.1	22.8			

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-19	DGWC-21	DGWC-22	DGWC-20	DGWC-13	DGWC-15	DGWC-17	DGWC-42	DGWA-53 (bg)
3/3/2021		19.7	20.6				20.9	20.8	
3/4/2021									
3/12/2021									2
9/8/2021									
9/9/2021	25.4	20.2			12.9	21.9			1.8
9/10/2021			17.3	26.2					
9/13/2021							18.2	17.1	

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-4	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	29	3.6	3.8		
3/29/2017					
3/30/2017				17	4.8
3/31/2017					
5/11/2017					4.4
5/12/2017	29	3.8		17	
5/15/2017			2.2		
6/15/2017	28		2	16	4.8
6/16/2017		3.4			
7/11/2017	28	3.1	2.1		4.6
7/12/2017				16	
7/13/2017					
8/8/2017			2.2		
10/24/2017	28	3.2	2.4		4.4
10/25/2017					
10/26/2017				17	
11/15/2017	27	3.1			
2/27/2018	24.6	3.2	2.5		4.1
2/28/2018					
3/1/2018				14.8	
3/2/2018					
3/8/2018					
7/11/2018					3.3
7/12/2018				15.2	
11/6/2018	24.8	2.6	2.3		3.7
11/7/2018					
11/8/2018				14.6	
3/12/2019	24.2	3.3	2.5		3.1
3/13/2019					
3/14/2019				15.2	
10/15/2019	20.9	3.3	2.2		
10/16/2019					
10/17/2019					2.8
10/18/2019				14.4	
3/2/2020	18.7	3	1.9		
3/3/2020					2.3
3/4/2020				13.9	
3/9/2020					
9/22/2020	17	5.2	1.9		
9/23/2020					2.1
9/24/2020				13.7	
3/1/2021	15	3.9	1.9		
3/2/2021					2.1

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-4	DGWA-71 (bg)	DGWA-70A (bg)	DGWC-23	DGWC-2
3/3/2021				14	
3/4/2021					
3/12/2021					
9/8/2021		5.9			
9/9/2021			1.9	12.3	2.1
9/10/2021	13.9				
9/13/2021					

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	DGWC-5	DGWC-10	DGWC-11	DGWC-14	DGWC-19	DGWC-12	DGWC-47
8/30/2016	0.39	0.78							
8/31/2016			1	1	0.06 (J)	0.06 (J)			
9/1/2016							0.75	0.02 (J)	1.8
9/2/2016									
9/6/2016									
9/7/2016									
12/6/2016	0.47	1.1	0.76	1.3	0.06 (J)	0.1 (J)			
12/7/2016							0.37	0.16 (J)	
12/8/2016									1.1
3/28/2017		1.1	1.2						
3/29/2017	0.51			1.5	0.04 (J)	0.02 (J)	0.35	0.1 (J)	
3/30/2017									
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)	1.1	0.7						
7/12/2017				1.7	0.03 (J)	<0.1	0.34	0.2 (J)	
7/13/2017									0.84
8/8/2017									
10/24/2017	0.82	1.7		2.1	<0.1				
10/25/2017			1.4			<0.1	0.9	0.6	
10/26/2017									1
11/15/2017				1.4					
2/27/2018	0.59	1.2	1.3	2.3	<0.1	<0.1		0.34	
2/28/2018							1.2		
3/1/2018									1.4
3/2/2018									
3/8/2018									
7/11/2018		1.3				<0.1	0.37	<0.1	
7/12/2018									0.96
11/6/2018	0.35	1.1	<0.3 (J)	2	<0.1				
11/7/2018						<0.1	<0.3 (J)	<0.3 (J)	0.74
11/8/2018									
3/12/2019	0.35	0.97	0.31	1.7	0.052 (J)			0.065 (J)	
3/13/2019						0.042 (J)	0.22 (J)		
3/14/2019									1.6
8/27/2019		0.68	0.32	1.4	<0.1	<0.1		<0.1	
8/28/2019	0.098 (J)						0.2		
8/29/2019									0.52
10/15/2019				1.4	<0.1			<0.1	
10/16/2019	0.14 (J)		0.32			0.052 (J)	0.23 (J)		
10/17/2019		1.2							0.46
10/18/2019									
3/2/2020			0.33		0.064 (J)			0.071 (J)	
3/3/2020	<0.1	1.4		1.5		<0.1	0.056 (J)		
3/4/2020									0.74
3/9/2020									
8/11/2020		1.3		1.4	<0.1	<0.1	0.2	<0.1	
8/12/2020	0.056 (J)		0.13						0.22

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-48	DGWC-20	DGWC-21	DGWC-22	DGWC-13	DGWC-15	DGWC-42	DGWC-17	DGWC-4
8/30/2016									
8/31/2016									
9/1/2016	1.5								
9/2/2016		0.66	0.07 (J)	0.3					
9/6/2016					0.17 (J)	0.11 (J)			
9/7/2016							0.02 (J)	0.32	
12/6/2016									
12/7/2016		0.66			0.3	0.11 (J)			
12/8/2016	1.6		0.14 (J)	0.12 (J)			0.06 (J)	0.31	
3/28/2017									0.17 (J)
3/29/2017		0.34		0.11 (J)					
3/30/2017	0.86		<0.1		0.12 (J)	<0.1		0.1 (J)	
3/31/2017							<0.1		
5/11/2017									
5/12/2017									<0.1
5/15/2017									
6/15/2017									0.02 (J)
6/16/2017									
7/11/2017									0.02 (J)
7/12/2017		0.41	0.04 (J)		0.13 (J)	0.07 (J)		0.27 (J)	
7/13/2017	1.1			0.09 (J)			<0.1		
8/8/2017									
10/24/2017									<0.1
10/25/2017		0.68	0.34	0.25 (J)		0.26 (J)	<0.1	0.49	
10/26/2017	1.7								
11/15/2017					0.44				0.79
2/27/2018									<0.1
2/28/2018		0.76	<0.1	<0.1	0.18	<0.1	<0.1	0.54	
3/1/2018									
3/2/2018	1.1								
3/8/2018									
7/11/2018		1.3	<0.1			<0.1	<0.1	0.15 (J)	
7/12/2018	0.65			0.13 (J)					
11/6/2018									<0.1
11/7/2018	0.63	<0.3 (J)	<0.1	<0.1	<0.3 (J)	<0.1	<0.1	<0.3 (J)	
11/8/2018									
3/12/2019									0.082 (J)
3/13/2019		0.45	0.043 (J)		0.13 (J)			0.084 (J)	
3/14/2019	1.4			0.042 (J)		0.057 (J)	<0.1		
8/27/2019								0.24 (J)	<0.1
8/28/2019					0.091 (J)	<0.1	<0.1		
8/29/2019	0.78	0.78	0.079 (J)	0.054 (J)					
10/15/2019									<0.1
10/16/2019					0.14 (J)				
10/17/2019		0.26 (J)	<0.1			0.079 (J)	<0.1		
10/18/2019	0.46			<0.1				0.086 (J)	
3/2/2020									<0.1
3/3/2020			<0.1	<0.1	0.078 (J)	<0.1			
3/4/2020	0.7	1.5					<0.1	<0.1	
3/9/2020									
8/11/2020									
8/12/2020					0.051 (J)				<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-48	DGWC-20	DGWC-21	DGWC-22	DGWC-13	DGWC-15	DGWC-42	DGWC-17	DGWC-4
8/13/2020	0.47	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
9/23/2020	0.32				0.058 (J)	<0.1			
9/24/2020			<0.1	<0.1				0.056 (J)	
3/1/2021									<0.1
3/2/2021		1.4			0.084 (J)	<0.1			
3/3/2021	0.67		<0.1	<0.1			<0.1	0.085 (J)	
3/4/2021									
3/12/2021									
9/8/2021									
9/9/2021			<0.1		0.083 (J)	<0.1			
9/10/2021	0.47	0.25		<0.1					<0.1
9/13/2021							<0.1	0.063 (J)	

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-71 (bg)	DGWC-23	DGWC-2	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)	0.06 (J)			1.2 (O)
3/29/2017					
3/30/2017			0.12 (J)	0.06 (J)	
3/31/2017					
5/11/2017	0.07 (J)			0.06 (J)	
5/12/2017		<0.1	0.36		
5/15/2017					0.005 (J)
6/15/2017	0.19 (J)		0.21 (J)	0.07 (J)	0.02 (J)
6/16/2017		0.008 (J)			
7/11/2017		0.007 (J)		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)	<0.1		0.43	<0.1
10/25/2017					
10/26/2017			0.66		
11/15/2017	0.05 (J)	<0.1			
2/27/2018		<0.1		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	<0.1
11/7/2018	<0.1				
11/8/2018			<0.3 (J)		
3/12/2019		<0.1		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	<0.1
8/28/2019	0.42				
8/29/2019			0.095 (J)		
10/15/2019		<0.1			<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			<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	<0.1
8/12/2020					

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-71 (bg)	DGWC-23	DGWC-2	DGWA-70A (bg)
8/13/2020	0.062 (J)		0.1		
8/14/2020					
9/22/2020	0.099 (J)	<0.1			<0.1
9/23/2020				<0.1	
9/24/2020			0.075 (J)		
3/1/2021		<0.1			<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		<0.1			
9/9/2021	0.099 (J)		0.084 (J)	0.053 (J)	<0.1
9/10/2021					
9/13/2021					

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-22	DGWC-21	DGWC-15	DGWC-13	DGWC-17	DGWC-42	DGWC-12	DGWC-4
8/11/2020								5.69	
8/12/2020					5.68				5.93
8/13/2020	4.36			6.58			5.34		
8/14/2020		5.76	5.66			5.01			
9/22/2020	4.66						5.76	6	5.88
9/23/2020				5.85	5.72				
9/24/2020		5.69	5.64			5.1			
3/1/2021									5.82
3/2/2021	4.45			5.81	5.68				
3/3/2021		5.71	5.63			5.23	5.3	6.13	
3/4/2021									
3/12/2021									
9/8/2021									
9/9/2021			5.73	5.83	5.69			6.07	
9/10/2021	4.67	5.65							5.83
9/13/2021						5.06	5.15		

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-71 (bg)	DGWC-23	DGWC-2	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	6.29	5.94			
3/29/2017					
3/30/2017			6.03	5.75	
3/31/2017					
5/11/2017	6.6			5.67	
5/12/2017		5.46	5.97		
5/15/2017					5.72
6/15/2017	6.41		6	5.75	5.74
6/16/2017		5.81			
7/11/2017		5.74		5.87	5.62
7/12/2017	5.91		5.97		
7/13/2017					
8/8/2017					5.6
10/24/2017	5.51	5.86		5.82	5.71
10/25/2017					
10/26/2017			5.9		
11/15/2017	6.5	5.77			
2/27/2018		5.66		5.85	5.5
2/28/2018					
3/1/2018			6.19		
3/2/2018					
3/8/2018	6.18				
7/10/2018		5.63			5.44
7/11/2018				5.85	
7/12/2018	6.33		5.97		
11/6/2018		5.79		5.88	5.71
11/7/2018	6.22				
11/8/2018			5.96		
3/12/2019		5.74		5.94	5.52
3/13/2019	6				
3/14/2019			5.99		
8/27/2019		5.87		5.94	5.53
8/28/2019	6.04				
8/29/2019			5.96		
9/17/2019					
10/15/2019		5.88			5.61
10/16/2019	6.69				
10/17/2019				6.16	
10/18/2019			5.99		
3/2/2020		5.77			5.54
3/3/2020				5.94	
3/4/2020			5.68		
3/9/2020	6.41				

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-71 (bg)	DGWC-23	DGWC-2	DGWA-70A (bg)
8/11/2020		5.96		6.04	5.86
8/12/2020					
8/13/2020	6.17		6		
8/14/2020					
9/22/2020	6.43	6.06			6.01
9/23/2020				5.99	
9/24/2020			6.19		
3/1/2021		5.8			5.43
3/2/2021				6.01	
3/3/2021			5.85		
3/4/2021					
3/12/2021	6.38				
9/8/2021		5.76			
9/9/2021	6.41		6	6	5.5
9/10/2021					
9/13/2021					

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-9	DGWC-8	DGWC-10	DGWC-11	DGWC-5	DGWC-14	DGWC-47	DGWC-12	DGWC-19
8/30/2016	300	450							
8/31/2016			400	200	400	44			
9/1/2016							470	390	240
9/2/2016									
9/6/2016									
9/7/2016									
12/6/2016	320	480	190	190	460	45			
12/7/2016								350	250
12/8/2016							400		
3/28/2017	300				380				
3/29/2017		660	360	200		81 (O)		150	250
3/30/2017									
3/31/2017							350		
5/11/2017									
5/12/2017									
5/15/2017									
6/15/2017									
6/16/2017									
7/11/2017	320	440			440				
7/12/2017			390	210		44		350	250
7/13/2017							270		
8/8/2017									
10/24/2017	430	430	410	210					
10/25/2017					510	42		400	270
10/26/2017							290		
11/15/2017			390						
2/27/2018	327	340	335	220	453	41		356	
2/28/2018									244
3/1/2018							245		
3/2/2018									
3/8/2018									
7/11/2018	344					40.6		344	249
7/12/2018							240		
11/6/2018	438	307	356	302	556				
11/7/2018						41.3	143	298	266
11/8/2018									
3/12/2019	362	295	297	275	484			284	
3/13/2019						41.2			299
3/14/2019							238		
10/15/2019			263	273				270	
10/16/2019		235			493	42.1			323
10/17/2019	331						179		
10/18/2019									
3/2/2020				264	455			181	
3/3/2020	247	195	213			45.5			292
3/4/2020							176		
3/9/2020									
9/22/2020	282			267	423	40.2		183	310
9/23/2020		178					111		
9/24/2020			204						
3/1/2021									
3/2/2021	266	152		250	412	42.6			324

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-9	DGWC-8	DGWC-10	DGWC-11	DGWC-5	DGWC-14	DGWC-47	DGWC-12	DGWC-19
3/3/2021							143	203	
3/4/2021			240						
3/12/2021									
9/8/2021									
9/9/2021				247		42.3		126	315
9/10/2021	264		271		449		123		
9/13/2021		145							

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-48	DGWC-22	DGWC-21	DGWC-20	DGWC-13	DGWC-15	DGWC-42	DGWC-17	DGWC-4
8/30/2016									
8/31/2016									
9/1/2016	540								
9/2/2016		140	300	580					
9/6/2016					170	180			
9/7/2016							370	230	
12/6/2016									
12/7/2016				650	160	180			
12/8/2016	540	260	280				350	240	
3/28/2017									680
3/29/2017		290		640					
3/30/2017	550		270		180	210		260	
3/31/2017							380		
5/11/2017									
5/12/2017									680
5/15/2017									
6/15/2017									730
6/16/2017									
7/11/2017									740
7/12/2017			290	630	170	170		230	
7/13/2017	500	300					370		
8/8/2017									
10/24/2017									930
10/25/2017		290	290	610		180	370	240	
10/26/2017	510								
11/15/2017					180				820
2/27/2018									811
2/28/2018		278	267	584	43.5	168	350	203	
3/1/2018									
3/2/2018	456								
3/8/2018									
7/11/2018			277	501		154	366	234	
7/12/2018	409	197							
11/6/2018									902
11/7/2018	432	320	286	554	162	168	439	248	
11/8/2018									
3/12/2019									987
3/13/2019			312	539	179			268	
3/14/2019	450	297				195	404		
10/15/2019									888
10/16/2019					167				
10/17/2019			255	426		146	321		
10/18/2019	336	254						222	
3/2/2020									840
3/3/2020		242	269		157	148			
3/4/2020	368			434			329	222	
3/9/2020									
9/22/2020				408			320		800
9/23/2020	313				134	146			
9/24/2020		262	269					259	
3/1/2021									840
3/2/2021				458	131	148			

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-48	DGWC-22	DGWC-21	DGWC-20	DGWC-13	DGWC-15	DGWC-42	DGWC-17	DGWC-4
3/3/2021	312	252	264				329	237	
3/4/2021									
3/12/2021									
9/8/2021									
9/9/2021			238		127	139			
9/10/2021	272	234		399					823
9/13/2021							285	222	

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-71 (bg)	DGWA-70A (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	17	2.7	49		
3/29/2017					
3/30/2017				360	220
3/31/2017					
5/11/2017			21	340	
5/12/2017	17				220
5/15/2017		1			
6/15/2017		0.86 (J)	16	300	200
6/16/2017	11				
7/11/2017	11	1.4		330	
7/12/2017			10		220
7/13/2017					
8/8/2017		1.5			
10/24/2017	9.6	1.4	15	260	
10/25/2017					
10/26/2017					220
11/15/2017	7.8		3.8		
2/27/2018	7.4	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	7.3	<1 (J)		190	
11/7/2018			12.8		
11/8/2018					292
3/12/2019	7	0.35 (J)		159	
3/13/2019			23.7		
3/14/2019					266
10/15/2019	7.4	0.16 (J)			
10/16/2019			15.1		
10/17/2019				134	
10/18/2019					203
3/2/2020	8.5	<1			
3/3/2020				118	
3/4/2020					204
3/9/2020			9.5		
9/22/2020	6.5	<1	13.5		
9/23/2020				122	
9/24/2020					215
3/1/2021	5.2	<1			
3/2/2021				112	

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-71 (bg)	DGWA-70A (bg)	DGWA-53 (bg)	DGWC-2	DGWC-23
3/3/2021					221
3/4/2021					
3/12/2021			8.8		
9/8/2021	6.1				
9/9/2021		<1	11.9	110	217
9/10/2021					
9/13/2021					

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	DGWC-10	DGWC-5	DGWC-11	DGWC-14	DGWC-19	DGWC-48	DGWC-12
8/30/2016	693	414							
8/31/2016			525	524	307	106			
9/1/2016							396	845	568
9/2/2016									
9/6/2016									
9/7/2016									
12/6/2016	727	449	595	690	358	138			
12/7/2016							400		559
12/8/2016								777	
3/28/2017		404		545					
3/29/2017	654		525		300	102	390		550
3/30/2017								775	
3/31/2017									
5/11/2017									
5/12/2017									
5/15/2017									
6/15/2017									
6/16/2017									
7/11/2017	679	436		612					
7/12/2017			598		382	118	360		594
7/13/2017								789	
8/8/2017									
10/24/2017	468	599	353		342				
10/25/2017				650		88	423		571
10/26/2017								753	
11/15/2017			582						
2/27/2018	520	482	542	698	393	99			582
2/28/2018							440		
3/1/2018									
3/2/2018								704	
3/8/2018									
7/11/2018		532				119	457		593
7/12/2018								705	
11/6/2018	456	554	512	809	412				
11/7/2018						113	461	678	504
11/8/2018									
3/12/2019	438	493	436	711	433				465
3/13/2019						280	113		
3/14/2019								625	
10/15/2019			447		461				472
10/16/2019	374			702		104	500		
10/17/2019		550							
10/18/2019								593	
3/2/2020				759	458				338
3/3/2020	369	444	382			123	526		
3/4/2020								630	
3/9/2020									
9/22/2020		461		716	481	105	513		338
9/23/2020	333							575	
9/24/2020			283						
3/1/2021									
3/2/2021	291	449		730	456	105	513		

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-47	DGWC-20	DGWC-22	DGWC-21	DGWC-13	DGWC-15	DGWC-42	DGWC-17	DGWC-4
8/30/2016									
8/31/2016									
9/1/2016	704								
9/2/2016		1100	502	459					
9/6/2016					296	304			
9/7/2016							611	353	
12/6/2016									
12/7/2016		930			270	287			
12/8/2016	587		464	491			535	408	
3/28/2017									1160
3/29/2017		923	462						
3/30/2017				436	287	312		338	
3/31/2017	545						661		
5/11/2017									
5/12/2017									1230
5/15/2017									
6/15/2017									1290
6/16/2017									
7/11/2017									1160
7/12/2017		956		505	312	490 (O)		417	
7/13/2017	441		492				641		
8/8/2017									
10/24/2017									229
10/25/2017		854	477	474		290	626	343	
10/26/2017	444								
11/15/2017					325				1330
2/27/2018									1380
2/28/2018		888	476	480	84	313	616	364	
3/1/2018	435								
3/2/2018									
3/8/2018									
7/11/2018		826		485		320	638	393	
7/12/2018	372		486						
11/6/2018									1480
11/7/2018	348	834	511	516	314	325	626	408	
11/8/2018									
3/12/2019									1490
3/13/2019		639		486	656			802	
3/14/2019	378		491			340	630		
10/15/2019									1520
10/16/2019					296				
10/17/2019	327	751		498		319	612		
10/18/2019			480					403	
3/2/2020									1540
3/3/2020			452	490	263	323			
3/4/2020	334	761					721	414	
3/9/2020									
9/22/2020		724					547		1400
9/23/2020	229				278	317			
9/24/2020			455	494				411	
3/1/2021									1140
3/2/2021		742			256	272			

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-47	DGWC-20	DGWC-22	DGWC-21	DGWC-13	DGWC-15	DGWC-42	DGWC-17	DGWC-4
3/3/2021	228		442	459			531	384	
3/4/2021									
3/12/2021									
9/8/2021									
9/9/2021				396	246	292			
9/10/2021	274	678	468						1520
9/13/2021							508	424	

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (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	202	39	90		
3/29/2017					
3/30/2017				580	380
3/31/2017					
5/11/2017	241			573	
5/12/2017			92		438
5/15/2017		88			
6/15/2017	251	65		626	458
6/16/2017			100		
7/11/2017		25	59	542	
7/12/2017	218				461
7/13/2017					
8/8/2017		53			
10/24/2017	671 (O)	49	117	523	
10/25/2017					
10/26/2017					446
11/15/2017	241		90		
2/27/2018		43	79	401	
2/28/2018					
3/1/2018					454
3/2/2018					
3/8/2018	213				
7/11/2018				334	
7/12/2018	198				432
11/6/2018		65	85	334	
11/7/2018	200				
11/8/2018					450
3/12/2019		43	74	297	
3/13/2019	201				
3/14/2019					453
10/15/2019		70	89		
10/16/2019	126				
10/17/2019				302	
10/18/2019					448
3/2/2020		52	67		
3/3/2020				277	
3/4/2020					408
3/9/2020	171				
9/22/2020	142	46	74		
9/23/2020				267	
9/24/2020					456
3/1/2021		25	62		
3/2/2021				241	

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-2	DGWC-23
3/3/2021					425
3/4/2021					
3/12/2021	124				
9/8/2021			75		
9/9/2021	131	53		260	455
9/10/2021					
9/13/2021					

FIGURE E.

Appendix III Trend Tests - Significant Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 2/25/2022, 7:30 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron, total (mg/L)	DGWC-10	-0.7511	-62	-43	Yes	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-11	0.06556	62	43	Yes	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-12	-1.24	-63	-53	Yes	15	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-13	-0.08547	-49	-43	Yes	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-2	-0.263	-85	-48	Yes	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-20	-0.7252	-64	-48	Yes	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-4	0.3101	54	43	Yes	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-47	-0.0335	-76	-48	Yes	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-48	-0.07754	-68	-48	Yes	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-8	-0.4216	-69	-43	Yes	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-9	-0.2815	-80	-48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWA-53 (bg)	-4.533	-57	-48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-11	4.66	64	43	Yes	13	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-19	6.089	75	48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-2	-15.03	-87	-48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-4	21.16	50	43	Yes	13	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-48	-7.485	-73	-48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-5	8.05	50	43	Yes	13	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWA-53 (bg)	-0.1941	-59	-53	Yes	15	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-11	1.079	44	43	Yes	13	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-12	-0.7273	-55	-43	Yes	13	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-15	0.5787	57	48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-19	-3.305	-69	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-20	2.833	83	48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-21	-1.053	-62	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-22	-2.241	-68	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-23	-0.873	-72	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-4	-3.438	-85	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-42	-3.134	-79	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-48	-2.232	-67	-48	Yes	14	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	DGWC-48	-0.1917	-68	-58	Yes	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-19	0.05374	74	58	Yes	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-5	0.112	74	58	Yes	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-9	-0.02122	-75	-58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWA-70A (bg)	-0.2582	-50	-48	Yes	14	35.71	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWA-71 (bg)	-1.564	-72	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-12	-47.07	-54	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-15	-8.561	-57	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-19	17.24	60	48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-2	-59.83	-83	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-20	-51.63	-69	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-47	-58.21	-78	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-48	-56.15	-76	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-8	-72.96	-72	-43	Yes	13	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWA-53 (bg)	-26.59	-62	-48	Yes	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-11	32.36	53	43	Yes	13	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-19	29.77	52	48	Yes	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-20	-58.61	-69	-48	Yes	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-48	-61.71	-79	-48	Yes	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-5	38.2	54	43	Yes	13	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-8	-87.61	-70	-43	Yes	13	0	n/a	n/a	0.01	NP

Appendix III Trend Tests - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 2/25/2022, 7:30 AM

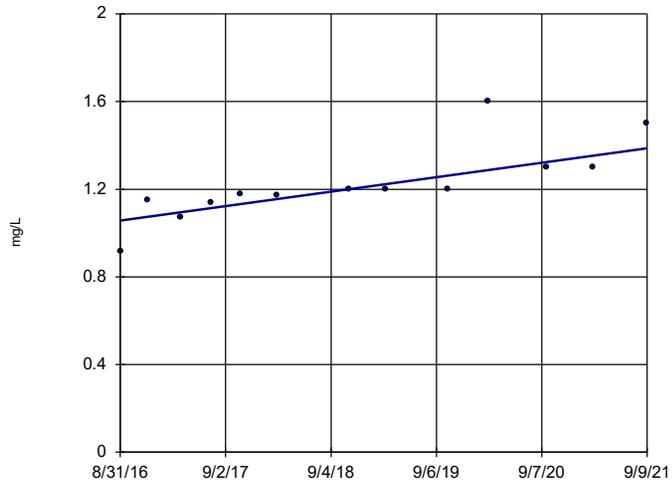
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron, total (mg/L)	DGWA-53 (bg)	-0.002041	-16	-48	No	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWA-70A (bg)	0	14	48	No	14	57.14	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWA-71 (bg)	0	-2	-43	No	13	23.08	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-10	-0.7511	-62	-43	Yes	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-11	0.06556	62	43	Yes	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-12	-1.24	-63	-53	Yes	15	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-13	-0.08547	-49	-43	Yes	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-15	0.01926	22	48	No	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-17	0.03666	39	48	No	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-19	-0.1898	-40	-48	No	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-2	-0.263	-85	-48	Yes	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-20	-0.7252	-64	-48	Yes	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-21	0.2662	21	48	No	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-22	0.1044	17	48	No	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-23	0.1025	25	48	No	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-4	0.3101	54	43	Yes	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-42	-0.01135	-22	-48	No	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-47	-0.0335	-76	-48	Yes	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-48	-0.07754	-68	-48	Yes	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-5	-0.1613	-13	-43	No	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-8	-0.4216	-69	-43	Yes	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-9	-0.2815	-80	-48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWA-53 (bg)	-4.533	-57	-48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWA-70A (bg)	-0.1515	-29	-48	No	14	7.143	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWA-71 (bg)	-0.6883	-36	-43	No	13	7.692	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-10	-1.262	-14	-43	No	13	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-11	4.66	64	43	Yes	13	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-19	6.089	75	48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-2	-15.03	-87	-48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-20	-4.731	-43	-48	No	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-21	2.444	41	48	No	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-22	0.05105	6	48	No	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-23	1.103	32	48	No	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-4	21.16	50	43	Yes	13	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-48	-7.485	-73	-48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-5	8.05	50	43	Yes	13	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-9	-5.362	-25	-48	No	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWA-53 (bg)	-0.1941	-59	-53	Yes	15	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWA-70A (bg)	-0.08417	-33	-48	No	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWA-71 (bg)	0.07636	12	48	No	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-10	-0.6293	-33	-48	No	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-11	1.079	44	43	Yes	13	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-12	-0.7273	-55	-43	Yes	13	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-13	-0.3754	-14	-43	No	13	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-15	0.5787	57	48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-17	0.6518	35	48	No	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-19	-3.305	-69	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-20	2.833	83	48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-21	-1.053	-62	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-22	-2.241	-68	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-23	-0.873	-72	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-4	-3.438	-85	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-42	-3.134	-79	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-48	-2.232	-67	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-5	0.4296	43	43	No	13	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-8	-0.1857	-24	-43	No	13	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-9	0.5877	44	48	No	14	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	DGWA-53 (bg)	-0.001259	-9	-63	No	17	11.76	n/a	n/a	0.01	NP

Appendix III Trend Tests - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 2/25/2022, 7:30 AM

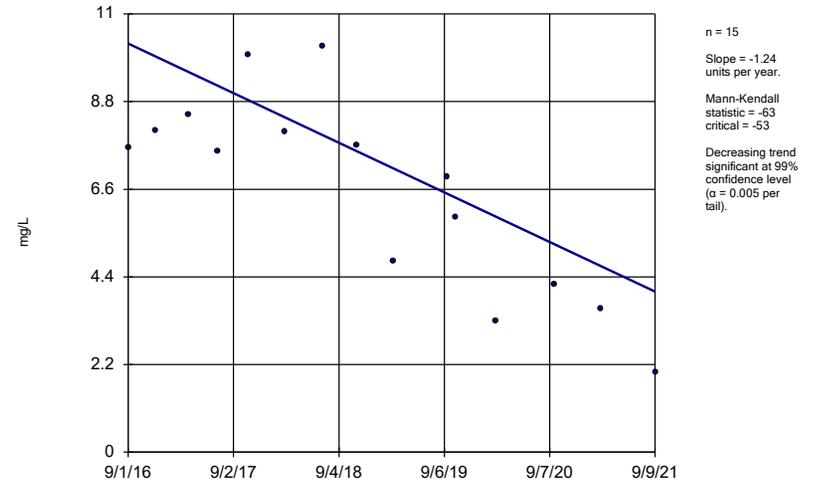
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Fluoride, total (mg/L)	DGWA-70A (bg)	0.01092	48	53	No	15	66.67	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	DGWA-71 (bg)	0	32	58	No	16	81.25	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	DGWC-10	0.03121	14	58	No	16	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	DGWC-48	-0.1917	-68	-58	Yes	16	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	DGWC-9	0.03993	16	58	No	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWA-53 (bg)	0.02897	13	63	No	17	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWA-70A (bg)	-0.02535	-22	-58	No	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWA-71 (bg)	0.03005	28	63	No	17	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-10	0.061	32	63	No	17	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-17	-0.003279	-9	-63	No	17	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-19	0.05374	74	58	Yes	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-20	-0.02007	-42	-53	No	15	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-42	-0.02543	-32	-58	No	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-47	-0.1735	-52	-58	No	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-48	-0.02287	-24	-58	No	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-5	0.112	74	58	Yes	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-8	0	-3	-58	No	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-9	-0.02122	-75	-58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWA-53 (bg)	-1.708	-31	-53	No	15	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWA-70A (bg)	-0.2582	-50	-48	Yes	14	35.71	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWA-71 (bg)	-1.564	-72	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-10	-35.48	-42	-48	No	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-11	15.01	34	43	No	13	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-12	-47.07	-54	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-13	-7.462	-36	-43	No	13	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-14	-0.3613	-11	-43	No	13	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-15	-8.561	-57	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-17	-0.2865	-6	-48	No	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-19	17.24	60	48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-2	-59.83	-83	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-20	-51.63	-69	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-21	-7.197	-43	-48	No	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-22	-5.563	-14	-48	No	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-23	0	3	48	No	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-4	34.38	33	48	No	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-42	-12.99	-40	-48	No	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-47	-58.21	-78	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-48	-56.15	-76	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-5	1.576	2	43	No	13	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-8	-72.96	-72	-43	Yes	13	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-9	-8.648	-15	-48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWA-53 (bg)	-26.59	-62	-48	Yes	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWA-70A (bg)	-1.029	-7	-48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWA-71 (bg)	-5.605	-39	-48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-10	-38.88	-42	-48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-11	32.36	53	43	Yes	13	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-17	11.01	34	48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-19	29.77	52	48	Yes	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-20	-58.61	-69	-48	Yes	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-21	1.49	4	48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-22	-5.683	-27	-48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-23	0.7783	3	48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-4	86.33	45	48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-42	-15.87	-24	-48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-48	-61.71	-79	-48	Yes	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-5	38.2	54	43	Yes	13	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-8	-87.61	-70	-43	Yes	13	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-9	7.766	16	48	No	14	0	n/a	n/a	0.01	NP

Sen's Slope Estimator
DGWC-11



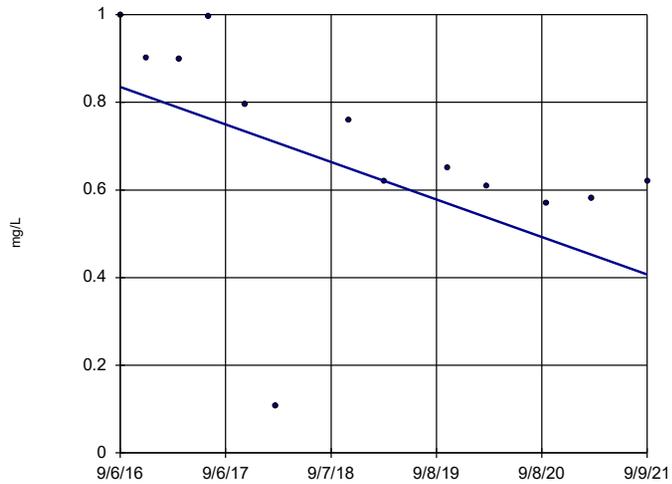
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-12



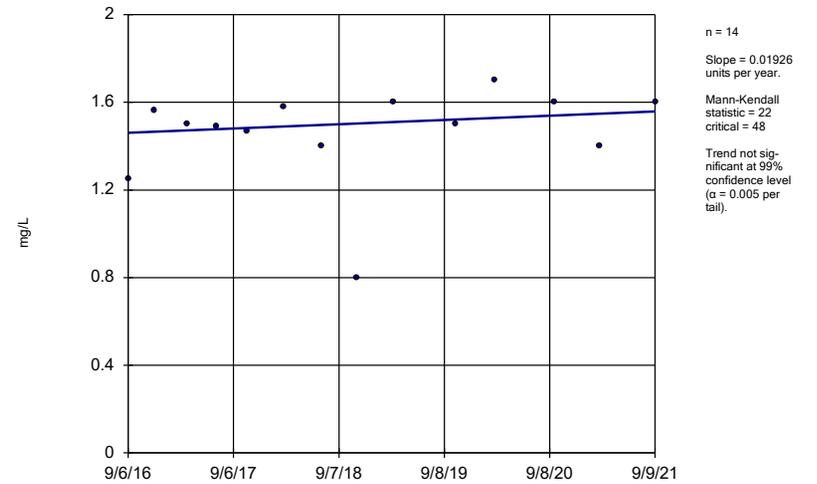
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-13



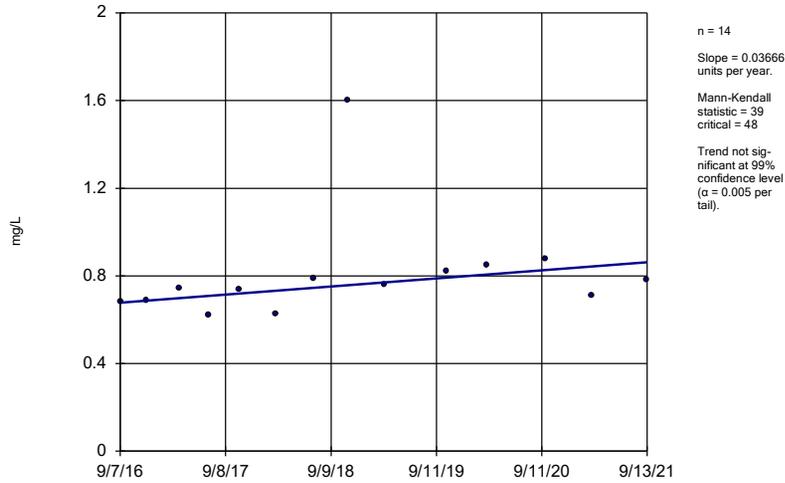
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Sen's Slope Estimator
DGWC-15



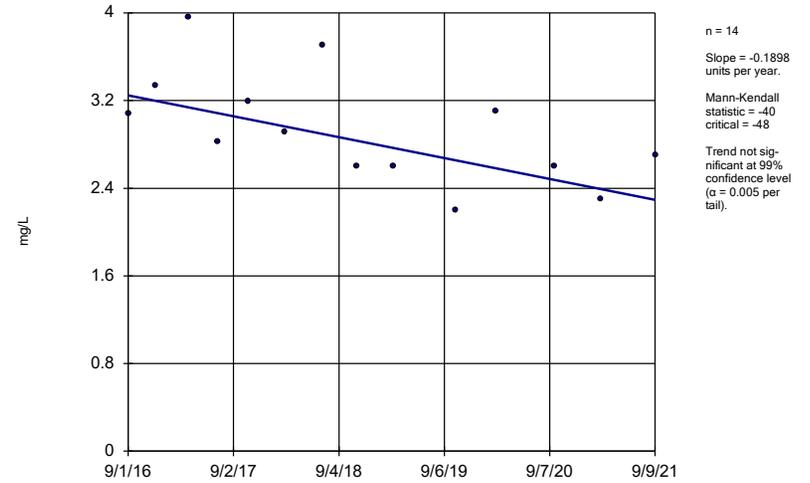
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-17



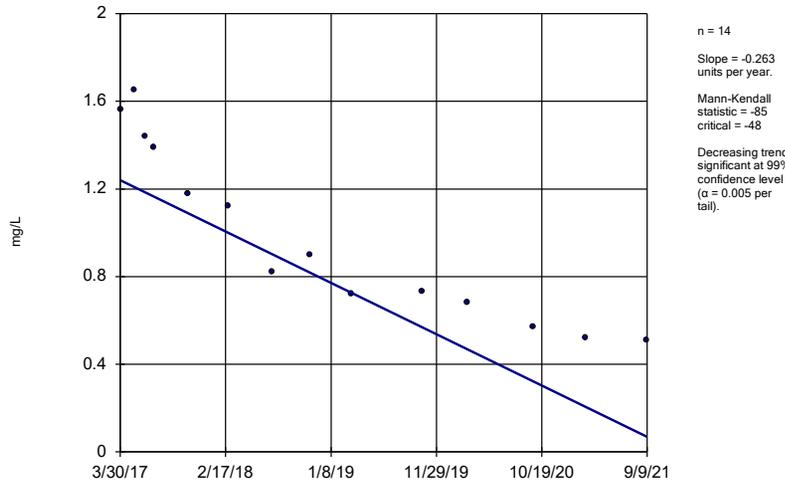
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-19



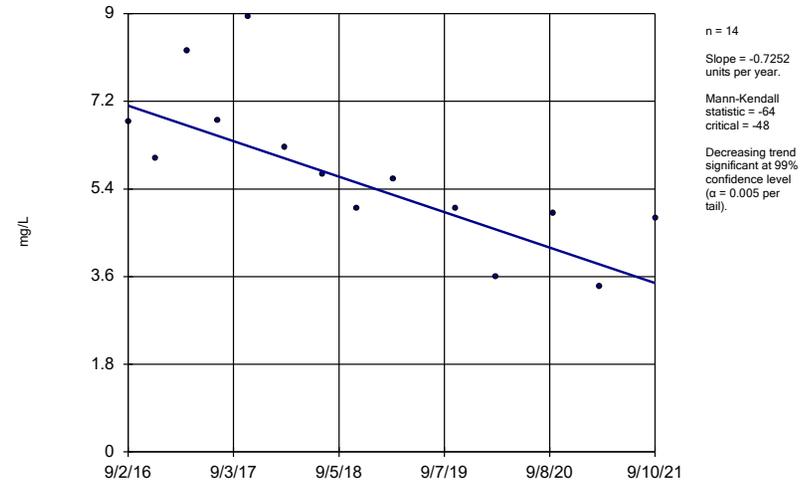
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-2



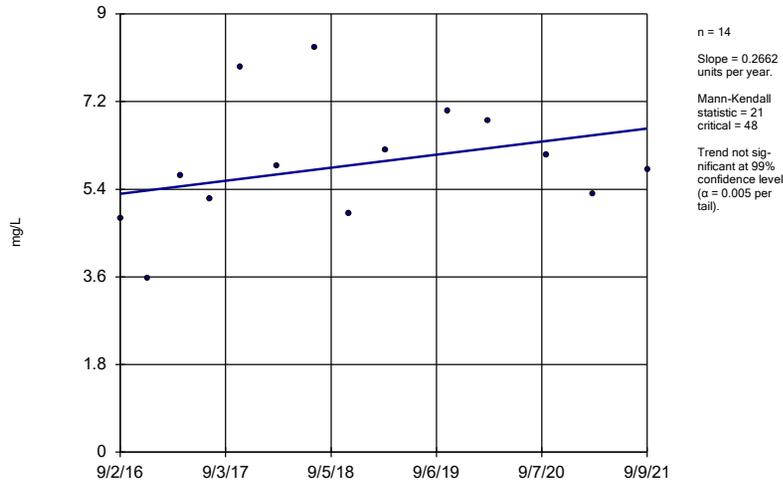
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-20



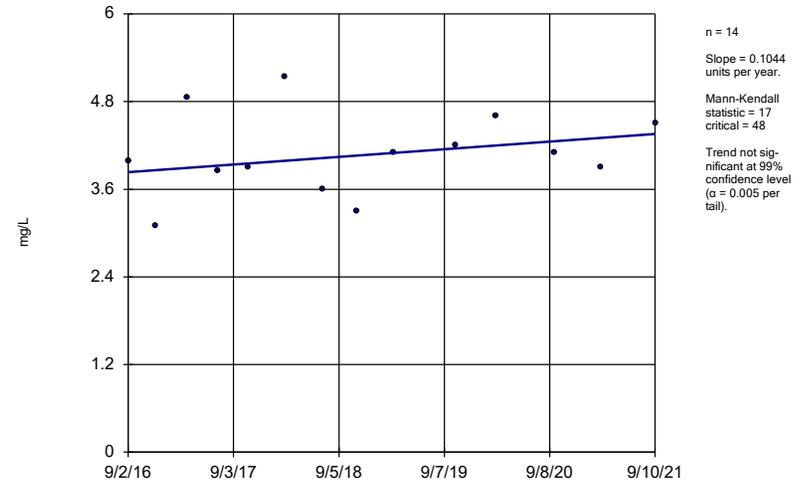
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-21



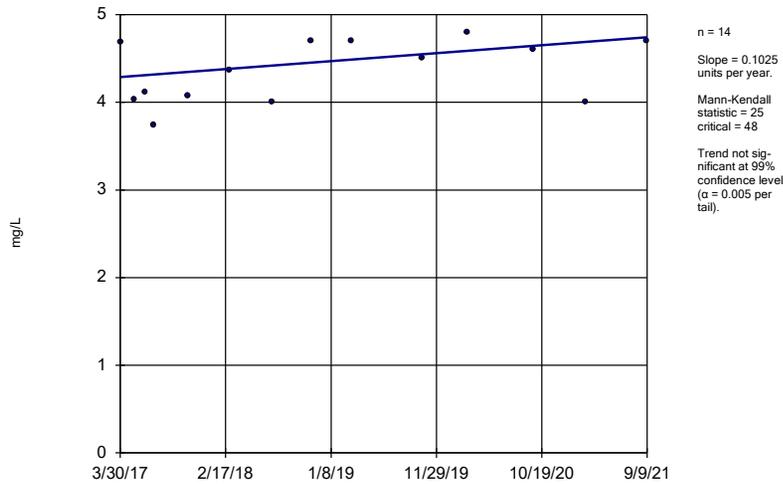
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-22



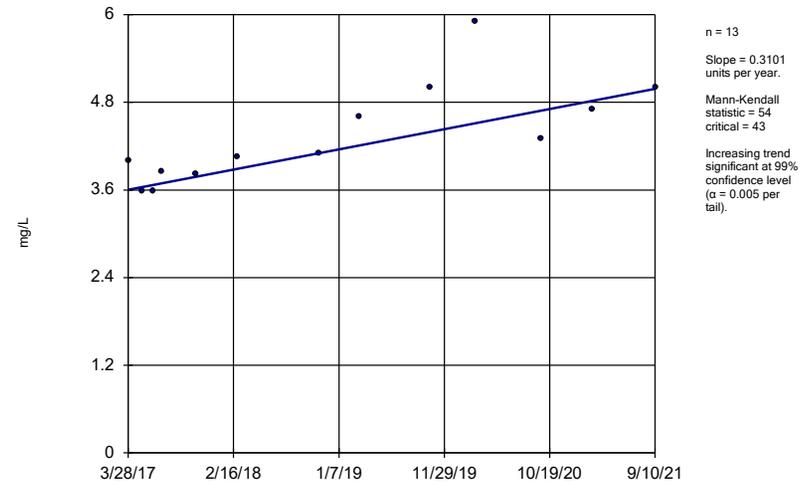
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-23



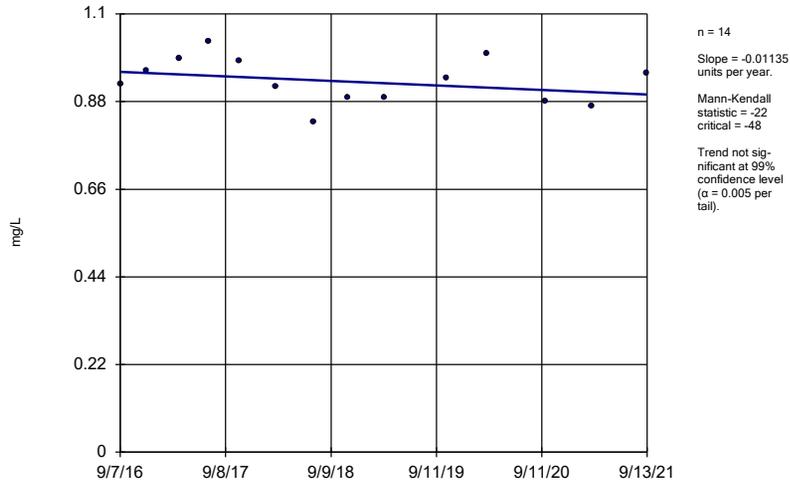
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-4



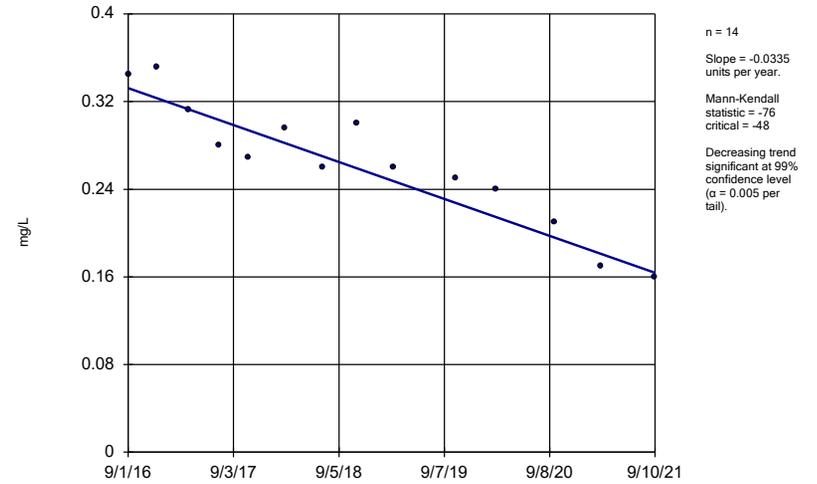
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-42



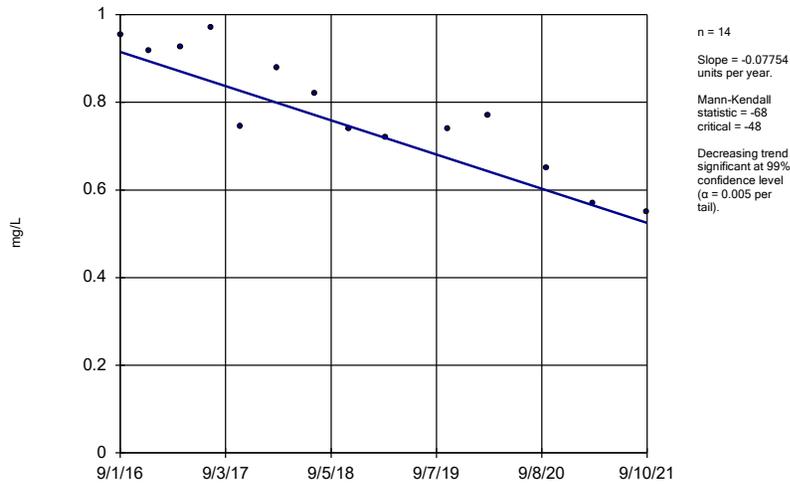
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-47



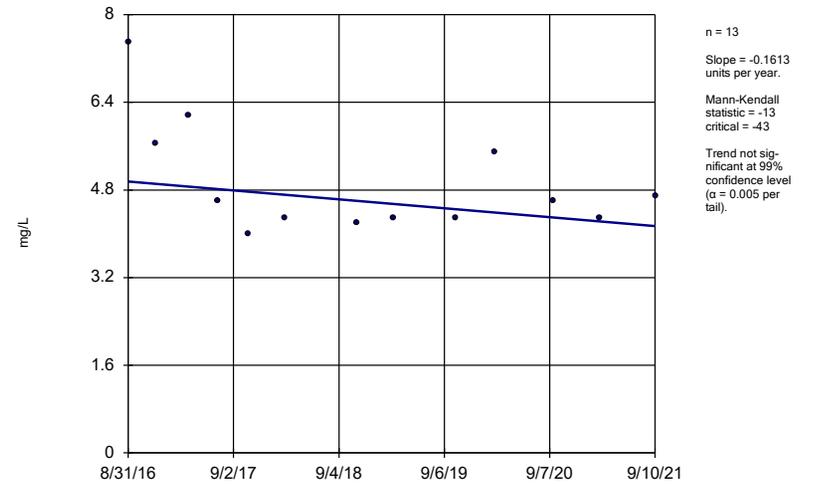
Constituent: Boron, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-48



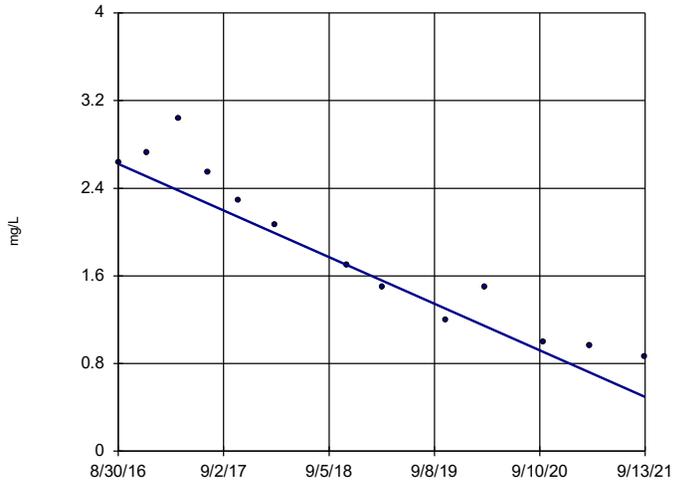
Constituent: Boron, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-5



Constituent: Boron, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

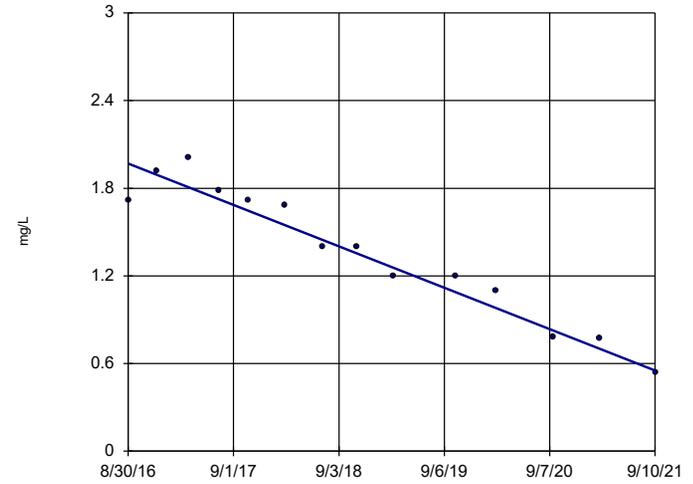
Sen's Slope Estimator
DGWC-8



n = 13
Slope = -0.4216 units per year.
Mann-Kendall statistic = -69
critical = -43
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

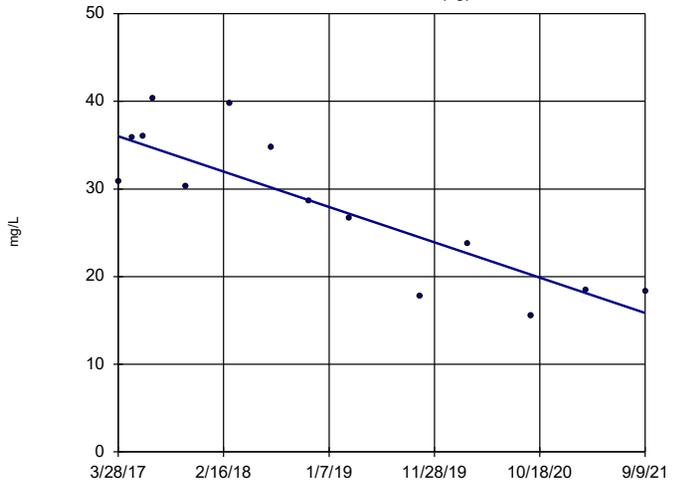
Sen's Slope Estimator
DGWC-9



n = 14
Slope = -0.2815 units per year.
Mann-Kendall statistic = -80
critical = -48
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

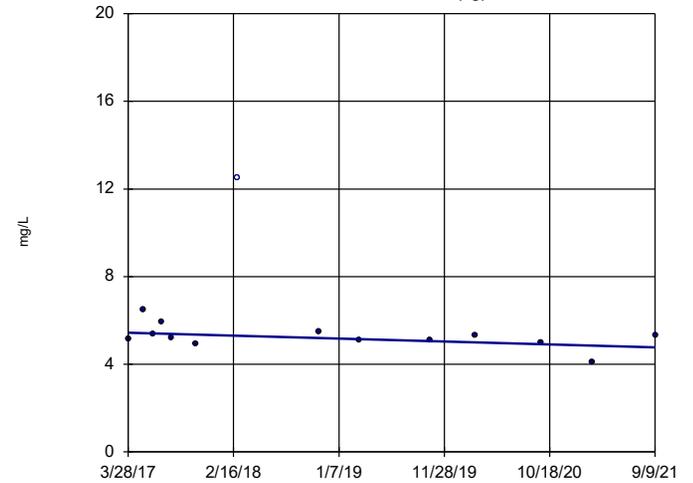
Sen's Slope Estimator
DGWA-53 (bg)



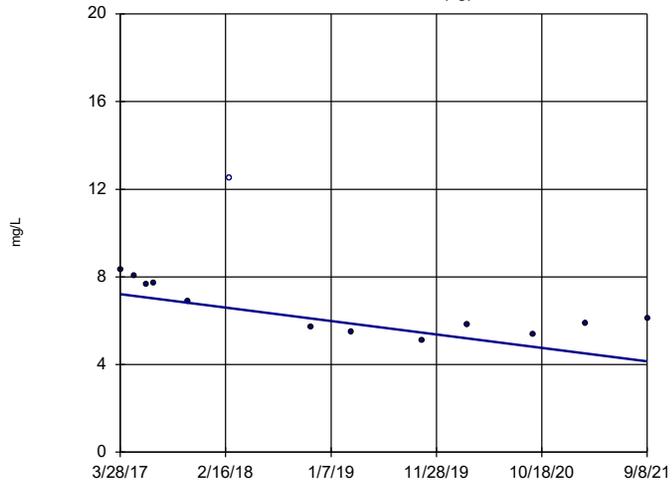
n = 14
Slope = -4.533 units per year.
Mann-Kendall statistic = -57
critical = -48
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWA-70A (bg)

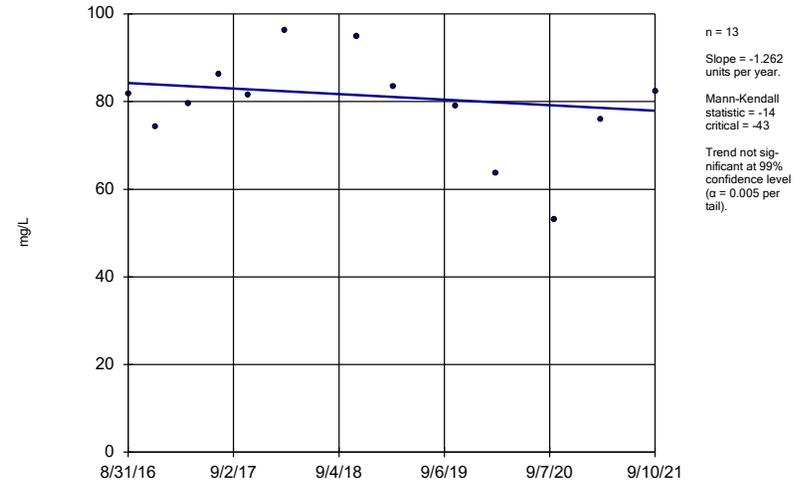


Sen's Slope Estimator DGWA-71 (bg)



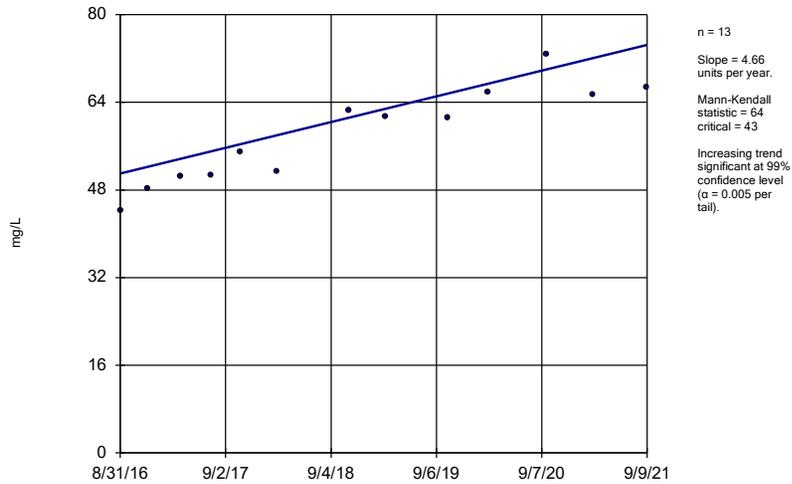
Constituent: Calcium, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator DGWC-10



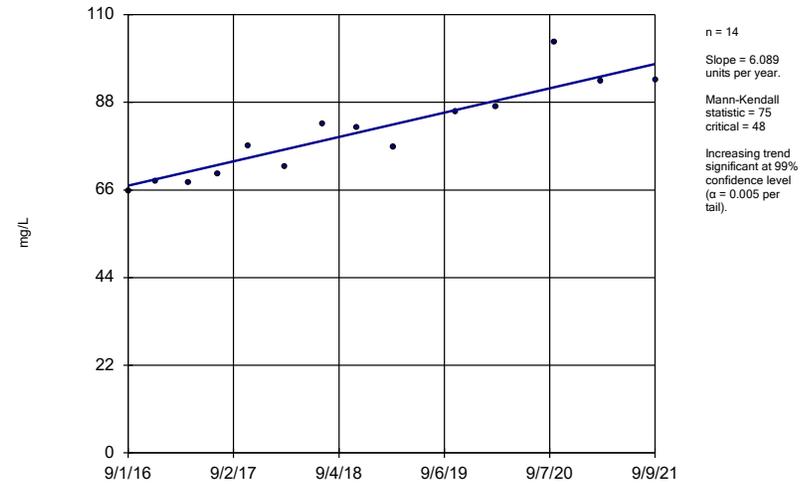
Constituent: Calcium, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator DGWC-11



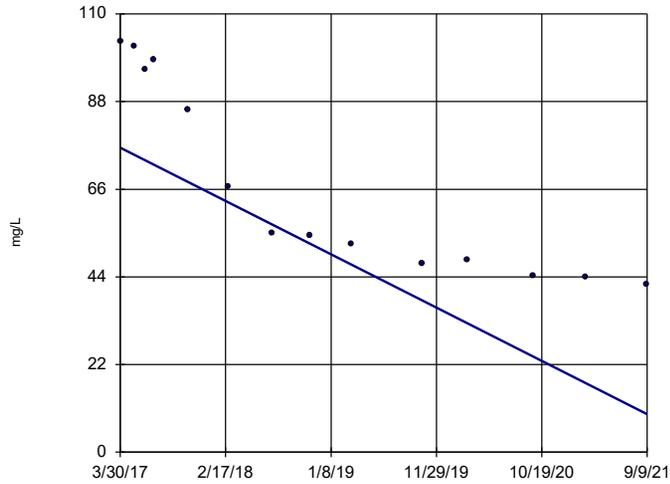
Constituent: Calcium, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator DGWC-19



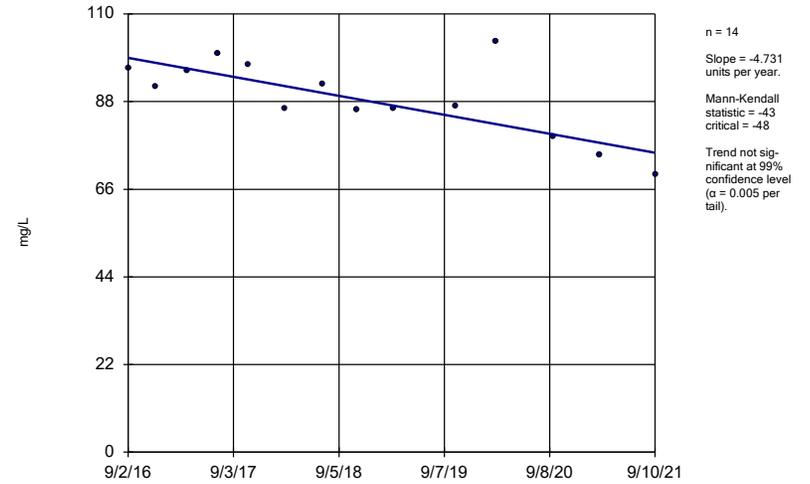
Constituent: Calcium, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-2



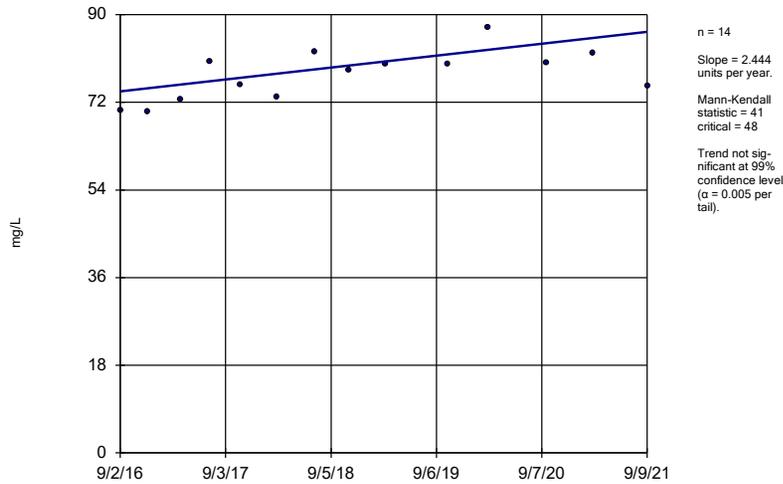
Constituent: Calcium, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-20



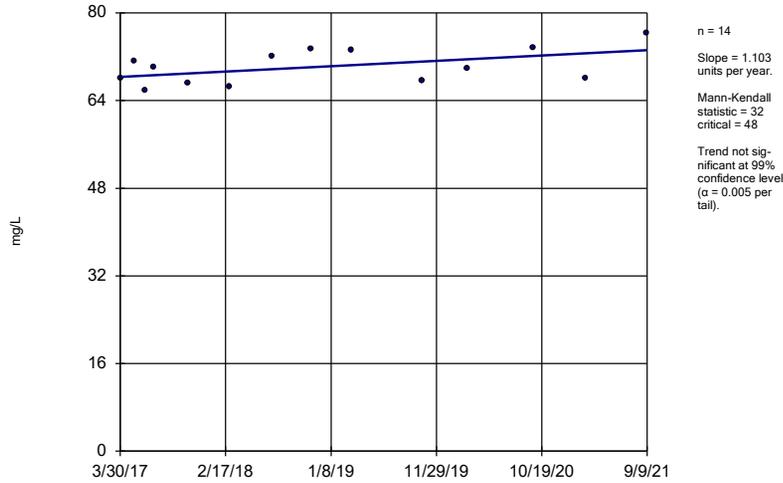
Constituent: Calcium, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-21

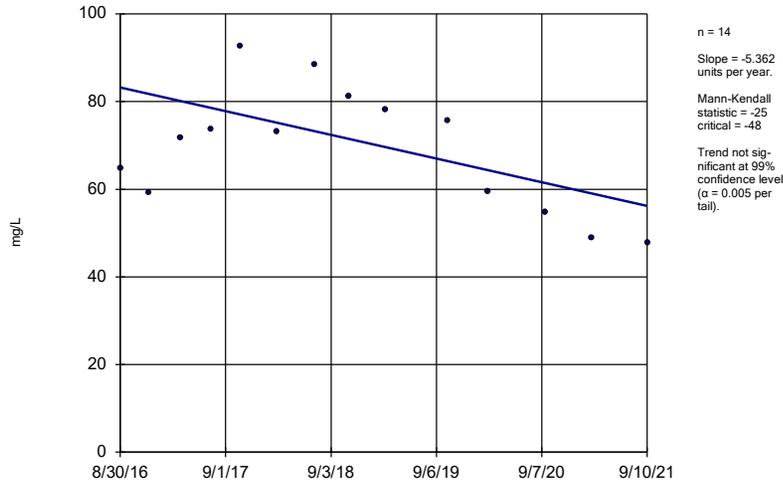


Constituent: Calcium, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests

Sen's Slope Estimator
DGWC-23

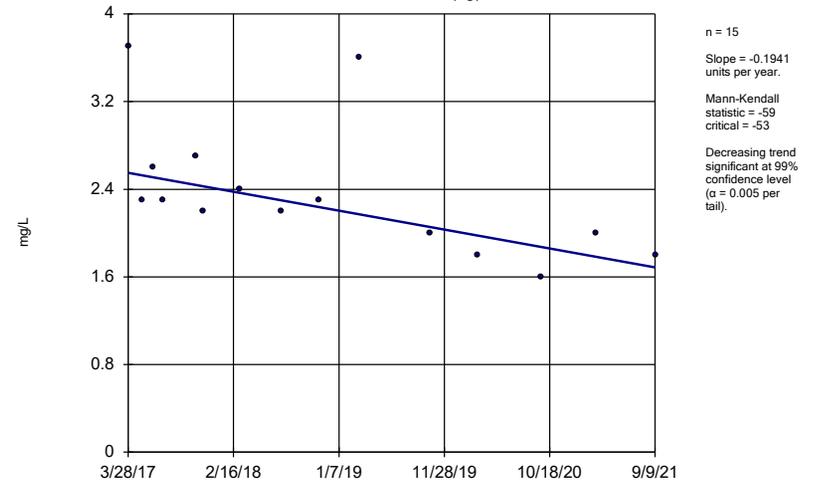


Sen's Slope Estimator
DGWC-9



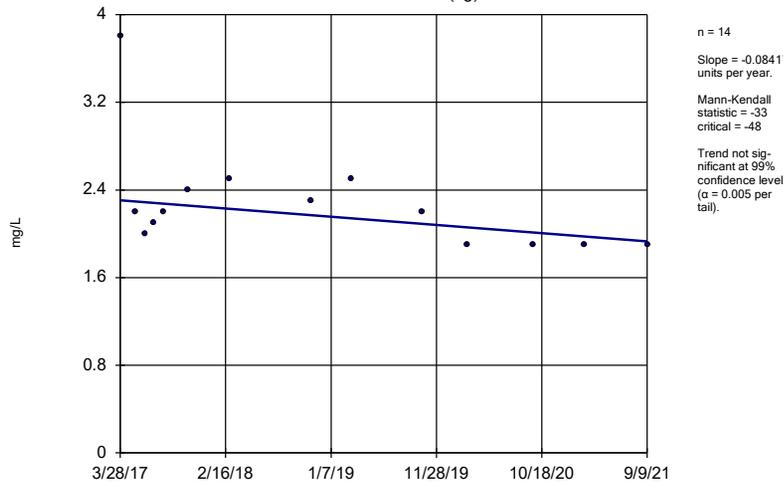
Constituent: Calcium, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWA-53 (bg)



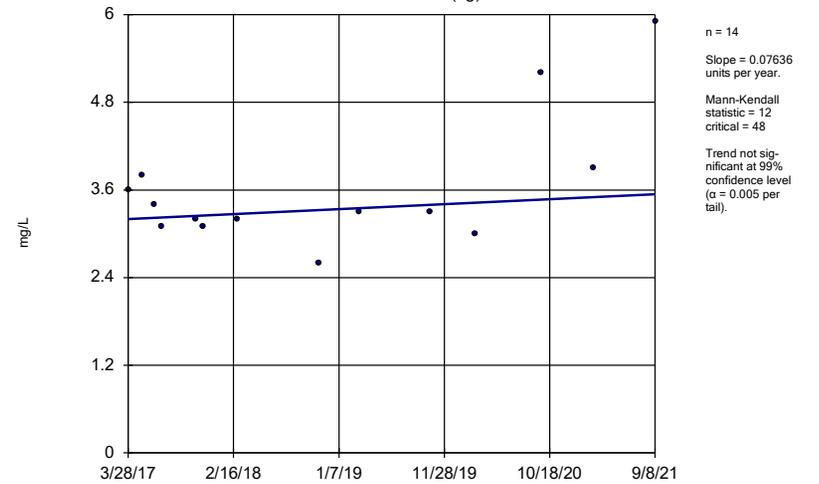
Constituent: Chloride, Total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWA-70A (bg)



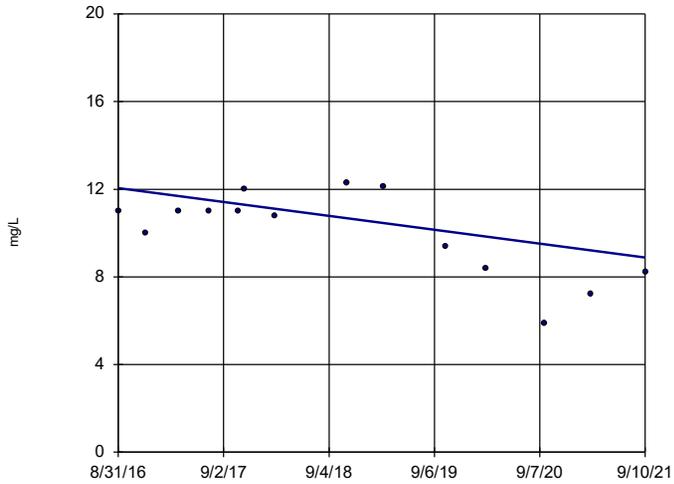
Constituent: Chloride, Total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWA-71 (bg)

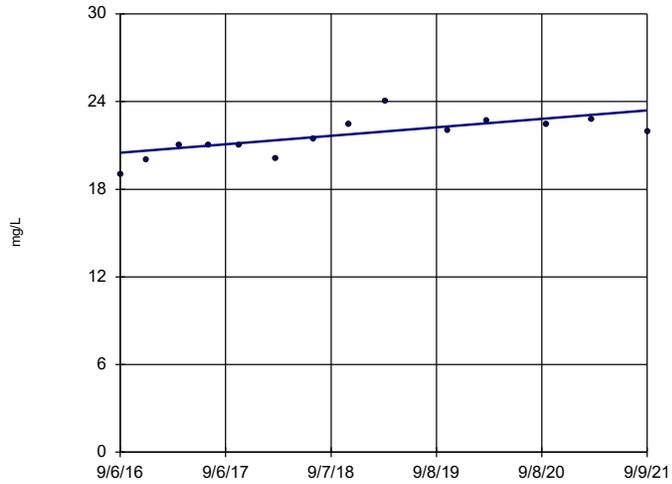


Constituent: Chloride, Total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-10

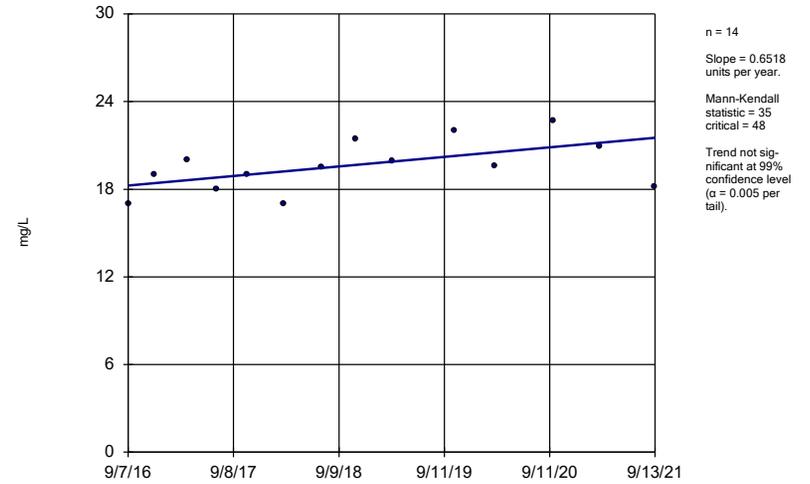


Sen's Slope Estimator
DGWC-15



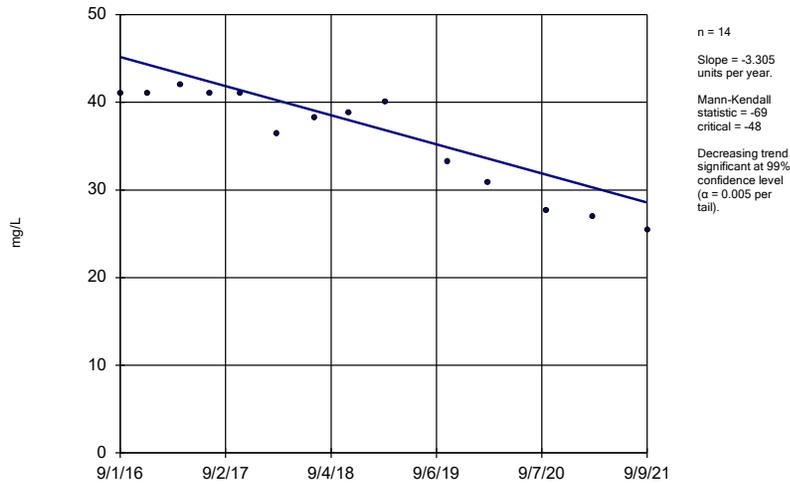
Constituent: Chloride, Total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-17



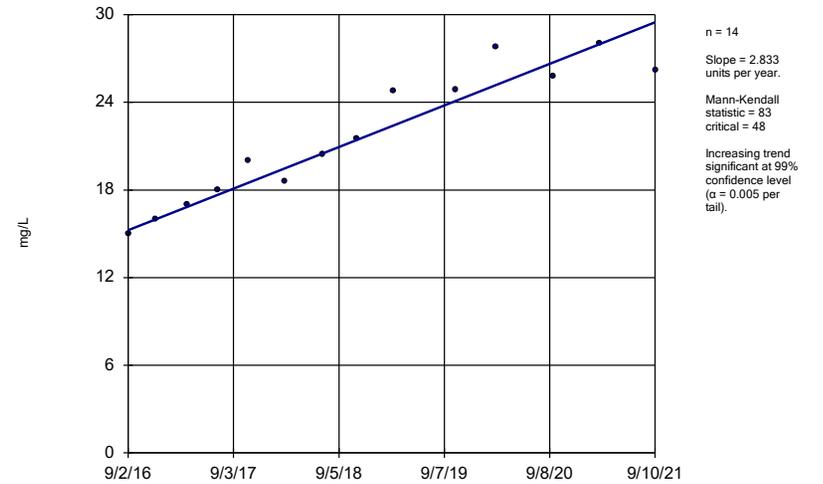
Constituent: Chloride, Total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-19



Constituent: Chloride, Total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

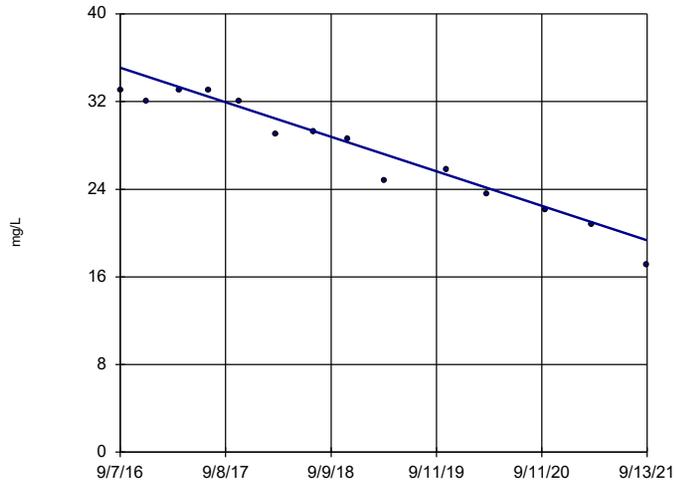
Sen's Slope Estimator
DGWC-20



Constituent: Chloride, Total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

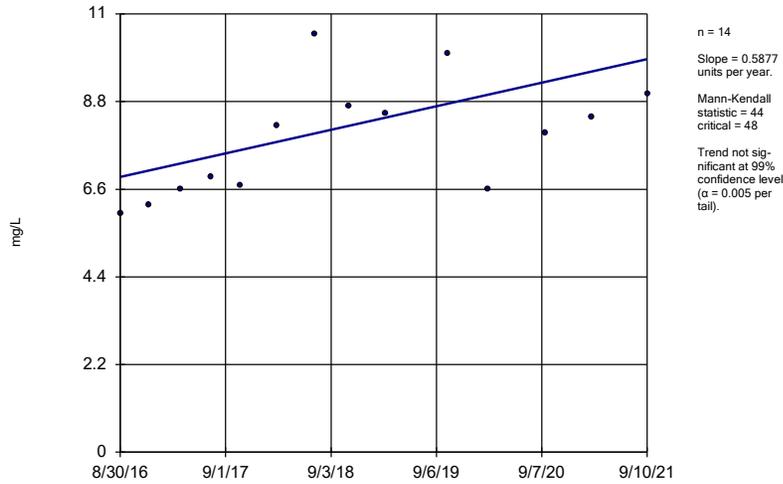
Sen's Slope Estimator

DGWC-42



Sen's Slope Estimator

DGWC-9

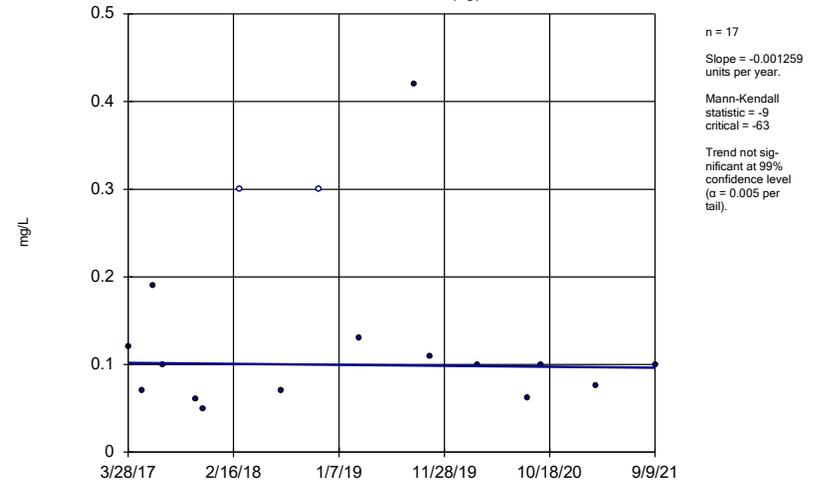


Constituent: Chloride, Total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Hollow symbols indicate censored values.

Sen's Slope Estimator

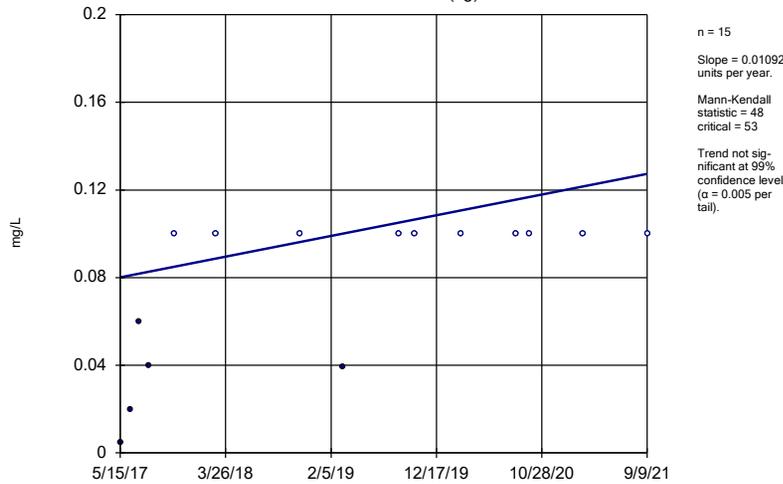
DGWA-53 (bg)



Constituent: Fluoride, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

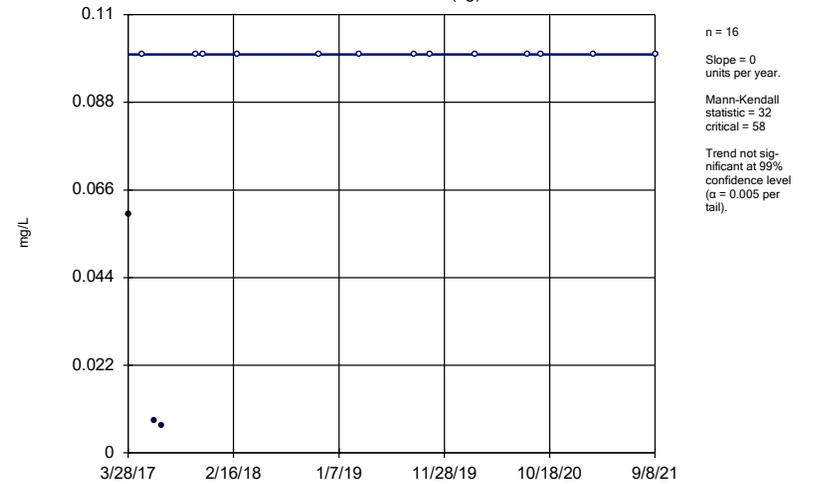
DGWA-70A (bg)



Constituent: Fluoride, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

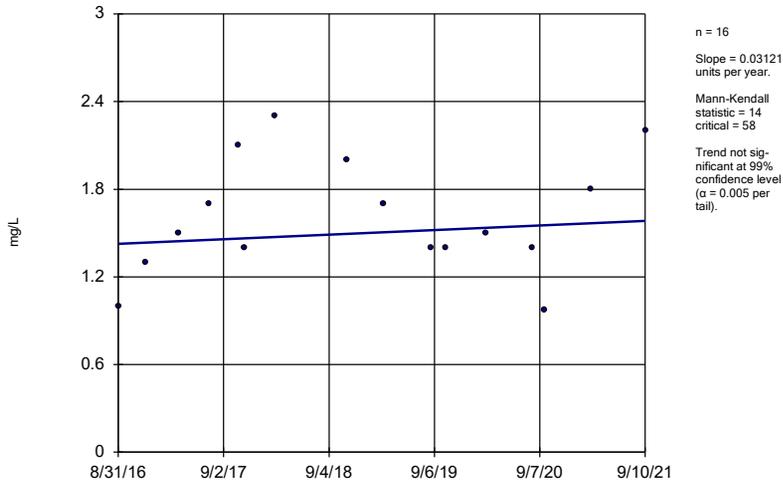
Sen's Slope Estimator

DGWA-71 (bg)



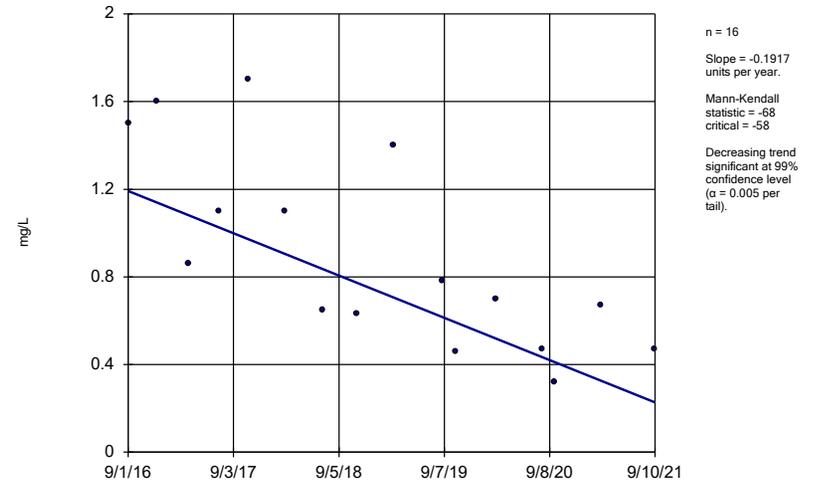
Constituent: Fluoride, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-10



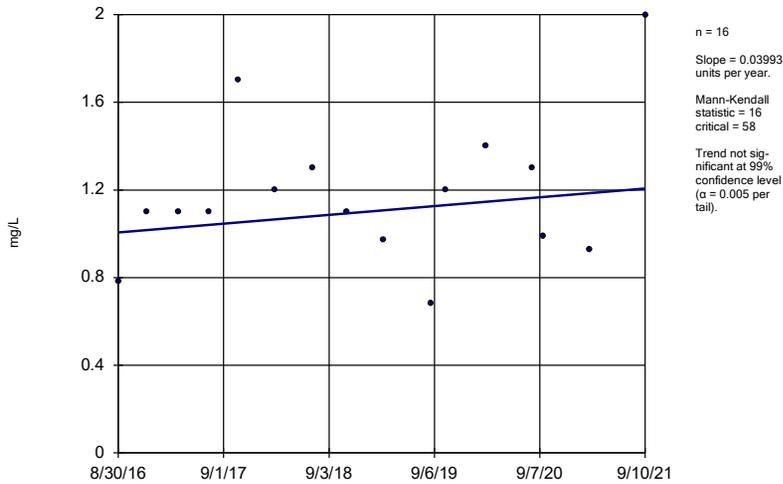
Constituent: Fluoride, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-48



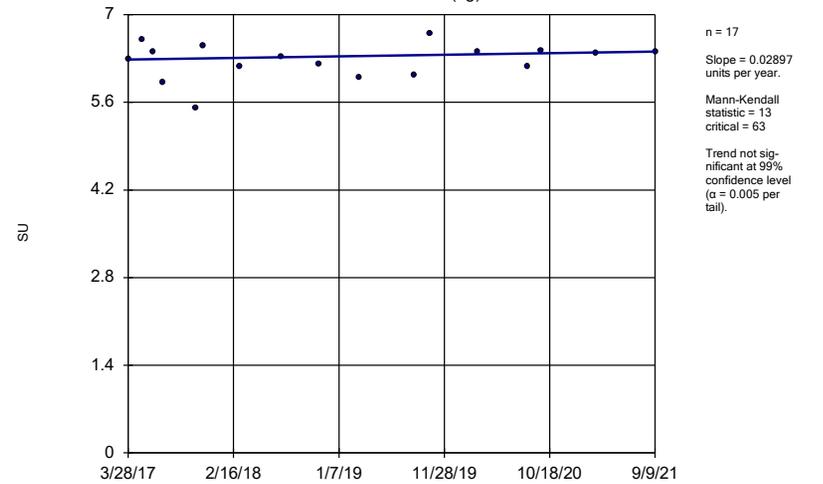
Constituent: Fluoride, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-9



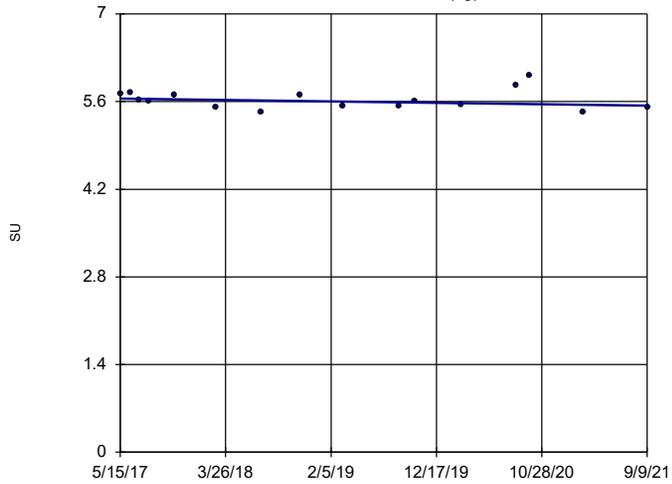
Constituent: Fluoride, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWA-53 (bg)



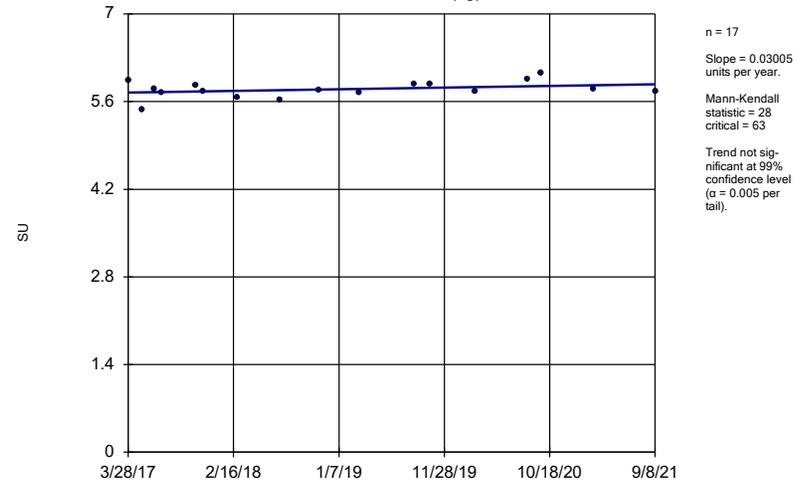
Constituent: pH, Field Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator DGWA-70A (bg)



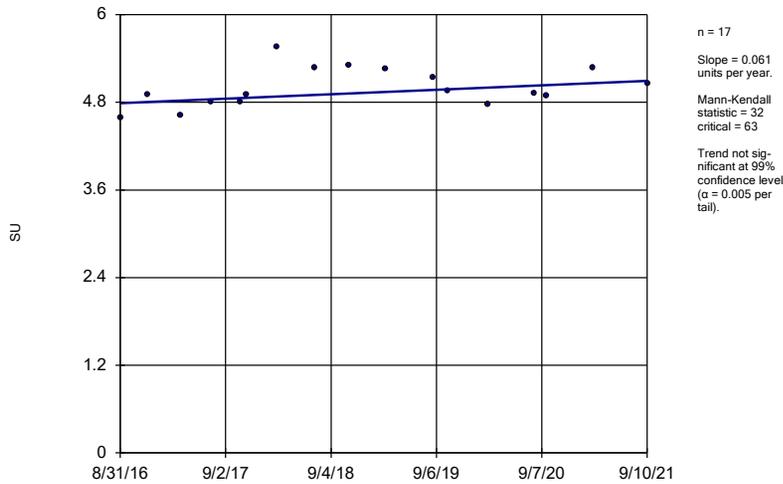
Constituent: pH, Field Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator DGWA-71 (bg)



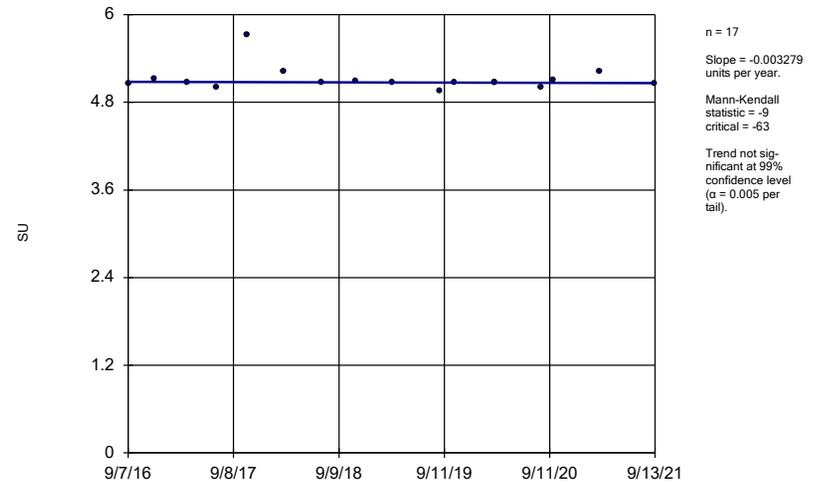
Constituent: pH, Field Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator DGWC-10



Constituent: pH, Field Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

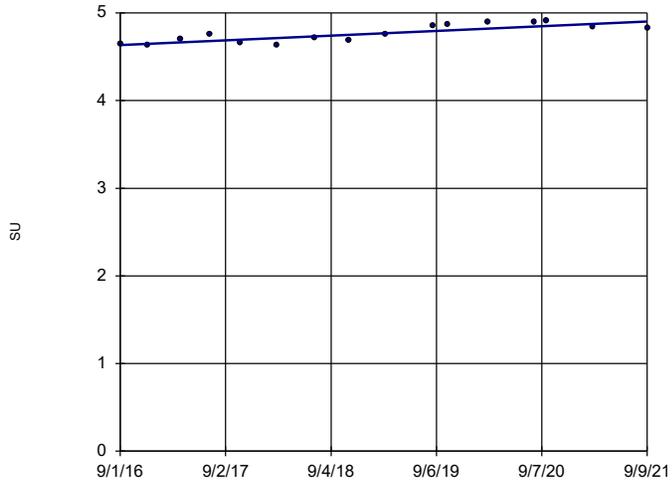
Sen's Slope Estimator DGWC-17



Constituent: pH, Field Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWC-19

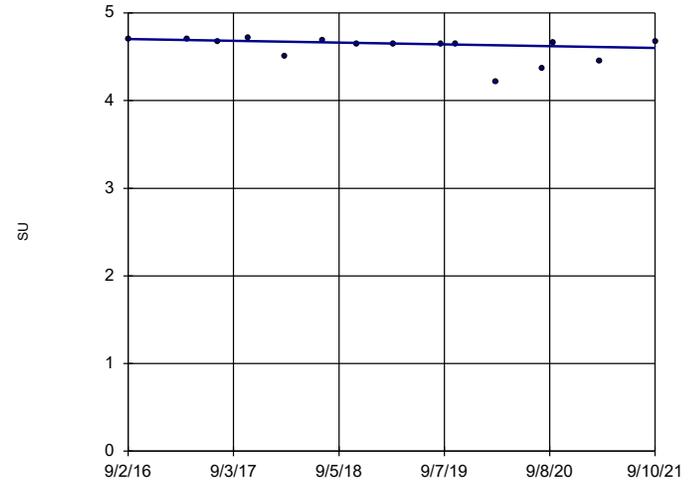


n = 16
 Slope = 0.05374
 units per year.
 Mann-Kendall
 statistic = 74
 critical = 58
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH, Field Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWC-20

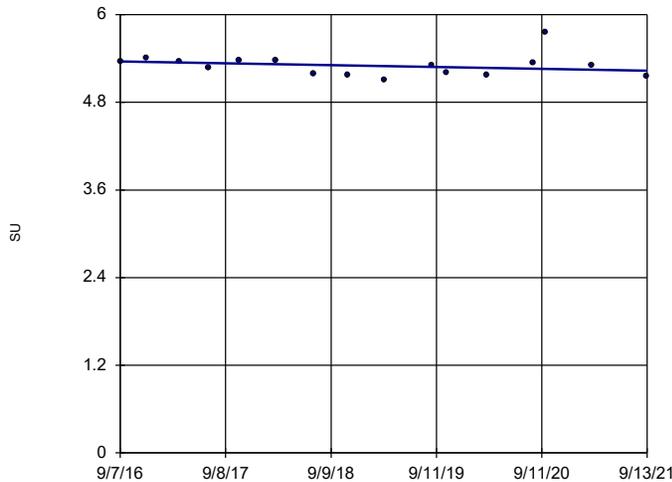


n = 15
 Slope = -0.02007
 units per year.
 Mann-Kendall
 statistic = -42
 critical = -53
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH, Field Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWC-42

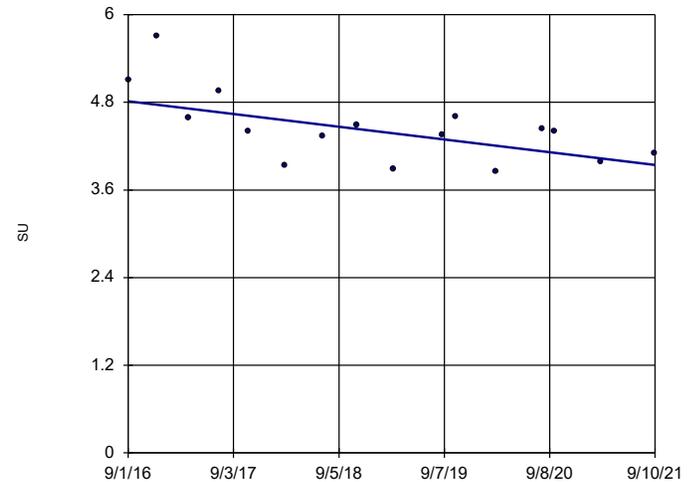


n = 16
 Slope = -0.02543
 units per year.
 Mann-Kendall
 statistic = -32
 critical = -58
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH, Field Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

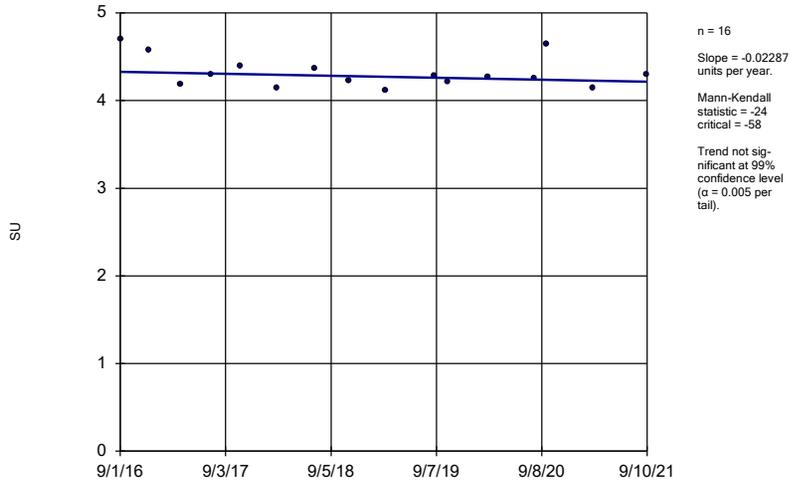
DGWC-47



n = 16
 Slope = -0.1735
 units per year.
 Mann-Kendall
 statistic = -52
 critical = -58
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

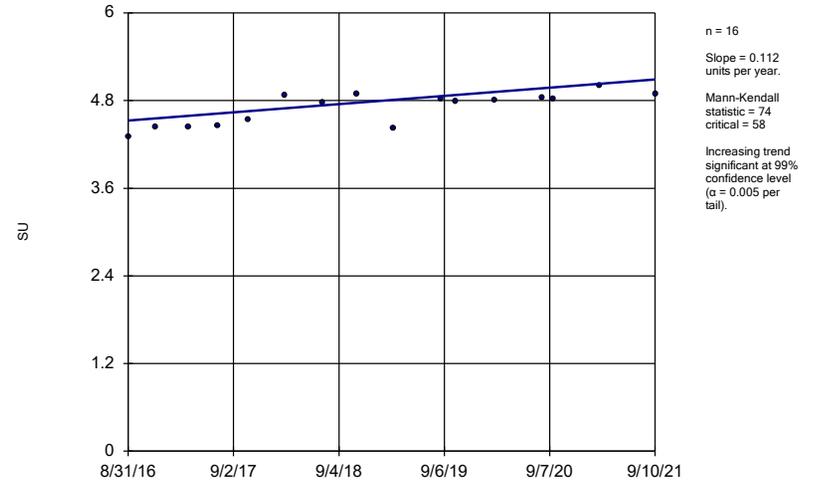
Constituent: pH, Field Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-48



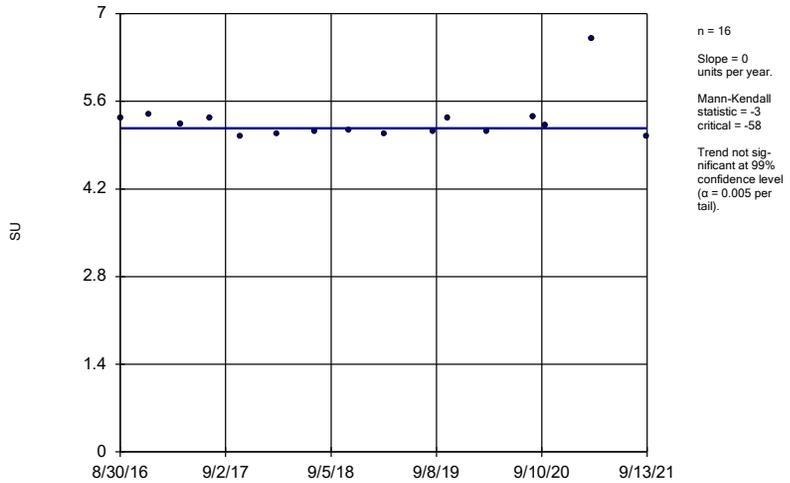
Constituent: pH, Field Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-5



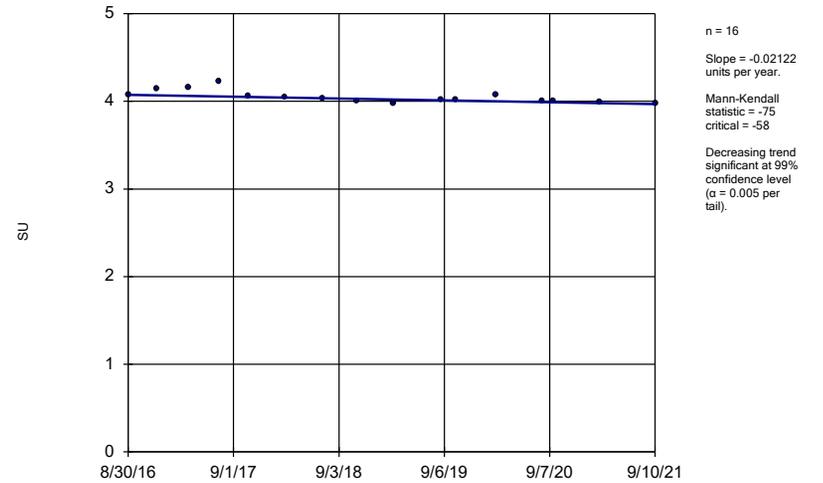
Constituent: pH, Field Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-8



Constituent: pH, Field Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

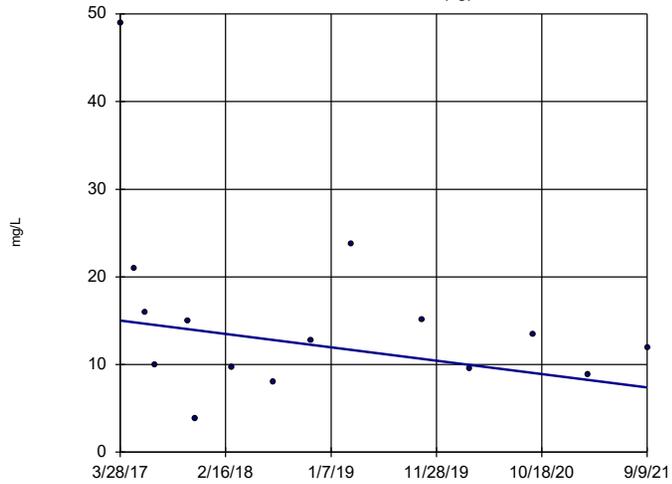
Sen's Slope Estimator
DGWC-9



Constituent: pH, Field Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWA-53 (bg)

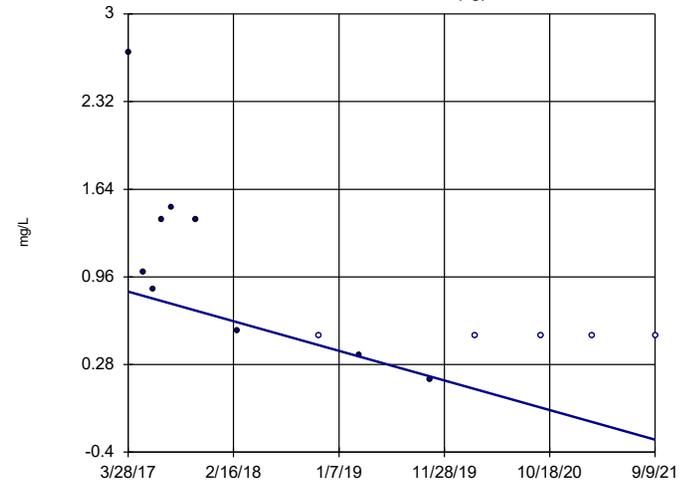


n = 15
 Slope = -1.708
 units per year.
 Mann-Kendall
 statistic = -31
 critical = -53
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Sulfate as SO4 Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWA-70A (bg)

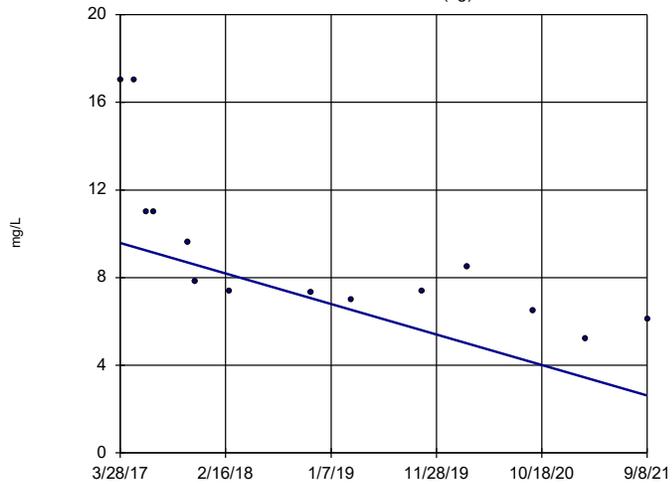


n = 14
 Slope = -0.2582
 units per year.
 Mann-Kendall
 statistic = -50
 critical = -48
 Decreasing trend
 significant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Sulfate as SO4 Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWA-71 (bg)

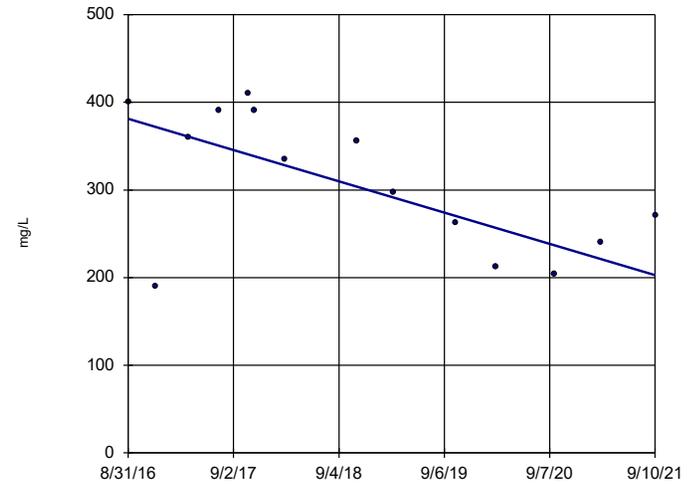


n = 14
 Slope = -1.564
 units per year.
 Mann-Kendall
 statistic = -72
 critical = -48
 Decreasing trend
 significant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Sulfate as SO4 Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

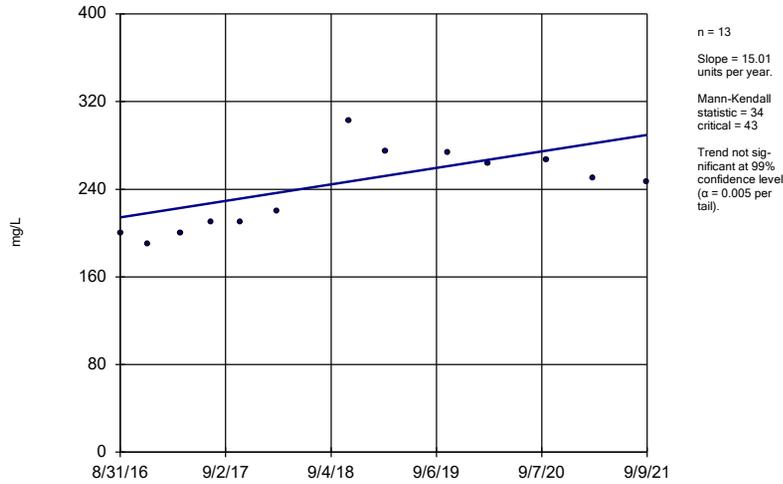
DGWC-10



n = 14
 Slope = -35.48
 units per year.
 Mann-Kendall
 statistic = -42
 critical = -48
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

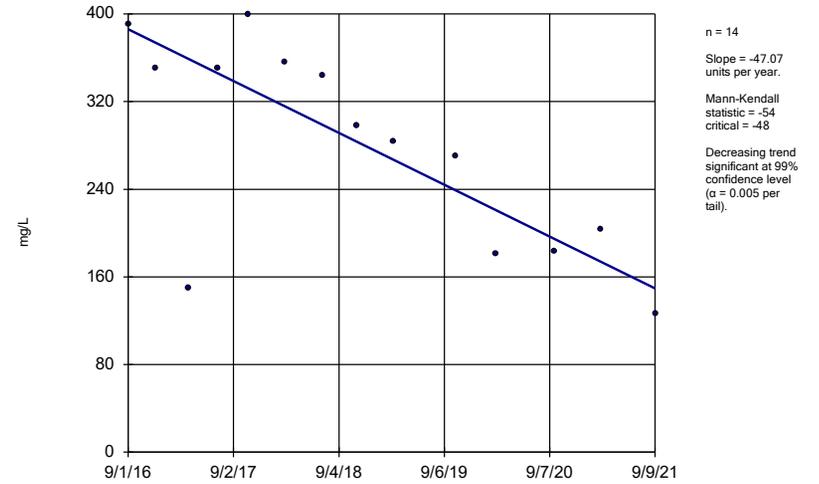
Constituent: Sulfate as SO4 Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-11



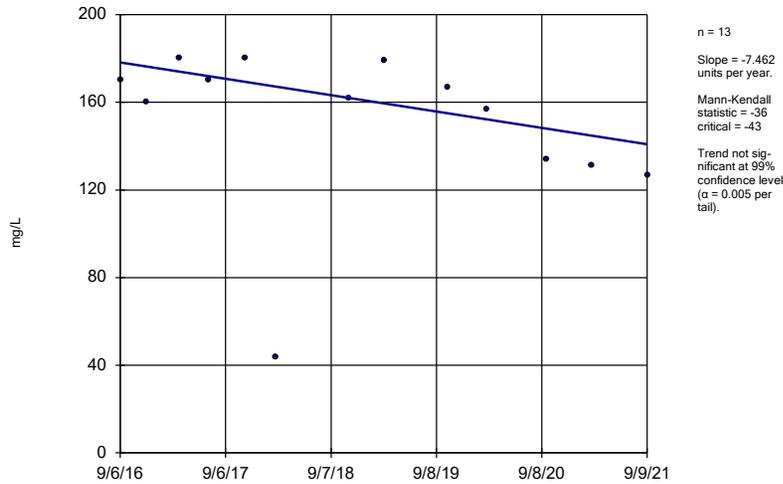
Constituent: Sulfate as SO4 Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-12



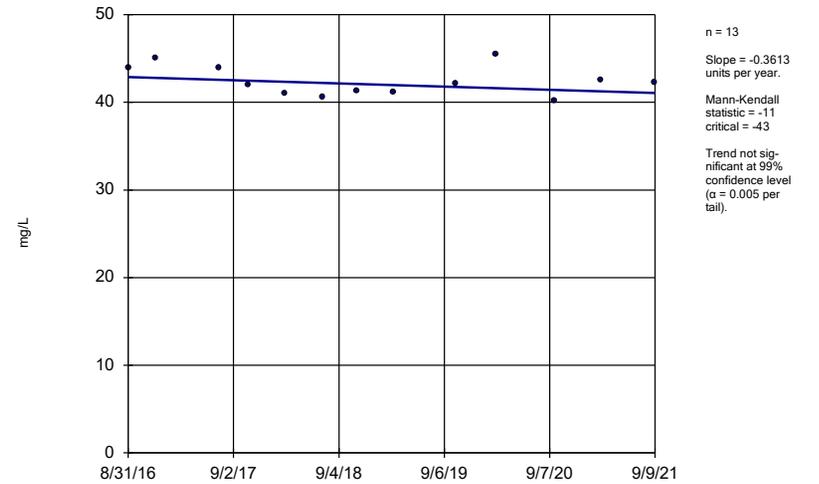
Constituent: Sulfate as SO4 Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-13



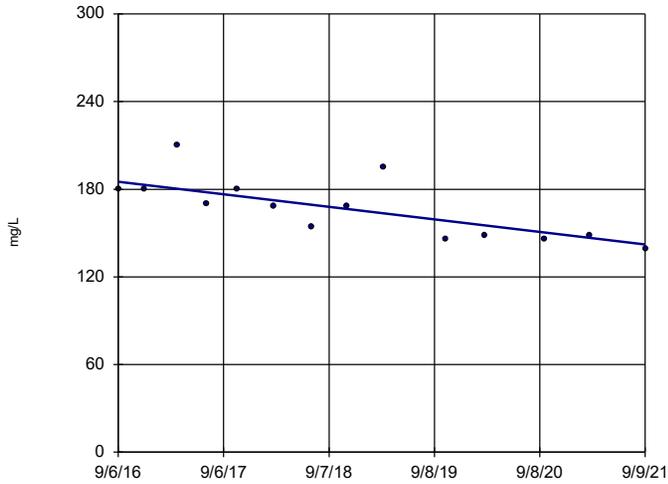
Constituent: Sulfate as SO4 Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-14



Constituent: Sulfate as SO4 Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

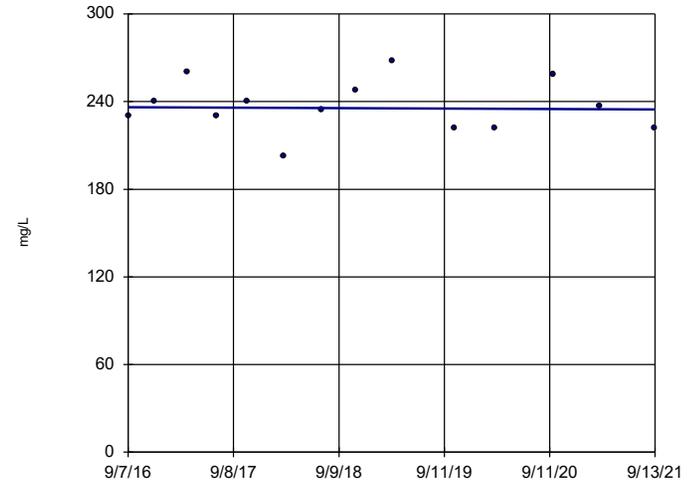
Sen's Slope Estimator
DGWC-15



n = 14
Slope = -8.561
units per year.
Mann-Kendall
statistic = -57
critical = -48
Decreasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Sulfate as SO4 Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

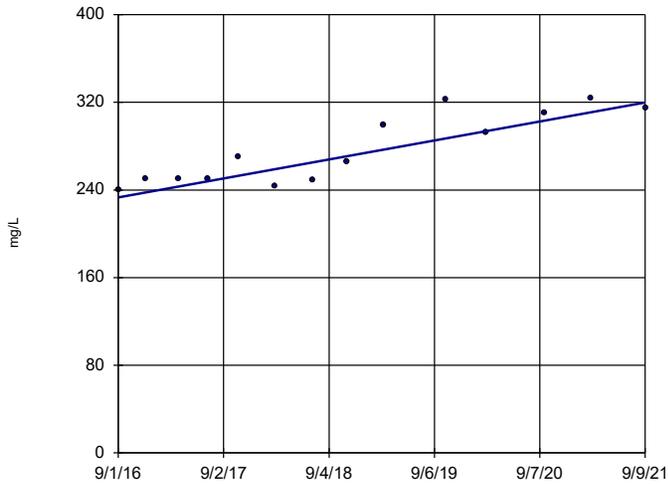
Sen's Slope Estimator
DGWC-17



n = 14
Slope = -0.2865
units per year.
Mann-Kendall
statistic = -6
critical = -48
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Sulfate as SO4 Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

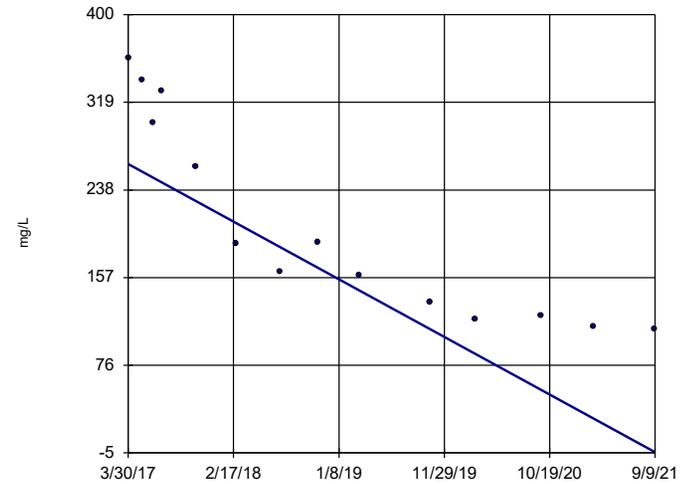
Sen's Slope Estimator
DGWC-19



n = 14
Slope = 17.24
units per year.
Mann-Kendall
statistic = 60
critical = 48
Increasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Sulfate as SO4 Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

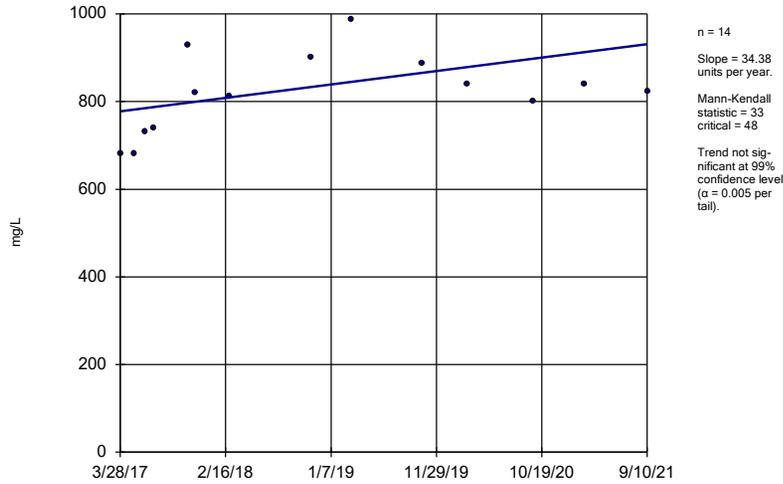
Sen's Slope Estimator
DGWC-2



n = 14
Slope = -59.83
units per year.
Mann-Kendall
statistic = -83
critical = -48
Decreasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

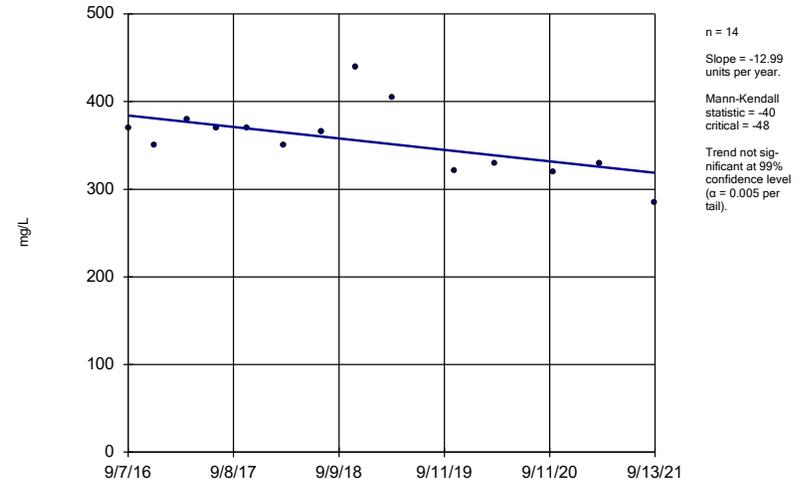
Constituent: Sulfate as SO4 Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-4



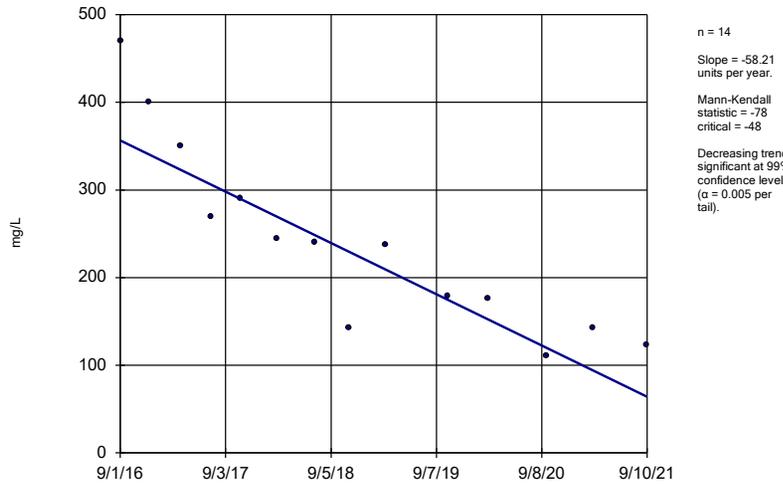
Constituent: Sulfate as SO4 Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-42



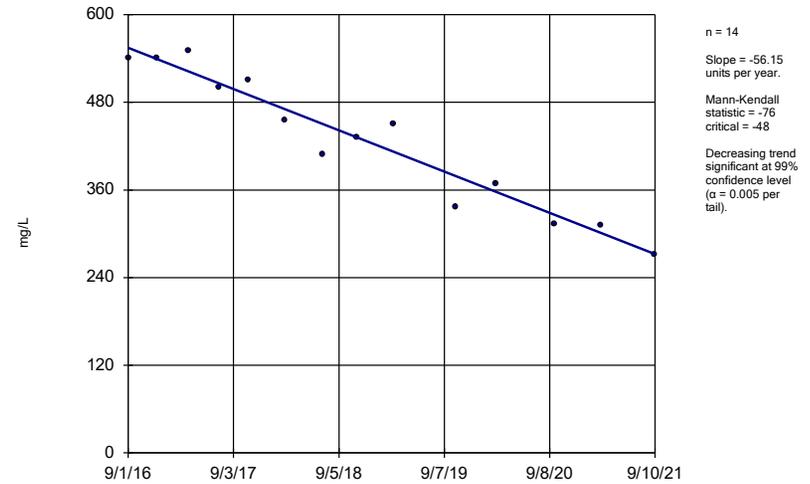
Constituent: Sulfate as SO4 Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-47



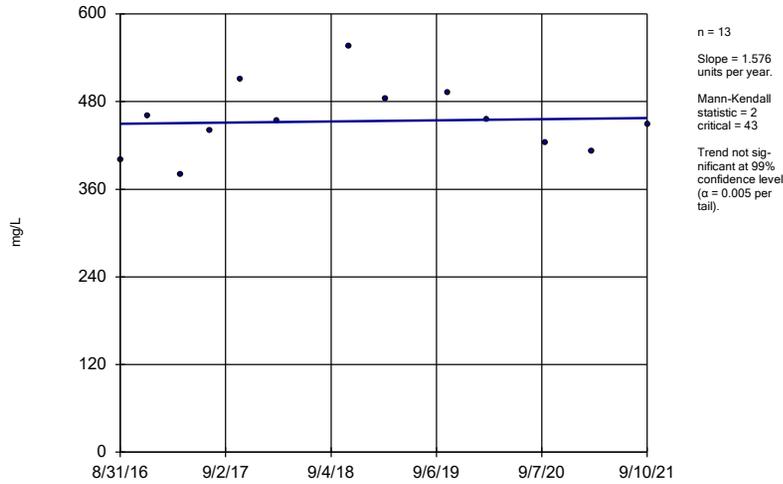
Constituent: Sulfate as SO4 Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-48

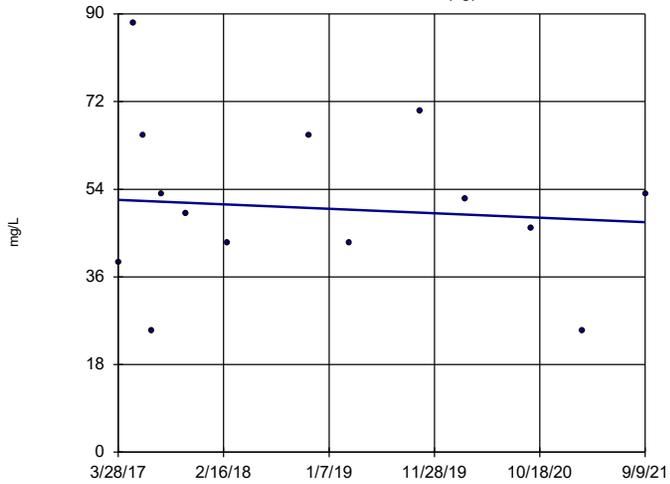


Constituent: Sulfate as SO4 Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-5



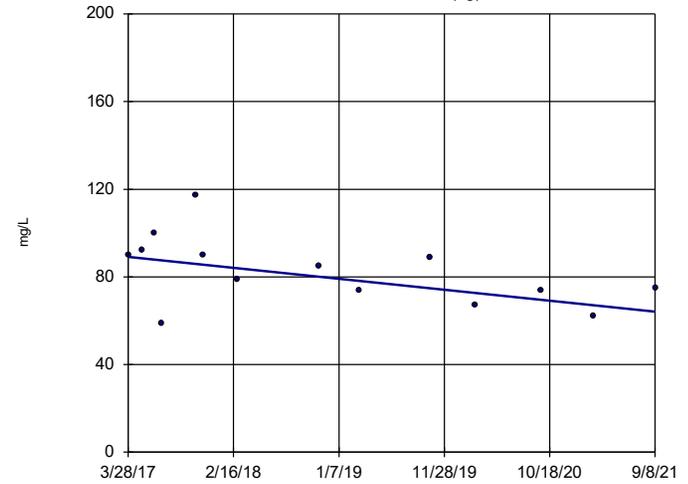
Sen's Slope Estimator
DGWA-70A (bg)



n = 14
Slope = -1.029
units per year.
Mann-Kendall
statistic = -7
critical = -48
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Tre
Plant McDonough Client: Southern Company Data: McDonough AP

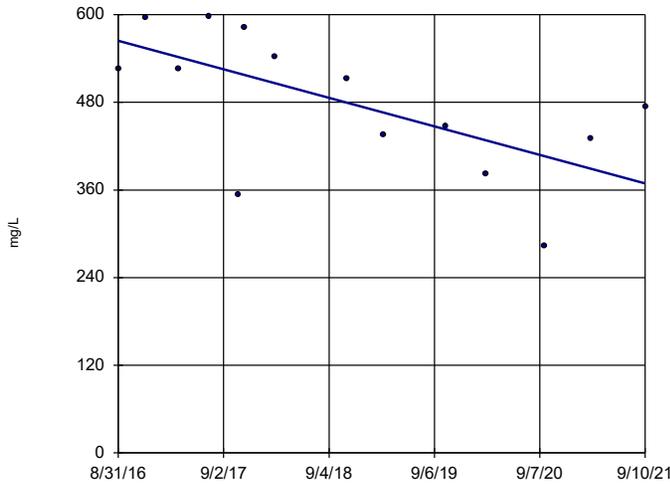
Sen's Slope Estimator
DGWA-71 (bg)



n = 14
Slope = -5.605
units per year.
Mann-Kendall
statistic = -39
critical = -48
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Tre
Plant McDonough Client: Southern Company Data: McDonough AP

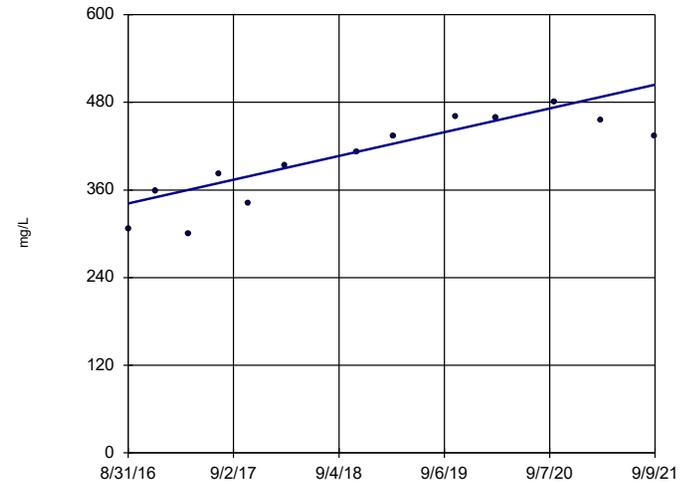
Sen's Slope Estimator
DGWC-10



n = 14
Slope = -38.88
units per year.
Mann-Kendall
statistic = -42
critical = -48
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Tre
Plant McDonough Client: Southern Company Data: McDonough AP

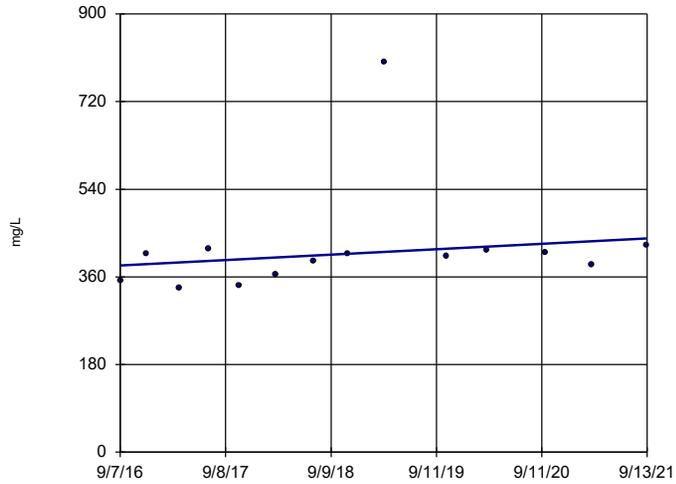
Sen's Slope Estimator
DGWC-11



n = 13
Slope = 32.36
units per year.
Mann-Kendall
statistic = 53
critical = 43
Increasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

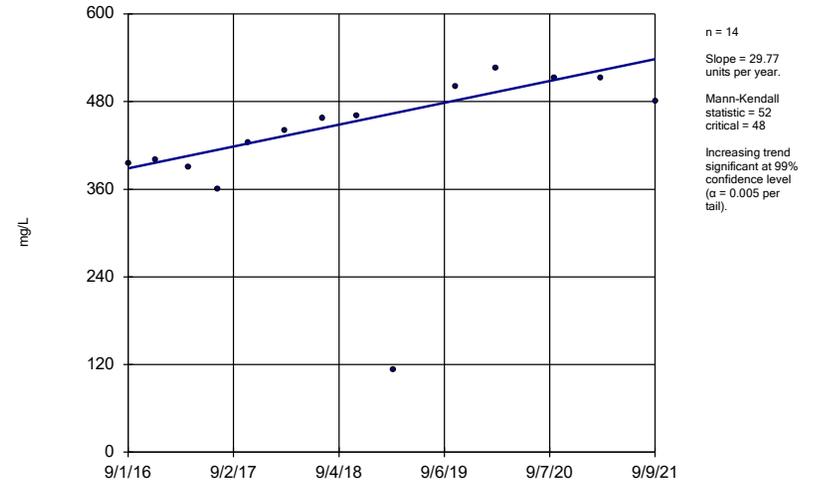
Constituent: Total Dissolved Solids [TDS] Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Tre
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator DGWC-17



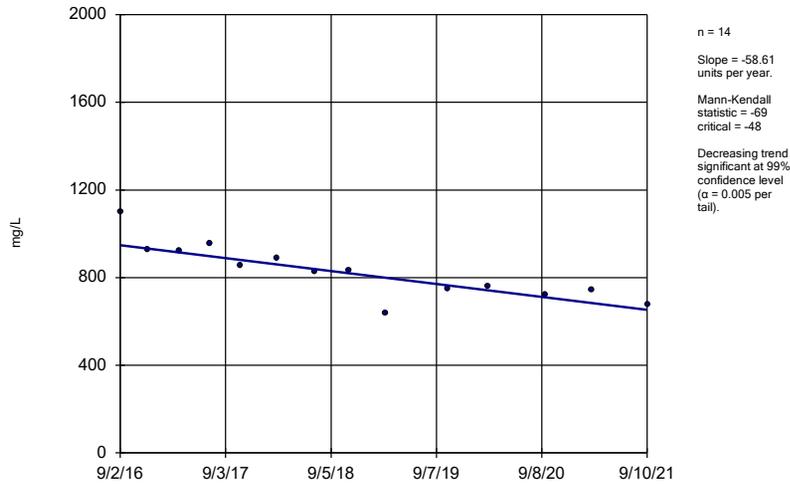
Constituent: Total Dissolved Solids [TDS] Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Tre
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator DGWC-19



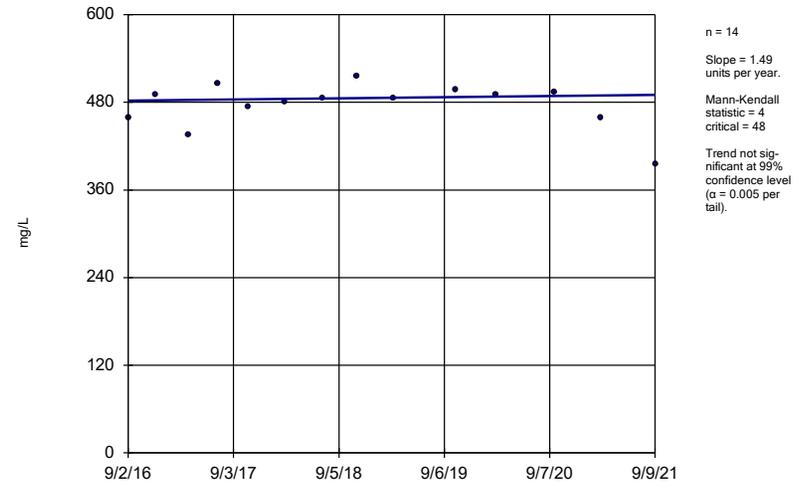
Constituent: Total Dissolved Solids [TDS] Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Tre
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator DGWC-20



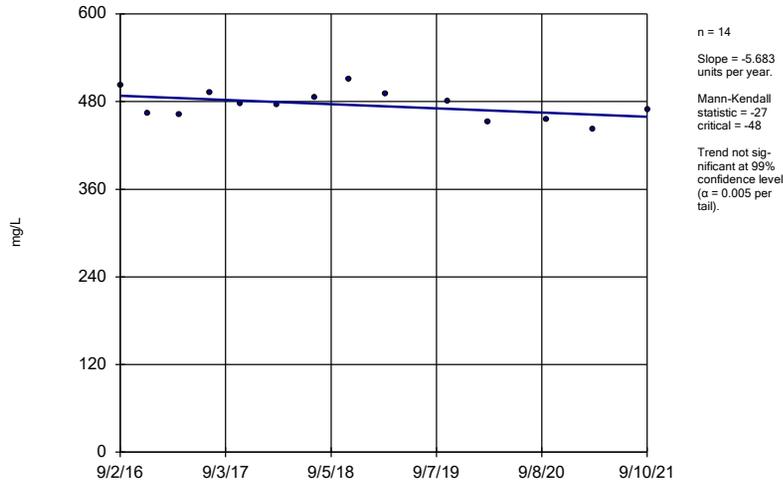
Constituent: Total Dissolved Solids [TDS] Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Tre
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator DGWC-21



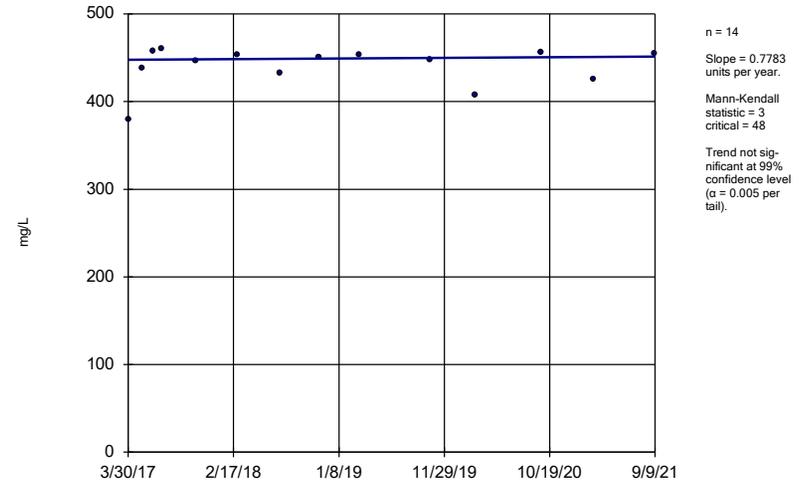
Constituent: Total Dissolved Solids [TDS] Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Tre
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator DGWC-22



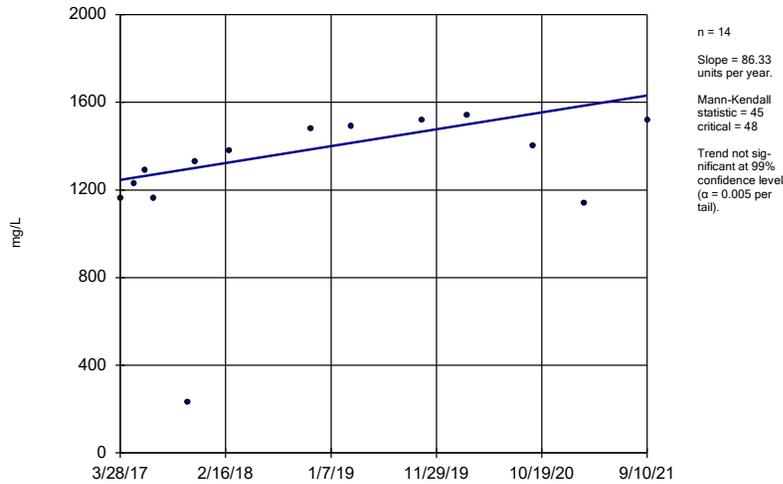
Constituent: Total Dissolved Solids [TDS] Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Tre
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator DGWC-23



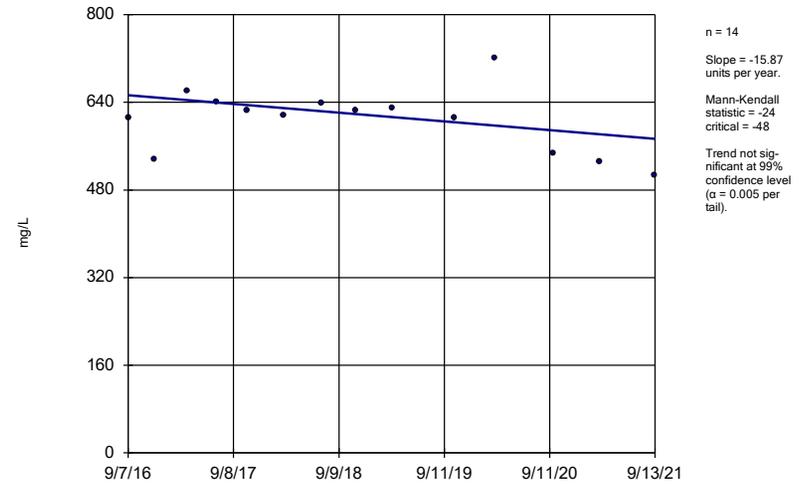
Constituent: Total Dissolved Solids [TDS] Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Tre
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator DGWC-4



Constituent: Total Dissolved Solids [TDS] Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Tre
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator DGWC-42



Constituent: Total Dissolved Solids [TDS] Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Tre
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-48

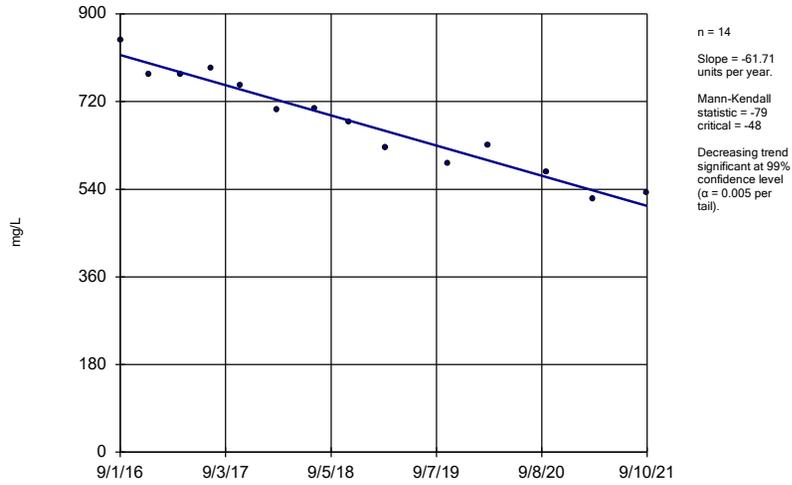


FIGURE F.

Upper Tolerance Limits Summary Table

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 1:23 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.003	n/a	n/a	n/a	44	n/a	n/a	79.55	n/a	n/a	0.1047	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.005	n/a	n/a	n/a	44	n/a	n/a	81.82	n/a	n/a	0.1047	NP Inter(NDs)
Barium (mg/L)	n/a	0.19	n/a	n/a	n/a	44	n/a	n/a	0	n/a	n/a	0.1047	NP Inter(normality)
Beryllium (mg/L)	n/a	0.0009	n/a	n/a	n/a	45	n/a	n/a	62.22	n/a	n/a	0.09944	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.0005	n/a	n/a	n/a	44	n/a	n/a	93.18	n/a	n/a	0.1047	NP Inter(NDs)
Chromium (mg/L)	n/a	0.005	n/a	n/a	n/a	43	n/a	n/a	60.47	n/a	n/a	0.1102	NP Inter(NDs)
Cobalt (mg/L)	n/a	0.0322	n/a	n/a	n/a	44	n/a	n/a	36.36	n/a	n/a	0.1047	NP Inter(normality)
Combined Radium 226 + 228 (pCi/L)	n/a	5.605	n/a	n/a	n/a	46	1.041	0.3523	0	None	x ^(1/3)	0.05	Inter
Fluoride, total (mg/L)	n/a	0.42	n/a	n/a	n/a	48	n/a	n/a	52.08	n/a	n/a	0.08526	NP Inter(NDs)
Lead (mg/L)	n/a	0.001	n/a	n/a	n/a	44	n/a	n/a	79.55	n/a	n/a	0.1047	NP Inter(NDs)
Lithium (mg/L)	n/a	0.03	n/a	n/a	n/a	44	n/a	n/a	36.36	n/a	n/a	0.1047	NP Inter(normality)
Mercury (mg/L)	n/a	0.0002	n/a	n/a	n/a	44	n/a	n/a	86.36	n/a	n/a	0.1047	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.0409	n/a	n/a	n/a	44	n/a	n/a	63.64	n/a	n/a	0.1047	NP Inter(NDs)
Selenium (mg/L)	n/a	0.005	n/a	n/a	n/a	44	n/a	n/a	100	n/a	n/a	0.1047	NP Inter(NDs)
Thallium (mg/L)	n/a	0.001	n/a	n/a	n/a	44	n/a	n/a	95.45	n/a	n/a	0.1047	NP Inter(NDs)

FIGURE G.

PLANT MCDONOUGH ASH POND 1 GWPS TABLE - FEDERAL				
Constituent Name	MCL	CCR-Rule Specified	Background Limit	GWPS
Antimony, Total (mg/L)	0.006		0.003	0.006
Arsenic, Total (mg/L)	0.01		0.005	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		5.61	5.61
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.

PLANT MCDONOUGH ASH POND 1 GWPS TABLE - STATE				
Constituent Name	MCL	CCR-Rule Specified	Background Limit	GWPS
Antimony, Total (mg/L)	0.006		0.003	0.006
Arsenic, Total (mg/L)	0.01		0.005	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		5.61	5.61
Fluoride, Total (mg/L)	4		0.42	4
Lead, Total (mg/L)		0.015	0.001	0.001
Lithium, Total (mg/L)		0.04	0.03	0.03
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)		0.1	0.041	0.041
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 I.

Federal Confidence Intervals - Significant Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	DGWC-9	0.03003	0.0172	0.01	Yes	15	0.02361	0.009468	6.667	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-10	0.009208	0.005678	0.004	Yes	14	0.007443	0.002492	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-47	0.01281	0.009018	0.004	Yes	15	0.01091	0.002797	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-48	0.009234	0.007526	0.004	Yes	15	0.00838	0.00126	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-5	0.008688	0.006197	0.004	Yes	14	0.007443	0.001758	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-9	0.005896	0.004931	0.004	Yes	15	0.005413	0.000712	0	None	No	0.01	Param.
Beryllium (mg/L)	B-93	0.01805	0.006467	0.004	Yes	5	0.01378	0.003942	0	None	x^3	0.01	Param.
Cobalt (mg/L)	DGWC-10	0.1888	0.1413	0.032	Yes	14	0.1537	0.04866	0	None	x^4	0.01	Param.
Cobalt (mg/L)	DGWC-19	0.05331	0.04925	0.032	Yes	15	0.05128	0.002996	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-20	0.6394	0.4659	0.032	Yes	15	0.5575	0.1355	0	None	x^(1/3)	0.01	Param.
Cobalt (mg/L)	DGWC-47	0.3858	0.253	0.032	Yes	15	0.3194	0.09792	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-48	0.5073	0.402	0.032	Yes	15	0.4547	0.07771	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-8	0.0878	0.04412	0.032	Yes	14	0.06596	0.03083	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-9	0.201	0.1437	0.032	Yes	15	0.1724	0.04231	0	None	No	0.01	Param.
Cobalt (mg/L)	B-56	0.05421	0.03629	0.032	Yes	4	0.04525	0.003948	0	None	No	0.01	Param.
Cobalt (mg/L)	B-63	0.0547	0.0353	0.032	Yes	5	0.045	0.005788	0	None	No	0.01	Param.
Cobalt (mg/L)	B-93	0.069	0.0594	0.032	Yes	5	0.0642	0.002864	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-104D	21.26	6.892	5.61	Yes	4	14.08	3.164	0	None	No	0.01	Param.
Lithium (mg/L)	DGWC-47	0.07457	0.05787	0.04	Yes	15	0.06622	0.01232	0	None	No	0.01	Param.
Lithium (mg/L)	DGWC-48	0.1269	0.106	0.04	Yes	15	0.1165	0.01544	0	None	No	0.01	Param.
Selenium (mg/L)	DGWC-9	0.1308	0.05207	0.05	Yes	15	0.09144	0.0581	0	None	No	0.01	Param.

Federal Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	B-100	0.001954	0.001046	0.006	No	4	0.00225	0.0008813	50	Kaplan-Meier	No	0.01	Param.
Antimony (mg/L)	B-102D	0.003	0.0016	0.006	No	4	0.00265	0.0007	75	Kaplan-Meier	No	0.0625	NP (NDs)
Antimony (mg/L)	B-104D	0.001068	0.0003847	0.006	No	4	0.00126	0.001169	25	Kaplan-Meier	x^(1/3)	0.01	Param.
Antimony (mg/L)	B-111D	0.003	0.0006	0.006	No	4	0.0024	0.0012	75	Kaplan-Meier	No	0.0625	NP (NDs)
Antimony (mg/L)	B-62	0.003	0.00046	0.006	No	7	0.002637	0.00096	85.71	Kaplan-Meier	No	0.008	NP (NDs)
Antimony (mg/L)	B-63	0.003	0.00066	0.006	No	4	0.002415	0.00117	75	None	No	0.0625	NP (NDs)
Antimony (mg/L)	B-77	0.003	0.00036	0.006	No	6	0.001737	0.001387	50	None	No	0.0155	NP (normality)
Antimony (mg/L)	B-93	0.003	0.0014	0.006	No	4	0.0026	0.0008	75	None	No	0.0625	NP (NDs)
Antimony (mg/L)	DGWC-12	0.003	0.0003	0.006	No	16	0.002831	0.000675	93.75	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-14	0.003	0.0011	0.006	No	15	0.002873	0.0004906	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-15	0.003	0.00073	0.006	No	15	0.002671	0.0008724	86.67	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-17	0.003	0.00045	0.006	No	15	0.00283	0.0006584	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-19	0.003	0.00036	0.006	No	15	0.002824	0.0006816	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-2	0.003	0.0006	0.006	No	15	0.00284	0.0006197	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-21	0.003	0.0013	0.006	No	15	0.002887	0.0004389	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-23	0.003	0.0007	0.006	No	15	0.002847	0.0005939	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-4	0.003	0.0008	0.006	No	14	0.002491	0.001014	78.57	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-47	0.003	0.0012	0.006	No	15	0.00288	0.0004648	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-48	0.003	0.0018	0.006	No	15	0.002746	0.0007213	86.67	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-5	0.003	0.0015	0.006	No	14	0.002701	0.0007935	85.71	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-8	0.003	0.00046	0.006	No	14	0.002819	0.0006788	92.86	None	No	0.01	NP (NDs)
Arsenic (mg/L)	B-104D	0.002881	0.001519	0.01	No	4	0.0036	0.001635	50	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	B-111D	0.003281	0.001919	0.01	No	4	0.0038	0.001407	50	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	B-56	0.0047	0.003	0.01	No	4	0.0035	0.0008042	0	None	No	0.0625	NP (normality)
Arsenic (mg/L)	B-77	0.002882	0.001869	0.01	No	6	0.003233	0.001409	33.33	Kaplan-Meier	ln(x)	0.01	Param.
Arsenic (mg/L)	B-93	0.003589	0.0004108	0.01	No	4	0.0035	0.001824	50	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	DGWC-10	0.00717	0.003601	0.01	No	14	0.005386	0.002519	7.143	None	No	0.01	Param.
Arsenic (mg/L)	DGWC-12	0.005	0.00063	0.01	No	16	0.004452	0.001498	87.5	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-14	0.005	0.00039	0.01	No	15	0.004693	0.00119	93.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-15	0.005	0.0013	0.01	No	15	0.004169	0.001726	80	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-17	0.005	0.0008	0.01	No	15	0.003395	0.002042	60	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-19	0.002035	0.0009847	0.01	No	15	0.002317	0.001551	20	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	DGWC-2	0.005	0.0025	0.01	No	15	0.004566	0.00118	86.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-20	0.01666	0.007499	0.01	No	15	0.01208	0.006761	0	None	No	0.01	Param.
Arsenic (mg/L)	DGWC-22	0.005	0.001	0.01	No	15	0.004733	0.001033	93.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-4	0.005	0.0008	0.01	No	14	0.004057	0.001875	78.57	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-42	0.005	0.0011	0.01	No	15	0.004453	0.001445	86.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-47	0.002647	0.001328	0.01	No	15	0.002627	0.001504	20	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	DGWC-48	0.005	0.0008	0.01	No	15	0.003206	0.002005	53.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-5	0.0118	0.002817	0.01	No	14	0.008443	0.009971	14.29	None	x^(1/3)	0.01	Param.
Arsenic (mg/L)	DGWC-8	0.005	0.0012	0.01	No	14	0.00369	0.001839	64.29	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-9	0.03003	0.0172	0.01	Yes	15	0.02361	0.009468	6.667	None	No	0.01	Param.
Barium (mg/L)	B-100	0.022	0.015	2	No	4	0.02	0.003367	0	None	No	0.0625	NP (selected)
Barium (mg/L)	B-102D	0.02571	0.01829	2	No	4	0.022	0.001633	0	None	No	0.01	Param.
Barium (mg/L)	B-104D	0.026	0.021	2	No	4	0.0225	0.00238	0	None	No	0.0625	NP (normality)
Barium (mg/L)	B-111D	0.05204	0.01546	2	No	4	0.03375	0.008057	0	None	No	0.01	Param.
Barium (mg/L)	B-56	0.03185	0.02315	2	No	4	0.0275	0.001915	0	None	No	0.01	Param.
Barium (mg/L)	B-62	0.02758	0.01985	2	No	7	0.02371	0.003251	0	None	No	0.01	Param.
Barium (mg/L)	B-63	0.03208	0.01592	2	No	4	0.024	0.003559	0	None	No	0.01	Param.
Barium (mg/L)	B-66	0.01942	0.01508	2	No	4	0.01725	0.0009574	0	None	No	0.01	Param.
Barium (mg/L)	B-77	0.1255	0.08983	2	No	6	0.1077	0.01299	0	None	No	0.01	Param.

Federal Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	B-82	0.03301	0.01899	2	No	5	0.026	0.004183	0	None	No	0.01	Param.
Barium (mg/L)	B-83	0.05537	0.02029	2	No	5	0.0358	0.01158	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	B-88	0.02418	-0.01405	2	No	4	0.02025	0.002872	0	None	x^5	0.01	Param.
Barium (mg/L)	B-93	0.01892	0.01458	2	No	4	0.01675	0.0009574	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-10	0.02962	0.02305	2	No	14	0.02634	0.004637	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-11	0.06644	0.05633	2	No	14	0.06139	0.007138	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-12	0.03199	0.02415	2	No	16	0.02824	0.006231	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	DGWC-13	0.03292	0.02732	2	No	14	0.02908	0.007369	7.143	None	x^3	0.01	Param.
Barium (mg/L)	DGWC-14	0.06261	0.05787	2	No	15	0.06024	0.003493	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-15	0.05073	0.0443	2	No	15	0.04751	0.004744	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-17	0.05635	0.04167	2	No	15	0.04901	0.01083	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-19	0.02541	0.02177	2	No	15	0.02359	0.002686	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-2	0.02268	0.02132	2	No	15	0.022	0.001	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-20	0.01537	0.009179	2	No	15	0.01227	0.004566	6.667	None	No	0.01	Param.
Barium (mg/L)	DGWC-21	0.0272	0.024	2	No	15	0.02596	0.001505	0	None	No	0.01	NP (normality)
Barium (mg/L)	DGWC-22	0.03773	0.03193	2	No	15	0.03483	0.004281	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-23	0.0236	0.01844	2	No	15	0.02113	0.004092	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	DGWC-4	0.03617	0.0322	2	No	14	0.03419	0.002802	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-42	0.0205	0.01622	2	No	15	0.01836	0.003153	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-47	0.01975	0.01597	2	No	15	0.01786	0.002794	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-48	0.01436	0.01298	2	No	15	0.01367	0.001016	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-5	0.01834	0.01649	2	No	13	0.01742	0.001247	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-8	0.03806	0.02666	2	No	14	0.03236	0.008048	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-9	0.01623	0.01484	2	No	15	0.01553	0.00103	0	None	No	0.01	Param.
Beryllium (mg/L)	B-100	0.0006113	0.0002587	0.004	No	4	0.000435	0.00007767	0	None	No	0.01	Param.
Beryllium (mg/L)	B-102D	0.001543	0.0009569	0.004	No	4	0.00125	0.0001291	0	None	No	0.01	Param.
Beryllium (mg/L)	B-104D	0.001785	0.0009153	0.004	No	4	0.00135	0.0001915	0	None	No	0.01	Param.
Beryllium (mg/L)	B-56	0.001385	0.001015	0.004	No	4	0.0012	0.00008165	0	None	No	0.01	Param.
Beryllium (mg/L)	B-62	0.0005	0.000078	0.004	No	8	0.0002085	0.000181	25	None	No	0.004	NP (normality)
Beryllium (mg/L)	B-63	0.0004803	0.0003037	0.004	No	6	0.00041	0.00007797	16.67	Kaplan-Meier	No	0.01	Param.
Beryllium (mg/L)	B-77	0.0001464	0.00004658	0.004	No	6	0.0002267	0.0002142	33.33	Kaplan-Meier	ln(x)	0.01	Param.
Beryllium (mg/L)	B-82	0.001807	0.001073	0.004	No	5	0.00144	0.0002191	0	None	No	0.01	Param.
Beryllium (mg/L)	B-83	0.0006999	0.0001718	0.004	No	5	0.000404	0.000173	0	None	sqrt(x)	0.01	Param.
Beryllium (mg/L)	B-88	0.005	0.00063	0.004	No	4	0.002008	0.00202	0	None	No	0.0625	NP (selected)
Beryllium (mg/L)	B-93	0.01805	0.006467	0.004	Yes	5	0.01378	0.003942	0	None	x^3	0.01	Param.
Beryllium (mg/L)	B-97	0.0019	0.0015	0.004	No	4	0.001725	0.0002062	25	None	No	0.0625	NP (selected)
Beryllium (mg/L)	B-98	0.00087	0.0005	0.004	No	4	0.0005925	0.000185	75	None	No	0.0625	NP (NDs)
Beryllium (mg/L)	DGWC-10	0.009208	0.005678	0.004	Yes	14	0.007443	0.002492	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-11	0.003	0.00013	0.004	No	14	0.0004964	0.0007432	50	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-12	0.00049	0.00011	0.004	No	16	0.0003943	0.0007051	12.5	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-13	0.003	0.00007	0.004	No	14	0.0005256	0.000742	64.29	None	No	0.01	NP (NDs)
Beryllium (mg/L)	DGWC-15	0.003	0.00022	0.004	No	15	0.0006185	0.0006715	86.67	None	No	0.01	NP (NDs)
Beryllium (mg/L)	DGWC-17	0.0006188	0.0005265	0.004	No	15	0.0005727	0.00006808	13.33	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-19	0.0021	0.0017	0.004	No	15	0.001907	0.0004978	13.33	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-20	0.004866	0.002215	0.004	No	15	0.003673	0.002056	13.33	None	sqrt(x)	0.01	Param.
Beryllium (mg/L)	DGWC-21	0.0005	0.0001	0.004	No	15	0.000374	0.0007325	13.33	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-22	0.0005	0.00014	0.004	No	15	0.000376	0.0007316	13.33	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-23	0.0005	0.00038	0.004	No	15	0.000618	0.0006665	13.33	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-4	0.00028	0.00019	0.004	No	14	0.0004279	0.0007463	14.29	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-42	0.002738	0.002049	0.004	No	15	0.002333	0.0006576	6.667	None	x^2	0.01	Param.
Beryllium (mg/L)	DGWC-47	0.01281	0.009018	0.004	Yes	15	0.01091	0.002797	0	None	No	0.01	Param.

Federal Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Beryllium (mg/L)	DGWC-48	0.009234	0.007526	0.004	Yes	15	0.00838	0.00126	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-5	0.008688	0.006197	0.004	Yes	14	0.007443	0.001758	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-8	0.003201	0.001685	0.004	No	14	0.002443	0.00107	7.143	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-9	0.005896	0.004931	0.004	Yes	15	0.005413	0.000712	0	None	No	0.01	Param.
Cadmium (mg/L)	B-100	0.00059	0.00027	0.005	No	4	0.000355	0.000157	0	None	No	0.0625	NP (normality)
Cadmium (mg/L)	B-102D	0.0009243	0.0006021	0.005	No	4	0.0007775	0.00007274	0	None	x^2	0.01	Param.
Cadmium (mg/L)	B-56	0.0003178	0.0002172	0.005	No	4	0.0002675	0.00002217	0	None	No	0.01	Param.
Cadmium (mg/L)	B-63	0.0003199	0.00007013	0.005	No	4	0.0003475	0.0001817	50	Kaplan-Meier	No	0.01	Param.
Cadmium (mg/L)	B-82	0.0007939	0.0002981	0.005	No	5	0.000546	0.0001479	0	None	No	0.01	Param.
Cadmium (mg/L)	B-83	0.0004307	0.0002333	0.005	No	5	0.000332	0.00005891	0	None	No	0.01	Param.
Cadmium (mg/L)	B-88	0.008758	-0.003848	0.005	No	4	0.002455	0.002776	0	None	No	0.01	Param.
Cadmium (mg/L)	B-93	0.0009316	0.0006384	0.005	No	4	0.000785	0.00006455	0	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-10	0.001207	0.0008102	0.005	No	14	0.001009	0.0002801	0	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-11	0.0005	0.00016	0.005	No	14	0.0004221	0.0001549	78.57	None	No	0.01	NP (NDs)
Cadmium (mg/L)	DGWC-12	0.0003426	0.0002257	0.005	No	16	0.0003944	0.0001917	25	Kaplan-Meier	sqrt(x)	0.01	Param.
Cadmium (mg/L)	DGWC-13	0.0005	0.0002	0.005	No	14	0.0004486	0.0001328	85.71	Kaplan-Meier	No	0.01	NP (NDs)
Cadmium (mg/L)	DGWC-15	0.001	0.00012	0.005	No	15	0.0004287	0.0002377	73.33	Kaplan-Meier	No	0.01	NP (NDs)
Cadmium (mg/L)	DGWC-17	0.00033	0.00023	0.005	No	15	0.0002987	0.00009062	13.33	None	No	0.01	NP (normality)
Cadmium (mg/L)	DGWC-19	0.0005	0.00034	0.005	No	15	0.0004207	0.0001665	13.33	None	No	0.01	NP (normality)
Cadmium (mg/L)	DGWC-2	0.0002846	0.0001314	0.005	No	15	0.0003667	0.0002335	33.33	Kaplan-Meier	sqrt(x)	0.01	Param.
Cadmium (mg/L)	DGWC-20	0.002238	0.001722	0.005	No	15	0.00198	0.0003802	0	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-21	0.0007418	0.0004675	0.005	No	15	0.0006047	0.0002024	13.33	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-22	0.0007017	0.0004543	0.005	No	15	0.000578	0.0001826	13.33	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-23	0.0003	0.00019	0.005	No	15	0.0002967	0.0002115	13.33	None	No	0.01	NP (normality)
Cadmium (mg/L)	DGWC-4	0.0008282	0.0006103	0.005	No	14	0.0007193	0.0001538	14.29	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-42	0.001109	0.0004679	0.005	No	15	0.0008233	0.0005572	13.33	None	sqrt(x)	0.01	Param.
Cadmium (mg/L)	DGWC-47	0.002181	0.001246	0.005	No	15	0.001713	0.0006896	0	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-48	0.0042	0.0025	0.005	No	15	0.003527	0.001682	0	None	No	0.01	NP (normality)
Cadmium (mg/L)	DGWC-5	0.0008175	0.0004382	0.005	No	14	0.0006279	0.0002677	14.29	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-8	0.002516	0.00197	0.005	No	14	0.002243	0.0003857	0	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-9	0.0006732	0.0005032	0.005	No	15	0.0005927	0.0001373	13.33	None	x^(1/3)	0.01	Param.
Chromium (mg/L)	B-100	0.001223	0.0003828	0.1	No	4	0.002877	0.002456	50	Kaplan-Meier	sqrt(x)	0.01	Param.
Chromium (mg/L)	B-104D	0.005	0.0011	0.1	No	4	0.004025	0.00195	75	Kaplan-Meier	No	0.0625	NP (NDs)
Chromium (mg/L)	B-56	0.001914	0.00007551	0.1	No	4	0.002997	0.002336	50	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	B-62	0.005	0.00098	0.1	No	7	0.004426	0.001519	85.71	Kaplan-Meier	No	0.008	NP (NDs)
Chromium (mg/L)	B-63	0.005	0.00064	0.1	No	4	0.00391	0.00218	75	Kaplan-Meier	No	0.0625	NP (NDs)
Chromium (mg/L)	B-77	0.001858	0.0005328	0.1	No	6	0.00241	0.002072	33.33	Kaplan-Meier	ln(x)	0.01	Param.
Chromium (mg/L)	B-82	0.005	0.0011	0.1	No	5	0.00422	0.001744	80	Kaplan-Meier	No	0.031	NP (NDs)
Chromium (mg/L)	B-83	0.0051	0.0017	0.1	No	5	0.00394	0.001524	0	None	No	0.031	NP (selected)
Chromium (mg/L)	B-88	0.002116	0.0005176	0.1	No	4	0.002237	0.001875	25	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	B-93	0.005	0.00057	0.1	No	4	0.002807	0.002532	50	None	No	0.0625	NP (normality)
Chromium (mg/L)	DGWC-10	0.005	0.00078	0.1	No	14	0.002321	0.002074	35.71	None	No	0.01	NP (normality)
Chromium (mg/L)	DGWC-11	0.005	0.0006	0.1	No	14	0.003742	0.002064	71.43	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-12	0.005	0.00099	0.1	No	16	0.004496	0.001378	87.5	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-13	0.005	0.00074	0.1	No	14	0.003778	0.002006	71.43	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-15	0.01	0.00058	0.1	No	15	0.004423	0.002397	73.33	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-17	0.0035	0.0024	0.1	No	15	0.003047	0.0008651	13.33	None	No	0.01	NP (normality)
Chromium (mg/L)	DGWC-19	0.005	0.0023	0.1	No	15	0.00342	0.002022	20	None	No	0.01	NP (normality)
Chromium (mg/L)	DGWC-2	0.005	0.0005	0.1	No	15	0.003211	0.002268	60	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-20	0.002136	0.001443	0.1	No	15	0.003467	0.002385	40	Kaplan-Meier	ln(x)	0.01	Param.
Chromium (mg/L)	DGWC-21	0.005	0.0005	0.1	No	15	0.00333	0.002148	60	Kaplan-Meier	No	0.01	NP (NDs)

Federal Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	DGWC-22	0.005	0.0012	0.1	No	15	0.004747	0.0009812	93.33	Kaplan-Meier	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-23	0.005	0.0005	0.1	No	15	0.002187	0.002075	33.33	None	No	0.01	NP (normality)
Chromium (mg/L)	DGWC-4	0.005	0.0005	0.1	No	14	0.004679	0.001203	92.86	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-42	0.005	0.0005	0.1	No	15	0.003082	0.002157	53.33	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-47	0.005	0.0007	0.1	No	15	0.004713	0.00111	93.33	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-48	0.005	0.0007	0.1	No	15	0.004407	0.001567	86.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-5	0.005	0.00045	0.1	No	14	0.004675	0.001216	92.86	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-8	0.005	0.00086	0.1	No	14	0.003391	0.002002	57.14	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-9	0.0057	0.00059	0.1	No	15	0.003593	0.002173	60	None	No	0.01	NP (NDs)
Cobalt (mg/L)	B-100	0.087	0.029	0.032	No	6	0.058	0.02804	0	None	No	0.0155	NP (selected)
Cobalt (mg/L)	B-102D	0.01585	0.01215	0.032	No	4	0.014	0.0008165	0	None	No	0.01	Param.
Cobalt (mg/L)	B-104D	0.2361	-0.01451	0.032	No	4	0.1625	0.04272	0	None	x^2	0.01	Param.
Cobalt (mg/L)	B-111D	0.0009228	0.0004439	0.032	No	4	0.00112	0.0009256	25	Kaplan-Meier	x^(1/3)	0.01	Param.
Cobalt (mg/L)	B-56	0.05421	0.03629	0.032	Yes	4	0.04525	0.003948	0	None	No	0.01	Param.
Cobalt (mg/L)	B-62	0.0025	0.0003	0.032	No	7	0.001873	0.001071	71.43	None	No	0.008	NP (NDs)
Cobalt (mg/L)	B-63	0.0547	0.0353	0.032	Yes	5	0.045	0.005788	0	None	No	0.01	Param.
Cobalt (mg/L)	B-66	0.01241	0.003754	0.032	No	5	0.00758	0.003665	20	Kaplan-Meier	No	0.01	Param.
Cobalt (mg/L)	B-77	0.0031	0.0004	0.032	No	6	0.001817	0.0009725	16.67	None	No	0.0155	NP (selected)
Cobalt (mg/L)	B-82	0.007804	0.0003291	0.032	No	6	0.004067	0.002721	0	None	No	0.01	Param.
Cobalt (mg/L)	B-83	0.021	0.0073	0.032	No	5	0.01344	0.005791	0	None	No	0.031	NP (selected)
Cobalt (mg/L)	B-88	0.022	0.0015	0.032	No	5	0.00928	0.009906	0	None	No	0.031	NP (selected)
Cobalt (mg/L)	B-93	0.069	0.0594	0.032	Yes	5	0.0642	0.002864	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-10	0.1888	0.1413	0.032	Yes	14	0.1537	0.04866	0	None	x^4	0.01	Param.
Cobalt (mg/L)	DGWC-11	0.0025	0.0006	0.032	No	14	0.001481	0.0009221	42.86	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-12	0.013	0.0021	0.032	No	16	0.008125	0.009711	12.5	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-13	0.0025	0.0005	0.032	No	14	0.002056	0.0008832	78.57	None	No	0.01	NP (NDs)
Cobalt (mg/L)	DGWC-15	0.0028	0.0016	0.032	No	15	0.003653	0.005947	6.667	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-17	0.02716	0.02022	0.032	No	15	0.02313	0.00641	6.667	None	x^2	0.01	Param.
Cobalt (mg/L)	DGWC-19	0.05331	0.04925	0.032	Yes	15	0.05128	0.002996	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-2	0.0284	0.0062	0.032	No	15	0.01761	0.01155	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-20	0.6394	0.4659	0.032	Yes	15	0.5575	0.1355	0	None	x^(1/3)	0.01	Param.
Cobalt (mg/L)	DGWC-21	0.009773	0.008552	0.032	No	15	0.00862	0.002141	13.33	None	x^6	0.01	Param.
Cobalt (mg/L)	DGWC-22	0.009945	0.007492	0.032	No	15	0.008533	0.002244	13.33	None	x^2	0.01	Param.
Cobalt (mg/L)	DGWC-23	0.005	0.00039	0.032	No	15	0.00183	0.001357	60	None	No	0.01	NP (NDs)
Cobalt (mg/L)	DGWC-4	0.0021	0.0015	0.032	No	14	0.002021	0.000904	14.29	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-42	0.04451	0.01723	0.032	No	15	0.03087	0.02013	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-47	0.3858	0.253	0.032	Yes	15	0.3194	0.09792	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-48	0.5073	0.402	0.032	Yes	15	0.4547	0.07771	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-5	0.04	0.02	0.032	No	14	0.02794	0.01109	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-8	0.0878	0.04412	0.032	Yes	14	0.06596	0.03083	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-9	0.201	0.1437	0.032	Yes	15	0.1724	0.04231	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-100	1.4	0.168	5.61	No	4	0.7853	0.5031	0	None	No	0.0625	NP (selected)
Combined Radium 226 + 228 (pCi/L)	B-102D	1.74	0.635	5.61	No	4	1.096	0.4956	0	None	No	0.0625	NP (selected)
Combined Radium 226 + 228 (pCi/L)	B-104D	21.26	6.892	5.61	Yes	4	14.08	3.164	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-111D	16.31	1.377	5.61	No	4	8.843	3.288	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-56	1.617	0.5846	5.61	No	4	1.101	0.2275	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-62	2.02	1.173	5.61	No	6	1.597	0.3082	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-77	2.17	0.617	5.61	No	5	1.516	0.7658	0	None	No	0.031	NP (selected)
Combined Radium 226 + 228 (pCi/L)	B-82	1.18	0.3541	5.61	No	4	0.7673	0.182	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-83	1.15	0.0359	5.61	No	5	0.674	0.4409	0	None	No	0.031	NP (selected)
Combined Radium 226 + 228 (pCi/L)	B-88	2.84	0.771	5.61	No	4	1.752	1.056	0	None	No	0.0625	NP (selected)

Federal Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:54 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-93	2.371	0.3074	5.61	No 4	1.339	0.4544	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-10	1.497	1.071	5.61	No 15	1.284	0.314	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-11	1.272	0.6667	5.61	No 15	0.9694	0.4467	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-12	1.27	0.4013	5.61	No 15	0.8984	0.714	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-13	1.484	1.036	5.61	No 15	1.26	0.3303	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-14	1.103	0.6919	5.61	No 15	0.8972	0.303	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-15	1.553	0.551	5.61	No 15	1.118	0.8748	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-17	1.05	0.5723	5.61	No 15	0.8113	0.3526	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-19	1.04	0.5062	5.61	No 15	0.7733	0.3942	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-2	1.444	0.8924	5.61	No 15	1.168	0.4067	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-20	1.543	0.8767	5.61	No 15	1.21	0.4913	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-21	1.125	0.5866	5.61	No 15	0.8557	0.3972	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-22	1.364	0.733	5.61	No 15	1.049	0.4659	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-23	1.489	0.7765	5.61	No 15	1.133	0.5259	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-4	1.721	1.187	5.61	No 15	1.454	0.3939	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-42	1.169	0.7309	5.61	No 15	0.9499	0.3231	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-47	2.903	1.785	5.61	No 15	2.344	0.8249	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-48	2.415	1.602	5.61	No 15	2.03	0.6435	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-5	1.839	1.024	5.61	No 15	1.431	0.6015	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-8	0.841	0.4794	5.61	No 15	0.6602	0.2668	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-9	1.439	0.9531	5.61	No 15	1.196	0.3583	0	None	No	0.01	Param.
Fluoride, total (mg/L)	B-102D	0.11	0.077	4	No 4	0.08725	0.01537	0	None	No	0.0625	NP (normality)
Fluoride, total (mg/L)	B-104D	0.5774	0.2326	4	No 4	0.405	0.07594	0	None	No	0.01	Param.
Fluoride, total (mg/L)	B-111D	0.7199	0.1451	4	No 4	0.4325	0.1266	0	None	No	0.01	Param.
Fluoride, total (mg/L)	B-56	0.34	0.098	4	No 4	0.207	0.09985	0	None	No	0.0625	NP (selected)
Fluoride, total (mg/L)	B-62	0.3546	0.06003	4	No 6	0.1855	0.1295	0	None	x^(1/3)	0.01	Param.
Fluoride, total (mg/L)	B-77	0.1	0.078	4	No 5	0.0948	0.00955	60	None	No	0.031	NP (NDs)
Fluoride, total (mg/L)	B-82	0.2	0.052	4	No 4	0.113	0.06226	50	None	No	0.0625	NP (selected)
Fluoride, total (mg/L)	B-83	0.1232	0.02857	4	No 5	0.0834	0.0317	20	Kaplan-Meier	No	0.01	Param.
Fluoride, total (mg/L)	B-93	0.3685	0.2815	4	No 4	0.325	0.01915	0	None	No	0.01	Param.
Fluoride, total (mg/L)	DGWC-10	1.862	1.347	4	No 16	1.604	0.3955	0	None	No	0.01	Param.
Fluoride, total (mg/L)	DGWC-11	0.1	0.052	4	No 15	0.0804	0.0261	60	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-12	0.1641	0.05529	4	No 16	0.1588	0.1448	37.5	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride, total (mg/L)	DGWC-13	0.2134	0.08589	4	No 15	0.157	0.1093	6.667	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	DGWC-14	0.1	0.052	4	No 16	0.08588	0.02643	68.75	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-15	0.11	0.079	4	No 16	0.1054	0.04361	62.5	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-17	0.2722	0.09774	4	No 16	0.2039	0.1552	12.5	None	x^(1/3)	0.01	Param.
Fluoride, total (mg/L)	DGWC-19	0.5135	0.1749	4	No 16	0.3713	0.313	6.25	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	DGWC-2	0.28	0.052	4	No 16	0.1429	0.1586	37.5	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	DGWC-20	0.9494	0.4006	4	No 16	0.675	0.4218	6.25	None	No	0.01	Param.
Fluoride, total (mg/L)	DGWC-21	0.14	0.07	4	No 16	0.107	0.06664	62.5	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-22	0.13	0.09	4	No 16	0.1185	0.06532	50	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	DGWC-23	0.2262	0.09243	4	No 16	0.1852	0.1558	6.25	None	ln(x)	0.01	Param.
Fluoride, total (mg/L)	DGWC-4	0.17	0.082	4	No 16	0.1364	0.1776	68.75	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-42	0.1	0.06	4	No 16	0.0925	0.02176	87.5	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-47	1.146	0.5167	4	No 16	0.8313	0.4835	0	None	No	0.01	Param.
Fluoride, total (mg/L)	DGWC-48	1.19	0.6114	4	No 16	0.9006	0.4445	0	None	No	0.01	Param.
Fluoride, total (mg/L)	DGWC-5	0.7808	0.2378	4	No 15	0.5667	0.4567	6.667	None	x^(1/3)	0.01	Param.
Fluoride, total (mg/L)	DGWC-8	0.4095	0.1193	4	No 15	0.2868	0.2338	13.33	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	DGWC-9	1.391	0.9657	4	No 16	1.178	0.3265	0	None	No	0.01	Param.
Lead (mg/L)	B-100	0.0003036	0.00005528	0.015	No 4	0.0003695	0.0004235	25	Kaplan-Meier	sqrt(x)	0.01	Param.

Federal Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lead (mg/L)	B-102D	0.001	0.000037	0.015	No	4	0.0002865	0.0004758	25	None	No	0.0625	NP (normality)
Lead (mg/L)	B-104D	0.001	0.000051	0.015	No	4	0.0007628	0.0004745	75	None	No	0.0625	NP (NDs)
Lead (mg/L)	B-111D	0.001	0.000051	0.015	No	4	0.0005273	0.0005459	50	None	No	0.0625	NP (normality)
Lead (mg/L)	B-56	0.0002854	0.00003627	0.015	No	4	0.0003528	0.0004355	25	Kaplan-Meier	sqrt(x)	0.01	Param.
Lead (mg/L)	B-63	0.001	0.000047	0.015	No	4	0.00053	0.0005428	50	None	No	0.0625	NP (normality)
Lead (mg/L)	B-77	0.0016	0.00021	0.015	No	6	0.0007367	0.000554	33.33	None	No	0.0155	NP (selected)
Lead (mg/L)	B-82	0.0001911	0.00004858	0.015	No	5	0.0004658	0.000489	40	Kaplan-Meier	x^(1/3)	0.01	Param.
Lead (mg/L)	B-83	0.001	0.000065	0.015	No	5	0.000455	0.0004634	20	None	No	0.031	NP (selected)
Lead (mg/L)	B-88	0.02767	0.00004865	0.015	No	4	0.00354	0.005647	25	Kaplan-Meier	ln(x)	0.01	Param.
Lead (mg/L)	B-93	0.001	0.00012	0.015	No	4	0.00056	0.0005081	50	None	No	0.0625	NP (normality)
Lead (mg/L)	DGWC-10	0.001	0.00011	0.015	No	14	0.0006273	0.0004481	57.14	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-11	0.001	0.0001	0.015	No	14	0.0006785	0.0004481	64.29	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-12	0.001	0.00011	0.015	No	16	0.0008881	0.0003057	87.5	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-13	0.001	0.0002	0.015	No	14	0.0008784	0.0003097	85.71	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-14	0.001	0.000096	0.015	No	15	0.0008149	0.0003834	80	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-15	0.0012	0.0001	0.015	No	15	0.0007161	0.0004487	60	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-17	0.001	0.00009	0.015	No	15	0.0005862	0.0004585	53.33	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-19	0.001	0.00007	0.015	No	15	0.0007059	0.0004334	66.67	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-2	0.001	0.000086	0.015	No	15	0.0005156	0.0004693	46.67	None	No	0.01	NP (normality)
Lead (mg/L)	DGWC-20	0.001	0.00015	0.015	No	15	0.0007311	0.0003691	60	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-21	0.001	0.00014	0.015	No	15	0.0006177	0.0004296	53.33	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-23	0.001	0.000066	0.015	No	15	0.0009377	0.0002412	93.33	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-4	0.001	0.00012	0.015	No	14	0.0007478	0.0004149	71.43	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-42	0.0004678	0.0001549	0.015	No	15	0.0008147	0.001228	20	Kaplan-Meier	ln(x)	0.01	Param.
Lead (mg/L)	DGWC-47	0.0011	0.00053	0.015	No	15	0.001081	0.001106	26.67	None	No	0.01	NP (normality)
Lead (mg/L)	DGWC-48	0.0022	0.00095	0.015	No	15	0.001664	0.001169	13.33	None	No	0.01	NP (normality)
Lead (mg/L)	DGWC-5	0.001	0.000051	0.015	No	14	0.0005984	0.0006777	35.71	None	No	0.01	NP (normality)
Lead (mg/L)	DGWC-8	0.001	0.00011	0.015	No	14	0.0006273	0.0004132	50	None	No	0.01	NP (normality)
Lead (mg/L)	DGWC-9	0.001	0.00028	0.015	No	15	0.00084	0.0003323	80	None	No	0.01	NP (NDs)
Lithium (mg/L)	B-100	0.003519	0.0007815	0.04	No	4	0.00215	0.0006028	0	None	No	0.01	Param.
Lithium (mg/L)	B-102D	0.01666	0.009844	0.04	No	4	0.01325	0.0015	0	None	No	0.01	Param.
Lithium (mg/L)	B-104D	0.04121	0.03479	0.04	No	4	0.038	0.001414	0	None	No	0.01	Param.
Lithium (mg/L)	B-111D	0.029	0.021	0.04	No	4	0.02475	0.004349	0	None	No	0.0625	NP (selected)
Lithium (mg/L)	B-56	0.005968	0.004632	0.04	No	4	0.0053	0.0002944	0	None	No	0.01	Param.
Lithium (mg/L)	B-62	0.015	0.0078	0.04	No	7	0.0094	0.002532	14.29	None	No	0.008	NP (normality)
Lithium (mg/L)	B-63	0.015	0.0062	0.04	No	5	0.00812	0.003849	20	None	No	0.031	NP (normality)
Lithium (mg/L)	B-77	0.015	0.00095	0.04	No	6	0.004525	0.005339	16.67	None	No	0.0155	NP (selected)
Lithium (mg/L)	B-82	0.0039	0.001	0.04	No	5	0.00222	0.001422	0	None	No	0.031	NP (selected)
Lithium (mg/L)	B-83	0.004551	0.0009685	0.04	No	5	0.00276	0.001069	0	None	No	0.01	Param.
Lithium (mg/L)	B-88	0.029	0.0016	0.04	No	4	0.009575	0.01311	0	None	No	0.0625	NP (selected)
Lithium (mg/L)	B-93	0.012	0.011	0.04	No	4	0.01125	0.0005	0	None	No	0.0625	NP (normality)
Lithium (mg/L)	DGWC-10	0.006793	0.002702	0.04	No	14	0.005343	0.004279	14.29	None	ln(x)	0.01	Param.
Lithium (mg/L)	DGWC-11	0.0028	0.0019	0.04	No	14	0.003186	0.003418	7.143	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-12	0.015	0.0011	0.04	No	16	0.01064	0.006685	68.75	None	No	0.01	NP (NDs)
Lithium (mg/L)	DGWC-13	0.0036	0.0029	0.04	No	14	0.004879	0.004297	14.29	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-14	0.0044	0.0032	0.04	No	15	0.00472	0.003078	6.667	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-15	0.0066	0.0058	0.04	No	14	0.00625	0.0008465	0	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-17	0.015	0.00096	0.04	No	15	0.009434	0.007057	60	None	No	0.01	NP (NDs)
Lithium (mg/L)	DGWC-19	0.0035	0.003	0.04	No	15	0.003993	0.003053	6.667	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-2	0.085	0.023	0.04	No	15	0.04906	0.03031	6.667	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-20	0.012	0.0021	0.04	No	15	0.006407	0.005611	6.667	None	No	0.01	NP (normality)

Federal Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lithium (mg/L)	DGWC-21	0.0065	0.0057	0.04	No	15	0.00656	0.00236	6.667	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-22	0.0046	0.0037	0.04	No	15	0.00484	0.002836	6.667	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-23	0.01279	0.003816	0.04	No	15	0.01165	0.01832	6.667	None	ln(x)	0.01	Param.
Lithium (mg/L)	DGWC-4	0.0035	0.0025	0.04	No	14	0.003786	0.003256	7.143	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-42	0.01268	0.01007	0.04	No	15	0.01137	0.001928	6.667	None	No	0.01	Param.
Lithium (mg/L)	DGWC-47	0.07457	0.05787	0.04	Yes	15	0.06622	0.01232	0	None	No	0.01	Param.
Lithium (mg/L)	DGWC-48	0.1269	0.106	0.04	Yes	15	0.1165	0.01544	0	None	No	0.01	Param.
Lithium (mg/L)	DGWC-5	0.008199	0.004206	0.04	No	14	0.006343	0.003062	7.143	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	DGWC-8	0.0072	0.0045	0.04	No	14	0.006036	0.002823	7.143	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-9	0.02931	0.02328	0.04	No	15	0.02629	0.004445	6.667	None	No	0.01	Param.
Mercury (mg/L)	B-104D	0.0002	0.000079	0.002	No	4	0.0001697	0.0000605	75	None	No	0.0625	NP (NDs)
Mercury (mg/L)	B-111D	0.0002	0.000094	0.002	No	4	0.0001735	0.000053	75	None	No	0.0625	NP (NDs)
Mercury (mg/L)	B-56	0.0002	0.00016	0.002	No	4	0.00019	0.00002	75	None	No	0.0625	NP (NDs)
Mercury (mg/L)	B-82	0.0002	0.00011	0.002	No	5	0.000182	0.00004025	80	None	No	0.031	NP (NDs)
Mercury (mg/L)	B-88	0.0002	0.0001	0.002	No	4	0.0001525	0.000055	50	None	No	0.0625	NP (normality)
Mercury (mg/L)	B-93	0.00036	0.00001396	0.002	No	4	0.000187	0.00007622	0	None	No	0.01	Param.
Mercury (mg/L)	DGWC-10	0.0002	0.000081	0.002	No	14	0.0001658	0.00005628	71.43	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-11	0.0002	0.00008	0.002	No	14	0.0001707	0.0000585	78.57	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-12	0.0002	0.00008	0.002	No	16	0.0001541	0.00006456	62.5	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-13	0.0002	0.00009	0.002	No	14	0.0001829	0.00004375	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-14	0.0002	0.00008	0.002	No	15	0.0001727	0.00005688	80	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-15	0.0002	0.00006	0.002	No	15	0.0001907	0.00003615	93.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-17	0.0002	0.00006	0.002	No	15	0.0001404	0.00006361	46.67	None	No	0.01	NP (normality)
Mercury (mg/L)	DGWC-19	0.0002	0.00009	0.002	No	15	0.000172	0.00005882	80	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-2	0.00064	0.000083	0.002	No	15	0.0002049	0.0001304	73.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-20	0.0002	0.00009	0.002	No	15	0.0001767	0.00004835	80	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-21	0.0002	0.00006	0.002	No	15	0.000158	0.00006327	66.67	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-22	0.0002	0.0001	0.002	No	15	0.0001677	0.00005729	73.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-23	0.0002053	0.0001241	0.002	No	15	0.0001853	0.0000573	26.67	Kaplan-Meier	No	0.01	Param.
Mercury (mg/L)	DGWC-4	0.00059	0.00013	0.002	No	14	0.0002059	0.0001192	71.43	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-42	0.0002	0.00004	0.002	No	15	0.0001893	0.00004131	93.33	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-48	0.0002	0.00006	0.002	No	15	0.0001907	0.00003615	93.33	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-5	0.0002402	0.0001202	0.002	No	14	0.0001924	0.0001175	14.29	None	ln(x)	0.01	Param.
Mercury (mg/L)	DGWC-8	0.0002	0.000079	0.002	No	14	0.0001494	0.00006312	57.14	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-9	0.00021	0.00013	0.002	No	15	0.0001881	0.00008736	46.67	None	No	0.01	NP (normality)
Molybdenum (mg/L)	B-104D	0.01	0.0012	0.1	No	4	0.0078	0.0044	75	None	No	0.0625	NP (NDs)
Molybdenum (mg/L)	B-111D	0.01817	0.002799	0.1	No	4	0.00765	0.003615	0	None	ln(x)	0.01	Param.
Molybdenum (mg/L)	B-66	0.01	0.0015	0.1	No	4	0.005825	0.004822	50	None	No	0.0625	NP (normality)
Molybdenum (mg/L)	B-88	0.01	0.0012	0.1	No	4	0.0056	0.005081	50	None	No	0.0625	NP (normality)
Molybdenum (mg/L)	DGWC-13	0.0262	0.01302	0.1	No	14	0.01961	0.009301	0	None	No	0.01	Param.
Molybdenum (mg/L)	DGWC-2	0.01	0.0018	0.1	No	15	0.005093	0.004167	40	None	No	0.01	NP (normality)
Molybdenum (mg/L)	DGWC-23	0.01117	0.00682	0.1	No	15	0.008993	0.003208	0	None	No	0.01	Param.
Molybdenum (mg/L)	DGWC-4	0.007258	0.004757	0.1	No	14	0.006007	0.001765	7.143	None	No	0.01	Param.
Selenium (mg/L)	B-100	0.005	0.0019	0.05	No	4	0.004225	0.00155	75	None	No	0.0625	NP (NDs)
Selenium (mg/L)	B-104D	0.004053	0.0006472	0.05	No	4	0.003675	0.001648	50	Kaplan-Meier	No	0.01	Param.
Selenium (mg/L)	B-111D	0.005	0.0022	0.05	No	4	0.0043	0.0014	75	None	No	0.0625	NP (NDs)
Selenium (mg/L)	B-56	0.029	0.011	0.05	No	4	0.016	0.008718	0	None	No	0.0625	NP (normality)
Selenium (mg/L)	B-77	0.005	0.0017	0.05	No	6	0.00445	0.001347	83.33	None	No	0.0155	NP (NDs)
Selenium (mg/L)	B-82	0.005	0.0016	0.05	No	5	0.00374	0.001734	60	None	No	0.031	NP (NDs)
Selenium (mg/L)	B-83	0.02981	0.006668	0.05	No	5	0.01824	0.006906	0	None	No	0.01	Param.
Selenium (mg/L)	B-88	0.004472	0.0007278	0.05	No	4	0.0026	0.0008246	0	None	No	0.01	Param.

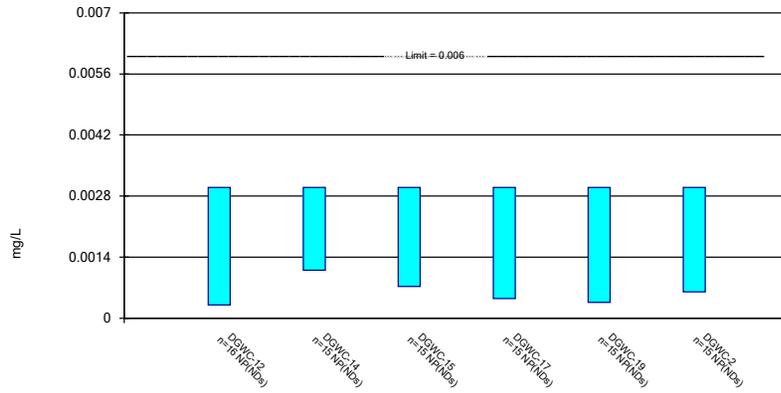
Federal Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Selenium (mg/L)	B-93	0.036	0.0076	0.05	No	4	0.01788	0.01288	0	None	No	0.0625	NP (selected)
Selenium (mg/L)	DGWC-10	0.05289	0.02215	0.05	No	14	0.03752	0.0217	0	None	No	0.01	Param.
Selenium (mg/L)	DGWC-12	0.005	0.0017	0.05	No	16	0.003931	0.002266	56.25	None	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-13	0.004442	0.0019	0.05	No	14	0.004307	0.00244	21.43	Kaplan-Meier	No	0.01	Param.
Selenium (mg/L)	DGWC-14	0.01	0.0017	0.05	No	15	0.004227	0.002257	66.67	Kaplan-Meier	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-15	0.01	0.0018	0.05	No	15	0.00512	0.001582	93.33	Kaplan-Meier	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-17	0.009189	0.006423	0.05	No	15	0.007953	0.002359	13.33	None	ln(x)	0.01	Param.
Selenium (mg/L)	DGWC-19	0.008946	0.005774	0.05	No	15	0.00736	0.00234	13.33	None	No	0.01	Param.
Selenium (mg/L)	DGWC-2	0.0053	0.0045	0.05	No	15	0.005193	0.001557	46.67	None	No	0.01	NP (normality)
Selenium (mg/L)	DGWC-20	0.06742	0.0338	0.05	No	15	0.05061	0.02481	0	None	No	0.01	Param.
Selenium (mg/L)	DGWC-22	0.005	0.0017	0.05	No	15	0.00478	0.0008521	93.33	None	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-4	0.005	0.0014	0.05	No	14	0.004743	0.0009621	92.86	None	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-47	0.01301	0.005259	0.05	No	15	0.009133	0.005718	13.33	None	No	0.01	Param.
Selenium (mg/L)	DGWC-48	0.008046	0.003594	0.05	No	15	0.00582	0.003285	13.33	None	No	0.01	Param.
Selenium (mg/L)	DGWC-5	0.0457	0.00964	0.05	No	14	0.03263	0.04214	7.143	None	x^(1/3)	0.01	Param.
Selenium (mg/L)	DGWC-8	0.00408	0.002153	0.05	No	14	0.004586	0.002144	50	Kaplan-Meier	sqrt(x)	0.01	Param.
Selenium (mg/L)	DGWC-9	0.1308	0.05207	0.05	Yes	15	0.09144	0.0581	0	None	No	0.01	Param.
Thallium (mg/L)	B-56	0.0003212	0.0001238	0.002	No	4	0.0002225	0.00004349	0	None	No	0.01	Param.
Thallium (mg/L)	B-82	0.001	0.000099	0.002	No	5	0.0006418	0.0004905	60	None	No	0.031	NP (NDs)
Thallium (mg/L)	B-83	0.001	0.000072	0.002	No	5	0.0008144	0.000415	80	None	No	0.031	NP (NDs)
Thallium (mg/L)	B-88	0.001	0.0002	0.002	No	4	0.0008	0.0004	75	None	No	0.0625	NP (NDs)
Thallium (mg/L)	DGWC-10	0.0006	0.00036	0.002	No	14	0.0004907	0.0002285	14.29	None	No	0.01	NP (normality)
Thallium (mg/L)	DGWC-12	0.001	0.00009	0.002	No	16	0.0006042	0.0004636	56.25	None	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-17	0.001	0.00017	0.002	No	15	0.000398	0.0003761	26.67	None	No	0.01	NP (normality)
Thallium (mg/L)	DGWC-19	0.00059	0.00049	0.002	No	15	0.000544	0.0001384	6.667	None	No	0.01	NP (normality)
Thallium (mg/L)	DGWC-20	0.000988	0.0005219	0.002	No	15	0.000942	0.0004995	26.67	Kaplan-Meier	ln(x)	0.01	Param.
Thallium (mg/L)	DGWC-22	0.001	0.000064	0.002	No	15	0.0006889	0.0004554	66.67	Kaplan-Meier	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-4	0.001	0.000073	0.002	No	14	0.0009338	0.0002478	92.86	None	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-42	0.001	0.00009	0.002	No	15	0.0007559	0.000419	73.33	None	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-47	0.00036	0.0002	0.002	No	15	0.0003513	0.0002684	13.33	None	No	0.01	NP (normality)
Thallium (mg/L)	DGWC-48	0.001	0.00008	0.002	No	15	0.0006937	0.0004484	66.67	None	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-5	0.001	0.0002	0.002	No	14	0.00081	0.0003787	78.57	None	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-8	0.001	0.00019	0.002	No	14	0.0003886	0.0003356	21.43	None	No	0.01	NP (normality)
Thallium (mg/L)	DGWC-9	0.001	0.00043	0.002	No	15	0.0007027	0.0002443	33.33	None	No	0.01	NP (normality)

Non-Parametric Confidence Interval

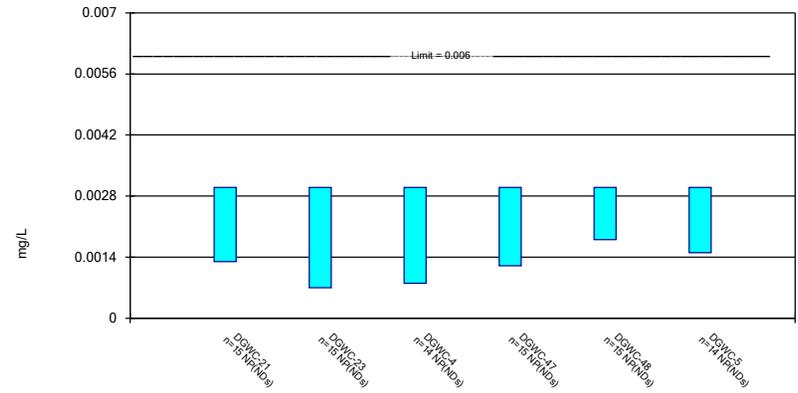
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Constituent: Antimony Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
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Non-Parametric Confidence Interval

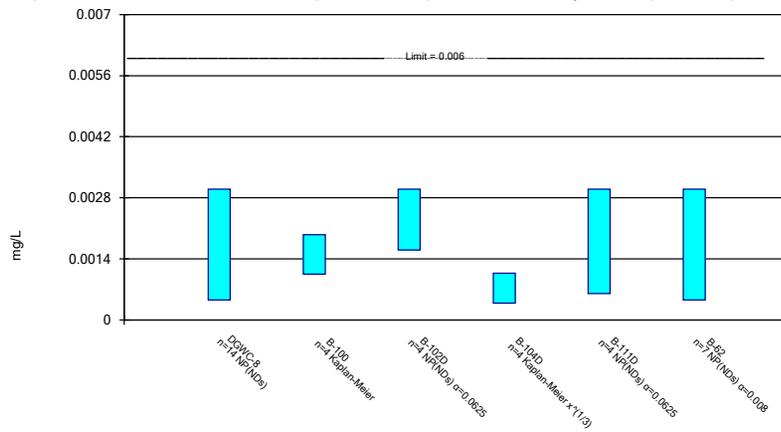
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Constituent: Antimony Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

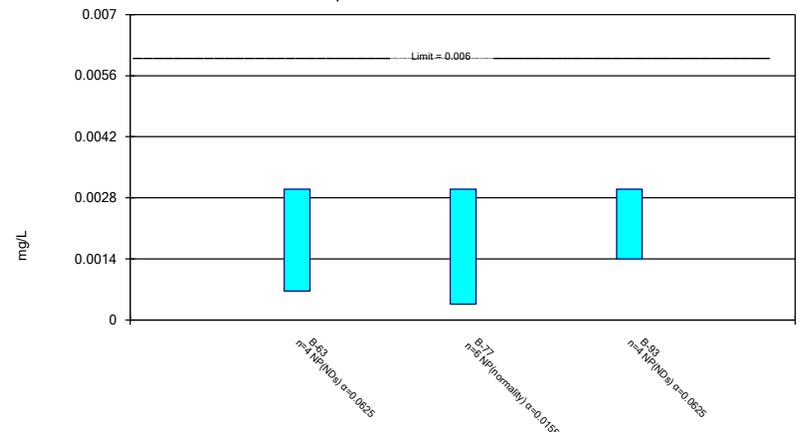
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Constituent: Antimony Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

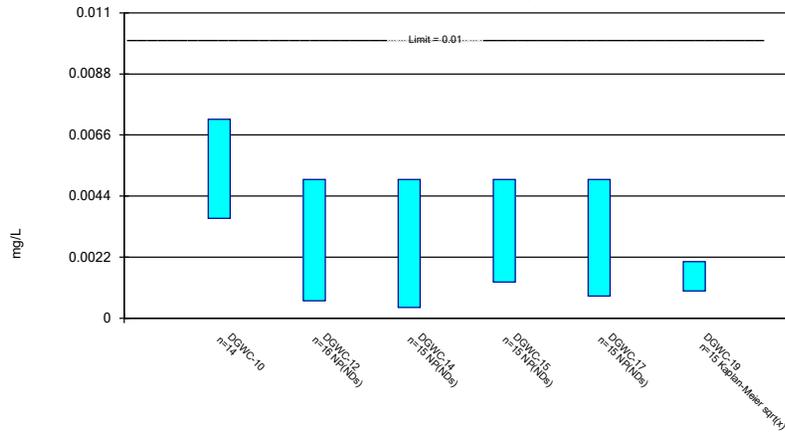
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Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

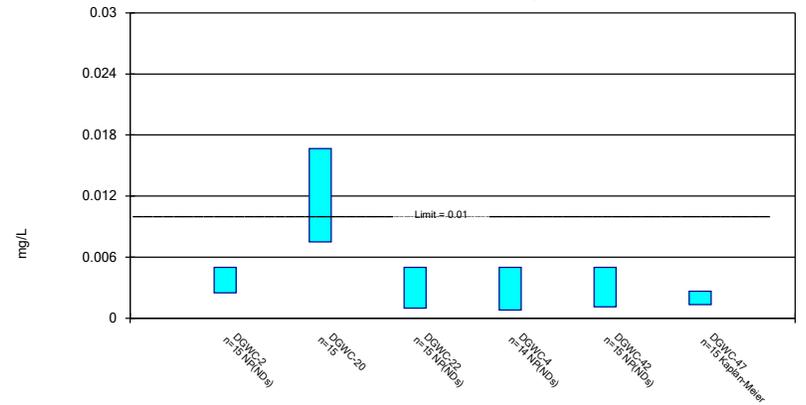
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Constituent: Arsenic Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

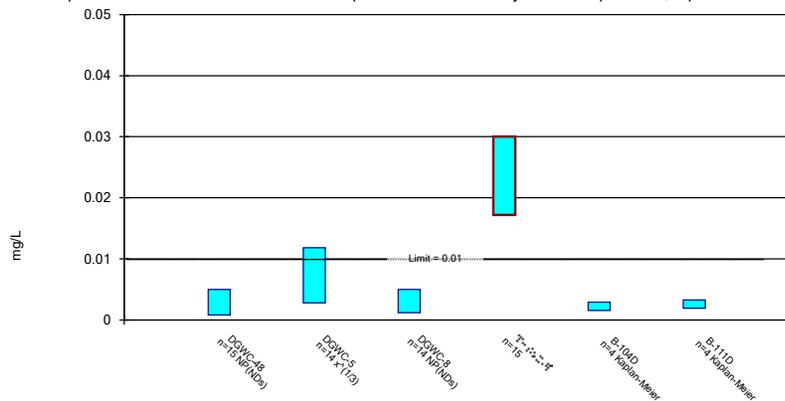
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Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

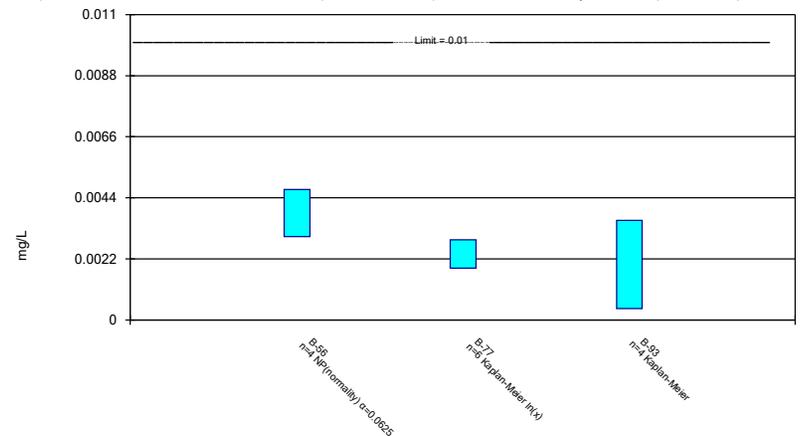
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Constituent: Arsenic Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

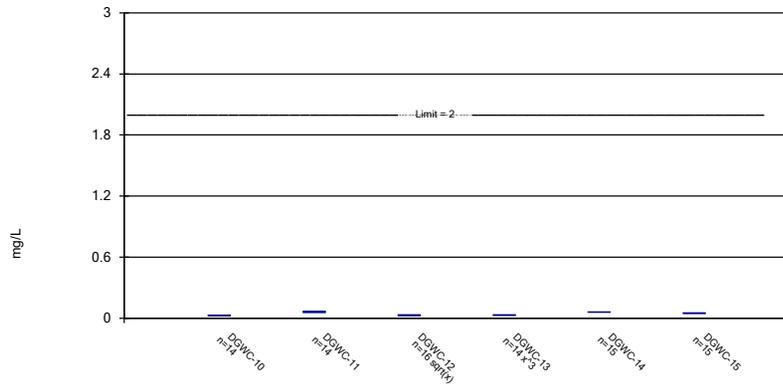
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Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

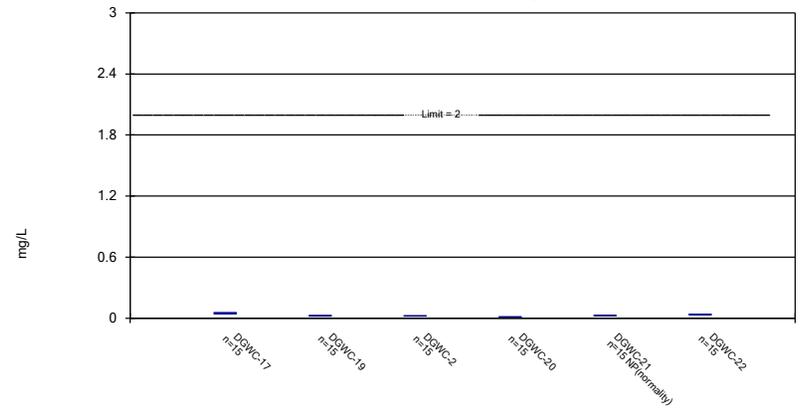
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Constituent: Barium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

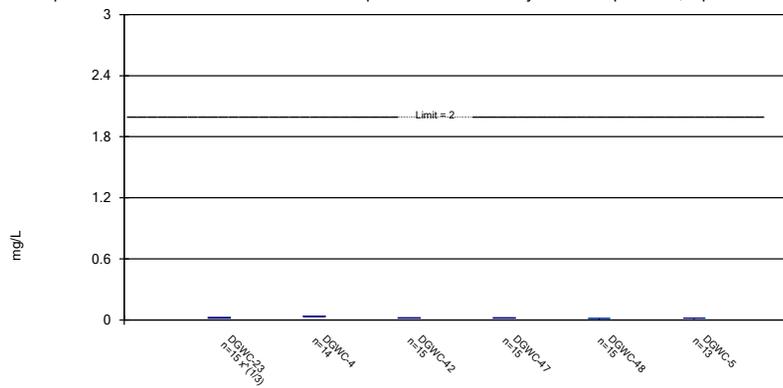
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

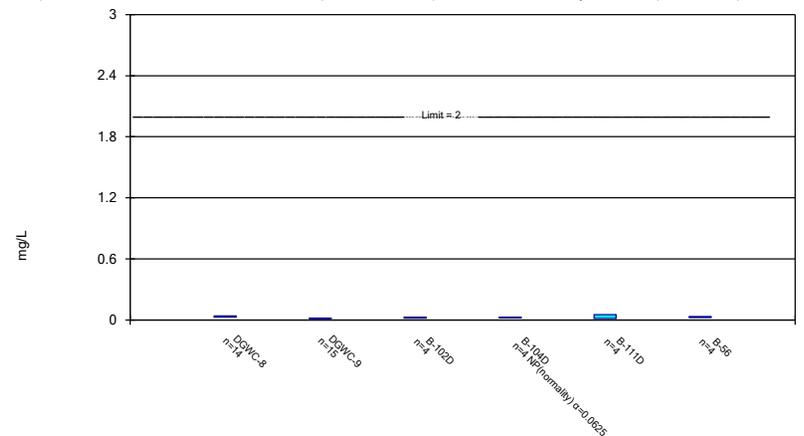
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

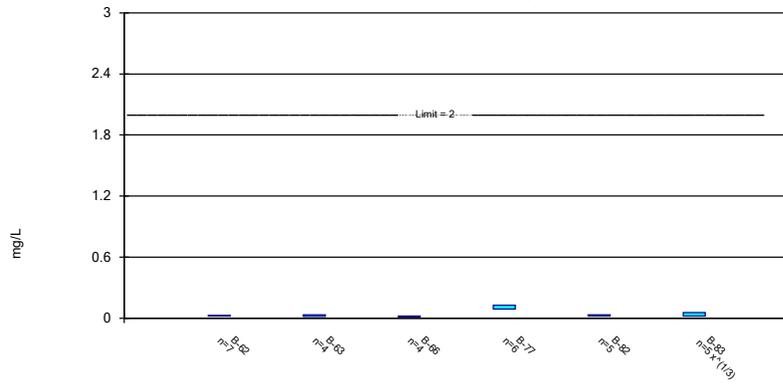
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

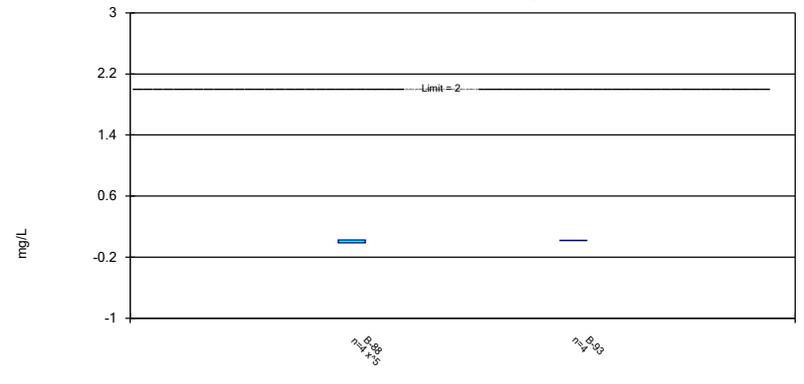
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Constituent: Barium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

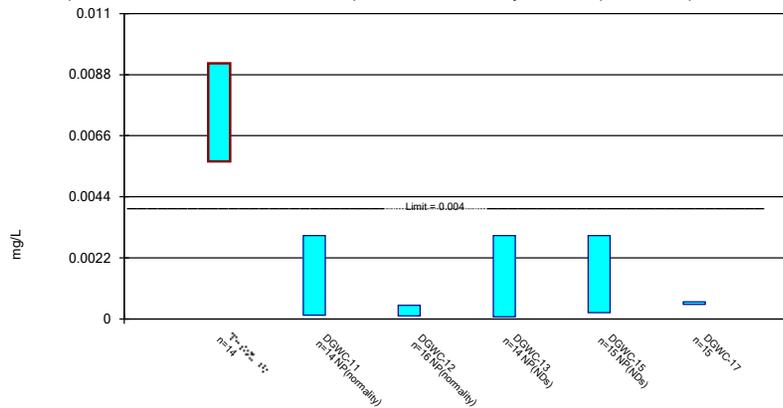
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

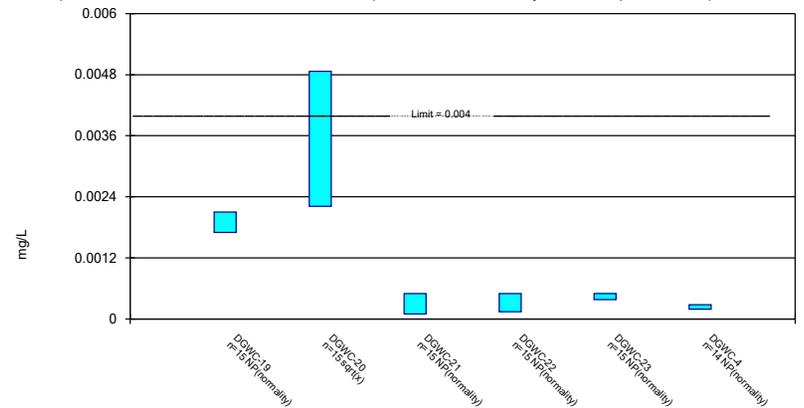
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Constituent: Beryllium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

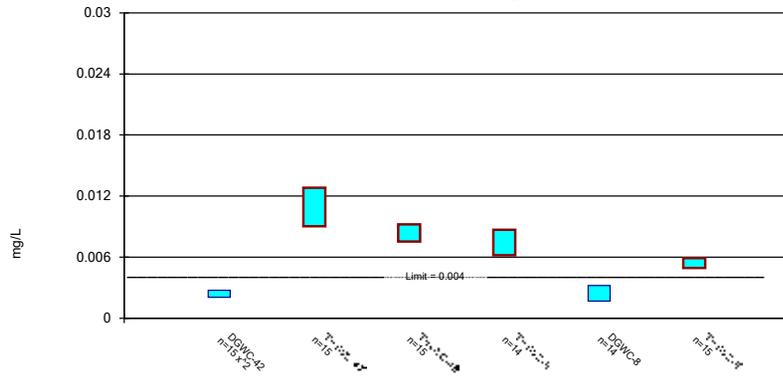
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Beryllium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

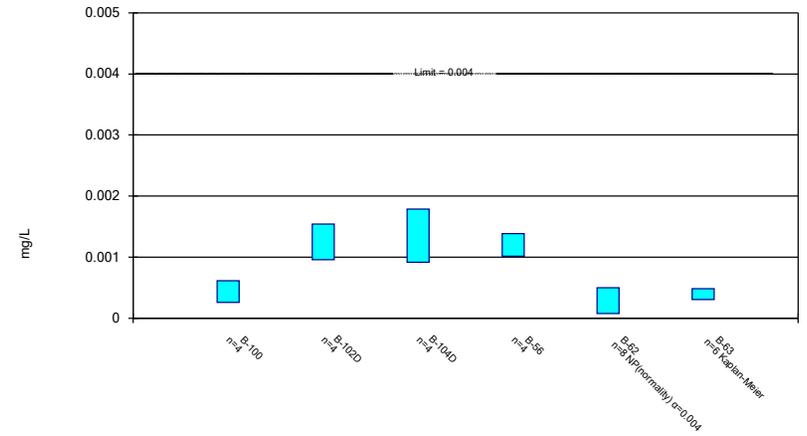
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Beryllium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

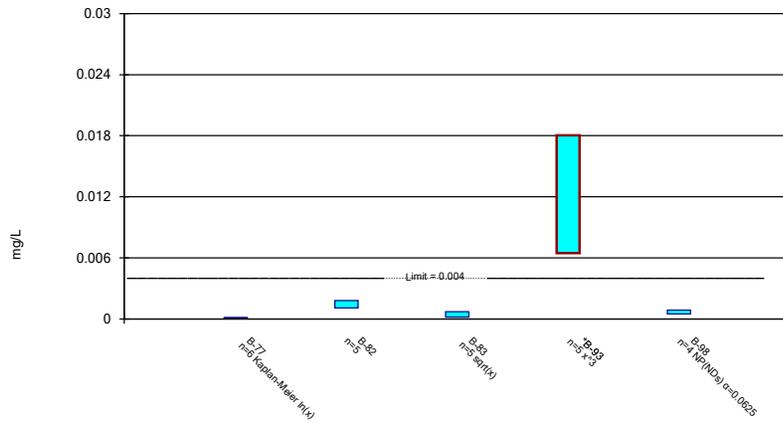
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Constituent: Beryllium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

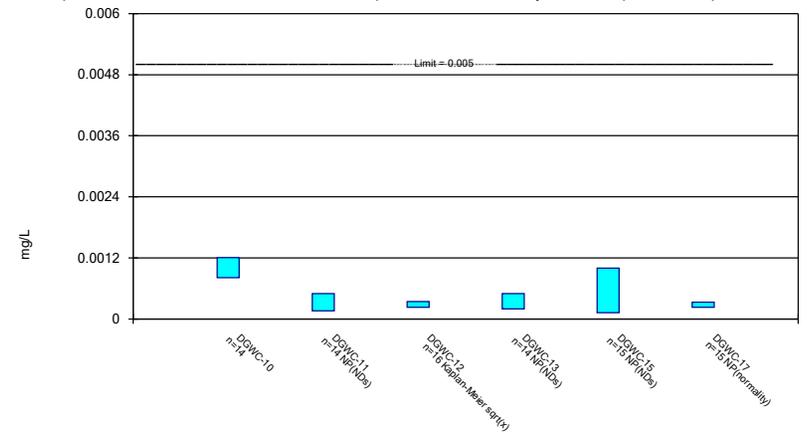
Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Beryllium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

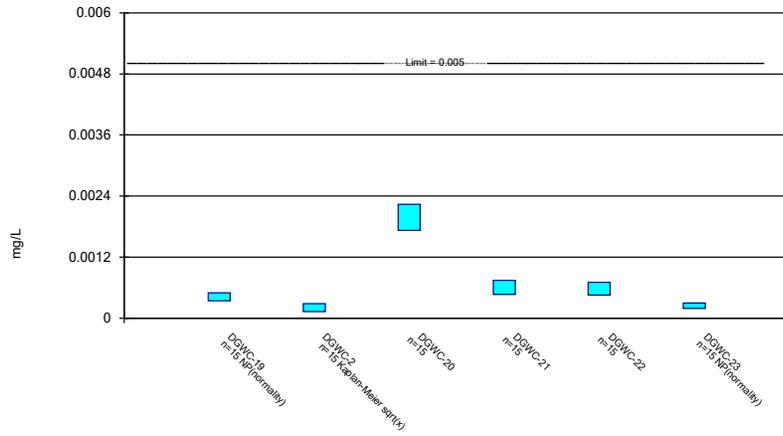
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Constituent: Cadmium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

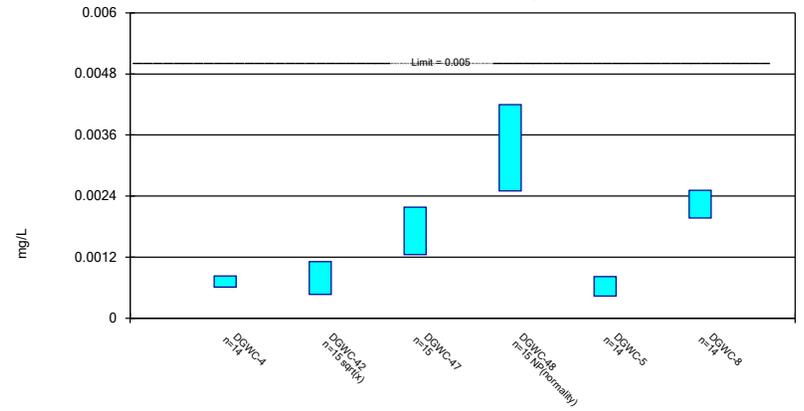
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cadmium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

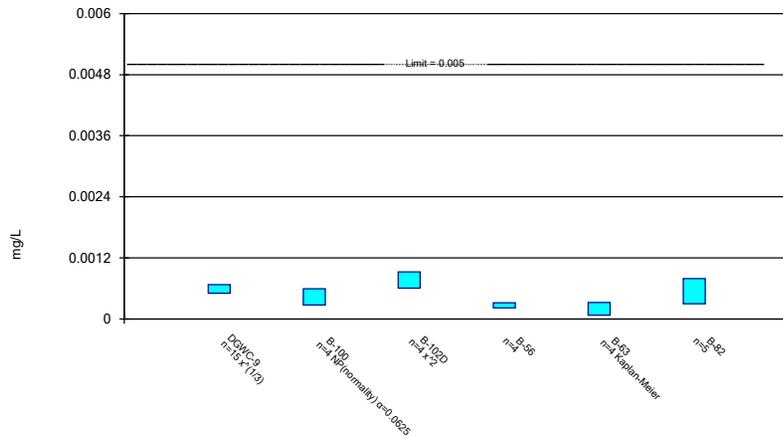
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cadmium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

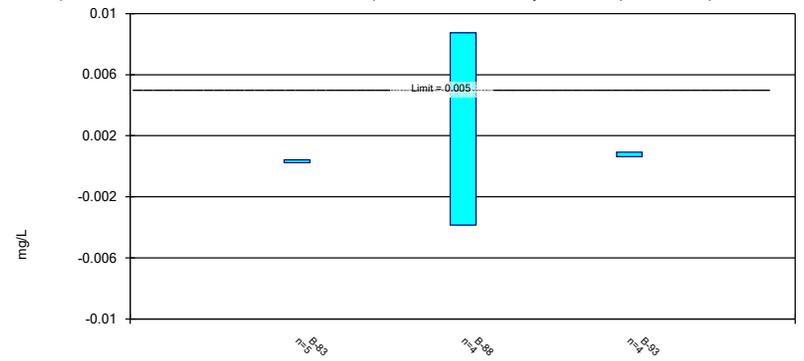
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Constituent: Cadmium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

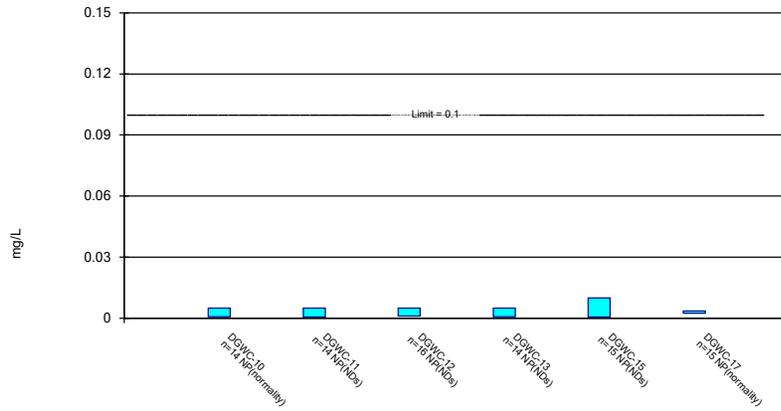
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Constituent: Cadmium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

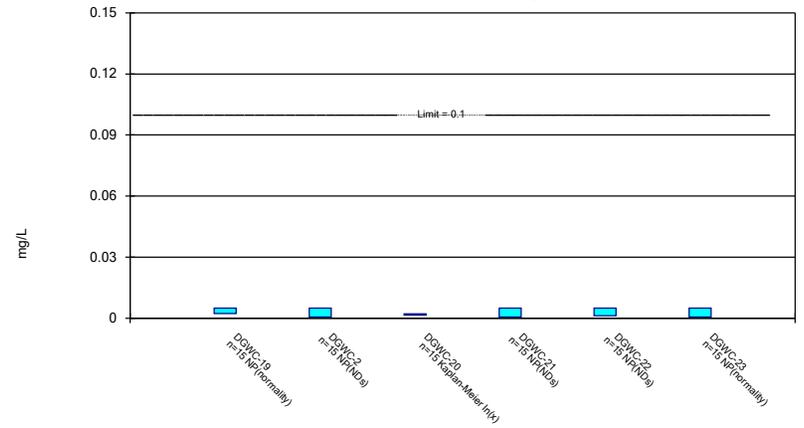
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Chromium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

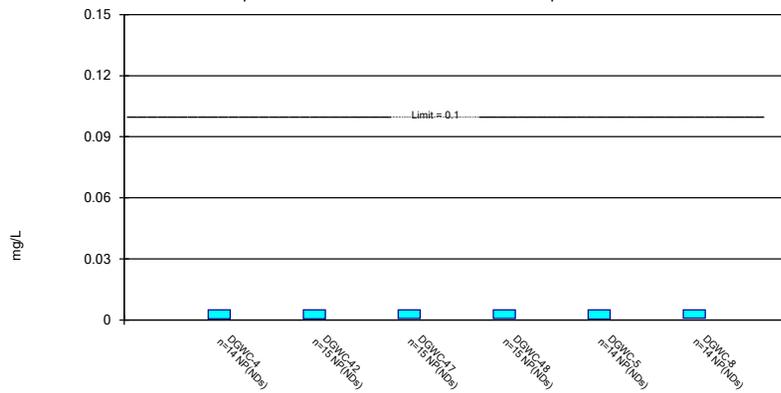
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Chromium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

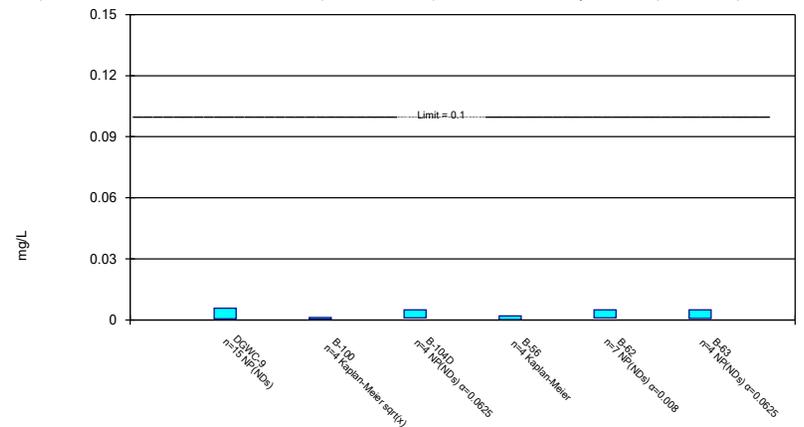
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Constituent: Chromium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

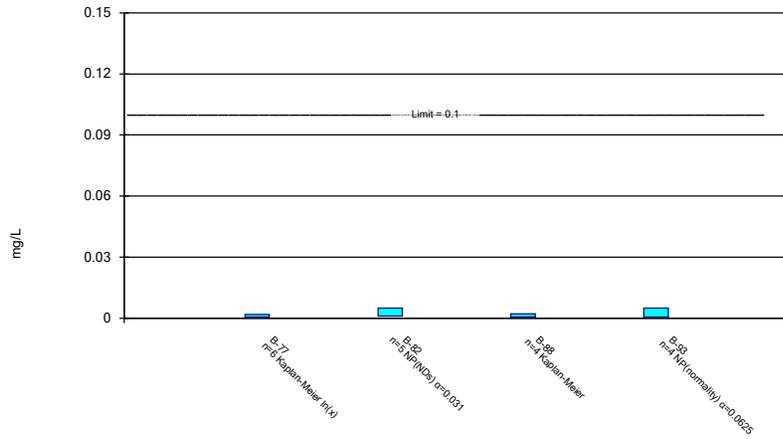
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Constituent: Chromium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

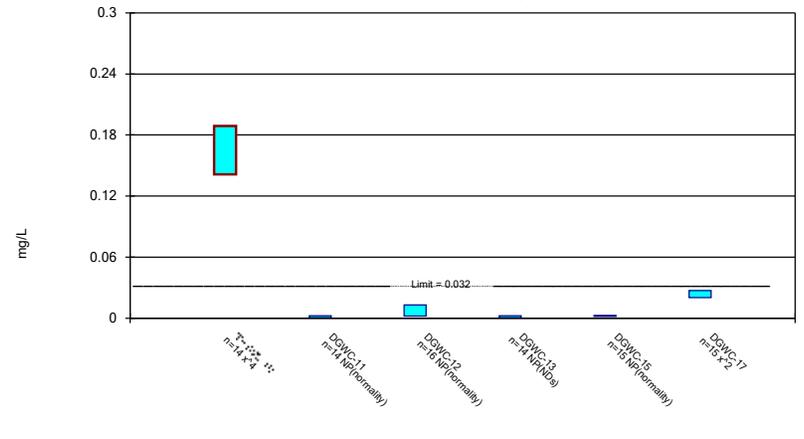
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Constituent: Chromium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

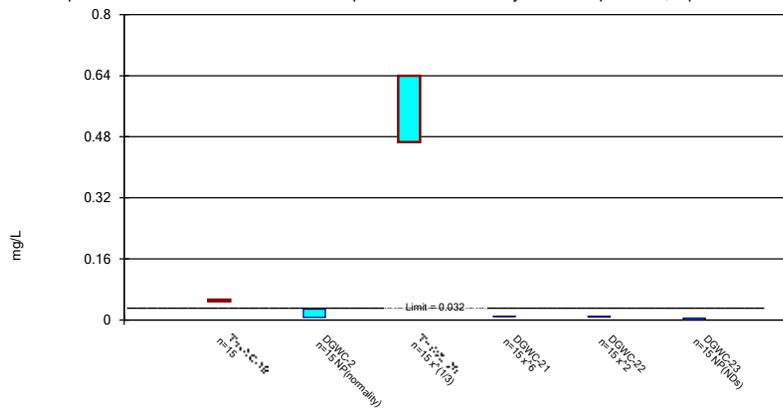
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

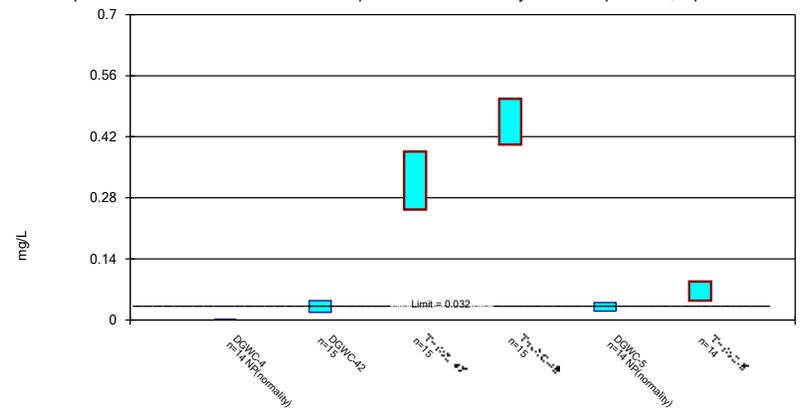
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Constituent: Cobalt Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

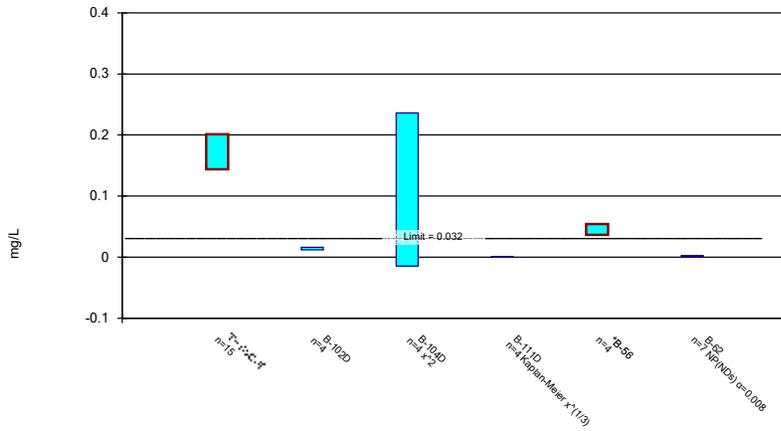
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

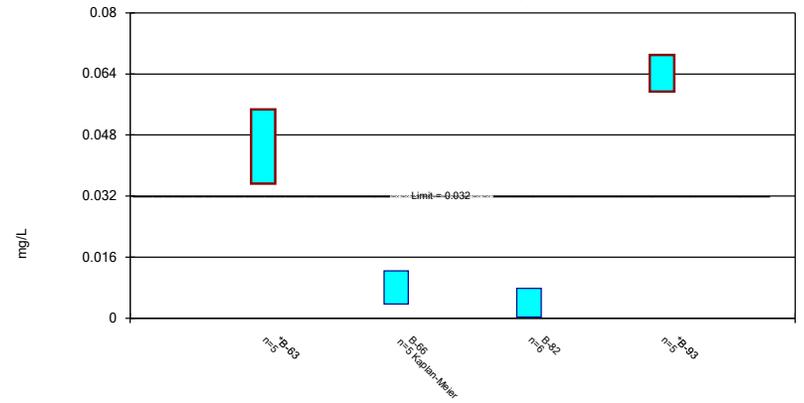
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Constituent: Cobalt Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

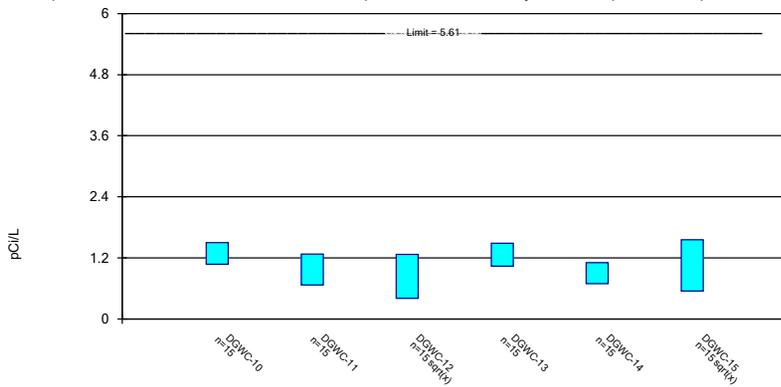
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Constituent: Cobalt Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

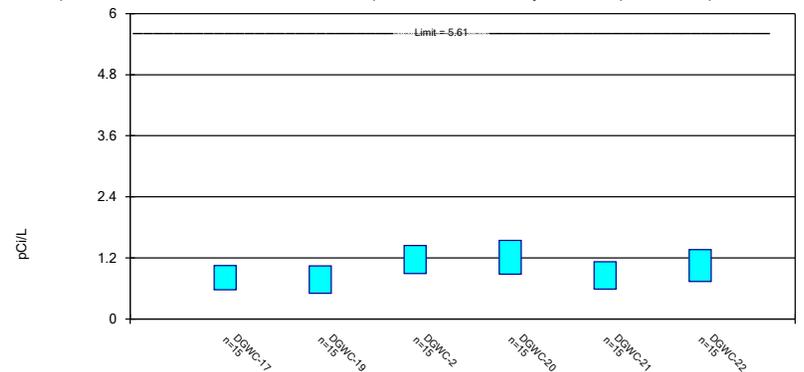
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

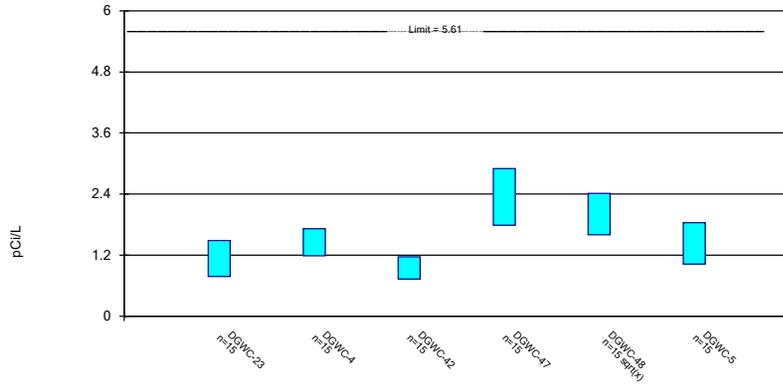
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

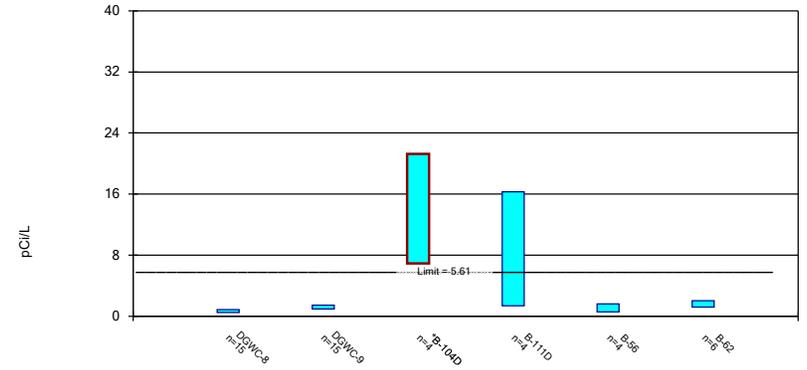
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Inte
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

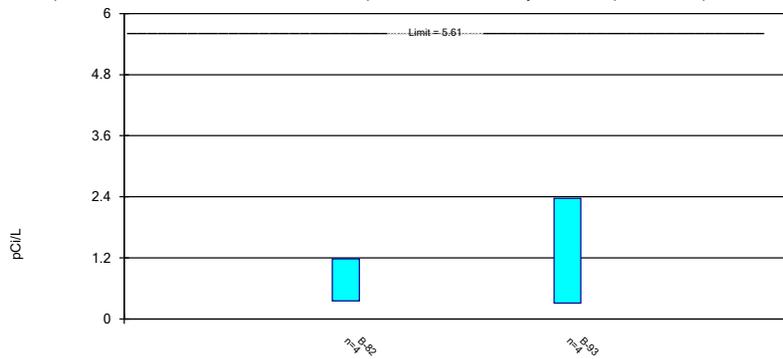
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Constituent: Combined Radium 226 + 228 Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Inte
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

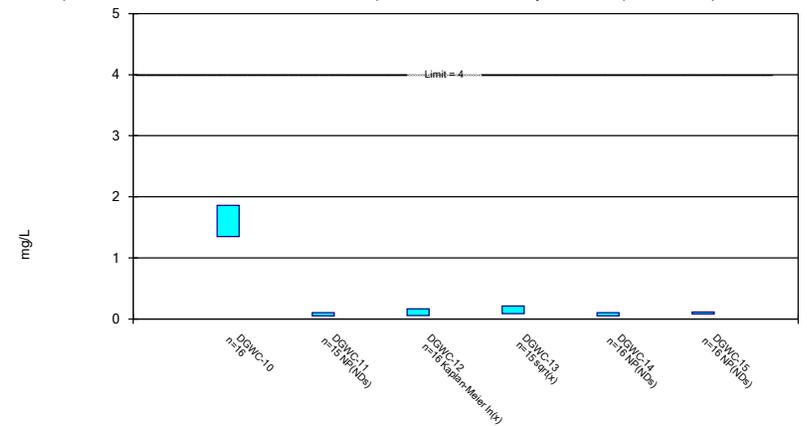
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Constituent: Combined Radium 226 + 228 Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Inte
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

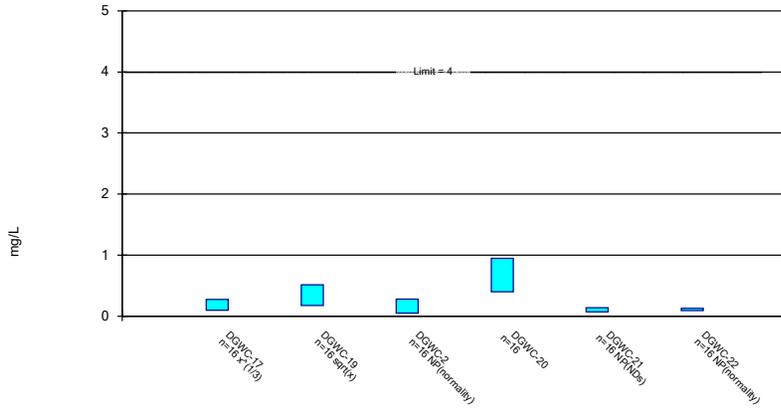
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Constituent: Fluoride, total Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

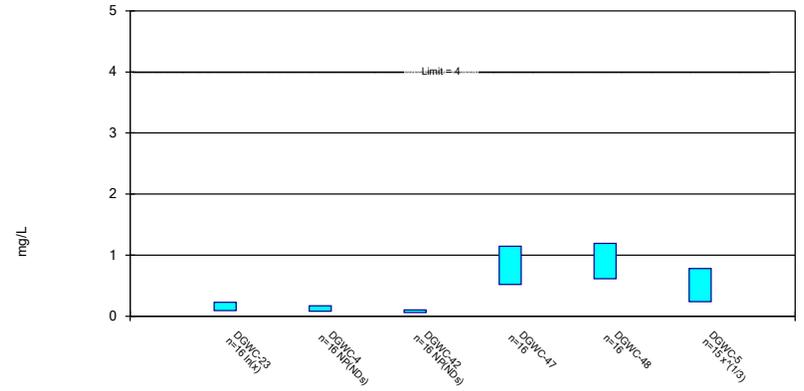
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride, total Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

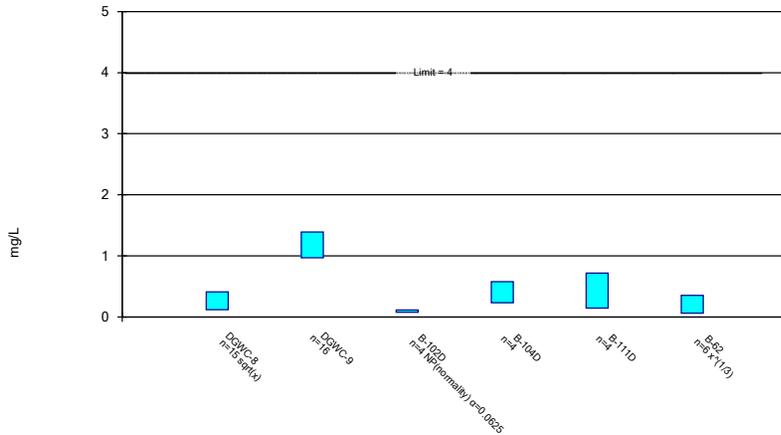
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride, total Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

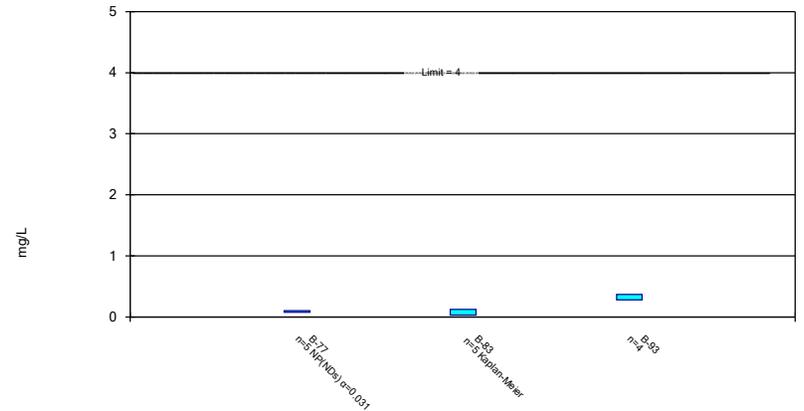
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride, total Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

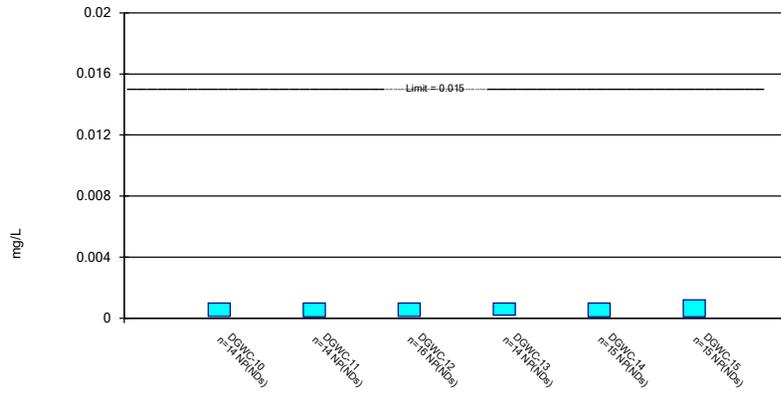
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride, total Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

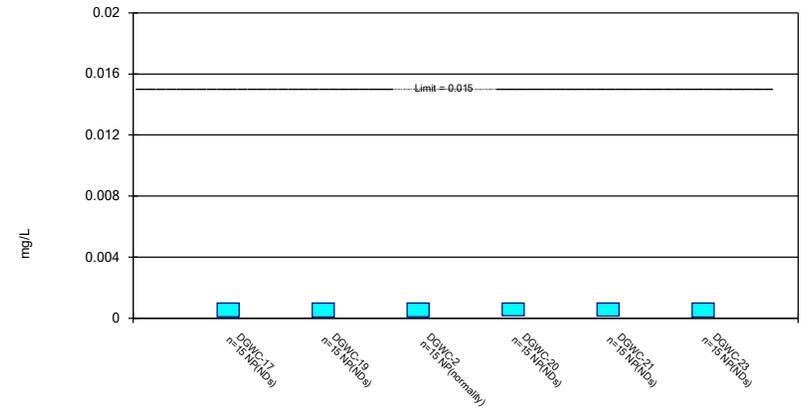
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lead Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

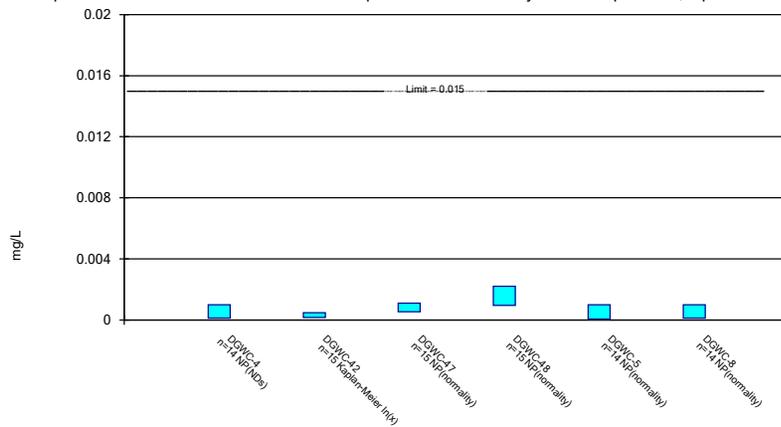
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lead Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

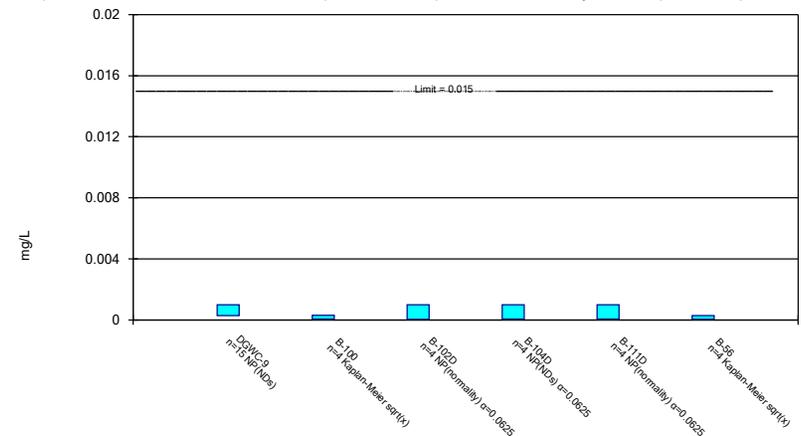
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lead Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

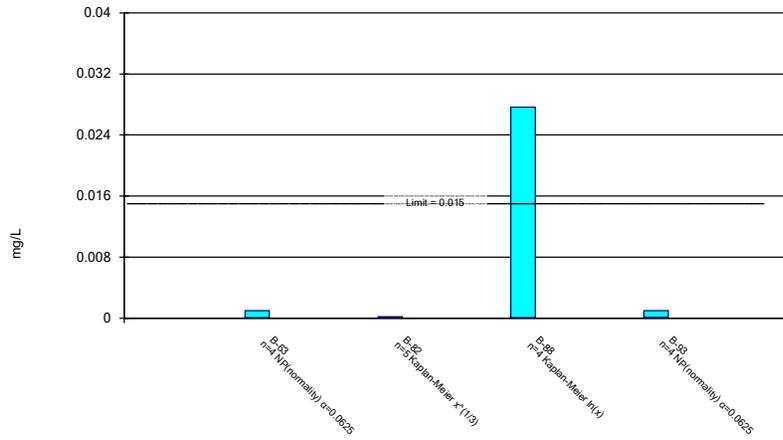
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Constituent: Lead Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

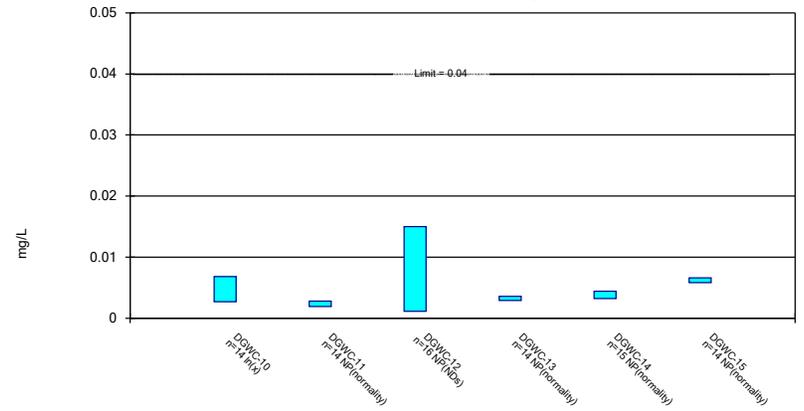
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lead Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

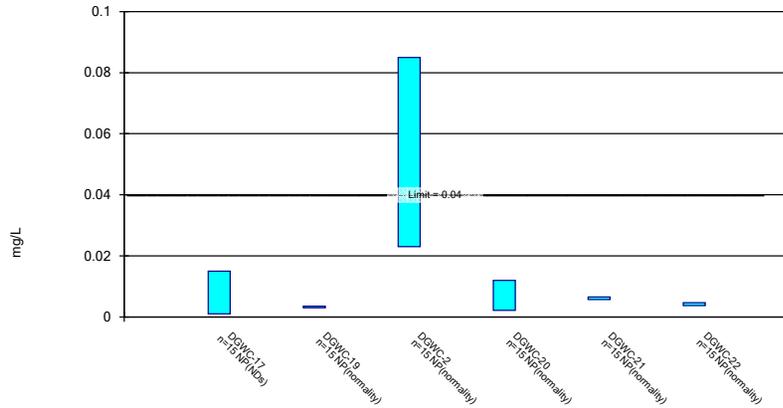
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

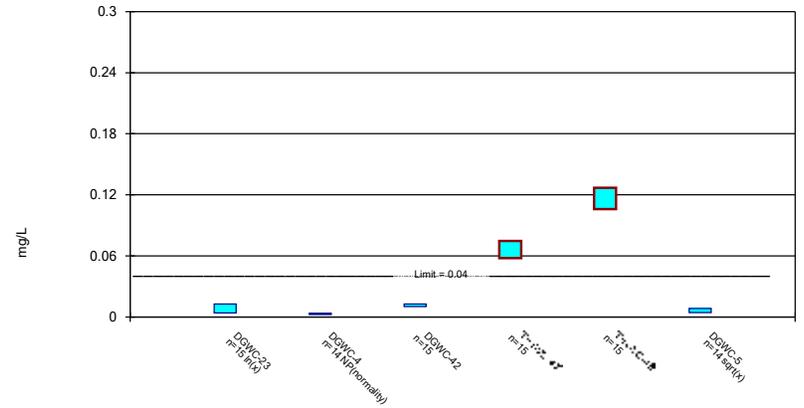
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lithium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

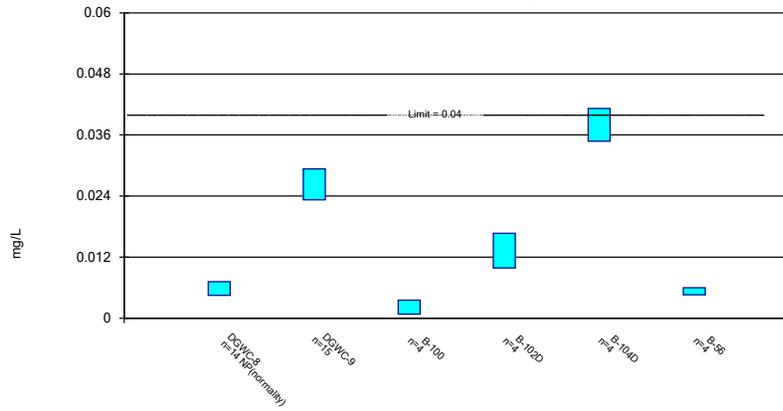
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

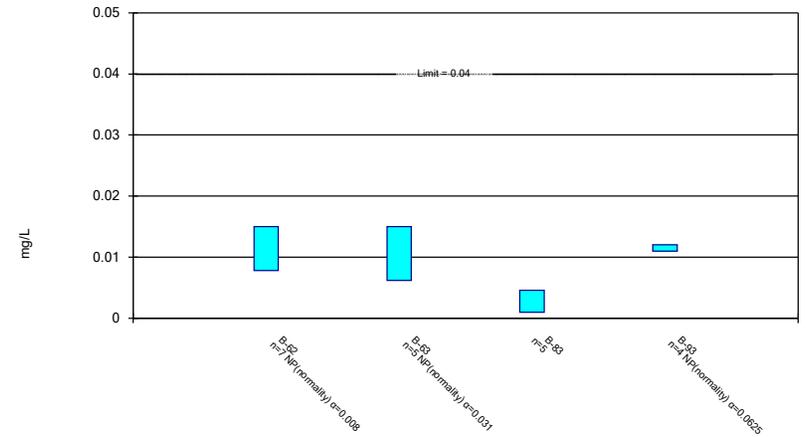
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Constituent: Lithium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

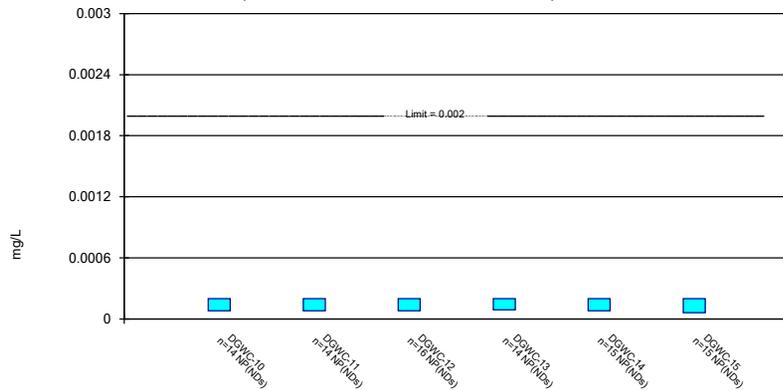
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

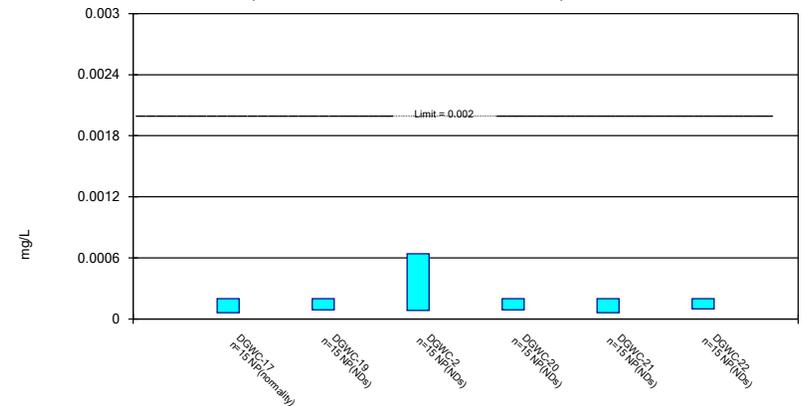
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Mercury Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

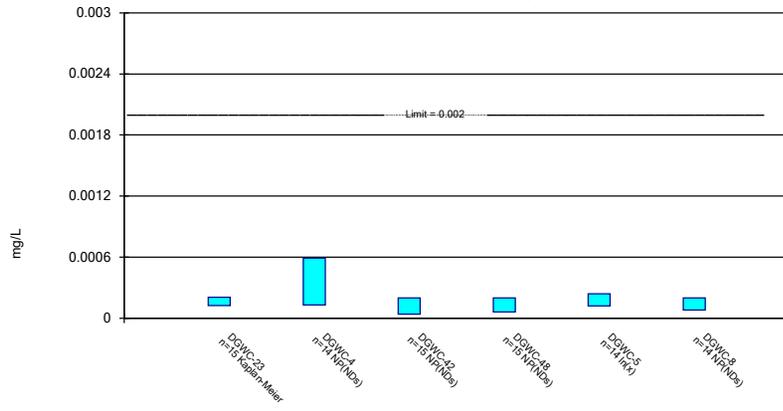
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Mercury Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

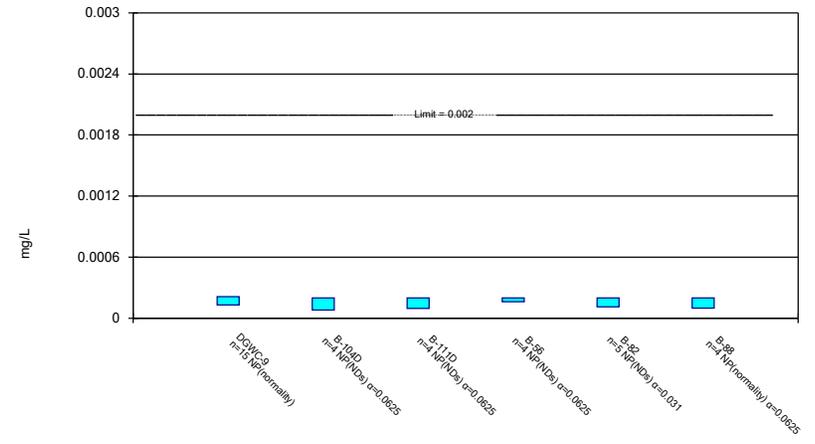
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Mercury Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

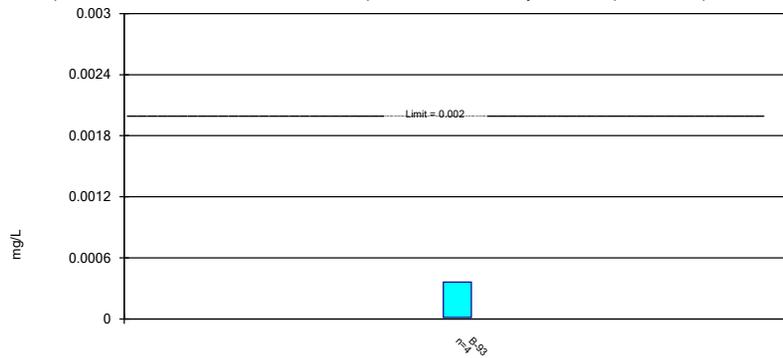
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Mercury Analysis Run 11/8/2021 2:41 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

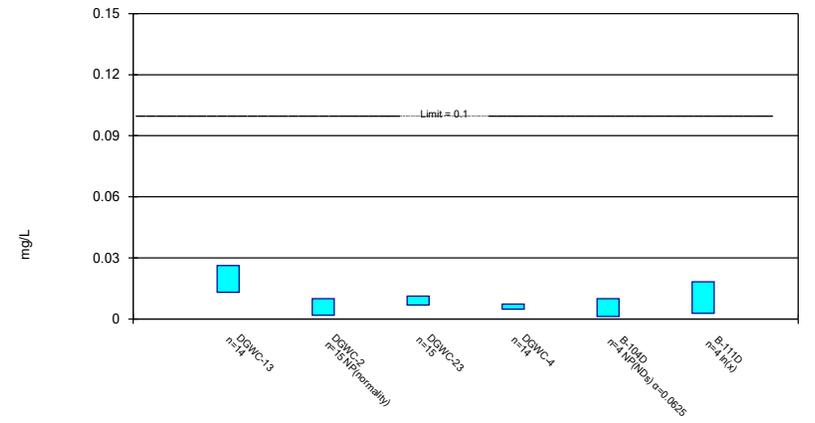
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Mercury Analysis Run 11/8/2021 2:41 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

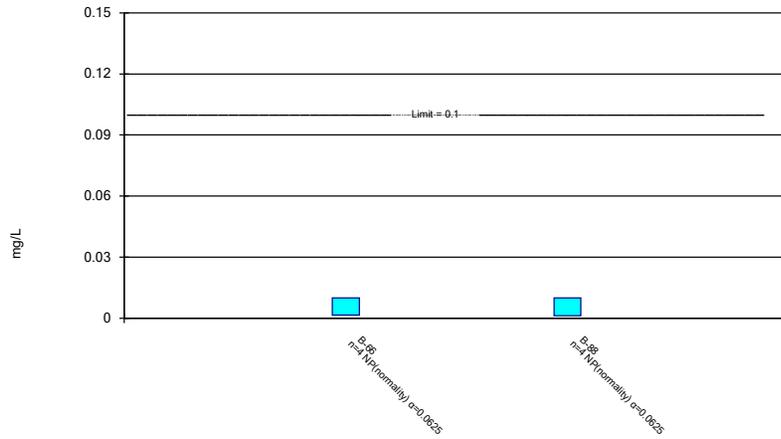
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 11/8/2021 2:41 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

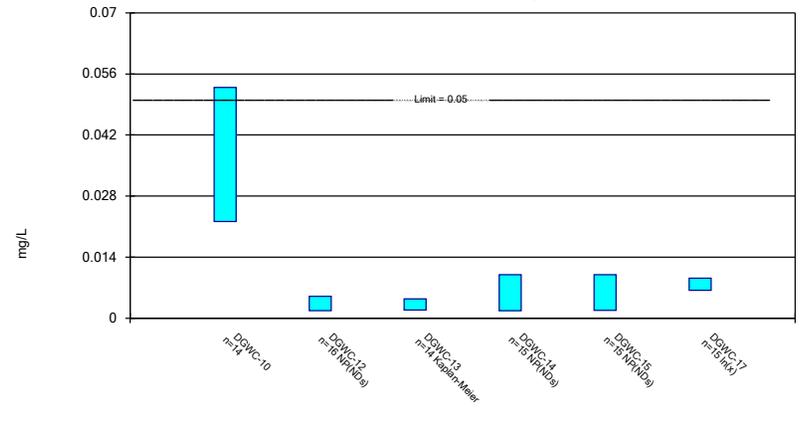
Compliance Limit is not exceeded.



Constituent: Molybdenum Analysis Run 11/8/2021 2:41 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

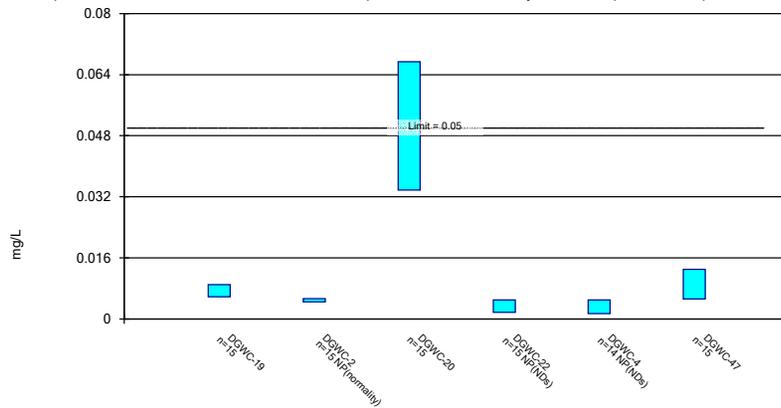
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 11/8/2021 2:41 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

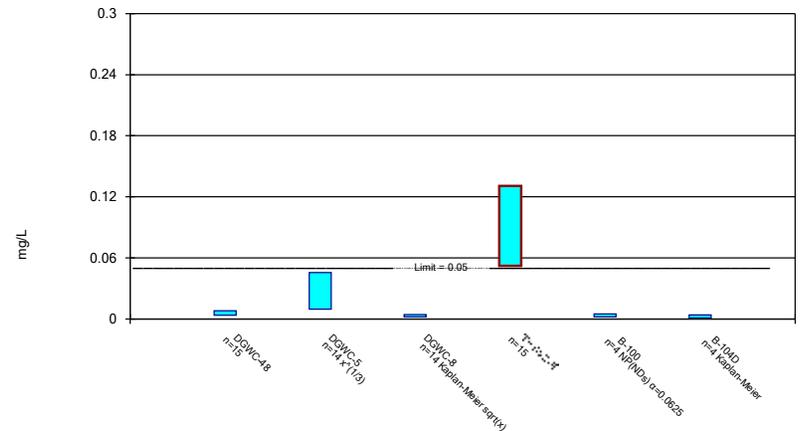
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 11/8/2021 2:41 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

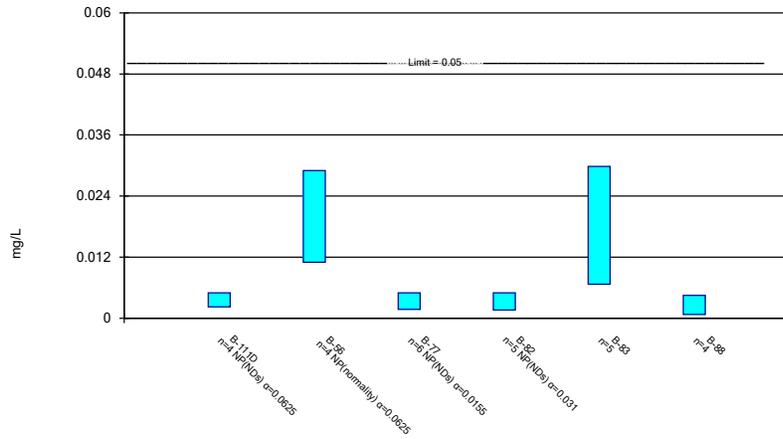
Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 11/8/2021 2:41 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

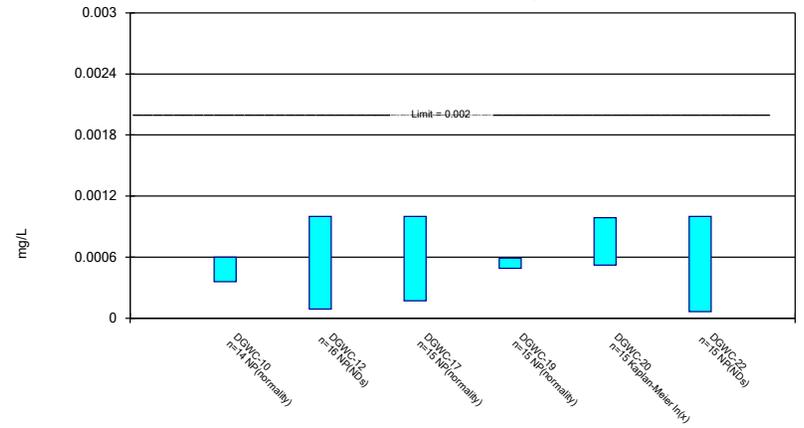
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 11/8/2021 2:41 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

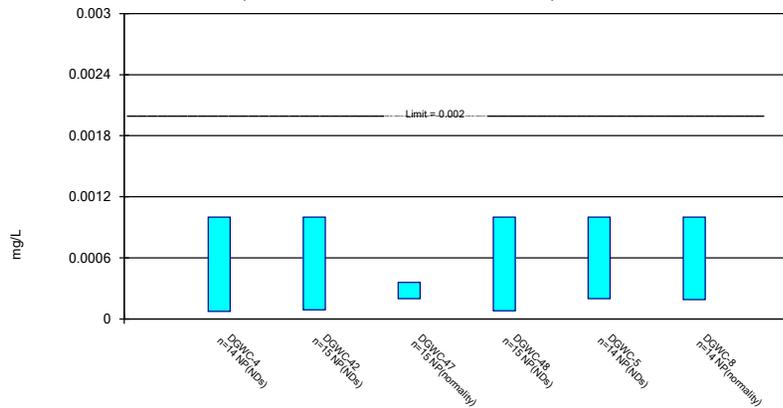
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Thallium Analysis Run 11/8/2021 2:41 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

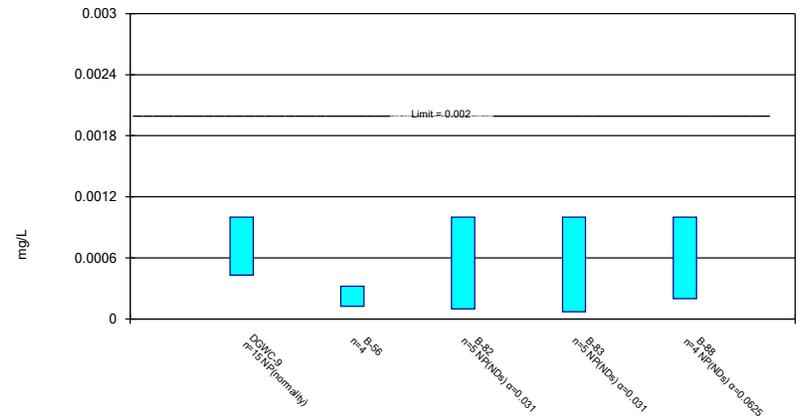
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Thallium Analysis Run 11/8/2021 2:41 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 11/8/2021 2:41 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-12	DGWC-14	DGWC-15	DGWC-17	DGWC-19	DGWC-2
8/31/2016		<0.003				
9/1/2016	<0.003				<0.003	
9/6/2016			<0.003			
9/7/2016				<0.003		
12/6/2016		<0.003				
12/7/2016	<0.003		<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		<0.003
5/11/2017						<0.003
6/15/2017						0.0006 (J)
7/11/2017						<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	<0.003	
2/27/2018	<0.003	<0.003				<0.003
2/28/2018			<0.003	<0.003	<0.003	
7/11/2018	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
11/6/2018						<0.003
11/7/2018	<0.003	<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)		<0.003	
9/17/2019	<0.003					
10/15/2019	<0.003					
10/16/2019		<0.003			<0.003	
10/17/2019			<0.003			<0.003
10/18/2019				<0.003		
3/2/2020	0.0003 (J)					
3/3/2020		<0.003	<0.003		<0.003	<0.003
3/4/2020				<0.003		
8/11/2020	<0.003	<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)			0.00036 (J)	
9/23/2020			<0.003			<0.003
9/24/2020				0.00045 (J)		
3/2/2021		<0.003	<0.003		<0.003	<0.003
3/3/2021	<0.003			<0.003		
9/9/2021	<0.003	<0.003	<0.003		<0.003	<0.003
9/13/2021				<0.003		
Mean	0.002831	0.002873	0.002671	0.00283	0.002824	0.00284
Std. Dev.	0.000675	0.0004906	0.0008724	0.0006584	0.0006816	0.0006197
Upper Lim.	0.003	0.003	0.003	0.003	0.003	0.003
Lower Lim.	0.0003	0.0011	0.00073	0.00045	0.00036	0.0006

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-21	DGWC-23	DGWC-4	DGWC-47	DGWC-48	DGWC-5
8/31/2016						<0.003
9/1/2016				<0.003	<0.003	
9/2/2016	<0.003					
12/6/2016						<0.003
12/8/2016	<0.003			<0.003	<0.003	
3/28/2017			<0.003			<0.003
3/30/2017	<0.003	<0.003			<0.003	
3/31/2017				<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
7/12/2017	<0.003	<0.003				
7/13/2017				<0.003	<0.003	
10/24/2017			<0.003			
10/25/2017	<0.003					<0.003
10/26/2017		<0.003		<0.003	<0.003	
2/27/2018			<0.003			<0.003
2/28/2018	<0.003					
3/1/2018		<0.003		<0.003		
3/2/2018					<0.003	
7/11/2018	0.0013 (J)					
7/12/2018		<0.003		<0.003	<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
8/29/2019	<0.003	<0.003		<0.003	<0.003	
10/15/2019			<0.003			
10/16/2019						<0.003
10/17/2019	<0.003			<0.003		
10/18/2019		<0.003			<0.003	
3/2/2020			0.00058 (J)			0.00032 (J)
3/3/2020	<0.003					
3/4/2020		<0.003		<0.003	<0.003	
8/12/2020			<0.003	<0.003		<0.003
8/13/2020		<0.003			<0.003	
8/14/2020	<0.003					
9/22/2020			<0.003			<0.003
9/23/2020				0.0012 (J)	0.00039 (J)	
9/24/2020	<0.003	<0.003				
3/1/2021			0.00049 (J)			
3/2/2021						0.0015 (J)
3/3/2021	<0.003	<0.003		<0.003	<0.003	
9/9/2021	<0.003	<0.003				
9/10/2021			<0.003	<0.003	0.0018 (J)	<0.003
Mean	0.002887	0.002847	0.002491	0.00288	0.002746	0.002701
Std. Dev.	0.0004389	0.0005939	0.001014	0.0004648	0.0007213	0.0007935
Upper Lim.	0.003	0.003	0.003	0.003	0.003	0.003
Lower Lim.	0.0013	0.0007	0.0008	0.0012	0.0018	0.0015

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	B-100	B-102D	B-104D	B-111D	B-62
8/30/2016	<0.003					
12/6/2016	<0.003					
3/29/2017	<0.003					
7/11/2017	<0.003					
10/24/2017	<0.003					
2/27/2018	<0.003					
11/6/2018	<0.003					
1/30/2019						<0.003
8/28/2019	<0.003					
9/11/2019						<0.003
10/16/2019	<0.003					
10/21/2019						<0.003
3/3/2020	<0.003					
8/12/2020	<0.003					
8/13/2020						<0.003
8/17/2020		0.0013 (J)				
9/23/2020	<0.003					
9/24/2020						0.00046 (J)
9/25/2020		<0.003				
12/9/2020				0.00079 (J)	<0.003	
12/17/2020			0.0016 (J)			
1/11/2021			<0.003			
1/12/2021				0.00048 (J)	<0.003	
3/2/2021	0.00046 (J)					
3/4/2021			<0.003	0.00077 (J)		
3/5/2021					0.0006 (J)	
3/8/2021		0.0017 (J)				
3/12/2021						<0.003
9/9/2021						<0.003
9/10/2021			<0.003			
9/13/2021	<0.003	<0.003				
9/14/2021				<0.003	<0.003	
Mean	0.002819	0.00225	0.00265	0.00126	0.0024	0.002637
Std. Dev.	0.0006788	0.0008813	0.0007	0.001169	0.0012	0.00096
Upper Lim.	0.003	0.001954	0.003	0.001068	0.003	0.003
Lower Lim.	0.00046	0.001046	0.0016	0.0003847	0.0006	0.00046

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

	B-63	B-77	B-93
1/28/2019	<0.003		
9/11/2019	<0.003		
9/18/2019		<0.003	
10/22/2019	0.00066 (J)		
10/24/2019		<0.003	
8/13/2020		0.00043 (J)	
8/19/2020			<0.003
9/24/2020		0.00036 (J)	
9/28/2020			0.0014 (J)
3/4/2021		0.00063 (J)	
3/9/2021			<0.003
9/14/2021	<0.003	<0.003	
9/15/2021			<0.003
Mean	0.002415	0.001737	0.0026
Std. Dev.	0.00117	0.001387	0.0008
Upper Lim.	0.003	0.003	0.003
Lower Lim.	0.00066	0.00036	0.0014

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-10	DGWC-12	DGWC-14	DGWC-15	DGWC-17	DGWC-19
8/31/2016	0.0058		<0.005			
9/1/2016		<0.005				0.0022 (J)
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		<0.005
12/8/2016					<0.005	
3/29/2017	0.0055	<0.005	<0.005			0.002 (J)
3/30/2017				0.0006 (J)	0.0008 (J)	
7/12/2017	0.0042 (J)	<0.005	<0.005	<0.005	<0.005	0.0016 (J)
10/24/2017	0.0058					
10/25/2017		0.0006 (J)	<0.005	<0.005	0.0007 (J)	0.0022 (J)
2/27/2018	0.0105	<0.005	<0.005			
2/28/2018				<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 (J)					
11/7/2018		<0.005	<0.005	<0.005	<0.005	<0.005 (J)
8/27/2019	0.0024 (J)	<0.005	<0.005		<0.005	
8/28/2019				<0.005		0.00049 (J)
9/17/2019		<0.005				
10/15/2019	0.0078	0.00063 (J)				
10/16/2019			0.00039 (J)			0.00046 (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		<0.005
3/4/2020					0.0014 (J)	
8/11/2020	0.0028 (J)	<0.005	<0.005			0.0014 (J)
8/13/2020				0.0013 (J)		
8/14/2020					<0.005	
9/22/2020		<0.005	<0.005			0.0017 (J)
9/23/2020				<0.005		
9/24/2020	0.0078				0.0011 (J)	
3/2/2021			<0.005	<0.005		0.0013 (J)
3/3/2021		<0.005			<0.005	
3/4/2021	0.006					
9/9/2021		<0.005	<0.005	<0.005		0.0027 (J)
9/10/2021	0.0076					
9/13/2021					<0.005	
Mean	0.005386	0.004452	0.004693	0.004169	0.003395	0.002317
Std. Dev.	0.002519	0.001498	0.00119	0.001726	0.002042	0.001551
Upper Lim.	0.00717	0.005	0.005	0.005	0.005	0.002035
Lower Lim.	0.003601	0.00063	0.00039	0.0013	0.0008	0.0009847

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-2	DGWC-20	DGWC-22	DGWC-4	DGWC-42	DGWC-47
9/1/2016						0.0037 (J)
9/2/2016		0.0159	<0.005			
9/7/2016					<0.005	
12/7/2016		0.0037 (J)				
12/8/2016			<0.005		<0.005	0.0032 (J)
3/28/2017				0.0005 (J)		
3/29/2017		0.015	<0.005			
3/30/2017	<0.005					
3/31/2017					0.0007 (J)	0.0031 (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		0.0121				
7/13/2017			<0.005		<0.005	0.0018 (J)
10/24/2017	<0.005			<0.005		
10/25/2017		0.0135	<0.005		<0.005	
10/26/2017						0.0016 (J)
2/27/2018	<0.005			<0.005		
2/28/2018		0.0177	0.001 (J)		0.0011 (J)	
3/1/2018						0.0029 (J)
7/11/2018	<0.005	0.0055			<0.005	
7/12/2018			<0.005			0.0023 (J)
11/6/2018	<0.005			<0.005		
11/7/2018		0.0054	<0.005		<0.005	<0.005 (J)
8/27/2019	0.00099 (J)			<0.005		
8/28/2019					<0.005	
8/29/2019		0.0064	<0.005			0.00089 (J)
10/15/2019				<0.005		
10/17/2019	<0.005	0.0094			<0.005	0.0013 (J)
10/18/2019			<0.005			
3/2/2020				<0.005		
3/3/2020	0.0025 (J)		<0.005			
3/4/2020		0.029			<0.005	0.0012 (J)
8/11/2020	<0.005					
8/12/2020				<0.005		0.00081 (J)
8/13/2020		0.014			<0.005	
8/14/2020			<0.005			
9/22/2020		0.0063		<0.005	<0.005	
9/23/2020	<0.005					<0.005
9/24/2020			<0.005			
3/1/2021				<0.005		
3/2/2021	<0.005	0.019				
3/3/2021			<0.005		<0.005	<0.005
9/9/2021	<0.005					
9/10/2021		0.0083	<0.005	<0.005		0.0016 (J)
9/13/2021					<0.005	
Mean	0.004566	0.01208	0.004733	0.004057	0.004453	0.002627
Std. Dev.	0.00118	0.006761	0.001033	0.001875	0.001445	0.001504
Upper Lim.	0.005	0.01666	0.005	0.005	0.005	0.002647
Lower Lim.	0.0025	0.007499	0.001	0.0008	0.0011	0.001328

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-48	DGWC-5	DGWC-8	DGWC-9	B-104D	B-111D
8/30/2016			<0.005	0.0241		
8/31/2016		0.0035 (J)				
9/1/2016	<0.005					
12/6/2016		0.0032 (J)	<0.005	<0.005		
12/8/2016	<0.005					
3/28/2017		0.0385		0.0243		
3/29/2017			0.001 (J)			
3/30/2017	0.0015 (J)					
7/11/2017		0.0203	0.0012 (J)	0.0194		
7/13/2017	0.0012 (J)					
10/24/2017			0.0015 (J)	0.0249		
10/25/2017		0.0119				
10/26/2017	0.0008 (J)					
2/27/2018		0.0094	0.002 (J)	0.0405		
3/2/2018	0.0017 (J)					
7/11/2018				0.016		
7/12/2018	0.0015 (J)					
11/6/2018		<0.005	<0.005	0.017		
11/7/2018	<0.005					
8/27/2019		<0.005		0.021		
8/28/2019			<0.005			
8/29/2019	<0.005					
10/16/2019		0.0036 (J)	<0.005			
10/17/2019				0.033		
10/18/2019	0.00079 (J)					
3/2/2020		0.0052				
3/3/2020			0.00096 (J)	0.015		
3/4/2020	0.0006 (J)					
8/11/2020				0.022		
8/12/2020		0.002 (J)	<0.005			
8/13/2020	<0.005					
9/22/2020		0.0062		0.04		
9/23/2020	<0.005		<0.005			
12/9/2020				<0.005	<0.005	
1/12/2021				<0.005	<0.005	
3/2/2021		0.0013 (J)	<0.005	0.021		
3/3/2021	<0.005					
3/4/2021				0.0025 (J)		
3/5/2021					0.0023 (J)	
9/10/2021	<0.005	0.0031 (J)		0.031		
9/13/2021			<0.005			
9/14/2021					0.0019 (J)	0.0029 (J)
Mean	0.003206	0.008443	0.00369	0.02361	0.0036	0.0038
Std. Dev.	0.002005	0.009971	0.001839	0.009468	0.001635	0.001407
Upper Lim.	0.005	0.0118	0.005	0.03003	0.002881	0.003281
Lower Lim.	0.0008	0.002817	0.0012	0.0172	0.001519	0.001919

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

	B-56	B-77	B-93
9/18/2019		<0.005	
10/24/2019		0.0029 (J)	
8/13/2020		0.002 (J)	
8/17/2020	0.0032 (J)		
8/19/2020			0.0013 (J)
9/24/2020		0.0025 (J)	
9/28/2020	0.0047 (J)		0.0027 (J)
3/3/2021	0.003 (J)		
3/4/2021		0.002 (J)	
3/9/2021			<0.005
9/13/2021	0.0031 (J)		
9/14/2021		<0.005	
9/15/2021			<0.005
Mean	0.0035	0.003233	0.0035
Std. Dev.	0.0008042	0.001409	0.001824
Upper Lim.	0.0047	0.002882	0.003589
Lower Lim.	0.003	0.001869	0.0004108

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/8/2021 2:54 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	0.0321	0.0545			0.0576	
9/1/2016			0.0254			
9/6/2016				0.0297		0.0497
12/6/2016	0.029	0.0564			0.0608	
12/7/2016			0.0241	0.0266		0.0469
3/29/2017	0.0335	0.0565	0.0268		0.0693	
3/30/2017				0.0308		0.0495
7/12/2017	0.0314	0.0572	0.0262	0.0291	0.0585	0.0517
10/24/2017	0.0317	0.0596				
10/25/2017			0.0268		0.0563	0.0474
11/15/2017				0.0309		
2/27/2018	0.028	0.0672	0.0255		0.0591	
2/28/2018				<0.01		0.0455
7/11/2018			0.026		0.061	0.05
11/6/2018	0.025	0.074				
11/7/2018			0.028	0.034	0.055	0.042
8/27/2019	0.021	0.071	0.024		0.059	
8/28/2019				0.033		0.047
9/17/2019			0.02			
10/15/2019	0.024	0.064	0.02			
10/16/2019				0.034	0.059	
10/17/2019						0.046
3/2/2020		0.071	0.04			
3/3/2020	0.024			0.035	0.064	0.05
8/11/2020	0.024	0.064	0.028		0.061	
8/12/2020				0.032		
8/13/2020						0.06
9/22/2020		0.058	0.036		0.06	
9/23/2020				0.03		0.043
9/24/2020	0.021					
3/2/2021		0.052		0.03	0.064	0.043
3/3/2021			0.035			
3/4/2021	0.025					
9/9/2021		0.054	0.04	0.027	0.059	0.041
9/10/2021	0.019					
Mean	0.02634	0.06139	0.02824	0.02908	0.06024	0.04751
Std. Dev.	0.004637	0.007138	0.006231	0.007369	0.003493	0.004744
Upper Lim.	0.02962	0.06644	0.03199	0.03292	0.06261	0.05073
Lower Lim.	0.02305	0.05633	0.02415	0.02732	0.05787	0.0443

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/8/2021 2:54 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		0.0214				
9/2/2016				0.0097 (J)	0.0252	0.0397
9/7/2016	0.0694					
12/7/2016		0.0191		0.0087 (J)		
12/8/2016	0.062				0.0262	0.0408
3/29/2017		0.0209		0.0094 (J)		0.0417
3/30/2017	0.0615		0.0232		0.0272	
5/11/2017			0.0231			
6/15/2017			0.0223			
7/11/2017			0.0201			
7/12/2017	0.0532	0.0212		0.0099 (J)	0.0276	
7/13/2017						0.0376
10/24/2017			0.0206			
10/25/2017	0.0544	0.021		0.0096 (J)	0.0262	0.0384
2/27/2018			0.0207			
2/28/2018	0.0527	0.0213		<0.01	0.027	0.0353
7/11/2018	0.053	0.023	0.022	0.01	0.027	
7/12/2018						0.036
11/6/2018			0.021			
11/7/2018	0.044	0.024		0.011	0.024	0.031
8/27/2019	0.05		0.023			
8/28/2019		0.026				
8/29/2019				0.018	0.027	0.031
10/16/2019		0.024				
10/17/2019			0.022	0.015	0.027	
10/18/2019	0.045					0.032
3/3/2020		0.028	0.022		0.027	0.035
3/4/2020	0.044			0.017		
8/11/2020		0.027	0.022			
8/13/2020				0.019		
8/14/2020	0.046				0.027	0.035
9/22/2020		0.026		0.011		
9/23/2020			0.023			
9/24/2020	0.033				0.024	0.031
3/2/2021		0.026	0.023	0.021		
3/3/2021	0.036				0.024	0.031
9/9/2021		0.025	0.022		0.023	
9/10/2021				0.0098		0.027
9/13/2021	0.031					
Mean	0.04901	0.02359	0.022	0.01227	0.02596	0.03483
Std. Dev.	0.01083	0.002686	0.001	0.004566	0.001505	0.004281
Upper Lim.	0.05635	0.02541	0.02268	0.01537	0.0272	0.03773
Lower Lim.	0.04167	0.02177	0.02132	0.009179	0.024	0.03193

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/8/2021 2:54 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						0.0266 (O)
9/1/2016				0.0162	0.0157	
9/7/2016			0.0194			
12/6/2016						0.0186
12/8/2016			0.0189	0.0247	0.0155	
3/28/2017		0.0363				0.0187
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)
7/12/2017	0.0186					
7/13/2017			0.021	0.0165	0.014	
10/24/2017		0.0351				
10/25/2017			0.0196			0.0175
10/26/2017	0.0176			0.0152	0.0117	
2/27/2018		0.0364				0.0172
2/28/2018			0.0171			
3/1/2018	0.0164			0.0164		
3/2/2018					0.0131	
7/11/2018			0.02			
7/12/2018	0.022			0.015	0.013	
11/6/2018		0.035				0.016
11/7/2018			0.017	0.02	0.014	
11/8/2018	0.022					
8/27/2019		0.036				0.017
8/28/2019			0.018			
8/29/2019	0.025			0.018	0.014	
10/15/2019		0.033				
10/16/2019						0.02
10/17/2019			0.018	0.019		
10/18/2019	0.019				0.014	
3/2/2020		0.036				0.018
3/4/2020	0.032		0.015	0.017	0.014	
8/12/2020		0.036		0.016		0.017
8/13/2020	0.027		0.027		0.013	
9/22/2020		0.03	0.016			0.017
9/23/2020				0.014	0.013	
9/24/2020	0.02					
3/1/2021		0.039				
3/2/2021						0.017
3/3/2021	0.019		0.015	0.02	0.014	
9/9/2021	0.021					
9/10/2021		0.032		0.021	0.013	0.015
9/13/2021			0.014			
Mean	0.02113	0.03419	0.01836	0.01786	0.01367	0.01742
Std. Dev.	0.004092	0.002802	0.003153	0.002794	0.001016	0.001247
Upper Lim.	0.0236	0.03617	0.0205	0.01975	0.01436	0.01834
Lower Lim.	0.01844	0.0322	0.01622	0.01597	0.01298	0.01649

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-102D	B-104D	B-111D	B-56
8/30/2016	0.0435	0.0162				
12/6/2016	0.0431	0.0138				
3/28/2017		0.017				
3/29/2017	0.044					
7/11/2017	0.0389	0.0154 (J)				
10/24/2017	0.0369	0.0148				
2/27/2018	0.0346	0.0148				
7/11/2018		0.017				
11/6/2018	0.027	0.015				
8/27/2019		0.016				
8/28/2019	0.025					
10/16/2019	0.027					
10/17/2019		0.015				
3/3/2020	0.026	0.016				
8/11/2020		0.016				
8/12/2020	0.034					
8/17/2020						0.03
9/22/2020		0.015				
9/23/2020	0.025					
9/28/2020						0.026
12/9/2020				0.026	0.027	
12/17/2020			0.022			
1/11/2021			0.024			
1/12/2021				0.022	0.027	
3/2/2021	0.029	0.017				
3/3/2021						0.028
3/4/2021			0.022	0.021		
3/5/2021					0.038	
9/10/2021		0.014	0.02			
9/13/2021	0.019					0.026
9/14/2021				0.021	0.043	
Mean	0.03236	0.01553	0.022	0.0225	0.03375	0.0275
Std. Dev.	0.008048	0.00103	0.001633	0.00238	0.008057	0.001915
Upper Lim.	0.03806	0.01623	0.02571	0.026	0.05204	0.03185
Lower Lim.	0.02666	0.01484	0.01829	0.021	0.01546	0.02315

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	B-62	B-63	B-66	B-77	B-82	B-83
1/28/2019		0.028				
1/30/2019	0.018		0.016			
9/11/2019	0.023	0.021				
9/12/2019			0.017			
9/18/2019				0.086		
9/23/2019					0.031	
10/21/2019	0.026		0.018		0.03	0.034
10/22/2019		0.021				
10/24/2019				0.1		
8/13/2020	0.026			0.11		
8/14/2020						0.056
8/17/2020					0.024	
9/24/2020	0.025			0.12		
9/25/2020						0.027
9/28/2020					0.023	
3/4/2021				0.11		0.032
3/12/2021	0.027					
9/9/2021	0.021					
9/14/2021		0.026	0.018	0.12	0.022	
9/16/2021						0.03
Mean	0.02371	0.024	0.01725	0.1077	0.026	0.0358
Std. Dev.	0.003251	0.003559	0.0009574	0.01299	0.004183	0.01158
Upper Lim.	0.02758	0.03208	0.01942	0.1255	0.03301	0.05537
Lower Lim.	0.01985	0.01592	0.01508	0.08983	0.01899	0.02029

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

	B-88	B-93
8/17/2020	0.022	
8/19/2020		0.018
9/25/2020	0.021	
9/28/2020		0.017
3/5/2021	0.022	
3/9/2021		0.016 (J)
9/13/2021	0.016	
9/15/2021		0.016
Mean	0.02025	0.01675
Std. Dev.	0.002872	0.0009574
Upper Lim.	0.02418	0.01892
Lower Lim.	-0.01405	0.01458

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 2:54 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	<0.0005				
9/1/2016			0.0002 (J)			
9/6/2016				<0.0005	<0.0005	
9/7/2016						0.0006 (J)
12/6/2016	0.0048	<0.0005				
12/7/2016			0.0002 (J)	<0.0005	<0.0005	
12/8/2016						0.0005 (J)
3/29/2017	0.0048	<0.0005	0.0002 (J)			
3/30/2017				7E-05 (J)	<0.0005	0.0006 (J)
7/12/2017	0.0046	<0.0005	0.0002 (J)	<0.0005	<0.0005	0.0005 (J)
10/24/2017	0.0048	<0.0005				
10/25/2017			0.0002 (J)		<0.0005	0.0005 (J)
11/15/2017				<0.0005		
2/27/2018	0.0106	<0.0005	<0.0005			
2/28/2018				<0.0005	<0.0005	<0.0005
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)	<0.0005
8/27/2019	0.0092	0.00014 (J)	0.00028 (J)			0.00066 (J)
8/28/2019				<0.0005	<0.0005	
9/17/2019			0.00049 (J)			
10/15/2019	0.01	0.00012 (J)	0.00016 (J)			
10/16/2019				<0.0005		
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			<0.0005	<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
Mean	0.007443	0.0004964	0.0003943	0.0005256	0.0006185	0.0005727
Std. Dev.	0.002492	0.0007432	0.0007051	0.000742	0.0006715	6.808E-05
Upper Lim.	0.009208	0.003	0.00049	0.003	0.003	0.0006188
Lower Lim.	0.005678	0.00013	0.00011	7E-05	0.00022	0.0005265

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 2:54 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						<0.0005
2/28/2018	<0.0005	<0.0005	<0.0005	<0.0005		
3/1/2018					<0.0005	
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)
Mean	0.001907	0.003673	0.000374	0.000376	0.000618	0.0004279
Std. Dev.	0.0004978	0.002056	0.0007325	0.0007316	0.0006665	0.0007463
Upper Lim.	0.0021	0.004866	0.0005	0.0005	0.0005	0.00028
Lower Lim.	0.0017	0.002215	0.0001	0.00014	0.00038	0.00019

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 2:54 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	<0.0005					
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	
Mean	0.002333	0.01091	0.00838	0.007443	0.002443	0.005413
Std. Dev.	0.0006576	0.002797	0.00126	0.001758	0.00107	0.000712
Upper Lim.	0.002738	0.01281	0.009234	0.008688	0.003201	0.005896
Lower Lim.	0.002049	0.009018	0.007526	0.006197	0.001685	0.004931

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	B-100	B-102D	B-104D	B-56	B-62	B-63
10/6/2016					9E-05 (J)	
10/7/2016						0.0004 (J)
2/19/2018						0.00049 (J)
1/28/2019						<0.0005
1/30/2019					<0.0005	
9/11/2019					0.00012 (J)	0.00035 (J)
10/21/2019					7.8E-05 (J)	
10/22/2019						0.0003 (J)
8/13/2020					0.00011 (J)	
8/17/2020	0.0004 (J)			0.0013 (J)		
9/24/2020					0.00013 (J)	
9/25/2020	0.00035 (J)					
9/28/2020				0.0012 (J)		
12/9/2020			0.0013 (J)			
12/17/2020		0.0014 (J)				
1/11/2021		0.0013 (J)				
1/12/2021			0.0015 (J)			
3/3/2021				0.0011		
3/4/2021		0.0012	0.0015			
3/8/2021	0.00046 (J)					
3/12/2021					<0.0005	
9/9/2021					0.00014 (J)	
9/10/2021		0.0011				
9/13/2021	0.00053			0.0012		
9/14/2021			0.0011			0.00042 (J)
Mean	0.000435	0.00125	0.00135	0.0012	0.0002085	0.00041
Std. Dev.	7.767E-05	0.0001291	0.0001915	8.165E-05	0.000181	7.797E-05
Upper Lim.	0.0006113	0.001543	0.001785	0.001385	0.0005	0.0004803
Lower Lim.	0.0002587	0.0009569	0.0009153	0.001015	7.8E-05	0.0003037

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	B-77	B-82	B-83	B-93	B-98
9/18/2019	0.00011 (J)				
9/23/2019		0.0015 (J)			
10/21/2019		0.0011 (J)	0.00039 (J)		
10/24/2019	<0.0005				
12/19/2019				0.0069	
2/17/2020					<0.0005
2/27/2020					<0.0005
8/13/2020	0.00014 (J)				
8/14/2020			0.0007 (J)		
8/17/2020		0.0014 (J)			
8/19/2020				0.015	
9/24/2020	5.3E-05 (J)				
9/25/2020			0.00028 (J)		
9/28/2020		0.0015 (J)		0.015	
3/4/2021	5.7E-05 (J)		0.00037 (J)		
3/9/2021				0.017	
3/15/2021					<0.0005
9/14/2021	<0.0005	0.0017			
9/15/2021				0.015	0.00087
9/16/2021			0.00028 (J)		
Mean	0.0002267	0.00144	0.000404	0.01378	0.0005925
Std. Dev.	0.0002142	0.0002191	0.000173	0.003942	0.000185
Upper Lim.	0.0001464	0.001807	0.0006999	0.01805	0.00087
Lower Lim.	4.658E-05	0.001073	0.0001718	0.006467	0.0005

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 11/8/2021 2:54 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	0.0012	<0.0005				
9/1/2016			0.0004 (J)			
9/6/2016				<0.0005	<0.0005	
9/7/2016						0.0003 (J)
12/6/2016	0.0013	<0.0005				
12/7/2016			0.0003 (J)	0.0002 (J)	9E-05 (J)	
12/8/2016						0.0003 (J)
3/29/2017	0.0013	<0.0005	0.0003 (J)			
3/30/2017				8E-05 (J)	9E-05 (J)	0.0003 (J)
7/12/2017	0.0013	<0.0005	0.0004 (J)	<0.0005	<0.0005	0.0002 (J)
10/24/2017	0.0014	<0.0005				
10/25/2017			0.0004 (J)		<0.0005	0.0002 (J)
11/15/2017				<0.0005		
2/27/2018	0.001	<0.0005	<0.0005			
2/28/2018				<0.0005	<0.0005	<0.0005
7/11/2018			0.00033 (J)		<0.0005	0.00029 (J)
11/6/2018	0.0012	<0.0005				
11/7/2018			<0.001 (J)	<0.0005	<0.001 (J)	<0.0005
8/27/2019	0.00077 (J)	0.00012 (J)	0.00037 (J)			0.00033 (J)
8/28/2019				<0.0005	<0.0005	
9/17/2019			0.00035 (J)			
10/15/2019	0.00095 (J)	<0.0005	0.00025 (J)			
10/16/2019				<0.0005		
10/17/2019					<0.0005	
10/18/2019						0.00029 (J)
3/2/2020		<0.0005	<0.0005			
3/3/2020	0.00095 (J)			<0.0005	0.00012 (J)	
3/4/2020						0.00028 (J)
8/11/2020	0.00071 (J)	<0.0005	0.00038 (J)			
8/12/2020				<0.0005		
8/13/2020					0.00013 (J)	
8/14/2020						0.00029 (J)
9/22/2020		0.00016 (J)	0.00017 (J)			
9/23/2020				<0.0005	<0.0005	
9/24/2020	0.00055 (J)					0.00024 (J)
3/2/2021		0.00013 (J)		<0.0005	<0.0005	
3/3/2021			0.00016 (J)			0.00023 (J)
3/4/2021	0.00088					
9/9/2021		<0.0005	<0.0005	<0.0005	<0.0005	
9/10/2021	0.00061					
9/13/2021						0.00023 (J)
Mean	0.001009	0.0004221	0.0003944	0.0004486	0.0004287	0.0002987
Std. Dev.	0.0002801	0.0001549	0.0001917	0.0001328	0.0002377	9.062E-05
Upper Lim.	0.001207	0.0005	0.0003426	0.0005	0.001	0.00033
Lower Lim.	0.0008102	0.00016	0.0002257	0.0002	0.00012	0.00023

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-19	DGWC-2	DGWC-20	DGWC-21	DGWC-22	DGWC-23
9/1/2016	0.0004 (J)					
9/2/2016			0.0023	0.0006 (J)	0.0003 (J)	
12/7/2016	0.0004 (J)		0.0023			
12/8/2016				0.0006 (J)	0.0004 (J)	
3/29/2017	0.0004 (J)		0.0021		0.0004 (J)	
3/30/2017		0.0005 (J)		0.0008 (J)		0.0002 (J)
5/11/2017		0.0004 (J)				
5/12/2017						0.0003 (J)
6/15/2017		0.0003 (J)				0.0002 (J)
7/11/2017		0.0003 (J)				
7/12/2017	0.0004 (J)		0.0021	0.0006 (J)		0.0002 (J)
7/13/2017					0.0005 (J)	
10/24/2017		0.0003 (J)				
10/25/2017	0.0004 (J)		0.002	0.0005 (J)	0.0007 (J)	
10/26/2017						0.0003 (J)
2/27/2018		<0.0005				
2/28/2018	<0.0005		0.0018	<0.0005	<0.0005	
3/1/2018						<0.0005
7/11/2018	0.00039 (J)	0.00018 (J)	0.0018	0.00054 (J)		
7/12/2018					0.00091 (J)	0.00028 (J)
11/6/2018		<0.001 (J)				
11/7/2018	<0.001 (J)		0.0018	<0.001 (J)	<0.001 (J)	
11/8/2018						<0.001 (J)
8/27/2019		0.00012 (J)				
8/28/2019	0.00033 (J)					
8/29/2019			0.002 (J)	0.00087 (J)	0.00053 (J)	0.00022 (J)
10/16/2019	0.00034 (J)					
10/17/2019		0.00013 (J)	0.0017 (J)	0.0006 (J)		
10/18/2019					0.00056 (J)	0.00022 (J)
3/3/2020	0.00037 (J)	0.00014 (J)		0.00063 (J)	0.00061 (J)	
3/4/2020			0.0026			0.00024 (J)
8/11/2020	0.0003 (J)	<0.0005				
8/13/2020			0.0021 (J)			0.00027 (J)
8/14/2020				0.00054 (J)	0.00057 (J)	
9/22/2020	0.00036 (J)		0.0014 (J)			
9/23/2020		0.00013 (J)				
9/24/2020				0.00073 (J)	0.00058 (J)	0.00018 (J)
3/2/2021	0.00035 (J)	<0.0005	0.0025			
3/3/2021				0.00044 (J)	0.0005	0.00015 (J)
9/9/2021	0.00037 (J)	<0.0005		0.00012 (J)		0.00019 (J)
9/10/2021			0.0012		0.00061	
Mean	0.0004207	0.0003667	0.00198	0.0006047	0.000578	0.0002967
Std. Dev.	0.0001665	0.0002335	0.0003802	0.0002024	0.0001826	0.0002115
Upper Lim.	0.0005	0.0002846	0.002238	0.0007418	0.0007017	0.0003
Lower Lim.	0.00034	0.0001314	0.001722	0.0004675	0.0004543	0.00019

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5	DGWC-8
8/30/2016						0.0019
8/31/2016					0.0002 (J)	
9/1/2016			0.0017	0.0013		
9/7/2016		0.0007 (J)				
12/6/2016					0.0004 (J)	0.0025
12/8/2016		0.0003 (J)	0.0002 (J)	0.0042		
3/28/2017	0.0006 (J)				0.0002 (J)	
3/29/2017						0.0024
3/30/2017				0.0089		
3/31/2017		0.0009 (J)	0.002			
5/12/2017	0.0006 (J)					
6/15/2017	0.0005 (J)					
7/11/2017	0.0006 (J)				0.0003 (J)	0.0021
7/13/2017		0.0008 (J)	0.0017	0.0033		
10/24/2017	0.0007 (J)					0.0029
10/25/2017		0.0005 (J)			0.0006 (J)	
10/26/2017			0.0015	0.0032		
2/27/2018	<0.0005				<0.0005	0.0029
2/28/2018		<0.0005				
3/1/2018			0.0025			
3/2/2018				0.0049		
7/11/2018		0.0024				
7/12/2018			0.0021	0.0032		
11/6/2018	<0.001 (J)				<0.001 (J)	0.0027
11/7/2018		<0.001 (J)	0.0016	0.0031		
8/27/2019	0.00072 (J)				0.00082 (J)	
8/28/2019		0.0015 (J)				0.0022 (J)
8/29/2019			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			
10/18/2019				0.0028		
3/2/2020	0.00088 (J)				0.00089 (J)	
3/3/2020						0.002 (J)
3/4/2020		0.00037 (J)	0.0017 (J)	0.0036		
8/12/2020	0.0008 (J)		0.001 (J)		0.00079 (J)	0.0021 (J)
8/13/2020		0.0013 (J)		0.0028		
9/22/2020	0.00065 (J)	0.0007 (J)			0.00072 (J)	
9/23/2020			0.0013 (J)	0.0025		0.0018 (J)
3/1/2021	0.00085					
3/2/2021					0.00075	0.0017
3/3/2021		0.00038 (J)	0.0016	0.0033		
9/10/2021	0.0009		0.0014	0.0028	0.00093	
9/13/2021		0.00042 (J)				0.002
Mean	0.0007193	0.0008233	0.001713	0.003527	0.0006279	0.002243
Std. Dev.	0.0001538	0.0005572	0.0006896	0.001682	0.0002677	0.0003857
Upper Lim.	0.0008282	0.001109	0.002181	0.0042	0.0008175	0.002516
Lower Lim.	0.0006103	0.0004679	0.001246	0.0025	0.0004382	0.00197

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-9	B-100	B-102D	B-56	B-63	B-82
8/30/2016	0.0004 (J)					
12/6/2016	0.0005 (J)					
3/28/2017	0.0005 (J)					
7/11/2017	0.0005 (J)					
10/24/2017	0.0006 (J)					
2/27/2018	<0.0005					
7/11/2018	0.00067 (J)					
11/6/2018	<0.001 (J)					
1/28/2019					<0.0005	
8/27/2019	0.00071 (J)					
9/11/2019					<0.0005	
9/23/2019						0.00044 (J)
10/17/2019	0.00064 (J)					
10/21/2019						0.00035 (J)
10/22/2019					0.00014 (J)	
3/3/2020	0.00059 (J)					
8/11/2020	0.00059 (J)					
8/17/2020		0.00059 (J)		0.00029 (J)		0.00058 (J)
9/22/2020	0.00059 (J)					
9/25/2020		0.00027 (J)				
9/28/2020				0.00024 (J)		0.00066 (J)
12/17/2020			0.00067 (J)			
1/11/2021			0.0008 (J)			
3/2/2021	0.00057					
3/3/2021				0.00026 (J)		
3/4/2021			0.00081			
3/8/2021		0.00027 (J)				
9/10/2021	0.00053		0.00083			
9/13/2021		0.00029 (J)		0.00028 (J)		
9/14/2021					0.00025 (J)	0.0007
Mean	0.0005927	0.000355	0.0007775	0.0002675	0.0003475	0.000546
Std. Dev.	0.0001373	0.000157	7.274E-05	2.217E-05	0.0001817	0.0001479
Upper Lim.	0.0006732	0.00059	0.0009243	0.0003178	0.0003199	0.0007939
Lower Lim.	0.0005032	0.00027	0.0006021	0.0002172	7.013E-05	0.0002981

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

	B-83	B-88	B-93
10/21/2019	0.00041 (J)		
8/14/2020	0.00037 (J)		
8/17/2020		0.0018 (J)	
8/19/2020			0.00077 (J)
9/25/2020	0.00026 (J)	0.00022 (J)	
9/28/2020			0.00074 (J)
3/4/2021	0.00032 (J)		
3/5/2021		0.0065	
3/9/2021			0.00075 (J)
9/13/2021		0.0013	
9/15/2021			0.00088
9/16/2021	0.0003 (J)		
Mean	0.000332	0.002455	0.000785
Std. Dev.	5.891E-05	0.002776	6.455E-05
Upper Lim.	0.0004307	0.008758	0.0009316
Lower Lim.	0.0002333	-0.003848	0.0006384

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 2:54 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	<0.005	<0.005				
9/1/2016			<0.005			
9/6/2016				<0.005	<0.005	
9/7/2016						0.0026 (J)
12/6/2016	<0.005	<0.005				
12/7/2016			<0.005	<0.005	<0.005	
12/8/2016						0.0025 (J)
3/29/2017	0.0008 (J)	<0.005	<0.005			
3/30/2017				0.0009 (J)	0.0005 (J)	0.0026 (J)
7/12/2017	0.0006 (J)	<0.005	<0.005	<0.005	<0.005	0.0022 (J)
10/24/2017	0.0007 (J)	<0.005				
10/25/2017			<0.005		<0.005	0.0024 (J)
11/15/2017				<0.005		
2/27/2018	<0.005	<0.005	<0.005			
2/28/2018				<0.005	<0.005	<0.005
7/11/2018			<0.005		<0.005	0.0024 (J)
11/6/2018	<0.005	<0.005				
11/7/2018			<0.005	<0.005	<0.01 (J)	<0.005
8/27/2019	0.00083 (J)	0.0006 (J)	<0.005			0.0031 (J)
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)	
10/18/2019						0.0027 (J)
3/2/2020		0.0006 (J)	<0.005			
3/3/2020	0.00092 (J)			0.00066 (J)	0.00046 (J)	
3/4/2020						0.0035 (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)	
8/14/2020						0.0033 (J)
9/22/2020		0.00058 (J)	<0.005			
9/23/2020				0.00059 (J)	<0.005	
9/24/2020	0.001 (J)					0.0029 (J)
3/2/2021		<0.005		<0.005	<0.005	
3/3/2021			0.00099 (J)			0.0028 (J)
3/4/2021	0.0009 (J)					
9/9/2021		<0.005	<0.005	<0.005	<0.005	
9/10/2021	<0.005					
9/13/2021						0.0027 (J)
Mean	0.002321	0.003742	0.004496	0.003778	0.004423	0.003047
Std. Dev.	0.002074	0.002064	0.001378	0.002006	0.002397	0.0008651
Upper Lim.	0.005	0.005	0.005	0.005	0.01	0.0035
Lower Lim.	0.00078	0.0006	0.00099	0.00074	0.00058	0.0024

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-19	DGWC-2	DGWC-20	DGWC-21	DGWC-22	DGWC-23
9/1/2016	0.0031 (J)					
9/2/2016			0.0017 (J)	<0.005	0.0012 (J)	
12/7/2016	<0.005		<0.005			
12/8/2016				<0.005	<0.005	
3/29/2017	0.0025 (J)		0.0016 (J)		<0.005	
3/30/2017		0.0005 (J)		0.0005 (J)		0.0012 (J)
5/11/2017		0.0005 (J)				
5/12/2017						0.0004 (J)
6/15/2017		<0.005				0.0005 (J)
7/11/2017		<0.005				
7/12/2017	0.0023 (J)		<0.005	0.0006 (J)		0.0007 (J)
7/13/2017					<0.005	
10/24/2017		<0.005				
10/25/2017	0.0024 (J)		0.0015 (J)	<0.005	<0.005	
10/26/2017						0.0007 (J)
2/27/2018		<0.005				
2/28/2018	<0.005		<0.005	<0.005	<0.005	
3/1/2018						<0.005
7/11/2018	0.0022 (J)	<0.005	<0.005	<0.005		
7/12/2018					<0.005	<0.005
11/6/2018		<0.005				
11/7/2018	<0.01 (J)		<0.01 (J)	<0.005	<0.005	
11/8/2018						<0.005
8/27/2019		0.0004 (J)				
8/28/2019	0.0028 (J)					
8/29/2019			0.0017 (J)	0.00041 (J)	<0.005	<0.005
10/16/2019	0.0024 (J)					
10/17/2019		0.00046 (J)	0.0015 (J)	<0.005		
10/18/2019					<0.005	0.00041 (J)
3/3/2020	0.0028 (J)	<0.005		0.00048 (J)	<0.005	
3/4/2020			0.0032 (J)			0.00081 (J)
8/11/2020	0.0024 (J)	0.00067 (J)				
8/13/2020			0.0023 (J)			0.00085 (J)
8/14/2020				<0.005	<0.005	
9/22/2020	0.003 (J)		0.0013 (J)			
9/23/2020		<0.005				
9/24/2020				0.00096 (J)	<0.005	0.00084 (J)
3/2/2021	0.0024 (J)	0.00064 (J)	0.0022 (J)			
3/3/2021				0.002 (J)	<0.005	0.0014 (J)
9/9/2021	0.003 (J)	<0.005		<0.005		<0.005
9/10/2021			<0.005		<0.005	
Mean	0.00342	0.003211	0.003467	0.00333	0.004747	0.002187
Std. Dev.	0.002022	0.002268	0.002385	0.002148	0.0009812	0.002075
Upper Lim.	0.005	0.005	0.002136	0.005	0.005	0.005
Lower Lim.	0.0023	0.0005	0.001443	0.0005	0.0012	0.0005

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5	DGWC-8
8/30/2016						<0.005
8/31/2016					<0.005	
9/1/2016			<0.005	<0.005		
9/7/2016		<0.005				
12/6/2016					<0.005	<0.005
12/8/2016		<0.005	<0.005	<0.005		
3/28/2017	0.0005 (J)				<0.005	
3/29/2017						0.0004 (J)
3/30/2017				<0.005		
3/31/2017		0.001 (J)	0.0007 (J)			
5/12/2017	<0.005					
6/15/2017	<0.005					
7/11/2017	<0.005				<0.005	<0.005
7/13/2017		0.0008 (J)	<0.005	0.0007 (J)		
10/24/2017	<0.005					<0.005
10/25/2017		0.0005 (J)			<0.005	
10/26/2017			<0.005	<0.005		
2/27/2018	<0.005				<0.005	<0.005
2/28/2018		<0.005				
3/1/2018			<0.005			
3/2/2018				<0.005		
7/11/2018		<0.005				
7/12/2018			<0.005	<0.005		
11/6/2018	<0.005				<0.005	<0.005
11/7/2018		<0.005	<0.005	<0.005		
8/27/2019	<0.005				<0.005	
8/28/2019		<0.005				<0.005
8/29/2019			<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			
10/18/2019				<0.005		
3/2/2020	<0.005				0.00045 (J)	
3/3/2020						0.00061 (J)
3/4/2020		0.00042 (J)	<0.005	0.0004 (J)		
8/12/2020	<0.005		<0.005		<0.005	0.0028 (J)
8/13/2020		0.0021 (J)		<0.005		
9/22/2020	<0.005	0.001 (J)			<0.005	
9/23/2020			<0.005	<0.005		0.00086 (J)
3/1/2021	<0.005					
3/2/2021					<0.005	0.0015 (J)
3/3/2021		<0.005	<0.005	<0.005		
9/10/2021	<0.005		<0.005	<0.005	<0.005	
9/13/2021		<0.005				<0.005
Mean	0.004679	0.003082	0.004713	0.004407	0.004675	0.003391
Std. Dev.	0.001203	0.002157	0.00111	0.001567	0.001216	0.002002
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.0005	0.0005	0.0007	0.0007	0.00045	0.00086

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-9	B-100	B-104D	B-56	B-62	B-63
8/30/2016	<0.005					
12/6/2016	<0.005					
3/28/2017	0.001 (J)					
7/11/2017	<0.005					
10/24/2017	<0.005					
2/27/2018	<0.005					
7/11/2018	<0.005					
11/6/2018	<0.005					
1/28/2019						<0.005
1/30/2019					<0.005	
8/27/2019	0.00048 (J)					
9/11/2019					<0.005	<0.005
10/17/2019	0.00051 (J)					
10/21/2019					0.00098 (J)	
10/22/2019						0.00064 (J)
3/3/2020	0.0057 (J)					
8/11/2020	0.00061 (J)					
8/13/2020					<0.005	
8/17/2020		<0.005		0.0014 (J)		
9/22/2020	<0.005					
9/24/2020					<0.005	
9/25/2020		0.00094 (J)				
9/28/2020				<0.005		
12/9/2020			0.0011 (J)			
1/12/2021			<0.005			
3/2/2021	0.00059 (J)					
3/3/2021				0.00059 (J)		
3/4/2021			<0.005			
3/8/2021		0.00057 (J)				
3/12/2021					<0.005	
9/9/2021					<0.005	
9/10/2021	<0.005					
9/13/2021		<0.005		<0.005		
9/14/2021			<0.005			<0.005
Mean	0.003593	0.002877	0.004025	0.002997	0.004426	0.00391
Std. Dev.	0.002173	0.002456	0.00195	0.002336	0.001519	0.00218
Upper Lim.	0.0057	0.001223	0.005	0.001914	0.005	0.005
Lower Lim.	0.00059	0.0003828	0.0011	7.551E-05	0.00098	0.00064

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

	B-77	B-82	B-88	B-93
9/18/2019	0.00068 (J)			
9/23/2019		0.0011 (J)		
10/21/2019		<0.005		
10/24/2019	<0.005			
8/13/2020	0.0021 (J)			
8/17/2020		<0.005	0.0014 (J)	
8/19/2020				0.00057 (J)
9/24/2020	0.0007 (J)			
9/25/2020			0.00085 (J)	
9/28/2020		<0.005		0.00066 (J)
3/4/2021	0.00098 (J)			
3/5/2021			0.0017 (J)	
3/9/2021				<0.005
9/13/2021			<0.005	
9/14/2021	<0.005	<0.005		
9/15/2021				<0.005
Mean	0.00241	0.00422	0.002237	0.002807
Std. Dev.	0.002072	0.001744	0.001875	0.002532
Upper Lim.	0.001858	0.005	0.002116	0.005
Lower Lim.	0.0005328	0.0011	0.0005176	0.00057

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 2:54 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	0.193	<0.005				
9/1/2016			0.0021 (J)			
9/6/2016				<0.005	0.0042 (J)	
9/7/2016						0.0247
12/6/2016	0.2	0.0006 (J)				
12/7/2016			0.0026 (J)	<0.005	0.0028 (J)	
12/8/2016						0.029
3/29/2017	0.184	<0.005	0.0026 (J)			
3/30/2017				0.0005 (J)	0.0024 (J)	0.0283
7/12/2017	0.177	<0.005	0.0033 (J)	0.0004 (J)	0.002 (J)	0.023
10/24/2017	0.175	<0.005				
10/25/2017			0.0021 (J)		0.0019 (J)	0.0259
11/15/2017				<0.005		
2/27/2018	0.2	<0.005	<0.005			
2/28/2018				<0.005	<0.005	0.02
7/11/2018			0.002 (J)		0.0018 (J)	0.025
11/6/2018	0.2	<0.005				
11/7/2018			<0.01 (J)	<0.005	0.025	<0.01 (J)
8/27/2019	0.13	0.00076 (J)	0.0021 (J)			0.031
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)	
10/18/2019						0.023
3/2/2020		0.00078 (J)	0.029			
3/3/2020	0.18			<0.005	0.0018 (J)	
3/4/2020						0.023
8/11/2020	0.11	0.00055 (J)	0.006			
8/12/2020				<0.005		
8/13/2020					0.0024 (J)	
8/14/2020						0.026
9/22/2020		0.00098 (J)	0.013			
9/23/2020				0.00038 (J)	0.0018 (J)	
9/24/2020	0.086					0.028
3/2/2021		0.00065 (J)		<0.005	0.0013 (J)	
3/3/2021			0.01			0.016
3/4/2021	0.071					
9/9/2021		0.00081 (J)	0.034	<0.005	0.0016 (J)	
9/10/2021	0.076					
9/13/2021						0.019
Mean	0.1537	0.001481	0.008125	0.002056	0.003653	0.02313
Std. Dev.	0.04866	0.0009221	0.009711	0.0008832	0.005947	0.00641
Upper Lim.	0.1888	0.0025	0.013	0.0025	0.0028	0.02716
Lower Lim.	0.1413	0.0006	0.0021	0.0005	0.0016	0.02022

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-19	DGWC-2	DGWC-20	DGWC-21	DGWC-22	DGWC-23
9/1/2016	0.0553					
9/2/2016			0.497	0.0085 (J)	0.0102	
12/7/2016	0.0561		0.614			
12/8/2016				0.0095 (J)	0.0079 (J)	
3/29/2017	0.0534		0.443		0.0097 (J)	
3/30/2017		0.0255		0.0076 (J)		<0.005
5/11/2017		0.0284				
5/12/2017						<0.005
6/15/2017		0.0238				0.0003 (J)
7/11/2017		0.0238				
7/12/2017	0.0489		0.538	0.0092 (J)		<0.005
7/13/2017					0.0106	
10/24/2017		0.0292				
10/25/2017	0.0514		0.432	0.0092 (J)	0.0094 (J)	
10/26/2017						<0.005
2/27/2018		0.042				
2/28/2018	0.0511		0.459	<0.005	<0.005	
3/1/2018						<0.005
7/11/2018	0.051	0.02	0.47	0.0097 (J)		
7/12/2018					0.011	<0.005
11/6/2018		0.024				
11/7/2018	0.048		0.42	<0.01 (J)	<0.01 (J)	
11/8/2018						<0.01 (J)
8/27/2019		0.0088				
8/28/2019	0.048					
8/29/2019			0.66	0.01	0.0094	0.00036 (J)
10/16/2019	0.046					
10/17/2019		0.0084	0.57	0.01		
10/18/2019					0.0084	<0.005
3/3/2020	0.054	0.0073		0.01	0.0098	
3/4/2020			0.84			0.00043 (J)
8/11/2020	0.049	0.0064				
8/13/2020			0.73			0.00048 (J)
8/14/2020				0.0098	0.0087	
9/22/2020	0.051		0.47			
9/23/2020		0.0062				
9/24/2020				0.01	0.01	<0.005
3/2/2021	0.051	0.0055	0.77			
3/3/2021				0.0087	0.0078	0.00039 (J)
9/9/2021	0.055	0.0048 (J)		0.0096		0.00049 (J)
9/10/2021			0.45		0.0076	
Mean	0.05128	0.01761	0.5575	0.00862	0.008533	0.00183
Std. Dev.	0.002996	0.01155	0.1355	0.002141	0.002244	0.001357
Upper Lim.	0.05331	0.0284	0.6394	0.009773	0.009945	0.005
Lower Lim.	0.04925	0.0062	0.4659	0.008552	0.007492	0.00039

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5	DGWC-8
8/30/2016						0.0568
8/31/2016					0.055	
9/1/2016			0.536	0.539		
9/7/2016		0.0695				
12/6/2016					0.0432	0.0873
12/8/2016		0.0652	0.381	0.575		
3/28/2017	0.0018 (J)				0.04	
3/29/2017						0.0902
3/30/2017				0.573		
3/31/2017		0.0524	0.354			
5/12/2017	0.0015 (J)					
6/15/2017	0.0015 (J)					
7/11/2017	0.0015 (J)				0.0351 (J)	0.0601
7/13/2017		0.0481	0.396	0.531		
10/24/2017	0.0017 (J)					0.123
10/25/2017		0.0435			0.0209	
10/26/2017			0.383	0.482		
2/27/2018	<0.005				0.024	0.126
2/28/2018		0.0167				
3/1/2018			0.401			
3/2/2018				0.49		
7/11/2018		0.019				
7/12/2018			0.36	0.46		
11/6/2018	<0.01 (J)				0.019	0.077
11/7/2018		0.02	0.35	0.48		
8/27/2019	0.0018 (J)				0.02	
8/28/2019		0.029				0.051
8/29/2019			0.28	0.42		
10/15/2019	0.0018 (J)					
10/16/2019					0.022	0.054
10/17/2019		0.03	0.26			
10/18/2019				0.41		
3/2/2020	0.0021 (J)				0.028	
3/3/2020						0.044
3/4/2020		0.014	0.28	0.42		
8/12/2020	0.0018 (J)		0.21		0.021	0.053
8/13/2020		0.025		0.35		
9/22/2020	0.0014 (J)	0.014			0.02	
9/23/2020			0.17	0.37		0.04
3/1/2021	0.002 (J)					
3/2/2021					0.021	0.033
3/3/2021		0.0087	0.2	0.36		
9/10/2021	0.0019 (J)		0.23	0.36	0.022	
9/13/2021		0.008				0.028
Mean	0.002021	0.03087	0.3194	0.4547	0.02794	0.06596
Std. Dev.	0.000904	0.02013	0.09792	0.07771	0.01109	0.03083
Upper Lim.	0.0021	0.04451	0.3858	0.5073	0.04	0.0878
Lower Lim.	0.0015	0.01723	0.253	0.402	0.02	0.04412

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-9	B-102D	B-104D	B-111D	B-56	B-62
8/30/2016	0.0896					
12/6/2016	0.122					
3/28/2017	0.124					
7/11/2017	0.136					
10/24/2017	0.151					
2/27/2018	0.163					
7/11/2018	0.18					
11/6/2018	0.2					
1/30/2019						<0.005
8/27/2019	0.24					
9/11/2019						0.0003 (J)
10/17/2019	0.21					
10/21/2019						0.00031 (J)
3/3/2020	0.2					
8/11/2020	0.22					
8/13/2020						<0.005
8/17/2020					0.042	
9/22/2020	0.16					
9/24/2020						<0.005
9/28/2020					0.042	
12/9/2020			0.17	0.00076 (J)		
12/17/2020		0.014				
1/11/2021		0.015				
1/12/2021			0.19	0.0007 (J)		
3/2/2021	0.18					
3/3/2021					0.05	
3/4/2021		0.014	0.19			
3/5/2021				0.00052 (J)		
3/12/2021						<0.005
9/9/2021						<0.005
9/10/2021	0.21	0.013				
9/13/2021					0.047	
9/14/2021			0.1	<0.005		
Mean	0.1724	0.014	0.1625	0.00112	0.04525	0.001873
Std. Dev.	0.04231	0.0008165	0.04272	0.0009256	0.003948	0.001071
Upper Lim.	0.201	0.01585	0.2361	0.0009228	0.05421	0.0025
Lower Lim.	0.1437	0.01215	-0.01451	0.0004439	0.03629	0.0003

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

	B-63	B-66	B-82	B-93
1/28/2019	0.053			
1/30/2019		<0.005		
9/11/2019	0.043			
9/12/2019		0.006		
9/23/2019			0.0038 (J)	
10/21/2019		0.0074	0.0089	
10/22/2019	0.046			
12/19/2019				0.066
8/17/2020			0.0028 (J)	
8/19/2020				0.068
9/28/2020			0.0053	0.064
3/9/2021				0.061
3/12/2021	0.046	0.01	0.0021 (J)	
9/14/2021	0.037	0.012	0.0015 (J)	
9/15/2021				0.062
Mean	0.045	0.00758	0.004067	0.0642
Std. Dev.	0.005788	0.003665	0.002721	0.002864
Upper Lim.	0.0547	0.01241	0.007804	0.069
Lower Lim.	0.0353	0.003754	0.0003291	0.0594

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 2:54 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)					
Mean	1.284	0.9694	0.8984	1.26	0.8972	1.118
Std. Dev.	0.314	0.4467	0.714	0.3303	0.303	0.8748
Upper Lim.	1.497	1.272	1.27	1.484	1.103	1.553
Lower Lim.	1.071	0.6667	0.4013	1.036	0.6919	0.551

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 2:54 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)					
Mean	0.8113	0.7733	1.168	1.21	0.8557	1.049
Std. Dev.	0.3526	0.3942	0.4067	0.4913	0.3972	0.4659
Upper Lim.	1.05	1.04	1.444	1.543	1.125	1.364
Lower Lim.	0.5723	0.5062	0.8924	0.8767	0.5866	0.733

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 2:54 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)			
Mean	1.133	1.454	0.9499	2.344	2.03	1.431
Std. Dev.	0.5259	0.3939	0.3231	0.8249	0.6435	0.6015
Upper Lim.	1.489	1.721	1.169	2.903	2.415	1.839
Lower Lim.	0.7765	1.187	0.7309	1.785	1.602	1.024

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-104D	B-111D	B-56	B-62
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				
1/30/2019						1.97 (U)
8/27/2019		1.55				
8/28/2019	0.815 (U)					
10/16/2019	0.999 (U)					
10/17/2019		0.702 (U)				
10/21/2019						1.82
3/3/2020	0.481 (U)	1.37				
8/11/2020		0.819 (U)				
8/12/2020	0.721 (U)					
8/13/2020						1.63
8/17/2020					1.15 (U)	
9/22/2020		1.15 (U)				
9/23/2020	0.8 (U)					
9/24/2020						1.28 (U)
9/28/2020					1.39	
12/9/2020			15.2	12.3		
1/12/2021			17	9.63		
3/2/2021	0.751 (U)	1.29 (U)				
3/3/2021					1.01 (U)	
3/4/2021			14.5			
3/5/2021				9.05		
3/12/2021						1.18 (U)
9/9/2021						1.7
9/10/2021		1.28				
9/13/2021	0.916 (U)				0.854 (U)	
9/14/2021			9.6	4.39		
Mean	0.6602	1.196	14.08	8.843	1.101	1.597
Std. Dev.	0.2668	0.3583	3.164	3.288	0.2275	0.3082
Upper Lim.	0.841	1.439	21.26	16.31	1.617	2.02
Lower Lim.	0.4794	0.9531	6.892	1.377	0.5846	1.173

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	B-82	B-93
10/21/2019	0.63 (U)	
8/17/2020	0.662 (U)	
8/19/2020		1.19 (U)
9/28/2020	0.747 (U)	1.54
3/9/2021		0.786 (U)
9/14/2021	1.03 (U)	
9/15/2021		1.84
Mean	0.7673	1.339
Std. Dev.	0.182	0.4544
Upper Lim.	1.18	2.371
Lower Lim.	0.3541	0.3074

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 2:54 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	0.06 (J)			0.06 (J)	
9/1/2016			0.02 (J)			
9/6/2016				0.17 (J)		0.11 (J)
12/6/2016	1.3	0.06 (J)			0.1 (J)	
12/7/2016			0.16 (J)	0.3		0.11 (J)
3/29/2017	1.5	0.04 (J)	0.1 (J)		0.02 (J)	
3/30/2017				0.12 (J)		<0.1
7/12/2017	1.7	0.03 (J)	0.2 (J)	0.13 (J)	<0.1	0.07 (J)
10/24/2017	2.1	<0.1				
10/25/2017			0.6		<0.1	0.26 (J)
11/15/2017	1.4			0.44		
2/27/2018	2.3	<0.1	0.34		<0.1	
2/28/2018				0.18		<0.1
7/11/2018			<0.1		<0.1	<0.1
11/6/2018	2	<0.1				
11/7/2018			<0.3 (J)	<0.3 (J)	<0.1	<0.1
3/12/2019	1.7	0.052 (J)	0.065 (J)			
3/13/2019				0.13 (J)	0.042 (J)	
3/14/2019						0.057 (J)
8/27/2019	1.4	<0.1	<0.1		<0.1	
8/28/2019				0.091 (J)		<0.1
10/15/2019	1.4	<0.1	<0.1			
10/16/2019				0.14 (J)	0.052 (J)	
10/17/2019						0.079 (J)
3/2/2020		0.064 (J)	0.071 (J)			
3/3/2020	1.5			0.078 (J)	<0.1	<0.1
8/11/2020	1.4	<0.1	<0.1		<0.1	
8/12/2020				0.051 (J)		
8/13/2020						<0.1
9/22/2020		<0.1	<0.1		<0.1	
9/23/2020				0.058 (J)		<0.1
9/24/2020	0.97					
3/2/2021		<0.1		0.084 (J)	<0.1	<0.1
3/3/2021			0.085 (J)			
3/4/2021	1.8					
9/9/2021		<0.1	0.099 (J)	0.083 (J)	<0.1	<0.1
9/10/2021	2.2					
Mean	1.604	0.0804	0.1588	0.157	0.08588	0.1054
Std. Dev.	0.3955	0.0261	0.1448	0.1093	0.02643	0.04361
Upper Lim.	1.862	0.1	0.1641	0.2134	0.1	0.11
Lower Lim.	1.347	0.052	0.05529	0.08589	0.052	0.079

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 2:54 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		0.75				
9/2/2016				0.66	0.07 (J)	0.3
9/7/2016	0.32					
12/7/2016		0.37		0.66		
12/8/2016	0.31				0.14 (J)	0.12 (J)
3/29/2017		0.35		0.34		0.11 (J)
3/30/2017	0.1 (J)		0.06 (J)		<0.1	
5/11/2017			0.06 (J)			
6/15/2017			0.07 (J)			
7/11/2017			0.04 (J)			
7/12/2017	0.27 (J)	0.34		0.41	0.04 (J)	
7/13/2017						0.09 (J)
10/24/2017			0.43			
10/25/2017	0.49	0.9		0.68	0.34	0.25 (J)
2/27/2018			0.28			
2/28/2018	0.54	1.2		0.76	<0.1	<0.1
7/11/2018	0.15 (J)	0.37	0.6	1.3	<0.1	
7/12/2018						0.13 (J)
11/6/2018			<0.1			
11/7/2018	<0.3 (J)	<0.3 (J)		<0.3 (J)	<0.1	<0.1
3/12/2019			0.052 (J)			
3/13/2019	0.084 (J)	0.22 (J)		0.45	0.043 (J)	
3/14/2019						0.042 (J)
8/27/2019	0.24 (J)		<0.1			
8/28/2019		0.2				
8/29/2019				0.78	0.079 (J)	0.054 (J)
10/16/2019		0.23 (J)				
10/17/2019			0.042 (J)	0.26 (J)	<0.1	
10/18/2019	0.086 (J)					<0.1
3/3/2020		0.056 (J)	<0.1		<0.1	<0.1
3/4/2020	<0.1			1.5		
8/11/2020		0.2	<0.1			
8/13/2020				0.9		
8/14/2020	0.069 (J)				<0.1	<0.1
9/22/2020		0.084 (J)		0.15		
9/23/2020			<0.1			
9/24/2020	0.056 (J)				<0.1	<0.1
3/2/2021		0.19	<0.1	1.4		
3/3/2021	0.085 (J)				<0.1	<0.1
9/9/2021		0.18	0.053 (J)		<0.1	
9/10/2021				0.25		<0.1
9/13/2021	0.063 (J)					
Mean	0.2039	0.3713	0.1429	0.675	0.107	0.1185
Std. Dev.	0.1552	0.313	0.1586	0.4218	0.06664	0.06532
Upper Lim.	0.2722	0.5135	0.28	0.9494	0.14	0.13
Lower Lim.	0.09774	0.1749	0.052	0.4006	0.07	0.09

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 2:54 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						1
9/1/2016				1.8	1.5	
9/7/2016			0.02 (J)			
12/6/2016						0.76
12/8/2016			0.06 (J)	1.1	1.6	
3/28/2017		0.17 (J)				1.2
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
7/12/2017	0.22 (J)					
7/13/2017			<0.1	0.84	1.1	
10/24/2017		<0.1				
10/25/2017			<0.1			1.4
10/26/2017	0.66			1	1.7	
11/15/2017		0.79				
2/27/2018		<0.1				1.3
2/28/2018			<0.1			
3/1/2018	0.18			1.4		
3/2/2018					1.1	
7/11/2018			<0.1			
7/12/2018	0.25 (J)			0.96	0.65	
11/6/2018		<0.1				<0.3 (J)
11/7/2018			<0.1	0.74	0.63	
11/8/2018	<0.3 (J)					
3/12/2019		0.082 (J)				0.31
3/14/2019	0.092 (J)		<0.1	1.6	1.4	
8/27/2019		<0.1				0.32
8/28/2019			<0.1			
8/29/2019	0.095 (J)			0.52	0.78	
10/15/2019		<0.1				
10/16/2019						0.32
10/17/2019			<0.1	0.46		
10/18/2019	0.079 (J)				0.46	
3/2/2020		<0.1				0.33
3/4/2020	0.075 (J)		<0.1	0.74	0.7	
8/12/2020		<0.1		0.22		0.13
8/13/2020	0.1		<0.1		0.47	
9/22/2020		<0.1	<0.1			0.12
9/23/2020				0.11	0.32	
9/24/2020	0.075 (J)					
3/1/2021		<0.1				
3/2/2021						0.15
3/3/2021	0.063 (J)		<0.1	0.71	0.67	
9/9/2021	0.084 (J)					
9/10/2021		<0.1		0.22	0.47	0.16
9/13/2021			<0.1			
Mean	0.1852	0.1364	0.0925	0.8313	0.9006	0.5667
Std. Dev.	0.1558	0.1776	0.02176	0.4835	0.4445	0.4567
Upper Lim.	0.2262	0.17	0.1	1.146	1.19	0.7808
Lower Lim.	0.09243	0.082	0.06	0.5167	0.6114	0.2378

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-102D	B-104D	B-111D	B-62
8/30/2016	0.39	0.78				
12/6/2016	0.47	1.1				
3/28/2017		1.1				
3/29/2017	0.51					
7/11/2017	0.2 (J)	1.1				
10/24/2017	0.82	1.7				
2/27/2018	0.59	1.2				
7/11/2018		1.3				
11/6/2018	0.35	1.1				
1/30/2019						0.43
3/12/2019	0.35	0.97				
8/27/2019		0.68				
8/28/2019	0.098 (J)					
10/16/2019	0.14 (J)					
10/17/2019		1.2				
10/21/2019						0.23 (J)
3/3/2020	<0.1	1.4				
8/11/2020		1.3				
8/12/2020	0.056 (J)					
8/13/2020						0.11
9/22/2020		0.99				
9/23/2020	<0.1					
9/24/2020						0.093 (J)
12/9/2020				0.33	0.33	
12/17/2020			0.079 (J)			
1/11/2021			0.077 (J)			
1/12/2021				0.36	0.32	
3/2/2021	0.059 (J)	0.93				
3/4/2021			0.11	0.43		
3/5/2021					0.51	
3/12/2021						0.11
9/9/2021						0.14
9/10/2021		2	0.083 (J)			
9/13/2021	0.069 (J)					
9/14/2021				0.5	0.57	
Mean	0.2868	1.178	0.08725	0.405	0.4325	0.1855
Std. Dev.	0.2338	0.3265	0.01537	0.07594	0.1266	0.1295
Upper Lim.	0.4095	1.391	0.11	0.5774	0.7199	0.3546
Lower Lim.	0.1193	0.9657	0.077	0.2326	0.1451	0.06003

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	B-77	B-83	B-93
10/21/2019		0.13 (J)	
10/24/2019	0.096 (J)		
8/13/2020	<0.1		
8/14/2020		0.05 (J)	
8/19/2020			0.32
9/24/2020	<0.1		
9/25/2020		<0.1	
9/28/2020			0.3
3/4/2021	<0.1	0.071 (J)	
3/9/2021			0.34
9/14/2021	0.078 (J)		
9/15/2021			0.34
9/16/2021		0.066 (J)	
Mean	0.0948	0.0834	0.325
Std. Dev.	0.00955	0.0317	0.01915
Upper Lim.	0.1	0.1232	0.3685
Lower Lim.	0.078	0.02857	0.2815

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/8/2021 2:54 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	<0.001	<0.001			<0.001	
9/1/2016			<0.001			
9/6/2016				<0.001		<0.001
12/6/2016	<0.001	<0.001			<0.001	
12/7/2016			<0.001	<0.001		0.0002 (J)
3/29/2017	<0.001	<0.001	<0.001		<0.001	
3/30/2017				0.0002 (J)		0.0001 (J)
7/12/2017	<0.001	<0.001	<0.001	<0.001	<0.001	0.0001 (J)
10/24/2017	<0.001	<0.001				
10/25/2017			<0.001		<0.001	<0.001
11/15/2017				<0.001		
2/27/2018	<0.001	<0.001	<0.001		<0.001	
2/28/2018				<0.001		<0.001
7/11/2018			<0.001		<0.001	<0.001
11/6/2018	<0.001	<0.001				
11/7/2018			<0.001	<0.001	<0.001	<0.001
8/27/2019	0.00024 (J)	0.00012 (J)	0.0001 (J)		<0.001	
8/28/2019				<0.001		5.9E-05 (J)
9/17/2019			<0.001			
10/15/2019	0.00014 (J)	7.6E-05 (J)	<0.001			
10/16/2019				<0.001	<0.001	
10/17/2019						<0.001
3/2/2020		0.00015 (J)	<0.001			
3/3/2020	0.00011 (J)			<0.001	<0.001	<0.001
8/11/2020	7E-05 (J)	5.3E-05 (J)	<0.001		9.6E-05 (J)	
8/12/2020				<0.001		
8/13/2020						0.0012 (J)
9/22/2020		0.0001 (J)	0.00011 (J)		4.4E-05 (J)	
9/23/2020				9.8E-05 (J)		8.2E-05 (J)
9/24/2020	0.00013 (J)					
3/2/2021		<0.001		<0.001	8.3E-05 (J)	<0.001
3/3/2021			<0.001			
3/4/2021	9.2E-05 (J)					
9/9/2021		<0.001	<0.001	<0.001	<0.001	<0.001
9/10/2021	<0.001					
Mean	0.0006273	0.0006785	0.0008881	0.0008784	0.0008149	0.0007161
Std. Dev.	0.0004481	0.0004481	0.0003057	0.0003097	0.0003834	0.0004487
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.0012
Lower Lim.	0.00011	0.0001	0.00011	0.0002	9.6E-05	0.0001

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/8/2021 2:54 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-23
9/1/2016		<0.001				
9/2/2016				<0.001	0.0002 (J)	
9/7/2016	<0.001					
12/7/2016		<0.001		<0.001		
12/8/2016	<0.001				<0.001	
3/29/2017		<0.001		<0.001		
3/30/2017	0.0001 (J)		0.0001 (J)		0.0004 (J)	<0.001
5/11/2017			9E-05 (J)			
5/12/2017						<0.001
6/15/2017			0.0001 (J)			<0.001
7/11/2017			<0.001			
7/12/2017	<0.001	<0.001		<0.001	0.0001 (J)	<0.001
10/24/2017			<0.001			
10/25/2017	<0.001	<0.001		<0.001	<0.001	
10/26/2017						<0.001
2/27/2018			<0.001			
2/28/2018	<0.001	<0.001		<0.001	<0.001	
3/1/2018						<0.001
7/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001	
7/12/2018						<0.001
11/6/2018			<0.001			
11/7/2018	<0.001	<0.001		<0.001	<0.001	
11/8/2018						<0.001
8/27/2019	9E-05 (J)		6E-05 (J)			
8/28/2019		0.00026 (J)				
8/29/2019				0.00015 (J)	0.00023 (J)	6.6E-05 (J)
10/16/2019		<0.001				
10/17/2019			8.6E-05 (J)	9.7E-05 (J)	4.6E-05 (J)	
10/18/2019	7.4E-05 (J)					<0.001
3/3/2020		7E-05 (J)	<0.001		0.00015 (J)	
3/4/2020	0.00013 (J)			0.00068 (J)		<0.001
8/11/2020		5.3E-05 (J)	6.4E-05 (J)			
8/13/2020				0.00044 (J)		<0.001
8/14/2020	0.00017 (J)				<0.001	
9/22/2020		0.00016 (J)		0.00013 (J)		
9/23/2020			9.4E-05 (J)			
9/24/2020	7.9E-05 (J)				0.00014 (J)	<0.001
3/2/2021		4.5E-05 (J)	0.00014 (J)	0.00047 (J)		
3/3/2021	0.00015 (J)				<0.001	<0.001
9/9/2021		<0.001	<0.001		<0.001	<0.001
9/10/2021				<0.001		
9/13/2021	<0.001					
Mean	0.0005862	0.0007059	0.0005156	0.0007311	0.0006177	0.0009377
Std. Dev.	0.0004585	0.0004334	0.0004693	0.0003691	0.0004296	0.0002412
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.001
Lower Lim.	9E-05	7E-05	8.6E-05	0.00015	0.00014	6.6E-05

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5	DGWC-8
8/30/2016						<0.001
8/31/2016					0.0002 (J)	
9/1/2016			0.0005 (J)	0.0008 (J)		
9/7/2016		0.0002 (J)				
12/6/2016					0.0004 (J)	<0.001
12/8/2016		0.0002 (J)	<0.001	0.0019 (J)		
3/28/2017	0.0002 (J)				<0.001	
3/29/2017						0.0001 (J)
3/30/2017				0.0035 (J)		
3/31/2017		0.0004 (J)	0.0009 (J)			
5/12/2017	<0.001					
6/15/2017	<0.001					
7/11/2017	<0.001				<0.001	<0.001
7/13/2017		0.0004 (J)	0.0007 (J)	0.002 (J)		
10/24/2017	<0.001					<0.001
10/25/2017		0.0002 (J)			0.0024 (J)	
10/26/2017			0.0009 (J)	0.0022 (J)		
2/27/2018	<0.001				<0.001	<0.001
2/28/2018		<0.001				
3/1/2018			<0.001			
3/2/2018				<0.001		
7/11/2018		0.00052 (J)				
7/12/2018			0.001 (J)	0.0014 (J)		
11/6/2018	<0.001				<0.001	<0.001
11/7/2018		<0.005 (J)	<0.005 (J)	<0.005 (J)		
8/27/2019	4.9E-05 (J)				5.1E-05 (J)	
8/28/2019		0.00036 (J)				8.2E-05 (J)
8/29/2019			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)			
10/18/2019				0.00095 (J)		
3/2/2020	<0.001				5.1E-05 (J)	
3/3/2020						0.00023 (J)
3/4/2020		0.0001 (J)	0.00088 (J)	0.0012 (J)		
8/12/2020	<0.001		0.0004 (J)		6.3E-05 (J)	0.0007 (J)
8/13/2020		0.0016 (J)		0.00092 (J)		
9/22/2020	<0.001	0.00074 (J)			4.8E-05 (J)	
9/23/2020			0.00053 (J)	0.001 (J)		0.00011 (J)
3/1/2021	0.00012 (J)					
3/2/2021					8E-05 (J)	0.00027 (J)
3/3/2021		0.00024 (J)	0.0007 (J)	0.0011		
9/10/2021	<0.001		<0.001	0.00099 (J)	<0.001	
9/13/2021		<0.001				<0.001
Mean	0.0007478	0.0008147	0.001081	0.001664	0.0005984	0.0006273
Std. Dev.	0.0004149	0.001228	0.001106	0.001169	0.0006777	0.0004132
Upper Lim.	0.001	0.0004678	0.0011	0.0022	0.001	0.001
Lower Lim.	0.00012	0.0001549	0.00053	0.00095	5.1E-05	0.00011

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-9	B-100	B-102D	B-104D	B-111D	B-56
8/30/2016	<0.001					
12/6/2016	<0.001					
3/28/2017	<0.001					
7/11/2017	<0.001					
10/24/2017	<0.001					
2/27/2018	<0.001					
7/11/2018	<0.001					
11/6/2018	<0.001					
8/27/2019	<0.001					
10/17/2019	<0.001					
3/3/2020	0.00017 (J)					
8/11/2020	<0.001					
8/17/2020		8.8E-05 (J)				0.00022 (J)
9/22/2020	0.00015 (J)					
9/25/2020		0.00021 (J)				
9/28/2020						9.1E-05 (J)
12/9/2020				5.1E-05 (J)	5.8E-05 (J)	
12/17/2020			3.7E-05 (J)			
1/11/2021			5E-05 (J)			
1/12/2021				<0.001	5.1E-05 (J)	
3/2/2021	0.00028 (J)					
3/3/2021						0.0001 (J)
3/4/2021			5.9E-05 (J)	<0.001		
3/5/2021					<0.001	
3/8/2021		0.00018 (J)				
9/10/2021	<0.001		<0.001			
9/13/2021		<0.001				<0.001
9/14/2021				<0.001	<0.001	
Mean	0.00084	0.0003695	0.0002865	0.0007628	0.0005273	0.0003528
Std. Dev.	0.0003323	0.0004235	0.0004758	0.0004745	0.0005459	0.0004355
Upper Lim.	0.001	0.0003036	0.001	0.001	0.001	0.0002854
Lower Lim.	0.00028	5.528E-05	3.7E-05	5.1E-05	5.1E-05	3.627E-05

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

	B-63	B-82	B-88	B-93
1/28/2019	<0.001			
9/11/2019	4.7E-05 (J)			
9/23/2019		0.00016 (J)		
10/21/2019		<0.001		
10/22/2019	7.3E-05 (J)			
8/17/2020		5.9E-05 (J)	0.00081 (J)	
8/19/2020				0.00012 (J)
9/25/2020			0.00035 (J)	
9/28/2020		0.00011 (J)		0.00012 (J)
3/5/2021			0.012	
3/9/2021				<0.001
9/13/2021			<0.001	
9/14/2021	<0.001	<0.001		
9/15/2021				<0.001
Mean	0.00053	0.0004658	0.00354	0.00056
Std. Dev.	0.0005428	0.000489	0.005647	0.0005081
Upper Lim.	0.001	0.0001911	0.02767	0.001
Lower Lim.	4.7E-05	4.858E-05	4.865E-05	0.00012

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 2:54 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	0.0022 (J)	0.0022 (J)			0.0031 (J)	
9/1/2016			<0.03			
9/6/2016				0.0029 (J)		0.0064 (J)
12/6/2016	<0.03	0.0027 (J)			0.0042 (J)	
12/7/2016			<0.03	0.003 (J)		0.0066 (J)
3/29/2017	0.002 (J)	0.0021 (J)	<0.03		0.0041 (J)	
3/30/2017				0.0035 (J)		0.0061 (J)
7/12/2017	0.0019 (J)	0.0022 (J)	<0.03	0.0028 (J)	0.0036 (J)	0.006 (J)
10/24/2017	0.0022 (J)	0.0024 (J)				
10/25/2017			<0.03		0.0032 (J)	0.0061 (J)
11/15/2017				0.0028 (J)		
2/27/2018	0.0037 (J)	0.0022 (J)	0.00097 (J)		0.0035 (J)	
2/28/2018				<0.03		0.0062 (J)
7/11/2018			<0.03		0.0034 (J)	0.0058 (J)
11/6/2018	<0.03	<0.03				
11/7/2018			<0.03	<0.03	<0.03	<0.05 (O)
8/27/2019	0.0053 (J)	0.0023 (J)	0.0011 (J)		0.0038 (J)	
8/28/2019				0.0033 (J)		0.0063 (J)
9/17/2019			0.0011 (J)			
10/15/2019	0.0051 (J)	0.0019 (J)	0.00091 (J)			
10/16/2019				0.0029 (J)	0.0032 (J)	
10/17/2019						0.0064 (J)
3/2/2020		0.0023 (J)	<0.03			
3/3/2020	0.0049 (J)			0.0035 (J)	0.008 (J)	0.0059 (J)
8/11/2020	0.0033 (J)	0.0028 (J)	0.0011 (J)		0.0035 (J)	
8/12/2020				0.0034 (J)		
8/13/2020						0.0089 (J)
9/22/2020		0.0019 (J)	<0.03		0.0038 (J)	
9/23/2020				0.0033 (J)		0.006 (J)
9/24/2020	0.0049 (J)					
3/2/2021		0.0017 (J)		0.0033 (J)	0.004 (J)	0.0051 (J)
3/3/2021			<0.03			
3/4/2021	0.0042 (J)					
9/9/2021		0.0029 (J)	<0.03	0.0036 (J)	0.0044 (J)	0.0057 (J)
9/10/2021	0.0051 (J)					
Mean	0.005343	0.003186	0.01064	0.004879	0.00472	0.00625
Std. Dev.	0.004279	0.003418	0.006685	0.004297	0.003078	0.0008465
Upper Lim.	0.006793	0.0028	0.015	0.0036	0.0044	0.0066
Lower Lim.	0.002702	0.0019	0.0011	0.0029	0.0032	0.0058

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 2:54 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		0.0034 (J)				
9/2/2016				0.0021 (J)	0.0057 (J)	0.0046 (J)
9/7/2016	<0.03					
12/7/2016		0.0034 (J)		0.005 (J)		
12/8/2016	<0.03				0.0054 (J)	0.0047 (J)
3/29/2017		0.0031 (J)		0.0021 (J)		0.0043 (J)
3/30/2017	<0.03		0.0807		0.0065 (J)	
5/11/2017			0.085			
6/15/2017			0.0781			
7/11/2017			0.0731			
7/12/2017	<0.03	0.0032 (J)		0.0019 (J)	0.0057 (J)	
7/13/2017						0.0044 (J)
10/24/2017			0.0995			
10/25/2017	<0.03	0.0031 (J)		0.0022 (J)	0.006 (J)	0.0042 (J)
2/27/2018			0.0875			
2/28/2018	<0.03	0.0031 (J)		0.0019 (J)	0.0061 (J)	0.0043 (J)
7/11/2018	<0.03	0.0034 (J)	0.033 (J)	0.0022 (J)	0.0057 (J)	
7/12/2018						0.0036 (J)
11/6/2018			<0.03			
11/7/2018	<0.03	<0.03		<0.03	<0.03	<0.03
8/27/2019	0.00089 (J)		0.032			
8/28/2019		0.0032 (J)				
8/29/2019				0.0093 (J)	0.0061 (J)	0.0035 (J)
10/16/2019		0.0026 (J)				
10/17/2019			0.029 (J)	0.0075 (J)	0.0063 (J)	
10/18/2019	0.00096 (J)					0.0041 (J)
3/3/2020		0.0034 (J)	0.026 (J)		0.0065 (J)	0.0046 (J)
3/4/2020	0.0011 (J)			0.019 (J)		
8/11/2020		0.0031 (J)	0.028 (J)			
8/13/2020				0.012 (J)		
8/14/2020	0.0015 (J)				0.0058 (J)	0.0039 (J)
9/22/2020		0.0034 (J)		0.0026 (J)		
9/23/2020			0.022 (J)			
9/24/2020	0.00096 (J)				0.0062 (J)	0.0037 (J)
3/2/2021		0.003 (J)	0.023 (J)	0.011 (J)		
3/3/2021	0.0011 (J)				0.0054 (J)	0.0038 (J)
9/9/2021		0.0035 (J)	0.024 (J)		0.006 (J)	
9/10/2021				0.0023 (J)		0.0039 (J)
9/13/2021	<0.03					
Mean	0.009434	0.003993	0.04906	0.006407	0.00656	0.00484
Std. Dev.	0.007057	0.003053	0.03031	0.005611	0.00236	0.002836
Upper Lim.	0.015	0.0035	0.085	0.012	0.0065	0.0046
Lower Lim.	0.00096	0.003	0.023	0.0021	0.0057	0.0037

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 2:54 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						0.0026 (J)
9/1/2016				0.0854	0.125	
9/7/2016			0.012 (J)			
12/6/2016						0.0046 (J)
12/8/2016			0.0118 (J)	0.0667	0.122	
3/28/2017		0.0031 (J)				0.0028 (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)
7/12/2017	0.0068 (J)					
7/13/2017			0.0116 (J)	0.0743	0.143	
10/24/2017		0.0024 (J)				
10/25/2017			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)
2/28/2018			0.0122 (J)			
3/1/2018	0.0759			0.0772		
3/2/2018					0.129	
7/11/2018			0.01 (J)			
7/12/2018	0.0047 (J)			0.073	0.12	
11/6/2018		<0.03				<0.03
11/7/2018			<0.03	0.082	0.12	
11/8/2018	<0.03					
8/27/2019		0.0033 (J)				0.008 (J)
8/28/2019			0.01 (J)			
8/29/2019	0.0017 (J)			0.056	0.11	
10/15/2019		0.0029 (J)				
10/16/2019						0.006 (J)
10/17/2019			0.011 (J)	0.066		
10/18/2019	0.0039 (J)				0.11	
3/2/2020		0.0035 (J)				0.0079 (J)
3/4/2020	0.004 (J)		0.0091 (J)	0.063	0.12	
8/12/2020		0.0031 (J)		0.054		0.0067 (J)
8/13/2020	0.0052 (J)		0.011 (J)		0.098	
9/22/2020		0.0026 (J)	0.0099 (J)			0.0065 (J)
9/23/2020				0.046	0.1	
9/24/2020	0.0045 (J)					
3/1/2021		0.0035 (J)				
3/2/2021						0.0064 (J)
3/3/2021	0.014 (J)		0.0079 (J)	0.049	0.096	
9/9/2021	0.0081 (J)					
9/10/2021		0.0035 (J)		0.053	0.095	0.0071 (J)
9/13/2021			0.015 (J)			
Mean	0.01165	0.003786	0.01137	0.06622	0.1165	0.006343
Std. Dev.	0.01832	0.003256	0.001928	0.01232	0.01544	0.003062
Upper Lim.	0.01279	0.0035	0.01268	0.07457	0.1269	0.008199
Lower Lim.	0.003816	0.0025	0.01007	0.05787	0.106	0.004206

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100	B-102D	B-104D	B-56
8/30/2016	0.005 (J)	0.0212 (J)				
12/6/2016	0.0066 (J)	0.0242 (J)				
3/28/2017		0.0249 (J)				
3/29/2017	0.0059 (J)					
7/11/2017	0.0045 (J)	0.022 (J)				
10/24/2017	0.0072 (J)	0.0281 (J)				
2/27/2018	0.0075 (J)	0.031 (J)				
7/11/2018		0.028 (J)				
11/6/2018	<0.03	<0.03				
8/27/2019		0.031				
8/28/2019	0.0048 (J)					
10/16/2019	0.0045 (J)					
10/17/2019		0.029 (J)				
3/3/2020	0.0052 (J)	0.028 (J)				
8/11/2020		0.032				
8/12/2020	0.0058 (J)					
8/17/2020			0.0013 (J)			0.0056 (J)
9/22/2020		0.025 (J)				
9/23/2020	0.0045 (J)					
9/25/2020			0.0027 (J)			
9/28/2020						0.005 (J)
12/9/2020					0.039 (J)	
12/17/2020				0.012 (J)		
1/11/2021				0.015 (J)		
1/12/2021					0.039	
3/2/2021	0.0046 (J)	0.028 (J)				
3/3/2021						0.0051 (J)
3/4/2021				0.014 (J)	0.038	
3/8/2021			0.0024 (J)			
9/10/2021		0.027 (J)		0.012 (J)		
9/13/2021	0.0034 (J)		0.0022 (J)			0.0055 (J)
9/14/2021					0.036	
Mean	0.006036	0.02629	0.00215	0.01325	0.038	0.0053
Std. Dev.	0.002823	0.004445	0.0006028	0.0015	0.001414	0.0002944
Upper Lim.	0.0072	0.02931	0.003519	0.01666	0.04121	0.005968
Lower Lim.	0.0045	0.02328	0.0007815	0.009844	0.03479	0.004632

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	B-62	B-63	B-83	B-93
1/28/2019		<0.03		
1/30/2019	<0.03			
9/11/2019	0.0078 (J)	0.0064 (J)		
10/21/2019	0.0078 (J)		0.003 (J)	
10/22/2019		0.0062 (J)		
8/13/2020	0.0087 (J)			
8/14/2020			0.0045 (J)	
8/19/2020				0.011 (J)
9/24/2020	0.0084 (J)			
9/25/2020			0.0018 (J)	
9/28/2020				0.011 (J)
3/4/2021			0.0024 (J)	
3/9/2021				0.012 (J)
3/12/2021	0.0087 (J)	0.0066 (J)		
9/9/2021	0.0094 (J)			
9/14/2021		0.0064 (J)		
9/15/2021				0.011 (J)
9/16/2021			0.0021 (J)	
Mean	0.0094	0.00812	0.00276	0.01125
Std. Dev.	0.002532	0.003849	0.001069	0.0005
Upper Lim.	0.015	0.015	0.004551	0.012
Lower Lim.	0.0078	0.0062	0.0009685	0.011

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 11/8/2021 2:54 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					
Mean	0.0001658	0.0001707	0.0001541	0.0001829	0.0001727	0.0001907
Std. Dev.	5.628E-05	5.85E-05	6.456E-05	4.375E-05	5.688E-05	3.615E-05
Upper Lim.	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Lower Lim.	8.1E-05	8E-05	8E-05	9E-05	8E-05	6E-05

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 11/8/2021 2:54 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)					
Mean	0.0001404	0.000172	0.0002049	0.0001767	0.000158	0.0001677
Std. Dev.	6.361E-05	5.882E-05	0.0001304	4.835E-05	6.327E-05	5.729E-05
Upper Lim.	0.0002	0.0002	0.00064	0.0002	0.0002	0.0002
Lower Lim.	6E-05	9E-05	8.3E-05	9E-05	6E-05	0.0001

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 11/8/2021 2:54 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
Mean	0.0001853	0.0002059	0.0001893	0.0001907	0.0001924	0.0001494
Std. Dev.	5.73E-05	0.0001192	4.131E-05	3.615E-05	0.0001175	6.312E-05
Upper Lim.	0.0002053	0.00059	0.0002	0.0002	0.0002402	0.0002
Lower Lim.	0.0001241	0.00013	4E-05	6E-05	0.0001202	7.9E-05

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-9	B-104D	B-111D	B-56	B-82	B-88
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)					
9/23/2019					<0.0002	
10/17/2019	0.00042 (J)					
10/21/2019					<0.0002	
3/3/2020	<0.0002					
8/11/2020	0.00026					
8/17/2020				0.00016 (J)	0.00011 (J)	0.00011 (J)
9/22/2020	0.00013 (J)					
9/25/2020						<0.0002
9/28/2020				<0.0002	<0.0002	
12/9/2020		7.9E-05 (J)	9.4E-05 (J)			
1/12/2021		<0.0002	<0.0002			
3/2/2021	0.00017 (J)					
3/3/2021				<0.0002		
3/4/2021		<0.0002				
3/5/2021			<0.0002			0.0001 (J)
9/10/2021	0.00014 (J)					
9/13/2021				<0.0002		<0.0002
9/14/2021		<0.0002	<0.0002		<0.0002	
Mean	0.0001881	0.0001697	0.0001735	0.00019	0.000182	0.0001525
Std. Dev.	8.736E-05	6.05E-05	5.3E-05	2E-05	4.025E-05	5.5E-05
Upper Lim.	0.00021	0.0002	0.0002	0.0002	0.0002	0.0002
Lower Lim.	0.00013	7.9E-05	9.4E-05	0.00016	0.00011	0.0001

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

	B-93
8/19/2020	0.00026
9/28/2020	0.00024 (J)
3/9/2021	0.00015 (J)
9/15/2021	9.8E-05 (J)
Mean	0.000187
Std. Dev.	7.622E-05
Upper Lim.	0.00036
Lower Lim.	1.396E-05

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-13	DGWC-2	DGWC-23	DGWC-4	B-104D	B-111D
9/6/2016	0.0371					
12/7/2016	0.0273					
3/28/2017				0.008 (J)		
3/30/2017	0.03	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	0.0323		0.0092 (J)			
10/24/2017		<0.01		0.0072 (J)		
10/26/2017			0.0077 (J)			
11/15/2017	0.0275					
2/27/2018		<0.01		0.0069 (J)		
2/28/2018	0.0093 (J)					
3/1/2018			0.0045 (J)			
7/11/2018		<0.01				
7/12/2018			0.012			
11/6/2018		<0.01		<0.01 (J)		
11/7/2018	0.018					
11/8/2018			0.012			
8/27/2019		0.002 (J)		0.0065 (J)		
8/28/2019	0.015					
8/29/2019			0.014			
10/15/2019				0.0061 (J)		
10/16/2019	0.014					
10/17/2019		0.0018 (J)				
10/18/2019			0.0091 (J)			
3/2/2020				0.0059 (J)		
3/3/2020	0.018	0.0022 (J)				
3/4/2020			0.0047 (J)			
8/11/2020		0.002 (J)				
8/12/2020	0.012			0.0057 (J)		
8/13/2020			0.013			
9/22/2020				0.0028 (J)		
9/23/2020	0.012	0.0022 (J)				
9/24/2020			0.0088 (J)			
12/9/2020				0.0012 (J)	0.0055 (J)	
1/12/2021				<0.01	0.0054 (J)	
3/1/2021				0.0051 (J)		
3/2/2021	0.011	0.0021 (J)				
3/3/2021			0.0026 (J)			
3/4/2021				<0.01		
3/5/2021					0.0067 (J)	
9/9/2021	0.011	0.0023 (J)	0.01			
9/10/2021				0.0052 (J)		
9/14/2021				<0.01	0.013	
Mean	0.01961	0.005093	0.008993	0.006007	0.0078	0.00765
Std. Dev.	0.009301	0.004167	0.003208	0.001765	0.0044	0.003615
Upper Lim.	0.0262	0.01	0.01117	0.007258	0.01	0.01817
Lower Lim.	0.01302	0.0018	0.00682	0.004757	0.0012	0.002799

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	B-66	B-88
1/30/2019	<0.01	
9/12/2019	0.0018 (J)	
10/21/2019	0.0015 (J)	
8/17/2020		0.0012 (J)
9/25/2020		0.0012 (J)
3/5/2021		<0.01
9/13/2021		<0.01
9/14/2021	<0.01	
Mean	0.005825	0.0056
Std. Dev.	0.004822	0.005081
Upper Lim.	0.01	0.01
Lower Lim.	0.0015	0.0012

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-10	DGWC-12	DGWC-13	DGWC-14	DGWC-15	DGWC-17
8/31/2016	0.0366			0.0016 (J)		
9/1/2016		0.0017 (J)				
9/6/2016			0.0011 (J)		<0.005	
9/7/2016						0.007 (J)
12/6/2016	0.0026 (J)			<0.005		
12/7/2016		<0.005	0.0015 (J)		<0.005	
12/8/2016						0.0087 (J)
3/29/2017	0.0286	0.0017 (J)		<0.005		
3/30/2017			0.0015 (J)		<0.005	0.0099 (J)
7/12/2017	0.0257	0.0019 (J)	<0.005	<0.005	<0.005	0.0072 (J)
10/24/2017	0.0281					
10/25/2017		0.0024 (J)		<0.005	<0.005	0.0078 (J)
11/15/2017			0.0019 (J)			
2/27/2018	0.0667	<0.005		<0.005		
2/28/2018			<0.005		<0.005	<0.005
7/11/2018		<0.005		0.002 (J)	<0.005	0.007 (J)
11/6/2018	0.049					
11/7/2018		<0.01 (J)	<0.01 (J)	<0.01 (J)	<0.01 (J)	<0.005
8/27/2019	0.015	<0.005		<0.005		0.0073 (J)
8/28/2019			0.0039 (J)		<0.005	
9/17/2019		0.0014 (J)				
10/15/2019	0.071	0.0019 (J)				
10/16/2019			0.0031 (J)	0.0017 (J)		
10/17/2019					<0.005	
10/18/2019						0.0093 (J)
3/2/2020		<0.005				
3/3/2020	0.021		0.0062 (J)	0.0014 (J)	<0.005	
3/4/2020						0.0074 (J)
8/11/2020	0.023	0.0019 (J)		<0.005		
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		
9/23/2020			0.0053 (J)		<0.005	
9/24/2020	0.074					0.015
3/2/2021			0.006	<0.005	<0.005	
3/3/2021		<0.005				0.0072
3/4/2021	0.05					
9/9/2021		<0.005	0.006	0.0017 (J)	<0.005	
9/10/2021	0.034					
9/13/2021						0.0071
Mean	0.03752	0.003931	0.004307	0.004227	0.00512	0.007953
Std. Dev.	0.0217	0.002266	0.00244	0.002257	0.001582	0.002359
Upper Lim.	0.05289	0.005	0.004442	0.01	0.01	0.009189
Lower Lim.	0.02215	0.0017	0.0019	0.0017	0.0018	0.006423

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 11/8/2021 2:54 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-47
9/1/2016	0.0093 (J)					0.0217
9/2/2016			0.0671	<0.005		
12/7/2016	<0.005		0.0056 (J)			
12/8/2016				<0.005		0.017
3/28/2017					<0.005	
3/29/2017	0.0071 (J)		0.0521	<0.005		
3/30/2017		<0.005				
3/31/2017						0.0133
5/11/2017		<0.005				
5/12/2017					<0.005	
6/15/2017		<0.005			<0.005	
7/11/2017		<0.005			<0.005	
7/12/2017	0.0065 (J)		0.0483			
7/13/2017				<0.005		0.0068 (J)
10/24/2017		<0.005			<0.005	
10/25/2017	0.0087 (J)		0.0506	<0.005		
10/26/2017						0.0097 (J)
2/27/2018		<0.005			<0.005	
2/28/2018	0.0114		0.0755	<0.005		
3/1/2018						0.0124
7/11/2018	0.0036 (J)	0.0045 (J)	0.022			
7/12/2018				0.0017 (J)		0.015
11/6/2018		<0.01 (J)			<0.005	
11/7/2018	<0.01 (J)		0.044	<0.005		<0.01 (J)
8/27/2019		0.0069 (J)			<0.005	
8/28/2019	0.004 (J)					
8/29/2019			0.029	<0.005		0.004 (J)
10/15/2019					0.0014 (J)	
10/16/2019	0.006 (J)					
10/17/2019		0.0051 (J)	0.071			0.0062 (J)
10/18/2019				<0.005		
3/2/2020					<0.005	
3/3/2020	0.0066 (J)	0.0047 (J)		<0.005		
3/4/2020			0.071			0.0065 (J)
8/11/2020	0.0096 (J)	0.0053 (J)				
8/12/2020					<0.005	0.002 (J)
8/13/2020			0.091			
8/14/2020				<0.005		
9/22/2020	0.0052 (J)		0.023		<0.005	
9/23/2020		0.0046 (J)				<0.005
9/24/2020				<0.005		
3/1/2021					<0.005	
3/2/2021	0.0091	0.0037 (J)	0.078			
3/3/2021				<0.005		0.0039 (J)
9/9/2021	0.0083	0.0031 (J)				
9/10/2021			0.031	<0.005	<0.005	0.0035 (J)
Mean	0.00736	0.005193	0.05061	0.00478	0.004743	0.009133
Std. Dev.	0.00234	0.001557	0.02481	0.0008521	0.0009621	0.005718
Upper Lim.	0.008946	0.0053	0.06742	0.005	0.005	0.01301
Lower Lim.	0.005774	0.0045	0.0338	0.0017	0.0014	0.005259

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-48	DGWC-5	DGWC-8	DGWC-9	B-100	B-104D
8/30/2016			0.0032 (J)	0.0833		
8/31/2016		0.0182				
9/1/2016	0.0084 (J)					
12/6/2016		0.012	<0.005	0.0065 (J)		
12/8/2016	0.0084 (J)					
3/28/2017		0.168		0.0954		
3/29/2017			0.0048 (J)			
3/30/2017	0.0079 (J)					
7/11/2017		0.0607	0.0031 (J)	0.0561		
7/13/2017	0.0062 (J)					
10/24/2017			0.0069 (J)	0.0653		
10/25/2017		0.034				
10/26/2017	0.0058 (J)					
2/27/2018		0.0348	<0.005	0.13		
3/2/2018	<0.005					
7/11/2018				0.045		
7/12/2018	0.013					
11/6/2018		<0.01 (J)	<0.01 (J)	0.12		
11/7/2018	<0.01 (J)					
8/27/2019		0.0031 (J)		0.067		
8/28/2019			<0.005			
8/29/2019	0.0023 (J)					
10/16/2019		0.015	0.0016 (J)			
10/17/2019				0.19		
10/18/2019	0.005 (J)					
3/2/2020		0.032				
3/3/2020			0.0018 (J)	0.046		
3/4/2020	0.0061 (J)					
8/11/2020				0.11		
8/12/2020		0.011	<0.005			
8/13/2020	0.0029 (J)					
8/17/2020					<0.005	
9/22/2020		0.04		0.23		
9/23/2020	0.0016 (J)		0.0028 (J)			
9/25/2020					<0.005	
12/9/2020						<0.005
1/12/2021						0.0016 (J)
3/2/2021		0.0081	<0.005	0.07		
3/3/2021	0.0025 (J)					
3/4/2021						0.0031 (J)
3/8/2021					0.0019 (J)	
9/10/2021	0.0022 (J)	0.0099		0.057		
9/13/2021			<0.005		<0.005	
9/14/2021						<0.005
Mean	0.00582	0.03263	0.004586	0.09144	0.004225	0.003675
Std. Dev.	0.003285	0.04214	0.002144	0.0581	0.00155	0.001648
Upper Lim.	0.008046	0.0457	0.00408	0.1308	0.005	0.004053
Lower Lim.	0.003594	0.00964	0.002153	0.05207	0.0019	0.0006472

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	B-111D	B-56	B-77	B-82	B-83	B-88
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)		
12/9/2020	<0.005					
1/12/2021	<0.005					
3/3/2021		0.013				
3/4/2021			0.0017 (J)		0.024	
3/5/2021	0.0022 (J)					0.0033 (J)
9/13/2021		0.011				0.0021 (J)
9/14/2021	<0.005		<0.005	<0.005		
9/16/2021					0.025	
Mean	0.0043	0.016	0.00445	0.00374	0.01824	0.0026
Std. Dev.	0.0014	0.008718	0.001347	0.001734	0.006906	0.0008246
Upper Lim.	0.005	0.029	0.005	0.005	0.02981	0.004472
Lower Lim.	0.0022	0.011	0.0017	0.0016	0.006668	0.0007278

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-10	DGWC-12	DGWC-17	DGWC-19	DGWC-20	DGWC-22
8/31/2016	0.0004 (J)					
9/1/2016		<0.001		0.0005 (J)		
9/2/2016					<0.001	<0.001
9/7/2016			<0.001			
12/6/2016	0.0004 (J)					
12/7/2016		<0.001		0.0005 (J)	0.0006 (J)	
12/8/2016			<0.001			<0.001
3/29/2017	0.0006 (J)	8E-05 (J)		0.0004 (J)	0.0006 (J)	6E-05 (J)
3/30/2017			0.0002 (J)			
7/12/2017	0.0005 (J)	9E-05 (J)	0.0002 (J)	0.0005 (J)	0.0006 (J)	
7/13/2017						7E-05 (J)
10/24/2017	0.0004 (J)					
10/25/2017		9E-05 (J)	0.0002 (J)	0.0004 (J)	0.0005 (J)	7E-05 (J)
2/27/2018	<0.001	<0.001				
2/28/2018			0.00015 (J)	0.00049 (J)	<0.001	<0.001
7/11/2018		<0.001	0.00017 (J)	0.0005 (J)	<0.001	
7/12/2018						<0.001
11/6/2018	<0.001 (J)					
11/7/2018		<0.001	<0.001	<0.001 (J)	<0.001 (J)	<0.001
8/27/2019	0.00036 (J)	8.9E-05 (J)	0.00018 (J)			
8/28/2019				0.00053 (J)		
8/29/2019					0.00084 (J)	6.4E-05 (J)
9/17/2019		9.7E-05 (J)				
10/15/2019	0.00039 (J)	9.1E-05 (J)				
10/16/2019				0.00053 (J)		
10/17/2019					0.00062 (J)	
10/18/2019			0.00014 (J)			<0.001
3/2/2020		0.00013 (J)				
3/3/2020	0.00042 (J)			0.0006 (J)		7E-05 (J)
3/4/2020			0.00019 (J)		0.0023 (J)	
8/11/2020	0.00037 (J)	<0.001		0.00059 (J)		
8/13/2020					0.0016 (J)	
8/14/2020			0.00019 (J)			<0.001
9/22/2020		<0.001		0.0005 (J)	0.00055 (J)	
9/24/2020	0.00034 (J)		0.00018 (J)			<0.001
3/2/2021				0.00056 (J)	0.0014 (J)	
3/3/2021		<0.001	0.00017 (J)			<0.001
3/4/2021	0.00042 (J)					
9/9/2021		<0.001		0.00056 (J)		
9/10/2021	0.00027 (J)				0.00052 (J)	<0.001
9/13/2021			<0.001			
Mean	0.0004907	0.0006042	0.000398	0.000544	0.000942	0.0006889
Std. Dev.	0.0002285	0.0004636	0.0003761	0.0001384	0.0004995	0.0004554
Upper Lim.	0.0006	0.001	0.001	0.00059	0.000988	0.001
Lower Lim.	0.00036	9E-05	0.00017	0.00049	0.0005219	6.4E-05

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

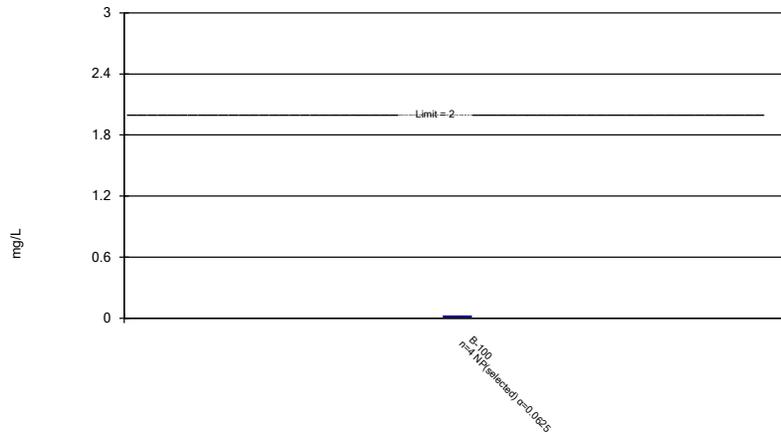
	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5	DGWC-8
8/30/2016						<0.001
8/31/2016					<0.001	
9/1/2016			0.0002 (J)	<0.001		
9/7/2016		<0.001				
12/6/2016					<0.001	<0.001
12/8/2016		<0.001	<0.001	<0.001		
3/28/2017	<0.001				0.0002 (J)	
3/29/2017						0.0002 (J)
3/30/2017				9E-05 (J)		
3/31/2017		9E-05 (J)	0.0002 (J)			
5/12/2017	<0.001					
6/15/2017	<0.001					
7/11/2017	<0.001				<0.001	0.0001 (J)
7/13/2017		9E-05 (J)	0.0002 (J)	8E-05 (J)		
10/24/2017	<0.001					0.0003 (J)
10/25/2017		9E-05 (J)			<0.001	
10/26/2017			0.0003 (J)	9E-05 (J)		
2/27/2018	<0.001				<0.001	0.00033 (J)
2/28/2018		<0.001				
3/1/2018			0.00032 (J)			
3/2/2018				<0.001		
7/11/2018		<0.001				
7/12/2018			0.00031 (J)	<0.001		
11/6/2018	<0.001				<0.001	<0.001 (J)
11/7/2018		<0.001	<0.001 (J)	<0.001		
8/27/2019	<0.001				<0.001	
8/28/2019		6.9E-05 (J)				0.00022 (J)
8/29/2019			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)			
10/18/2019				<0.001		
3/2/2020	<0.001				6.2E-05 (J)	
3/3/2020						0.00023 (J)
3/4/2020		<0.001	0.00021 (J)	6.8E-05 (J)		
8/12/2020	<0.001		0.00018 (J)		<0.001	0.00023 (J)
8/13/2020		<0.001		<0.001		
9/22/2020	<0.001	<0.001			<0.001	
9/23/2020			0.00026 (J)	<0.001		0.0002 (J)
3/1/2021	<0.001					
3/2/2021					<0.001	0.00019 (J)
3/3/2021		<0.001	0.00023 (J)	<0.001		
9/10/2021	<0.001		0.00036 (J)	<0.001	<0.001	
9/13/2021		<0.001				0.00019 (J)
Mean	0.0009338	0.0007559	0.0003513	0.0006937	0.00081	0.0003886
Std. Dev.	0.0002478	0.000419	0.0002684	0.0004484	0.0003787	0.0003356
Upper Lim.	0.001	0.001	0.00036	0.001	0.001	0.001
Lower Lim.	7.3E-05	9E-05	0.0002	8E-05	0.0002	0.00019

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-9	B-56	B-82	B-83	B-88
8/30/2016	<0.001				
12/6/2016	0.0006 (J)				
3/28/2017	0.0007 (J)				
7/11/2017	0.0007 (J)				
10/24/2017	0.0006 (J)				
2/27/2018	0.00038 (J)				
7/11/2018	<0.001				
11/6/2018	<0.001				
8/27/2019	0.00053 (J)				
9/23/2019			9.9E-05 (J)		
10/17/2019	0.00076 (J)				
10/21/2019			0.00011 (J)	7.2E-05 (J)	
3/3/2020	0.00044 (J)				
8/11/2020	<0.001				
8/14/2020				<0.001	
8/17/2020		0.00016 (J)	<0.001		<0.001
9/22/2020	0.00043 (J)				
9/25/2020				<0.001	<0.001
9/28/2020		0.00023 (J)	<0.001		
3/2/2021	<0.001				
3/3/2021		0.00026 (J)			
3/4/2021				<0.001	
3/5/2021					0.0002 (J)
9/10/2021	0.0004 (J)				
9/13/2021		0.00024 (J)			<0.001
9/14/2021			<0.001		
9/16/2021				<0.001	
Mean	0.0007027	0.0002225	0.0006418	0.0008144	0.0008
Std. Dev.	0.0002443	4.349E-05	0.0004905	0.000415	0.0004
Upper Lim.	0.001	0.0003212	0.001	0.001	0.001
Lower Lim.	0.00043	0.0001238	9.9E-05	7.2E-05	0.0002

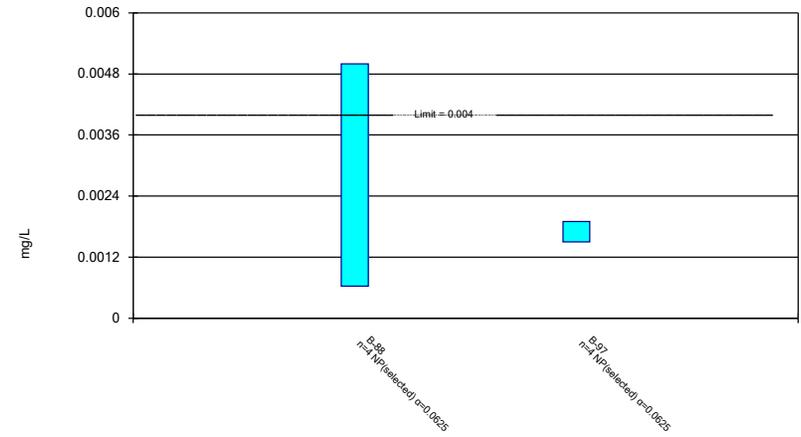
Non-Parametric Confidence Interval
Compliance Limit is not exceeded.



Normality testing disabled.

Constituent: Barium Analysis Run 11/8/2021 2:53 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

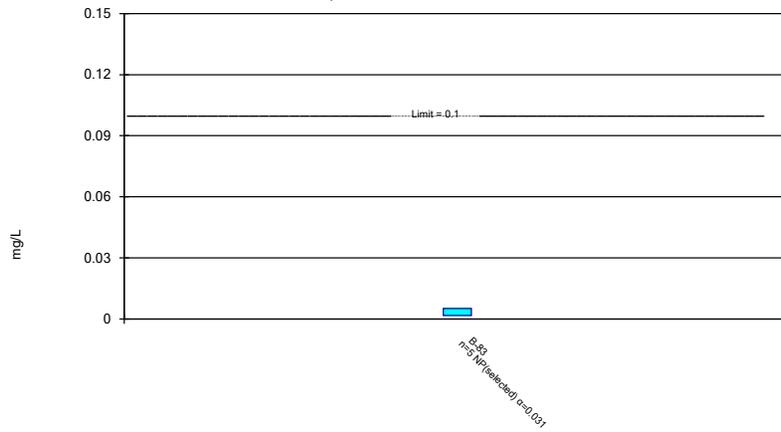
Non-Parametric Confidence Interval
Compliance Limit is not exceeded.



Normality testing disabled.

Constituent: Beryllium Analysis Run 11/8/2021 2:53 PM View: AP 234 Confidence Intervals Nonparametri
Plant McDonough Client: Southern Company Data: McDonough AP

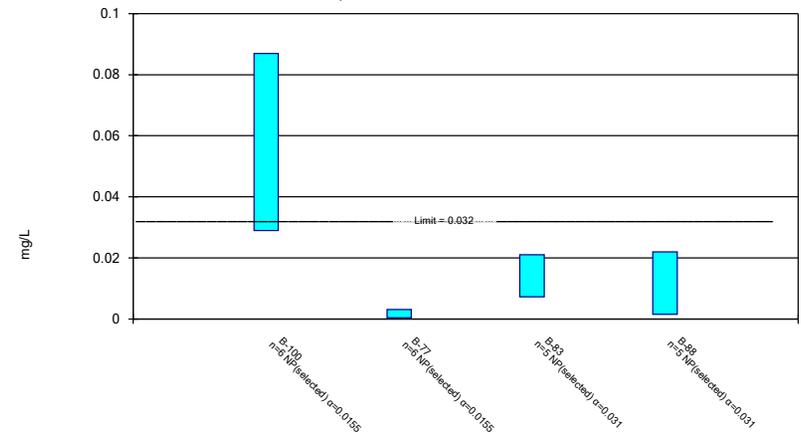
Non-Parametric Confidence Interval
Compliance Limit is not exceeded.



Normality testing disabled.

Constituent: Chromium Analysis Run 11/8/2021 2:53 PM View: AP 234 Confidence Intervals Nonparametr
Plant McDonough Client: Southern Company Data: McDonough AP

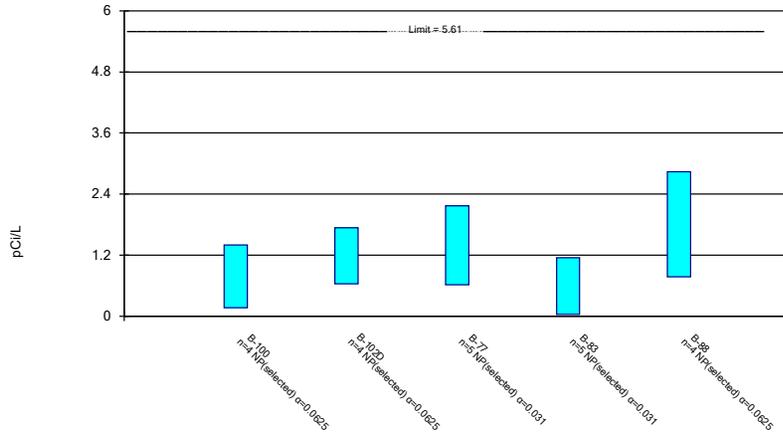
Non-Parametric Confidence Interval
Compliance Limit is not exceeded.



Normality testing disabled.

Constituent: Cobalt Analysis Run 11/8/2021 2:53 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

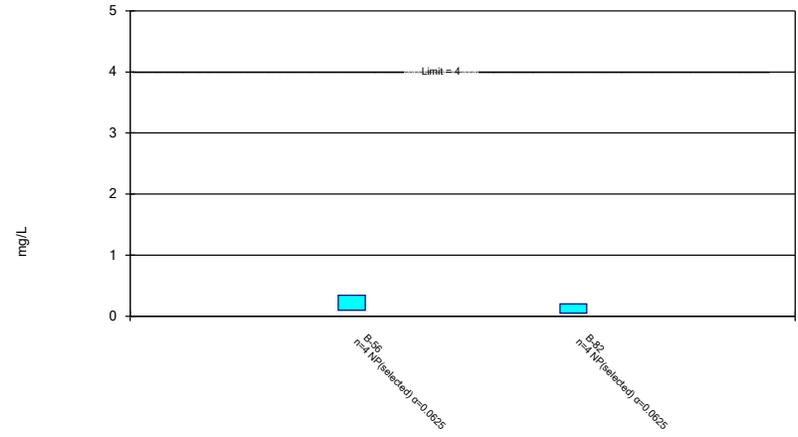
Non-Parametric Confidence Interval
Compliance Limit is not exceeded.



Normality testing disabled.

Constituent: Combined Radium 226 + 228 Analysis Run 11/8/2021 2:53 PM View: AP 234 Confidence Inte
Plant McDonough Client: Southern Company Data: McDonough AP

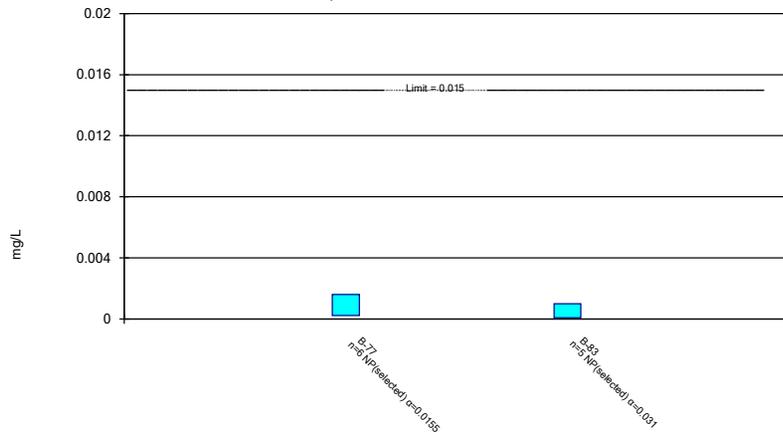
Non-Parametric Confidence Interval
Compliance Limit is not exceeded.



Normality testing disabled.

Constituent: Fluoride, total Analysis Run 11/8/2021 2:53 PM View: AP 234 Confidence Intervals Nonpara
Plant McDonough Client: Southern Company Data: McDonough AP

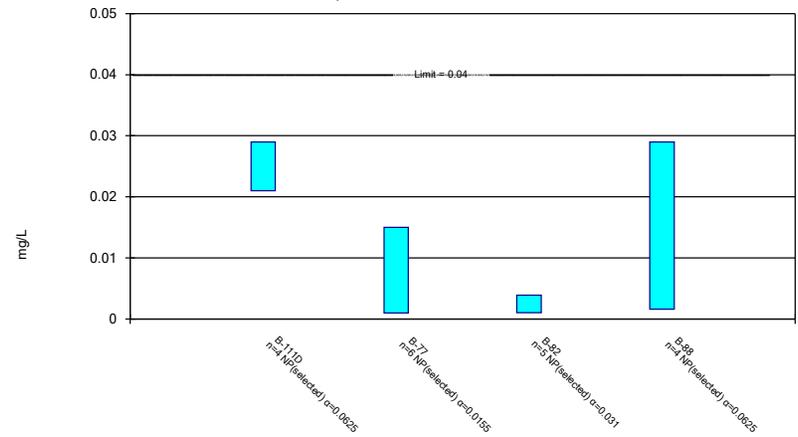
Non-Parametric Confidence Interval
Compliance Limit is not exceeded.



Normality testing disabled.

Constituent: Lead Analysis Run 11/8/2021 2:53 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval
Compliance Limit is not exceeded.

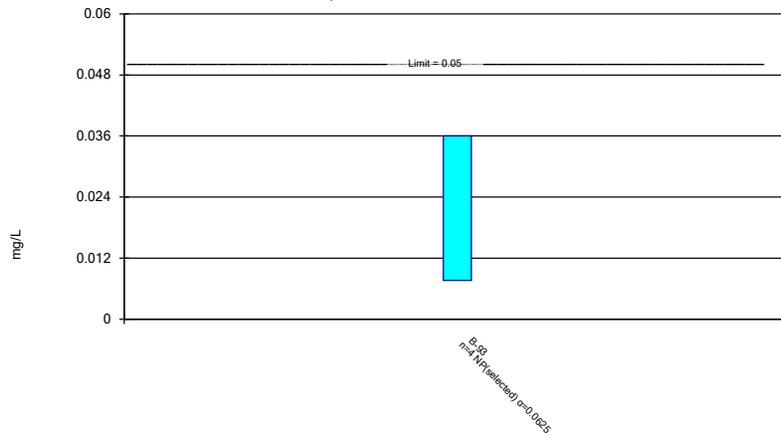


Normality testing disabled.

Constituent: Lithium Analysis Run 11/8/2021 2:53 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: Selenium Analysis Run 11/8/2021 2:53 PM View: AP 234 Confidence Intervals Nonparametri
Plant McDonough Client: Southern Company Data: McDonough AP

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

	B-100
8/17/2020	0.015
9/25/2020	0.022
3/8/2021	0.022
9/13/2021	0.021
Mean	0.02
Std. Dev.	0.003367
Upper Lim.	0.022
Lower Lim.	0.015

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

	B-88	B-97
2/17/2020		<0.003
2/27/2020		0.0019 (J)
8/17/2020	0.0014 (J)	
9/25/2020	0.00063 (J)	
3/5/2021	0.005	
3/9/2021		0.0019
9/13/2021	0.001	
9/15/2021		0.0016
Mean	0.002008	0.001725
Std. Dev.	0.00202	0.0002062
Upper Lim.	0.005	0.0019
Lower Lim.	0.00063	0.0015

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

	B-83
10/21/2019	0.0017 (J)
8/14/2020	0.005 (J)
9/25/2020	0.0051 (J)
3/4/2021	0.0049 (J)
9/16/2021	0.003 (J)
Mean	0.00394
Std. Dev.	0.001524
Upper Lim.	0.0051
Lower Lim.	0.0017

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

	B-100	B-77	B-83	B-88
9/18/2019		0.0031 (J)		
10/21/2019			0.018	
10/24/2019		0.0021 (J)		
11/22/2019				0.018 (J)
7/23/2020	0.086			
8/3/2020	0.087			
8/13/2020		0.0011 (J)		
8/14/2020			0.021	
8/17/2020	0.077			0.0031 (J)
9/24/2020		0.0004 (J)		
9/25/2020	0.034		0.0073	0.0015 (J)
3/4/2021		0.0017 (J)	0.0099	
3/5/2021				0.022
3/8/2021	0.029			
9/13/2021	0.035			0.0018 (J)
9/14/2021		<0.005		
9/16/2021			0.011	
Mean	0.058	0.001817	0.01344	0.00928
Std. Dev.	0.02804	0.0009725	0.005791	0.009906
Upper Lim.	0.087	0.0031	0.021	0.022
Lower Lim.	0.029	0.0004	0.0073	0.0015

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals Nonparametric
 Plant McDonough Client: Southern Company Data: McDonough AP

	B-100	B-102D	B-77	B-83	B-88
10/21/2019				0.792 (U)	
10/24/2019			1.87		
8/13/2020			2.17		
8/14/2020				0.95 (U)	
8/17/2020	1.4 (U)				2.47
9/24/2020			0.761 (U)		
9/25/2020	0.799 (U)			0.0359 (U)	0.925 (U)
12/17/2020		1.22 (U)			
1/11/2021		0.635 (U)			
3/4/2021		0.789 (U)	2.16	1.15 (U)	
3/5/2021					2.84
3/8/2021	0.168 (U)				
9/10/2021		1.74			
9/13/2021	0.774 (U)				0.771 (U)
9/14/2021			0.617 (U)		
9/16/2021				0.442 (U)	
Mean	0.7853	1.096	1.516	0.674	1.752
Std. Dev.	0.5031	0.4956	0.7658	0.4409	1.056
Upper Lim.	1.4	1.74	2.17	1.15	2.84
Lower Lim.	0.168	0.635	0.617	0.0359	0.771

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals Nonparametric

Plant McDonough Client: Southern Company Data: McDonough AP

	B-56	B-82
10/21/2019		0.2 (J)
8/17/2020	0.19	<0.1
9/28/2020	0.098 (J)	<0.1
3/3/2021	0.34	
9/13/2021	0.2	
9/14/2021		0.052 (J)
Mean	0.207	0.113
Std. Dev.	0.09985	0.06226
Upper Lim.	0.34	0.2
Lower Lim.	0.098	0.052

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

	B-77	B-83
9/18/2019	0.00032 (J)	
10/21/2019		0.00012 (J)
10/24/2019	<0.001	
8/13/2020	0.0016 (J)	
8/14/2020		0.00092 (J)
9/24/2020	0.00021 (J)	
9/25/2020		6.5E-05 (J)
3/4/2021	0.00029 (J)	0.00017 (J)
9/14/2021	<0.001	
9/16/2021		<0.001
Mean	0.0007367	0.000455
Std. Dev.	0.000554	0.0004634
Upper Lim.	0.0016	0.001
Lower Lim.	0.00021	6.5E-05

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

	B-111D	B-77	B-82	B-88
9/18/2019		0.0047 (J)		
9/23/2019			0.0039 (J)	
10/21/2019			0.0036 (J)	
10/24/2019		0.0036 (J)		
8/13/2020		0.0018 (J)		
8/17/2020			0.0016 (J)	0.006 (J)
9/24/2020		0.00095 (J)		
9/25/2020				0.0016 (J)
9/28/2020			0.001 (J)	
12/9/2020	0.021 (J)			
1/12/2021	0.021 (J)			
3/4/2021		0.0011 (J)		
3/5/2021	0.028 (J)			0.029 (J)
9/13/2021				0.0017 (J)
9/14/2021	0.029 (J)	<0.03	0.001 (J)	
Mean	0.02475	0.004525	0.00222	0.009575
Std. Dev.	0.004349	0.005339	0.001422	0.01311
Upper Lim.	0.029	0.015	0.0039	0.029
Lower Lim.	0.021	0.00095	0.001	0.0016

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

	B-93
8/19/2020	0.018
9/28/2020	0.036
3/9/2021	0.0099 (J)
9/15/2021	0.0076
Mean	0.01788
Std. Dev.	0.01288
Upper Lim.	0.036
Lower Lim.	0.0076

FIGURE J.

State Confidence Intervals - Significant Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	DGWC-9	0.03003	0.0172	0.01	Yes	15	0.02361	0.009468	6.667	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-10	0.009208	0.005678	0.004	Yes	14	0.007443	0.002492	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-47	0.01281	0.009018	0.004	Yes	15	0.01091	0.002797	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-48	0.009234	0.007526	0.004	Yes	15	0.00838	0.00126	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-5	0.008688	0.006197	0.004	Yes	14	0.007443	0.001758	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-9	0.005896	0.004931	0.004	Yes	15	0.005413	0.000712	0	None	No	0.01	Param.
Beryllium (mg/L)	B-93	0.01805	0.006467	0.004	Yes	5	0.01378	0.003942	0	None	x^3	0.01	Param.
Cobalt (mg/L)	DGWC-10	0.1888	0.1413	0.032	Yes	14	0.1537	0.04866	0	None	x^4	0.01	Param.
Cobalt (mg/L)	DGWC-19	0.05331	0.04925	0.032	Yes	15	0.05128	0.002996	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-20	0.6394	0.4659	0.032	Yes	15	0.5575	0.1355	0	None	x^(1/3)	0.01	Param.
Cobalt (mg/L)	DGWC-47	0.3858	0.253	0.032	Yes	15	0.3194	0.09792	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-48	0.5073	0.402	0.032	Yes	15	0.4547	0.07771	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-8	0.0878	0.04412	0.032	Yes	14	0.06596	0.03083	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-9	0.201	0.1437	0.032	Yes	15	0.1724	0.04231	0	None	No	0.01	Param.
Cobalt (mg/L)	B-56	0.05421	0.03629	0.032	Yes	4	0.04525	0.003948	0	None	No	0.01	Param.
Cobalt (mg/L)	B-63	0.0547	0.0353	0.032	Yes	5	0.045	0.005788	0	None	No	0.01	Param.
Cobalt (mg/L)	B-93	0.069	0.0594	0.032	Yes	5	0.0642	0.002864	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-104D	21.26	6.892	5.61	Yes	4	14.08	3.164	0	None	No	0.01	Param.
Lithium (mg/L)	DGWC-47	0.07457	0.05787	0.03	Yes	15	0.06622	0.01232	0	None	No	0.01	Param.
Lithium (mg/L)	DGWC-48	0.1269	0.106	0.03	Yes	15	0.1165	0.01544	0	None	No	0.01	Param.
Lithium (mg/L)	B-104D	0.04121	0.03479	0.03	Yes	4	0.038	0.001414	0	None	No	0.01	Param.
Selenium (mg/L)	DGWC-9	0.1308	0.05207	0.05	Yes	15	0.09144	0.0581	0	None	No	0.01	Param.

State Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	B-100	0.001954	0.001046	0.006	No	4	0.00225	0.0008813	50	Kaplan-Meier	No	0.01	Param.
Antimony (mg/L)	B-102D	0.003	0.0016	0.006	No	4	0.00265	0.0007	75	Kaplan-Meier	No	0.0625	NP (NDs)
Antimony (mg/L)	B-104D	0.001068	0.0003847	0.006	No	4	0.00126	0.001169	25	Kaplan-Meier	x^(1/3)	0.01	Param.
Antimony (mg/L)	B-111D	0.003	0.0006	0.006	No	4	0.0024	0.0012	75	Kaplan-Meier	No	0.0625	NP (NDs)
Antimony (mg/L)	B-62	0.003	0.00046	0.006	No	7	0.002637	0.00096	85.71	Kaplan-Meier	No	0.008	NP (NDs)
Antimony (mg/L)	B-63	0.003	0.00066	0.006	No	4	0.002415	0.00117	75	None	No	0.0625	NP (NDs)
Antimony (mg/L)	B-77	0.003	0.00036	0.006	No	6	0.001737	0.001387	50	None	No	0.0155	NP (normality)
Antimony (mg/L)	B-93	0.003	0.0014	0.006	No	4	0.0026	0.0008	75	None	No	0.0625	NP (NDs)
Antimony (mg/L)	DGWC-12	0.003	0.0003	0.006	No	16	0.002831	0.000675	93.75	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-14	0.003	0.0011	0.006	No	15	0.002873	0.0004906	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-15	0.003	0.00073	0.006	No	15	0.002671	0.0008724	86.67	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-17	0.003	0.00045	0.006	No	15	0.00283	0.0006584	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-19	0.003	0.00036	0.006	No	15	0.002824	0.0006816	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-2	0.003	0.0006	0.006	No	15	0.00284	0.0006197	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-21	0.003	0.0013	0.006	No	15	0.002887	0.0004389	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-23	0.003	0.0007	0.006	No	15	0.002847	0.0005939	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-4	0.003	0.0008	0.006	No	14	0.002491	0.001014	78.57	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-47	0.003	0.0012	0.006	No	15	0.00288	0.0004648	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-48	0.003	0.0018	0.006	No	15	0.002746	0.0007213	86.67	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-5	0.003	0.0015	0.006	No	14	0.002701	0.0007935	85.71	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-8	0.003	0.00046	0.006	No	14	0.002819	0.0006788	92.86	None	No	0.01	NP (NDs)
Arsenic (mg/L)	B-104D	0.002881	0.001519	0.01	No	4	0.0036	0.001635	50	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	B-111D	0.003281	0.001919	0.01	No	4	0.0038	0.001407	50	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	B-56	0.0047	0.003	0.01	No	4	0.0035	0.0008042	0	None	No	0.0625	NP (normality)
Arsenic (mg/L)	B-77	0.002882	0.001869	0.01	No	6	0.003233	0.001409	33.33	Kaplan-Meier	ln(x)	0.01	Param.
Arsenic (mg/L)	B-93	0.003589	0.0004108	0.01	No	4	0.0035	0.001824	50	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	DGWC-10	0.00717	0.003601	0.01	No	14	0.005386	0.002519	7.143	None	No	0.01	Param.
Arsenic (mg/L)	DGWC-12	0.005	0.00063	0.01	No	16	0.004452	0.001498	87.5	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-14	0.005	0.00039	0.01	No	15	0.004693	0.00119	93.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-15	0.005	0.0013	0.01	No	15	0.004169	0.001726	80	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-17	0.005	0.0008	0.01	No	15	0.003395	0.002042	60	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-19	0.002035	0.0009847	0.01	No	15	0.002317	0.001551	20	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	DGWC-2	0.005	0.0025	0.01	No	15	0.004566	0.00118	86.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-20	0.01666	0.007499	0.01	No	15	0.01208	0.006761	0	None	No	0.01	Param.
Arsenic (mg/L)	DGWC-22	0.005	0.001	0.01	No	15	0.004733	0.001033	93.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-4	0.005	0.0008	0.01	No	14	0.004057	0.001875	78.57	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-42	0.005	0.0011	0.01	No	15	0.004453	0.001445	86.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-47	0.002647	0.001328	0.01	No	15	0.002627	0.001504	20	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	DGWC-48	0.005	0.0008	0.01	No	15	0.003206	0.002005	53.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-5	0.0118	0.002817	0.01	No	14	0.008443	0.009971	14.29	None	x^(1/3)	0.01	Param.
Arsenic (mg/L)	DGWC-8	0.005	0.0012	0.01	No	14	0.00369	0.001839	64.29	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-9	0.03003	0.0172	0.01	Yes	15	0.02361	0.009468	6.667	None	No	0.01	Param.
Barium (mg/L)	B-100	0.022	0.015	2	No	4	0.02	0.003367	0	None	No	0.0625	NP (selected)
Barium (mg/L)	B-102D	0.02571	0.01829	2	No	4	0.022	0.001633	0	None	No	0.01	Param.
Barium (mg/L)	B-104D	0.026	0.021	2	No	4	0.0225	0.00238	0	None	No	0.0625	NP (normality)
Barium (mg/L)	B-111D	0.05204	0.01546	2	No	4	0.03375	0.008057	0	None	No	0.01	Param.
Barium (mg/L)	B-56	0.03185	0.02315	2	No	4	0.0275	0.001915	0	None	No	0.01	Param.
Barium (mg/L)	B-62	0.02758	0.01985	2	No	7	0.02371	0.003251	0	None	No	0.01	Param.
Barium (mg/L)	B-63	0.03208	0.01592	2	No	4	0.024	0.003559	0	None	No	0.01	Param.
Barium (mg/L)	B-66	0.01942	0.01508	2	No	4	0.01725	0.0009574	0	None	No	0.01	Param.
Barium (mg/L)	B-77	0.1255	0.08983	2	No	6	0.1077	0.01299	0	None	No	0.01	Param.

State Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	B-82	0.03301	0.01899	2	No	5	0.026	0.004183	0	None	No	0.01	Param.
Barium (mg/L)	B-83	0.05537	0.02029	2	No	5	0.0358	0.01158	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	B-88	0.02418	-0.01405	2	No	4	0.02025	0.002872	0	None	x^5	0.01	Param.
Barium (mg/L)	B-93	0.01892	0.01458	2	No	4	0.01675	0.0009574	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-10	0.02962	0.02305	2	No	14	0.02634	0.004637	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-11	0.06644	0.05633	2	No	14	0.06139	0.007138	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-12	0.03199	0.02415	2	No	16	0.02824	0.006231	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	DGWC-13	0.03292	0.02732	2	No	14	0.02908	0.007369	7.143	None	x^3	0.01	Param.
Barium (mg/L)	DGWC-14	0.06261	0.05787	2	No	15	0.06024	0.003493	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-15	0.05073	0.0443	2	No	15	0.04751	0.004744	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-17	0.05635	0.04167	2	No	15	0.04901	0.01083	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-19	0.02541	0.02177	2	No	15	0.02359	0.002686	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-2	0.02268	0.02132	2	No	15	0.022	0.001	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-20	0.01537	0.009179	2	No	15	0.01227	0.004566	6.667	None	No	0.01	Param.
Barium (mg/L)	DGWC-21	0.0272	0.024	2	No	15	0.02596	0.001505	0	None	No	0.01	NP (normality)
Barium (mg/L)	DGWC-22	0.03773	0.03193	2	No	15	0.03483	0.004281	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-23	0.0236	0.01844	2	No	15	0.02113	0.004092	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	DGWC-4	0.03617	0.0322	2	No	14	0.03419	0.002802	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-42	0.0205	0.01622	2	No	15	0.01836	0.003153	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-47	0.01975	0.01597	2	No	15	0.01786	0.002794	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-48	0.01436	0.01298	2	No	15	0.01367	0.001016	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-5	0.01834	0.01649	2	No	13	0.01742	0.001247	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-8	0.03806	0.02666	2	No	14	0.03236	0.008048	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-9	0.01623	0.01484	2	No	15	0.01553	0.00103	0	None	No	0.01	Param.
Beryllium (mg/L)	B-100	0.0006113	0.0002587	0.004	No	4	0.000435	0.00007767	0	None	No	0.01	Param.
Beryllium (mg/L)	B-102D	0.001543	0.0009569	0.004	No	4	0.00125	0.0001291	0	None	No	0.01	Param.
Beryllium (mg/L)	B-104D	0.001785	0.0009153	0.004	No	4	0.00135	0.0001915	0	None	No	0.01	Param.
Beryllium (mg/L)	B-56	0.001385	0.001015	0.004	No	4	0.0012	0.00008165	0	None	No	0.01	Param.
Beryllium (mg/L)	B-62	0.0005	0.000078	0.004	No	8	0.0002085	0.000181	25	None	No	0.004	NP (normality)
Beryllium (mg/L)	B-63	0.0004803	0.0003037	0.004	No	6	0.00041	0.00007797	16.67	Kaplan-Meier	No	0.01	Param.
Beryllium (mg/L)	B-77	0.0001464	0.00004658	0.004	No	6	0.0002267	0.0002142	33.33	Kaplan-Meier	ln(x)	0.01	Param.
Beryllium (mg/L)	B-82	0.001807	0.001073	0.004	No	5	0.00144	0.0002191	0	None	No	0.01	Param.
Beryllium (mg/L)	B-83	0.0006999	0.0001718	0.004	No	5	0.000404	0.000173	0	None	sqrt(x)	0.01	Param.
Beryllium (mg/L)	B-88	0.005	0.00063	0.004	No	4	0.002008	0.00202	0	None	No	0.0625	NP (selected)
Beryllium (mg/L)	B-93	0.01805	0.006467	0.004	Yes	5	0.01378	0.003942	0	None	x^3	0.01	Param.
Beryllium (mg/L)	B-97	0.0019	0.0015	0.004	No	4	0.001725	0.0002062	25	None	No	0.0625	NP (selected)
Beryllium (mg/L)	B-98	0.00087	0.0005	0.004	No	4	0.0005925	0.000185	75	None	No	0.0625	NP (NDs)
Beryllium (mg/L)	DGWC-10	0.009208	0.005678	0.004	Yes	14	0.007443	0.002492	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-11	0.003	0.00013	0.004	No	14	0.0004964	0.0007432	50	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-12	0.00049	0.00011	0.004	No	16	0.0003943	0.0007051	12.5	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-13	0.003	0.00007	0.004	No	14	0.0005256	0.000742	64.29	None	No	0.01	NP (NDs)
Beryllium (mg/L)	DGWC-15	0.003	0.00022	0.004	No	15	0.0006185	0.0006715	86.67	None	No	0.01	NP (NDs)
Beryllium (mg/L)	DGWC-17	0.0006188	0.0005265	0.004	No	15	0.0005727	0.00006808	13.33	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-19	0.0021	0.0017	0.004	No	15	0.001907	0.0004978	13.33	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-20	0.004866	0.002215	0.004	No	15	0.003673	0.002056	13.33	None	sqrt(x)	0.01	Param.
Beryllium (mg/L)	DGWC-21	0.0005	0.0001	0.004	No	15	0.000374	0.0007325	13.33	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-22	0.0005	0.00014	0.004	No	15	0.000376	0.0007316	13.33	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-23	0.0005	0.00038	0.004	No	15	0.000618	0.0006665	13.33	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-4	0.00028	0.00019	0.004	No	14	0.0004279	0.0007463	14.29	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-42	0.002738	0.002049	0.004	No	15	0.002333	0.0006576	6.667	None	x^2	0.01	Param.
Beryllium (mg/L)	DGWC-47	0.01281	0.009018	0.004	Yes	15	0.01091	0.002797	0	None	No	0.01	Param.

State Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Beryllium (mg/L)	DGWC-48	0.009234	0.007526	0.004	Yes	15	0.00838	0.00126	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-5	0.008688	0.006197	0.004	Yes	14	0.007443	0.001758	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-8	0.003201	0.001685	0.004	No	14	0.002443	0.00107	7.143	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-9	0.005896	0.004931	0.004	Yes	15	0.005413	0.000712	0	None	No	0.01	Param.
Cadmium (mg/L)	B-100	0.00059	0.00027	0.005	No	4	0.000355	0.000157	0	None	No	0.0625	NP (normality)
Cadmium (mg/L)	B-102D	0.0009243	0.0006021	0.005	No	4	0.0007775	0.00007274	0	None	x^2	0.01	Param.
Cadmium (mg/L)	B-56	0.0003178	0.0002172	0.005	No	4	0.0002675	0.00002217	0	None	No	0.01	Param.
Cadmium (mg/L)	B-63	0.0003199	0.00007013	0.005	No	4	0.0003475	0.0001817	50	Kaplan-Meier	No	0.01	Param.
Cadmium (mg/L)	B-82	0.0007939	0.0002981	0.005	No	5	0.000546	0.0001479	0	None	No	0.01	Param.
Cadmium (mg/L)	B-83	0.0004307	0.0002333	0.005	No	5	0.000332	0.00005891	0	None	No	0.01	Param.
Cadmium (mg/L)	B-88	0.008758	-0.003848	0.005	No	4	0.002455	0.002776	0	None	No	0.01	Param.
Cadmium (mg/L)	B-93	0.0009316	0.0006384	0.005	No	4	0.000785	0.00006455	0	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-10	0.001207	0.0008102	0.005	No	14	0.001009	0.0002801	0	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-11	0.0005	0.00016	0.005	No	14	0.0004221	0.0001549	78.57	None	No	0.01	NP (NDs)
Cadmium (mg/L)	DGWC-12	0.0003426	0.0002257	0.005	No	16	0.0003944	0.0001917	25	Kaplan-Meier	sqrt(x)	0.01	Param.
Cadmium (mg/L)	DGWC-13	0.0005	0.0002	0.005	No	14	0.0004486	0.0001328	85.71	Kaplan-Meier	No	0.01	NP (NDs)
Cadmium (mg/L)	DGWC-15	0.001	0.00012	0.005	No	15	0.0004287	0.0002377	73.33	Kaplan-Meier	No	0.01	NP (NDs)
Cadmium (mg/L)	DGWC-17	0.00033	0.00023	0.005	No	15	0.0002987	0.00009062	13.33	None	No	0.01	NP (normality)
Cadmium (mg/L)	DGWC-19	0.0005	0.00034	0.005	No	15	0.0004207	0.0001665	13.33	None	No	0.01	NP (normality)
Cadmium (mg/L)	DGWC-2	0.0002846	0.0001314	0.005	No	15	0.0003667	0.0002335	33.33	Kaplan-Meier	sqrt(x)	0.01	Param.
Cadmium (mg/L)	DGWC-20	0.002238	0.001722	0.005	No	15	0.00198	0.0003802	0	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-21	0.0007418	0.0004675	0.005	No	15	0.0006047	0.0002024	13.33	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-22	0.0007017	0.0004543	0.005	No	15	0.000578	0.0001826	13.33	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-23	0.0003	0.00019	0.005	No	15	0.0002967	0.0002115	13.33	None	No	0.01	NP (normality)
Cadmium (mg/L)	DGWC-4	0.0008282	0.0006103	0.005	No	14	0.0007193	0.0001538	14.29	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-42	0.001109	0.0004679	0.005	No	15	0.0008233	0.0005572	13.33	None	sqrt(x)	0.01	Param.
Cadmium (mg/L)	DGWC-47	0.002181	0.001246	0.005	No	15	0.001713	0.0006896	0	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-48	0.0042	0.0025	0.005	No	15	0.003527	0.001682	0	None	No	0.01	NP (normality)
Cadmium (mg/L)	DGWC-5	0.0008175	0.0004382	0.005	No	14	0.0006279	0.0002677	14.29	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-8	0.002516	0.00197	0.005	No	14	0.002243	0.0003857	0	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-9	0.0006732	0.0005032	0.005	No	15	0.0005927	0.0001373	13.33	None	x^(1/3)	0.01	Param.
Chromium (mg/L)	B-100	0.001223	0.0003828	0.1	No	4	0.002877	0.002456	50	Kaplan-Meier	sqrt(x)	0.01	Param.
Chromium (mg/L)	B-104D	0.005	0.0011	0.1	No	4	0.004025	0.00195	75	Kaplan-Meier	No	0.0625	NP (NDs)
Chromium (mg/L)	B-56	0.001914	0.00007551	0.1	No	4	0.002997	0.002336	50	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	B-62	0.005	0.00098	0.1	No	7	0.004426	0.001519	85.71	Kaplan-Meier	No	0.008	NP (NDs)
Chromium (mg/L)	B-63	0.005	0.00064	0.1	No	4	0.00391	0.00218	75	Kaplan-Meier	No	0.0625	NP (NDs)
Chromium (mg/L)	B-77	0.001858	0.0005328	0.1	No	6	0.00241	0.002072	33.33	Kaplan-Meier	ln(x)	0.01	Param.
Chromium (mg/L)	B-82	0.005	0.0011	0.1	No	5	0.00422	0.001744	80	Kaplan-Meier	No	0.031	NP (NDs)
Chromium (mg/L)	B-83	0.0051	0.0017	0.1	No	5	0.00394	0.001524	0	None	No	0.031	NP (selected)
Chromium (mg/L)	B-88	0.002116	0.0005176	0.1	No	4	0.002237	0.001875	25	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	B-93	0.005	0.00057	0.1	No	4	0.002807	0.002532	50	None	No	0.0625	NP (normality)
Chromium (mg/L)	DGWC-10	0.005	0.00078	0.1	No	14	0.002321	0.002074	35.71	None	No	0.01	NP (normality)
Chromium (mg/L)	DGWC-11	0.005	0.0006	0.1	No	14	0.003742	0.002064	71.43	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-12	0.005	0.00099	0.1	No	16	0.004496	0.001378	87.5	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-13	0.005	0.00074	0.1	No	14	0.003778	0.002006	71.43	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-15	0.01	0.00058	0.1	No	15	0.004423	0.002397	73.33	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-17	0.0035	0.0024	0.1	No	15	0.003047	0.0008651	13.33	None	No	0.01	NP (normality)
Chromium (mg/L)	DGWC-19	0.005	0.0023	0.1	No	15	0.00342	0.002022	20	None	No	0.01	NP (normality)
Chromium (mg/L)	DGWC-2	0.005	0.0005	0.1	No	15	0.003211	0.002268	60	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-20	0.002136	0.001443	0.1	No	15	0.003467	0.002385	40	Kaplan-Meier	ln(x)	0.01	Param.
Chromium (mg/L)	DGWC-21	0.005	0.0005	0.1	No	15	0.00333	0.002148	60	Kaplan-Meier	No	0.01	NP (NDs)

State Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	DGWC-22	0.005	0.0012	0.1	No	15	0.004747	0.0009812	93.33	Kaplan-Meier	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-23	0.005	0.0005	0.1	No	15	0.002187	0.002075	33.33	None	No	0.01	NP (normality)
Chromium (mg/L)	DGWC-4	0.005	0.0005	0.1	No	14	0.004679	0.001203	92.86	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-42	0.005	0.0005	0.1	No	15	0.003082	0.002157	53.33	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-47	0.005	0.0007	0.1	No	15	0.004713	0.00111	93.33	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-48	0.005	0.0007	0.1	No	15	0.004407	0.001567	86.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-5	0.005	0.00045	0.1	No	14	0.004675	0.001216	92.86	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-8	0.005	0.00086	0.1	No	14	0.003391	0.002002	57.14	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-9	0.0057	0.00059	0.1	No	15	0.003593	0.002173	60	None	No	0.01	NP (NDs)
Cobalt (mg/L)	B-100	0.087	0.029	0.032	No	6	0.058	0.02804	0	None	No	0.0155	NP (selected)
Cobalt (mg/L)	B-102D	0.01585	0.01215	0.032	No	4	0.014	0.0008165	0	None	No	0.01	Param.
Cobalt (mg/L)	B-104D	0.2361	-0.01451	0.032	No	4	0.1625	0.04272	0	None	x^2	0.01	Param.
Cobalt (mg/L)	B-111D	0.0009228	0.0004439	0.032	No	4	0.00112	0.0009256	25	Kaplan-Meier	x^(1/3)	0.01	Param.
Cobalt (mg/L)	B-56	0.05421	0.03629	0.032	Yes	4	0.04525	0.003948	0	None	No	0.01	Param.
Cobalt (mg/L)	B-62	0.0025	0.0003	0.032	No	7	0.001873	0.001071	71.43	None	No	0.008	NP (NDs)
Cobalt (mg/L)	B-63	0.0547	0.0353	0.032	Yes	5	0.045	0.005788	0	None	No	0.01	Param.
Cobalt (mg/L)	B-66	0.01241	0.003754	0.032	No	5	0.00758	0.003665	20	Kaplan-Meier	No	0.01	Param.
Cobalt (mg/L)	B-77	0.0031	0.0004	0.032	No	6	0.001817	0.0009725	16.67	None	No	0.0155	NP (selected)
Cobalt (mg/L)	B-82	0.007804	0.0003291	0.032	No	6	0.004067	0.002721	0	None	No	0.01	Param.
Cobalt (mg/L)	B-83	0.021	0.0073	0.032	No	5	0.01344	0.005791	0	None	No	0.031	NP (selected)
Cobalt (mg/L)	B-88	0.022	0.0015	0.032	No	5	0.00928	0.009906	0	None	No	0.031	NP (selected)
Cobalt (mg/L)	B-93	0.069	0.0594	0.032	Yes	5	0.0642	0.002864	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-10	0.1888	0.1413	0.032	Yes	14	0.1537	0.04866	0	None	x^4	0.01	Param.
Cobalt (mg/L)	DGWC-11	0.0025	0.0006	0.032	No	14	0.001481	0.0009221	42.86	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-12	0.013	0.0021	0.032	No	16	0.008125	0.009711	12.5	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-13	0.0025	0.0005	0.032	No	14	0.002056	0.0008832	78.57	None	No	0.01	NP (NDs)
Cobalt (mg/L)	DGWC-15	0.0028	0.0016	0.032	No	15	0.003653	0.005947	6.667	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-17	0.02716	0.02022	0.032	No	15	0.02313	0.00641	6.667	None	x^2	0.01	Param.
Cobalt (mg/L)	DGWC-19	0.05331	0.04925	0.032	Yes	15	0.05128	0.002996	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-2	0.0284	0.0062	0.032	No	15	0.01761	0.01155	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-20	0.6394	0.4659	0.032	Yes	15	0.5575	0.1355	0	None	x^(1/3)	0.01	Param.
Cobalt (mg/L)	DGWC-21	0.009773	0.008552	0.032	No	15	0.00862	0.002141	13.33	None	x^6	0.01	Param.
Cobalt (mg/L)	DGWC-22	0.009945	0.007492	0.032	No	15	0.008533	0.002244	13.33	None	x^2	0.01	Param.
Cobalt (mg/L)	DGWC-23	0.005	0.00039	0.032	No	15	0.00183	0.001357	60	None	No	0.01	NP (NDs)
Cobalt (mg/L)	DGWC-4	0.0021	0.0015	0.032	No	14	0.002021	0.000904	14.29	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-42	0.04451	0.01723	0.032	No	15	0.03087	0.02013	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-47	0.3858	0.253	0.032	Yes	15	0.3194	0.09792	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-48	0.5073	0.402	0.032	Yes	15	0.4547	0.07771	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-5	0.04	0.02	0.032	No	14	0.02794	0.01109	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-8	0.0878	0.04412	0.032	Yes	14	0.06596	0.03083	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-9	0.201	0.1437	0.032	Yes	15	0.1724	0.04231	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-100	1.4	0.168	5.61	No	4	0.7853	0.5031	0	None	No	0.0625	NP (selected)
Combined Radium 226 + 228 (pCi/L)	B-102D	1.74	0.635	5.61	No	4	1.096	0.4956	0	None	No	0.0625	NP (selected)
Combined Radium 226 + 228 (pCi/L)	B-104D	21.26	6.892	5.61	Yes	4	14.08	3.164	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-111D	16.31	1.377	5.61	No	4	8.843	3.288	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-56	1.617	0.5846	5.61	No	4	1.101	0.2275	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-62	2.02	1.173	5.61	No	6	1.597	0.3082	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-77	2.17	0.617	5.61	No	5	1.516	0.7658	0	None	No	0.031	NP (selected)
Combined Radium 226 + 228 (pCi/L)	B-82	1.18	0.3541	5.61	No	4	0.7673	0.182	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-83	1.15	0.0359	5.61	No	5	0.674	0.4409	0	None	No	0.031	NP (selected)
Combined Radium 226 + 228 (pCi/L)	B-88	2.84	0.771	5.61	No	4	1.752	1.056	0	None	No	0.0625	NP (selected)

State Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:30 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-93	2.371	0.3074	5.61	No 4	1.339	0.4544	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-10	1.497	1.071	5.61	No 15	1.284	0.314	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-11	1.272	0.6667	5.61	No 15	0.9694	0.4467	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-12	1.27	0.4013	5.61	No 15	0.8984	0.714	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-13	1.484	1.036	5.61	No 15	1.26	0.3303	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-14	1.103	0.6919	5.61	No 15	0.8972	0.303	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-15	1.553	0.551	5.61	No 15	1.118	0.8748	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-17	1.05	0.5723	5.61	No 15	0.8113	0.3526	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-19	1.04	0.5062	5.61	No 15	0.7733	0.3942	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-2	1.444	0.8924	5.61	No 15	1.168	0.4067	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-20	1.543	0.8767	5.61	No 15	1.21	0.4913	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-21	1.125	0.5866	5.61	No 15	0.8557	0.3972	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-22	1.364	0.733	5.61	No 15	1.049	0.4659	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-23	1.489	0.7765	5.61	No 15	1.133	0.5259	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-4	1.721	1.187	5.61	No 15	1.454	0.3939	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-42	1.169	0.7309	5.61	No 15	0.9499	0.3231	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-47	2.903	1.785	5.61	No 15	2.344	0.8249	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-48	2.415	1.602	5.61	No 15	2.03	0.6435	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-5	1.839	1.024	5.61	No 15	1.431	0.6015	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-8	0.841	0.4794	5.61	No 15	0.6602	0.2668	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-9	1.439	0.9531	5.61	No 15	1.196	0.3583	0	None	No	0.01	Param.
Fluoride, total (mg/L)	B-102D	0.11	0.077	4	No 4	0.08725	0.01537	0	None	No	0.0625	NP (normality)
Fluoride, total (mg/L)	B-104D	0.5774	0.2326	4	No 4	0.405	0.07594	0	None	No	0.01	Param.
Fluoride, total (mg/L)	B-111D	0.7199	0.1451	4	No 4	0.4325	0.1266	0	None	No	0.01	Param.
Fluoride, total (mg/L)	B-56	0.34	0.098	4	No 4	0.207	0.09985	0	None	No	0.0625	NP (selected)
Fluoride, total (mg/L)	B-62	0.3546	0.06003	4	No 6	0.1855	0.1295	0	None	x^(1/3)	0.01	Param.
Fluoride, total (mg/L)	B-77	0.1	0.078	4	No 5	0.0948	0.00955	60	None	No	0.031	NP (NDs)
Fluoride, total (mg/L)	B-82	0.2	0.052	4	No 4	0.113	0.06226	50	None	No	0.0625	NP (selected)
Fluoride, total (mg/L)	B-83	0.1232	0.02857	4	No 5	0.0834	0.0317	20	Kaplan-Meier	No	0.01	Param.
Fluoride, total (mg/L)	B-93	0.3685	0.2815	4	No 4	0.325	0.01915	0	None	No	0.01	Param.
Fluoride, total (mg/L)	DGWC-10	1.862	1.347	4	No 16	1.604	0.3955	0	None	No	0.01	Param.
Fluoride, total (mg/L)	DGWC-11	0.1	0.052	4	No 15	0.0804	0.0261	60	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-12	0.1641	0.05529	4	No 16	0.1588	0.1448	37.5	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride, total (mg/L)	DGWC-13	0.2134	0.08589	4	No 15	0.157	0.1093	6.667	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	DGWC-14	0.1	0.052	4	No 16	0.08588	0.02643	68.75	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-15	0.11	0.079	4	No 16	0.1054	0.04361	62.5	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-17	0.2722	0.09774	4	No 16	0.2039	0.1552	12.5	None	x^(1/3)	0.01	Param.
Fluoride, total (mg/L)	DGWC-19	0.5135	0.1749	4	No 16	0.3713	0.313	6.25	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	DGWC-2	0.28	0.052	4	No 16	0.1429	0.1586	37.5	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	DGWC-20	0.9494	0.4006	4	No 16	0.675	0.4218	6.25	None	No	0.01	Param.
Fluoride, total (mg/L)	DGWC-21	0.14	0.07	4	No 16	0.107	0.06664	62.5	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-22	0.13	0.09	4	No 16	0.1185	0.06532	50	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	DGWC-23	0.2262	0.09243	4	No 16	0.1852	0.1558	6.25	None	ln(x)	0.01	Param.
Fluoride, total (mg/L)	DGWC-4	0.17	0.082	4	No 16	0.1364	0.1776	68.75	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-42	0.1	0.06	4	No 16	0.0925	0.02176	87.5	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-47	1.146	0.5167	4	No 16	0.8313	0.4835	0	None	No	0.01	Param.
Fluoride, total (mg/L)	DGWC-48	1.19	0.6114	4	No 16	0.9006	0.4445	0	None	No	0.01	Param.
Fluoride, total (mg/L)	DGWC-5	0.7808	0.2378	4	No 15	0.5667	0.4567	6.667	None	x^(1/3)	0.01	Param.
Fluoride, total (mg/L)	DGWC-8	0.4095	0.1193	4	No 15	0.2868	0.2338	13.33	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	DGWC-9	1.391	0.9657	4	No 16	1.178	0.3265	0	None	No	0.01	Param.
Lead (mg/L)	B-100	0.0003036	0.00005528	0.001	No 4	0.0003695	0.0004235	25	Kaplan-Meier	sqrt(x)	0.01	Param.

State Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lead (mg/L)	B-102D	0.001	0.000037	0.001	No	4	0.0002865	0.0004758	25	None	No	0.0625	NP (normality)
Lead (mg/L)	B-104D	0.001	0.000051	0.001	No	4	0.0007628	0.0004745	75	None	No	0.0625	NP (NDs)
Lead (mg/L)	B-111D	0.001	0.000051	0.001	No	4	0.0005273	0.0005459	50	None	No	0.0625	NP (normality)
Lead (mg/L)	B-56	0.0002854	0.00003627	0.001	No	4	0.0003528	0.0004355	25	Kaplan-Meier	sqrt(x)	0.01	Param.
Lead (mg/L)	B-63	0.001	0.000047	0.001	No	4	0.00053	0.0005428	50	None	No	0.0625	NP (normality)
Lead (mg/L)	B-77	0.0016	0.00021	0.001	No	6	0.0007367	0.000554	33.33	None	No	0.0155	NP (selected)
Lead (mg/L)	B-82	0.0001911	0.00004858	0.001	No	5	0.0004658	0.000489	40	Kaplan-Meier	x^(1/3)	0.01	Param.
Lead (mg/L)	B-83	0.001	0.000065	0.001	No	5	0.000455	0.0004634	20	None	No	0.031	NP (selected)
Lead (mg/L)	B-88	0.02767	0.00004865	0.001	No	4	0.00354	0.005647	25	Kaplan-Meier	ln(x)	0.01	Param.
Lead (mg/L)	B-93	0.001	0.00012	0.001	No	4	0.00056	0.0005081	50	None	No	0.0625	NP (normality)
Lead (mg/L)	DGWC-10	0.001	0.00011	0.001	No	14	0.0006273	0.0004481	57.14	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-11	0.001	0.0001	0.001	No	14	0.0006785	0.0004481	64.29	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-12	0.001	0.00011	0.001	No	16	0.0008881	0.0003057	87.5	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-13	0.001	0.0002	0.001	No	14	0.0008784	0.0003097	85.71	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-14	0.001	0.000096	0.001	No	15	0.0008149	0.0003834	80	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-15	0.0012	0.0001	0.001	No	15	0.0007161	0.0004487	60	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-17	0.001	0.00009	0.001	No	15	0.0005862	0.0004585	53.33	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-19	0.001	0.00007	0.001	No	15	0.0007059	0.0004334	66.67	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-2	0.001	0.000086	0.001	No	15	0.0005156	0.0004693	46.67	None	No	0.01	NP (normality)
Lead (mg/L)	DGWC-20	0.001	0.00015	0.001	No	15	0.0007311	0.0003691	60	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-21	0.001	0.00014	0.001	No	15	0.0006177	0.0004296	53.33	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-23	0.001	0.000066	0.001	No	15	0.0009377	0.0002412	93.33	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-4	0.001	0.00012	0.001	No	14	0.0007478	0.0004149	71.43	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-42	0.0004678	0.0001549	0.001	No	15	0.0008147	0.001228	20	Kaplan-Meier	ln(x)	0.01	Param.
Lead (mg/L)	DGWC-47	0.0011	0.00053	0.001	No	15	0.001081	0.001106	26.67	None	No	0.01	NP (normality)
Lead (mg/L)	DGWC-48	0.0022	0.00095	0.001	No	15	0.001664	0.001169	13.33	None	No	0.01	NP (normality)
Lead (mg/L)	DGWC-5	0.001	0.000051	0.001	No	14	0.0005984	0.0006777	35.71	None	No	0.01	NP (normality)
Lead (mg/L)	DGWC-8	0.001	0.00011	0.001	No	14	0.0006273	0.0004132	50	None	No	0.01	NP (normality)
Lead (mg/L)	DGWC-9	0.001	0.00028	0.001	No	15	0.00084	0.0003323	80	None	No	0.01	NP (NDs)
Lithium (mg/L)	B-100	0.003519	0.0007815	0.03	No	4	0.00215	0.0006028	0	None	No	0.01	Param.
Lithium (mg/L)	B-102D	0.01666	0.009844	0.03	No	4	0.01325	0.0015	0	None	No	0.01	Param.
Lithium (mg/L)	B-104D	0.04121	0.03479	0.03	Yes	4	0.038	0.001414	0	None	No	0.01	Param.
Lithium (mg/L)	B-111D	0.029	0.021	0.03	No	4	0.02475	0.004349	0	None	No	0.0625	NP (selected)
Lithium (mg/L)	B-56	0.005968	0.004632	0.03	No	4	0.0053	0.0002944	0	None	No	0.01	Param.
Lithium (mg/L)	B-62	0.015	0.0078	0.03	No	7	0.0094	0.002532	14.29	None	No	0.008	NP (normality)
Lithium (mg/L)	B-63	0.015	0.0062	0.03	No	5	0.00812	0.003849	20	None	No	0.031	NP (normality)
Lithium (mg/L)	B-77	0.015	0.00095	0.03	No	6	0.004525	0.005339	16.67	None	No	0.0155	NP (selected)
Lithium (mg/L)	B-82	0.0039	0.001	0.03	No	5	0.00222	0.001422	0	None	No	0.031	NP (selected)
Lithium (mg/L)	B-83	0.004551	0.0009685	0.03	No	5	0.00276	0.001069	0	None	No	0.01	Param.
Lithium (mg/L)	B-88	0.029	0.0016	0.03	No	4	0.009575	0.01311	0	None	No	0.0625	NP (selected)
Lithium (mg/L)	B-93	0.012	0.011	0.03	No	4	0.01125	0.0005	0	None	No	0.0625	NP (normality)
Lithium (mg/L)	DGWC-10	0.006793	0.002702	0.03	No	14	0.005343	0.004279	14.29	None	ln(x)	0.01	Param.
Lithium (mg/L)	DGWC-11	0.0028	0.0019	0.03	No	14	0.003186	0.003418	7.143	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-12	0.015	0.0011	0.03	No	16	0.01064	0.006685	68.75	None	No	0.01	NP (NDs)
Lithium (mg/L)	DGWC-13	0.0036	0.0029	0.03	No	14	0.004879	0.004297	14.29	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-14	0.0044	0.0032	0.03	No	15	0.00472	0.003078	6.667	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-15	0.0066	0.0058	0.03	No	14	0.00625	0.0008465	0	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-17	0.015	0.00096	0.03	No	15	0.009434	0.007057	60	None	No	0.01	NP (NDs)
Lithium (mg/L)	DGWC-19	0.0035	0.003	0.03	No	15	0.003993	0.003053	6.667	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-2	0.085	0.023	0.03	No	15	0.04906	0.03031	6.667	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-20	0.012	0.0021	0.03	No	15	0.006407	0.005611	6.667	None	No	0.01	NP (normality)

State Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lithium (mg/L)	DGWC-21	0.0065	0.0057	0.03	No	15	0.00656	0.00236	6.667	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-22	0.0046	0.0037	0.03	No	15	0.00484	0.002836	6.667	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-23	0.01279	0.003816	0.03	No	15	0.01165	0.01832	6.667	None	ln(x)	0.01	Param.
Lithium (mg/L)	DGWC-4	0.0035	0.0025	0.03	No	14	0.003786	0.003256	7.143	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-42	0.01268	0.01007	0.03	No	15	0.01137	0.001928	6.667	None	No	0.01	Param.
Lithium (mg/L)	DGWC-47	0.07457	0.05787	0.03	Yes	15	0.06622	0.01232	0	None	No	0.01	Param.
Lithium (mg/L)	DGWC-48	0.1269	0.106	0.03	Yes	15	0.1165	0.01544	0	None	No	0.01	Param.
Lithium (mg/L)	DGWC-5	0.008199	0.004206	0.03	No	14	0.006343	0.003062	7.143	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	DGWC-8	0.0072	0.0045	0.03	No	14	0.006036	0.002823	7.143	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-9	0.02931	0.02328	0.03	No	15	0.02629	0.004445	6.667	None	No	0.01	Param.
Mercury (mg/L)	B-104D	0.0002	0.000079	0.002	No	4	0.0001697	0.0000605	75	None	No	0.0625	NP (NDs)
Mercury (mg/L)	B-111D	0.0002	0.000094	0.002	No	4	0.0001735	0.000053	75	None	No	0.0625	NP (NDs)
Mercury (mg/L)	B-56	0.0002	0.00016	0.002	No	4	0.00019	0.00002	75	None	No	0.0625	NP (NDs)
Mercury (mg/L)	B-82	0.0002	0.00011	0.002	No	5	0.000182	0.00004025	80	None	No	0.031	NP (NDs)
Mercury (mg/L)	B-88	0.0002	0.0001	0.002	No	4	0.0001525	0.000055	50	None	No	0.0625	NP (normality)
Mercury (mg/L)	B-93	0.00036	0.00001396	0.002	No	4	0.000187	0.00007622	0	None	No	0.01	Param.
Mercury (mg/L)	DGWC-10	0.0002	0.000081	0.002	No	14	0.0001658	0.00005628	71.43	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-11	0.0002	0.00008	0.002	No	14	0.0001707	0.0000585	78.57	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-12	0.0002	0.00008	0.002	No	16	0.0001541	0.00006456	62.5	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-13	0.0002	0.00009	0.002	No	14	0.0001829	0.00004375	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-14	0.0002	0.00008	0.002	No	15	0.0001727	0.00005688	80	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-15	0.0002	0.00006	0.002	No	15	0.0001907	0.00003615	93.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-17	0.0002	0.00006	0.002	No	15	0.0001404	0.00006361	46.67	None	No	0.01	NP (normality)
Mercury (mg/L)	DGWC-19	0.0002	0.00009	0.002	No	15	0.000172	0.00005882	80	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-2	0.00064	0.000083	0.002	No	15	0.0002049	0.0001304	73.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-20	0.0002	0.00009	0.002	No	15	0.0001767	0.00004835	80	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-21	0.0002	0.00006	0.002	No	15	0.000158	0.00006327	66.67	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-22	0.0002	0.0001	0.002	No	15	0.0001677	0.00005729	73.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-23	0.0002053	0.0001241	0.002	No	15	0.0001853	0.0000573	26.67	Kaplan-Meier	No	0.01	Param.
Mercury (mg/L)	DGWC-4	0.00059	0.00013	0.002	No	14	0.0002059	0.0001192	71.43	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-42	0.0002	0.00004	0.002	No	15	0.0001893	0.00004131	93.33	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-48	0.0002	0.00006	0.002	No	15	0.0001907	0.00003615	93.33	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-5	0.0002402	0.0001202	0.002	No	14	0.0001924	0.0001175	14.29	None	ln(x)	0.01	Param.
Mercury (mg/L)	DGWC-8	0.0002	0.000079	0.002	No	14	0.0001494	0.00006312	57.14	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-9	0.00021	0.00013	0.002	No	15	0.0001881	0.00008736	46.67	None	No	0.01	NP (normality)
Molybdenum (mg/L)	B-104D	0.01	0.0012	0.041	No	4	0.0078	0.0044	75	None	No	0.0625	NP (NDs)
Molybdenum (mg/L)	B-111D	0.01817	0.002799	0.041	No	4	0.00765	0.003615	0	None	ln(x)	0.01	Param.
Molybdenum (mg/L)	B-66	0.01	0.0015	0.041	No	4	0.005825	0.004822	50	None	No	0.0625	NP (normality)
Molybdenum (mg/L)	B-88	0.01	0.0012	0.041	No	4	0.0056	0.005081	50	None	No	0.0625	NP (normality)
Molybdenum (mg/L)	DGWC-13	0.0262	0.01302	0.041	No	14	0.01961	0.009301	0	None	No	0.01	Param.
Molybdenum (mg/L)	DGWC-2	0.01	0.0018	0.041	No	15	0.005093	0.004167	40	None	No	0.01	NP (normality)
Molybdenum (mg/L)	DGWC-23	0.01117	0.00682	0.041	No	15	0.008993	0.003208	0	None	No	0.01	Param.
Molybdenum (mg/L)	DGWC-4	0.007258	0.004757	0.041	No	14	0.006007	0.001765	7.143	None	No	0.01	Param.
Selenium (mg/L)	B-100	0.005	0.0019	0.05	No	4	0.004225	0.00155	75	None	No	0.0625	NP (NDs)
Selenium (mg/L)	B-104D	0.004053	0.0006472	0.05	No	4	0.003675	0.001648	50	Kaplan-Meier	No	0.01	Param.
Selenium (mg/L)	B-111D	0.005	0.0022	0.05	No	4	0.0043	0.0014	75	None	No	0.0625	NP (NDs)
Selenium (mg/L)	B-56	0.029	0.011	0.05	No	4	0.016	0.008718	0	None	No	0.0625	NP (normality)
Selenium (mg/L)	B-77	0.005	0.0017	0.05	No	6	0.00445	0.001347	83.33	None	No	0.0155	NP (NDs)
Selenium (mg/L)	B-82	0.005	0.0016	0.05	No	5	0.00374	0.001734	60	None	No	0.031	NP (NDs)
Selenium (mg/L)	B-83	0.02981	0.006668	0.05	No	5	0.01824	0.006906	0	None	No	0.01	Param.
Selenium (mg/L)	B-88	0.004472	0.0007278	0.05	No	4	0.0026	0.0008246	0	None	No	0.01	Param.

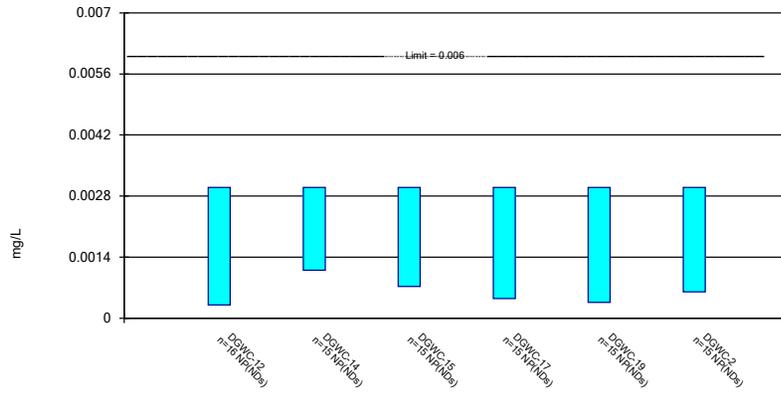
State Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Selenium (mg/L)	B-93	0.036	0.0076	0.05	No	4	0.01788	0.01288	0	None	No	0.0625	NP (selected)
Selenium (mg/L)	DGWC-10	0.05289	0.02215	0.05	No	14	0.03752	0.0217	0	None	No	0.01	Param.
Selenium (mg/L)	DGWC-12	0.005	0.0017	0.05	No	16	0.003931	0.002266	56.25	None	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-13	0.004442	0.0019	0.05	No	14	0.004307	0.00244	21.43	Kaplan-Meier	No	0.01	Param.
Selenium (mg/L)	DGWC-14	0.01	0.0017	0.05	No	15	0.004227	0.002257	66.67	Kaplan-Meier	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-15	0.01	0.0018	0.05	No	15	0.00512	0.001582	93.33	Kaplan-Meier	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-17	0.009189	0.006423	0.05	No	15	0.007953	0.002359	13.33	None	ln(x)	0.01	Param.
Selenium (mg/L)	DGWC-19	0.008946	0.005774	0.05	No	15	0.00736	0.00234	13.33	None	No	0.01	Param.
Selenium (mg/L)	DGWC-2	0.0053	0.0045	0.05	No	15	0.005193	0.001557	46.67	None	No	0.01	NP (normality)
Selenium (mg/L)	DGWC-20	0.06742	0.0338	0.05	No	15	0.05061	0.02481	0	None	No	0.01	Param.
Selenium (mg/L)	DGWC-22	0.005	0.0017	0.05	No	15	0.00478	0.0008521	93.33	None	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-4	0.005	0.0014	0.05	No	14	0.004743	0.0009621	92.86	None	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-47	0.01301	0.005259	0.05	No	15	0.009133	0.005718	13.33	None	No	0.01	Param.
Selenium (mg/L)	DGWC-48	0.008046	0.003594	0.05	No	15	0.00582	0.003285	13.33	None	No	0.01	Param.
Selenium (mg/L)	DGWC-5	0.0457	0.00964	0.05	No	14	0.03263	0.04214	7.143	None	x^(1/3)	0.01	Param.
Selenium (mg/L)	DGWC-8	0.00408	0.002153	0.05	No	14	0.004586	0.002144	50	Kaplan-Meier	sqrt(x)	0.01	Param.
Selenium (mg/L)	DGWC-9	0.1308	0.05207	0.05	Yes	15	0.09144	0.0581	0	None	No	0.01	Param.
Thallium (mg/L)	B-56	0.0003212	0.0001238	0.002	No	4	0.0002225	0.00004349	0	None	No	0.01	Param.
Thallium (mg/L)	B-82	0.001	0.000099	0.002	No	5	0.0006418	0.0004905	60	None	No	0.031	NP (NDs)
Thallium (mg/L)	B-83	0.001	0.000072	0.002	No	5	0.0008144	0.000415	80	None	No	0.031	NP (NDs)
Thallium (mg/L)	B-88	0.001	0.0002	0.002	No	4	0.0008	0.0004	75	None	No	0.0625	NP (NDs)
Thallium (mg/L)	DGWC-10	0.0006	0.00036	0.002	No	14	0.0004907	0.0002285	14.29	None	No	0.01	NP (normality)
Thallium (mg/L)	DGWC-12	0.001	0.00009	0.002	No	16	0.0006042	0.0004636	56.25	None	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-17	0.001	0.00017	0.002	No	15	0.000398	0.0003761	26.67	None	No	0.01	NP (normality)
Thallium (mg/L)	DGWC-19	0.00059	0.00049	0.002	No	15	0.000544	0.0001384	6.667	None	No	0.01	NP (normality)
Thallium (mg/L)	DGWC-20	0.000988	0.0005219	0.002	No	15	0.000942	0.0004995	26.67	Kaplan-Meier	ln(x)	0.01	Param.
Thallium (mg/L)	DGWC-22	0.001	0.000064	0.002	No	15	0.0006889	0.0004554	66.67	Kaplan-Meier	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-4	0.001	0.000073	0.002	No	14	0.0009338	0.0002478	92.86	None	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-42	0.001	0.00009	0.002	No	15	0.0007559	0.000419	73.33	None	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-47	0.00036	0.0002	0.002	No	15	0.0003513	0.0002684	13.33	None	No	0.01	NP (normality)
Thallium (mg/L)	DGWC-48	0.001	0.00008	0.002	No	15	0.0006937	0.0004484	66.67	None	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-5	0.001	0.0002	0.002	No	14	0.00081	0.0003787	78.57	None	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-8	0.001	0.00019	0.002	No	14	0.0003886	0.0003356	21.43	None	No	0.01	NP (normality)
Thallium (mg/L)	DGWC-9	0.001	0.00043	0.002	No	15	0.0007027	0.0002443	33.33	None	No	0.01	NP (normality)

Non-Parametric Confidence Interval

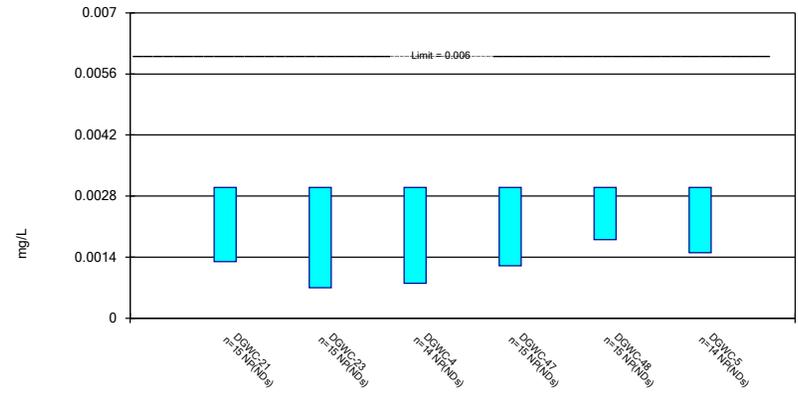
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Antimony Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

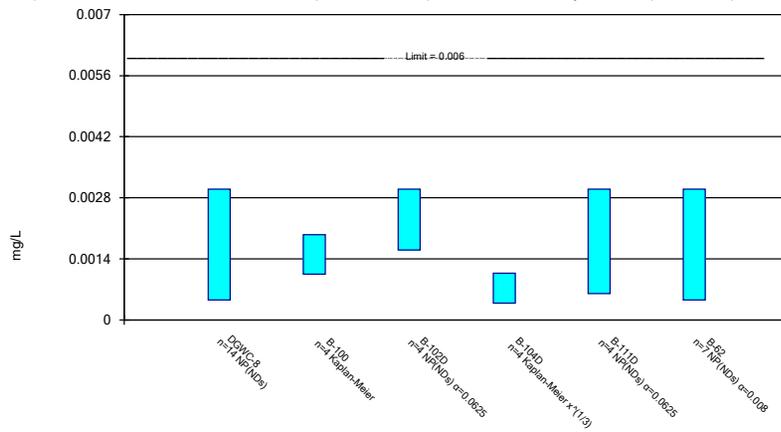
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Constituent: Antimony Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

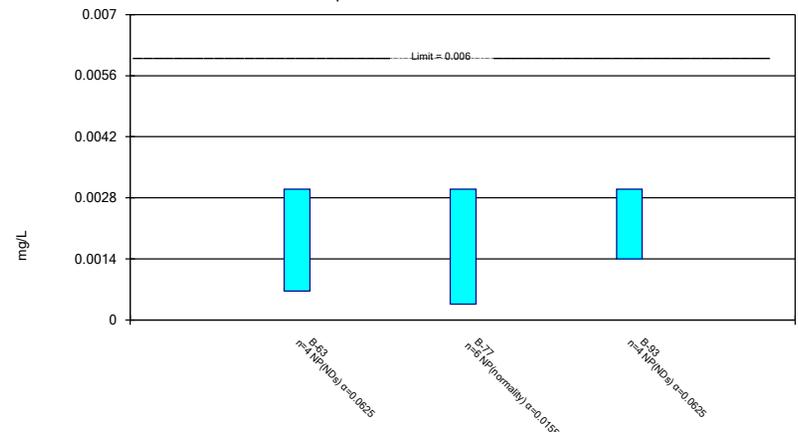
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Antimony Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

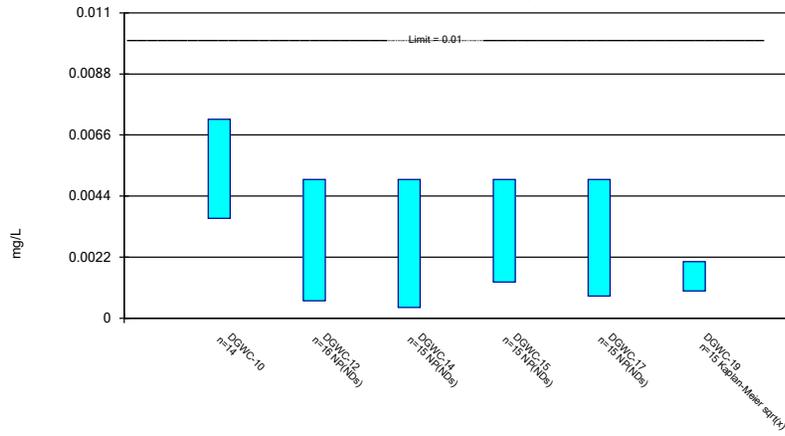
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Constituent: Antimony Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

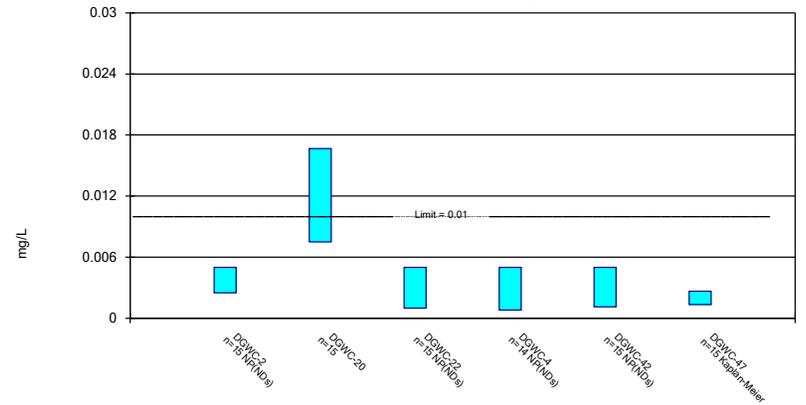
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

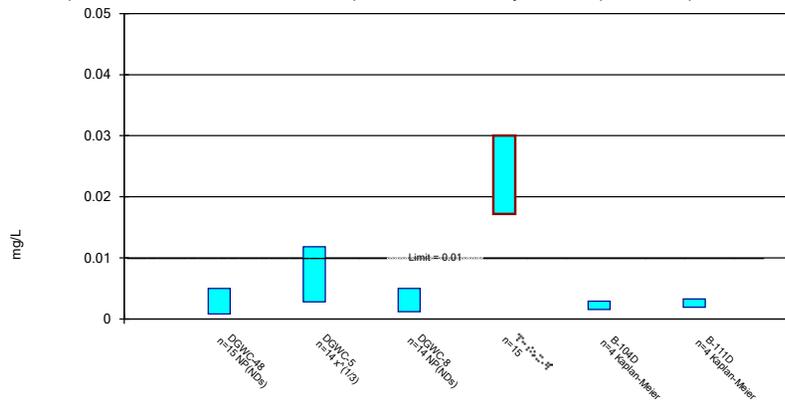
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

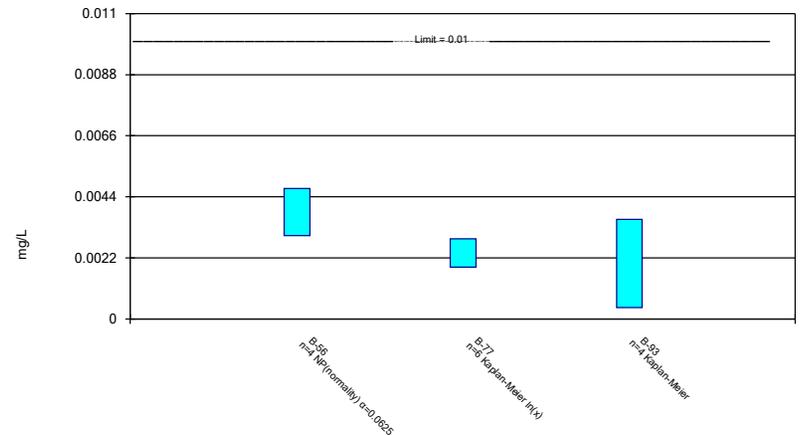
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

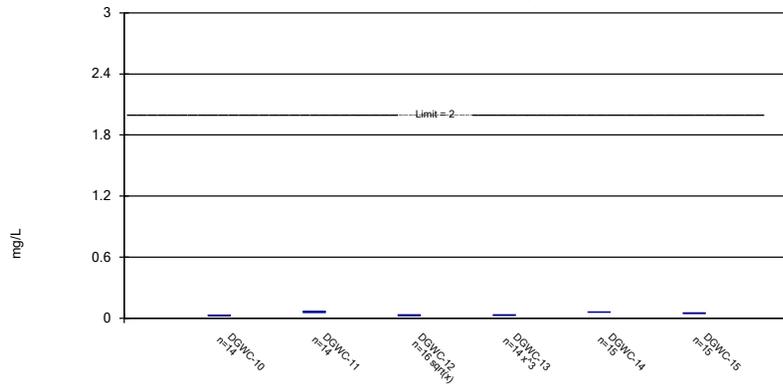
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

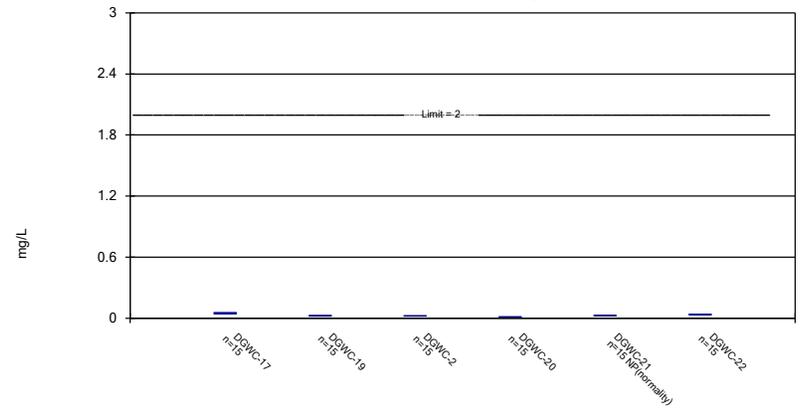
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

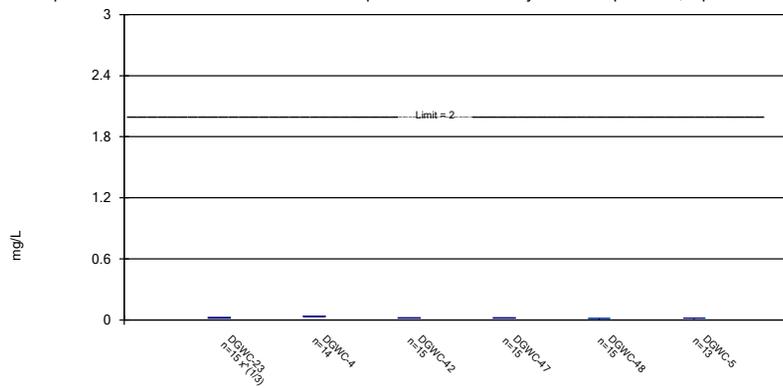
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

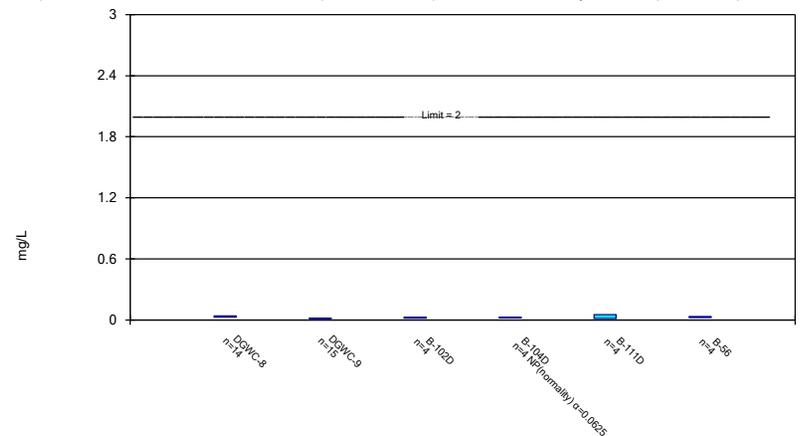
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

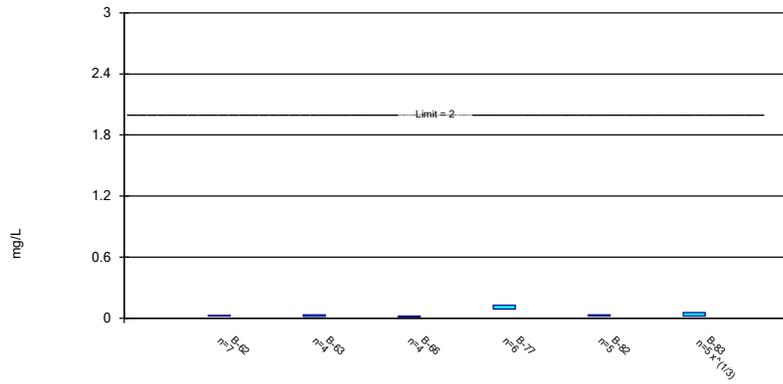
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

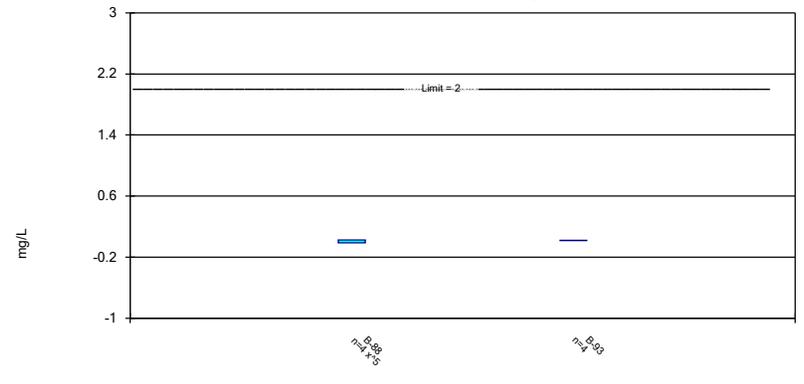
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

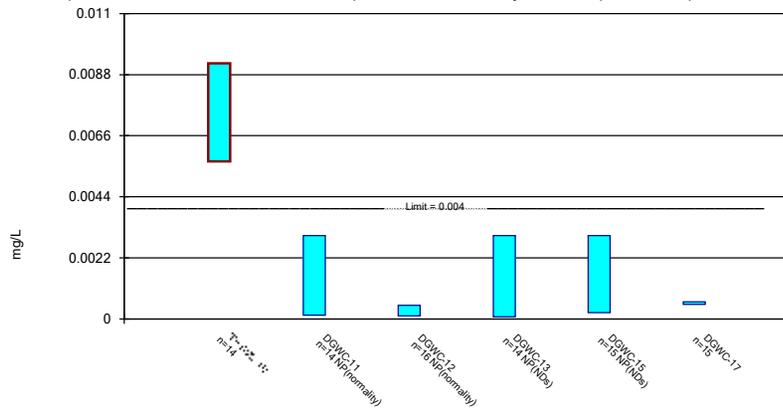
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

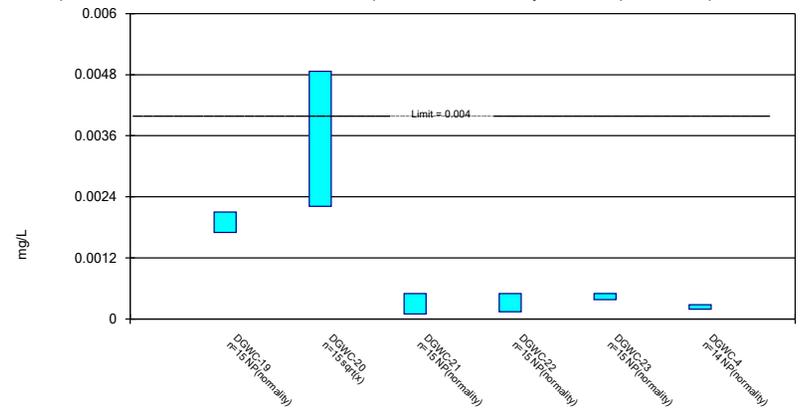
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Beryllium Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

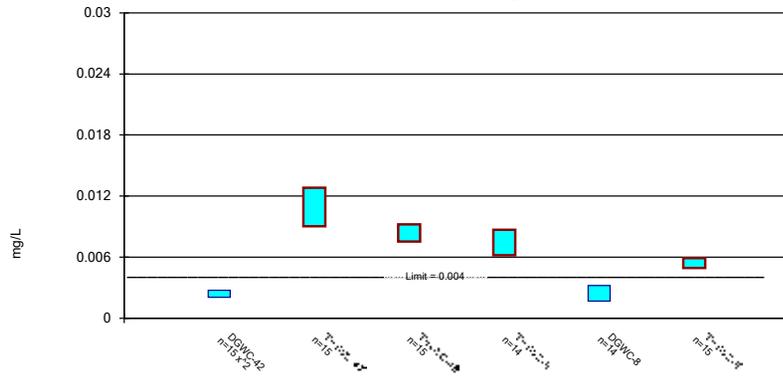
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Beryllium Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

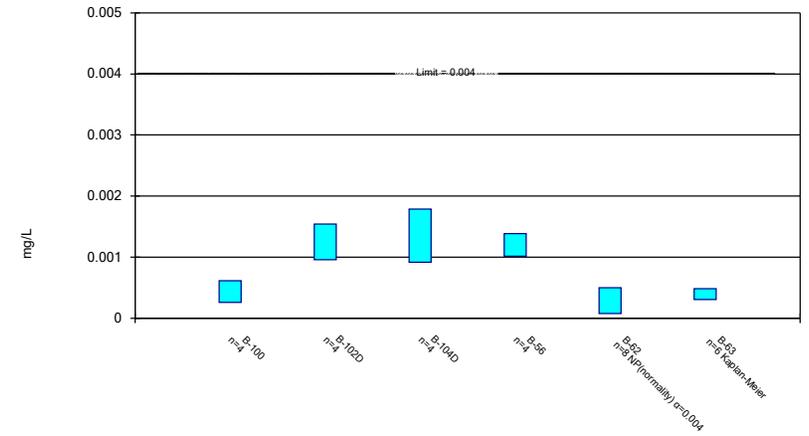
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Beryllium Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

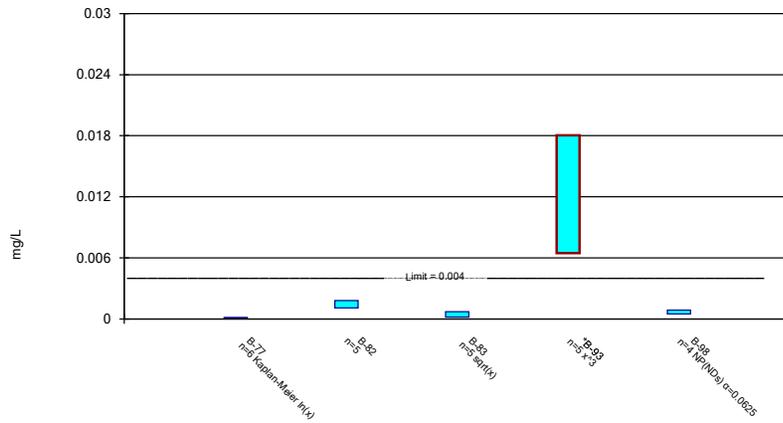
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Beryllium Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

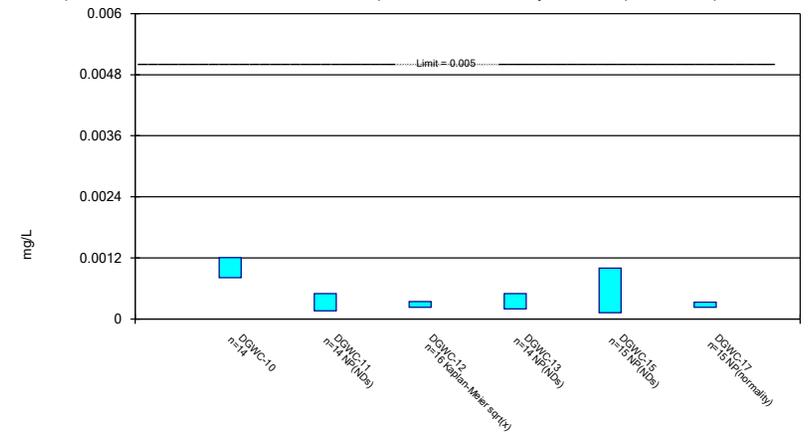
Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Beryllium Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

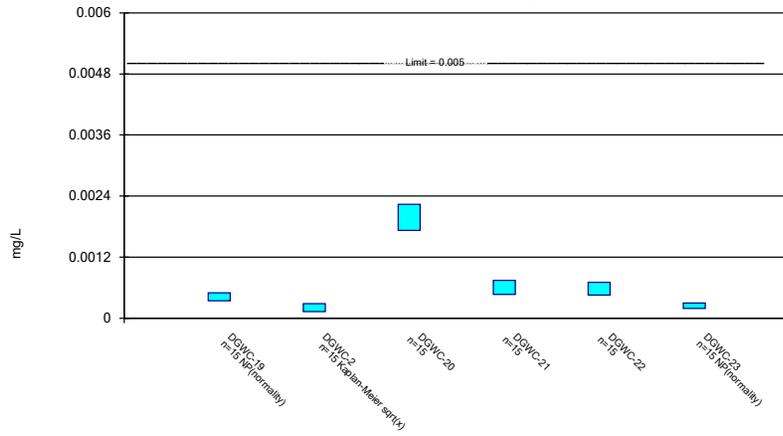
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cadmium Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

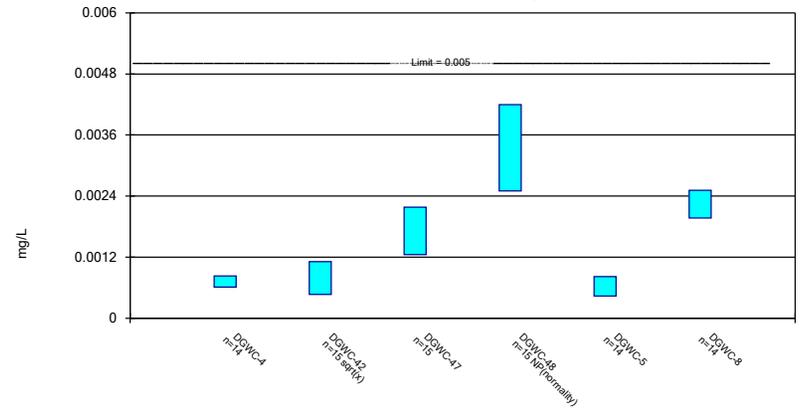
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cadmium Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

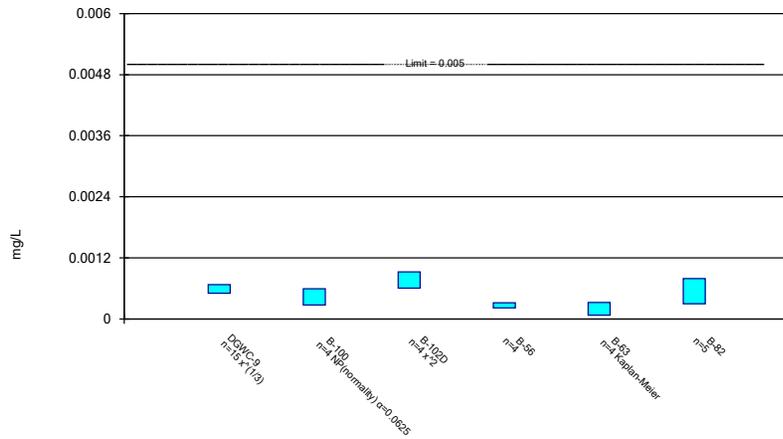
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cadmium Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

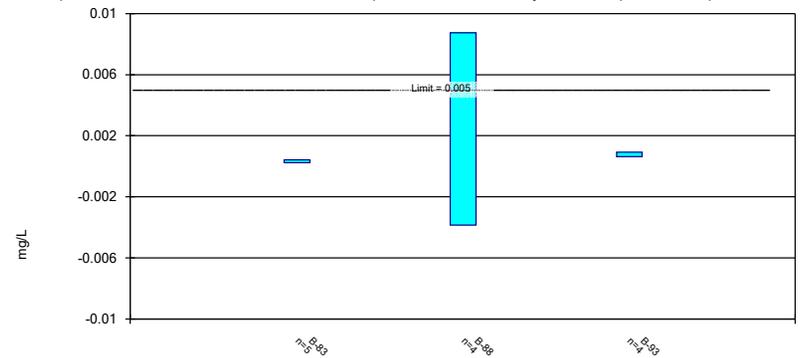
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cadmium Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

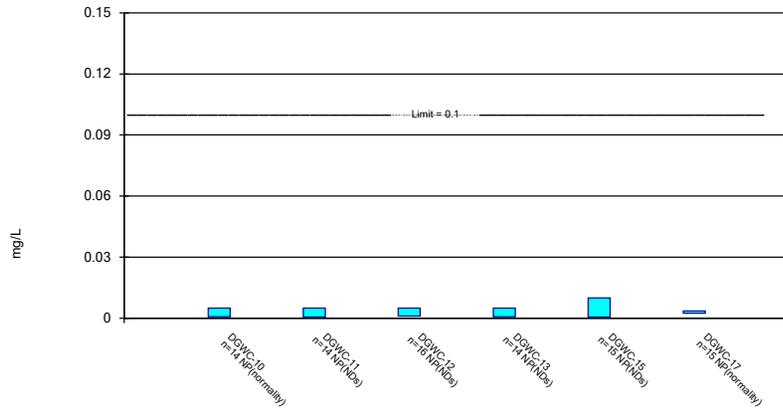
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Constituent: Cadmium Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

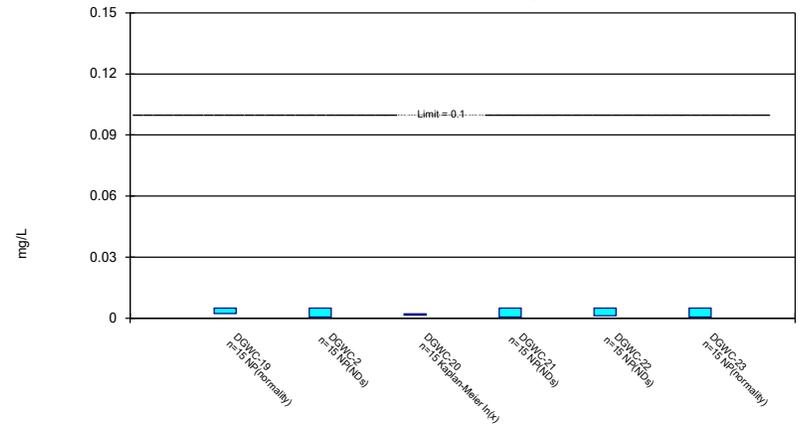
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Constituent: Chromium Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

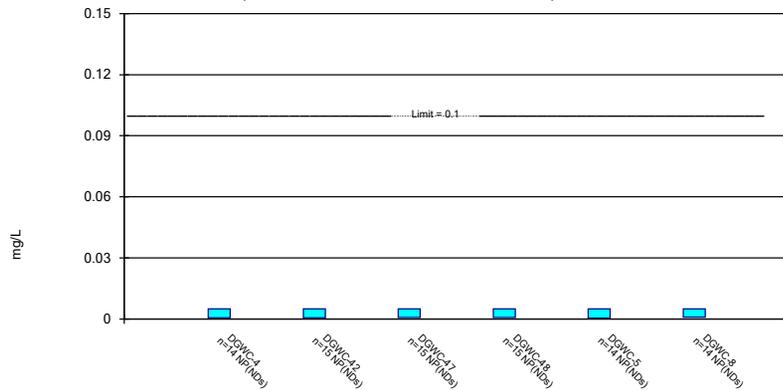
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Chromium Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

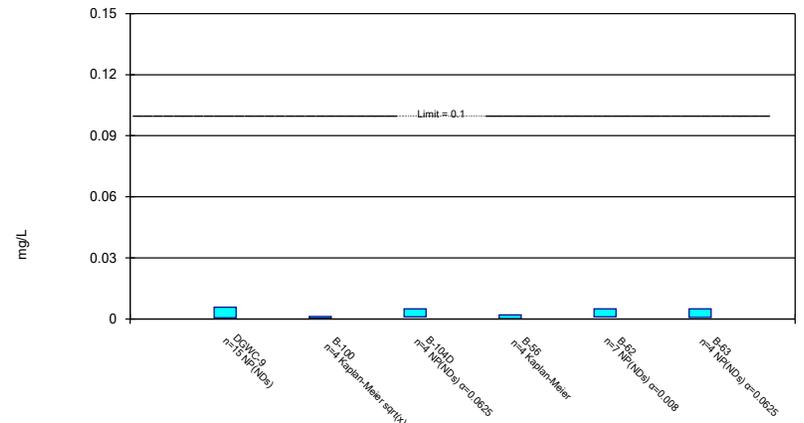
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Constituent: Chromium Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

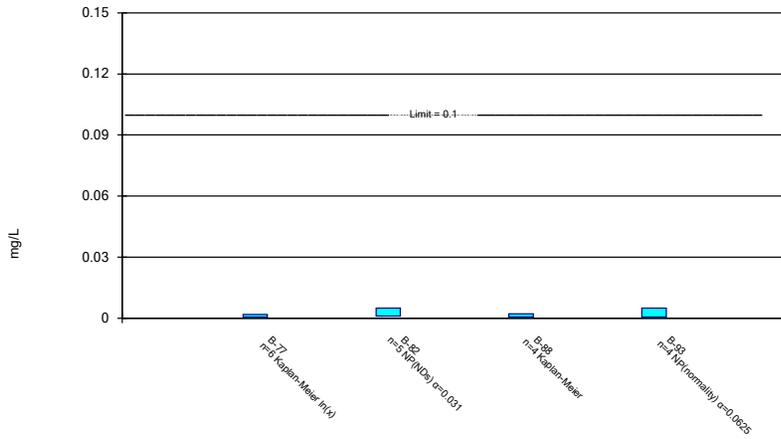
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Constituent: Chromium Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

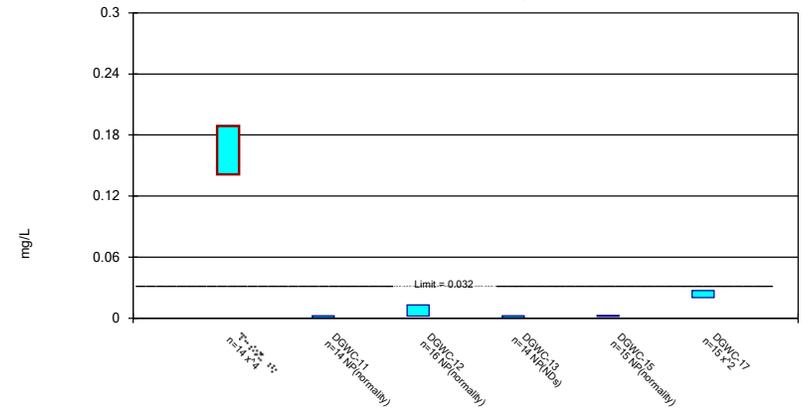
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Constituent: Chromium Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

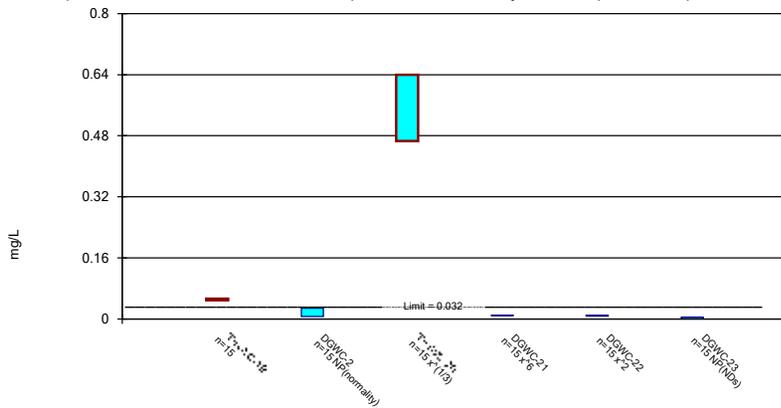
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

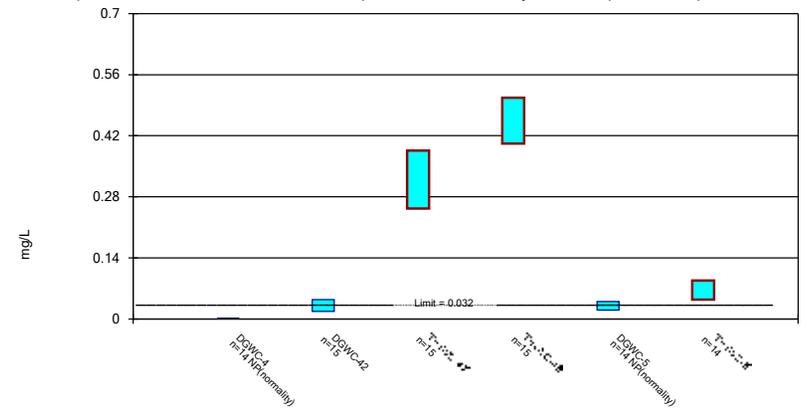
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

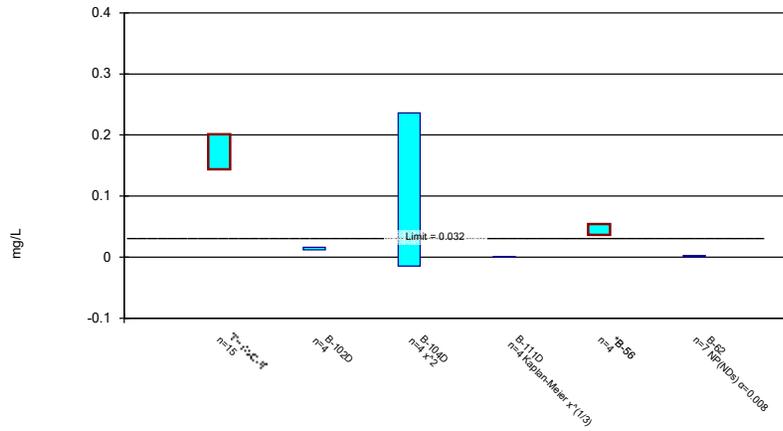
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

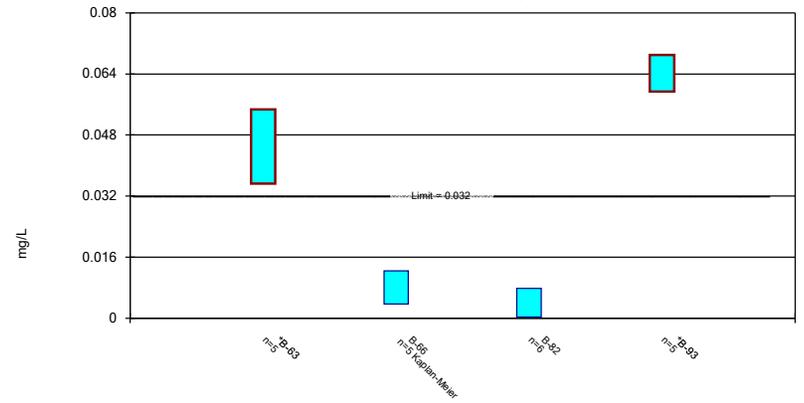
Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

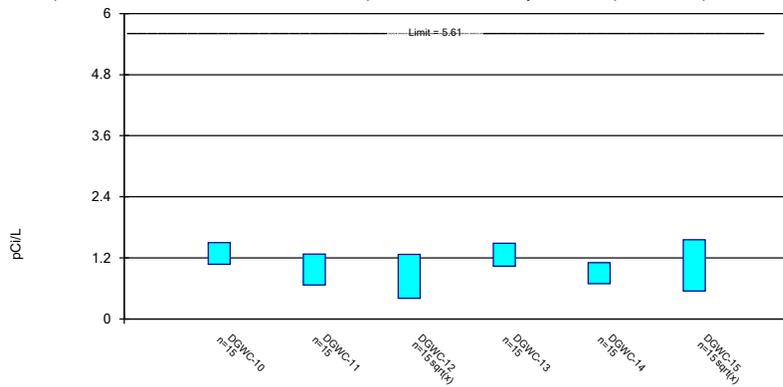
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Constituent: Cobalt Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

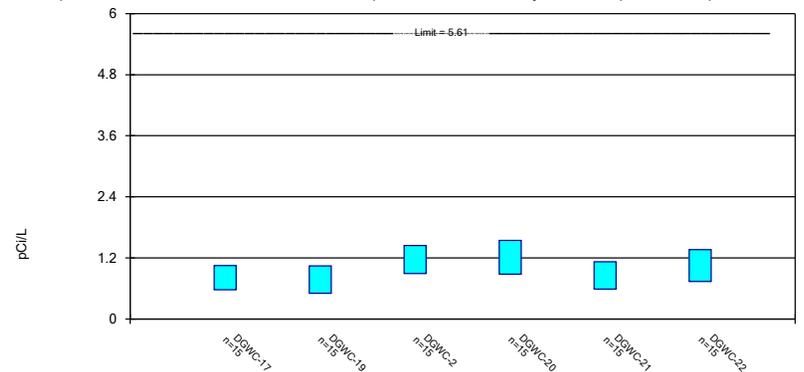
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Constituent: Combined Radium 226 + 228 Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

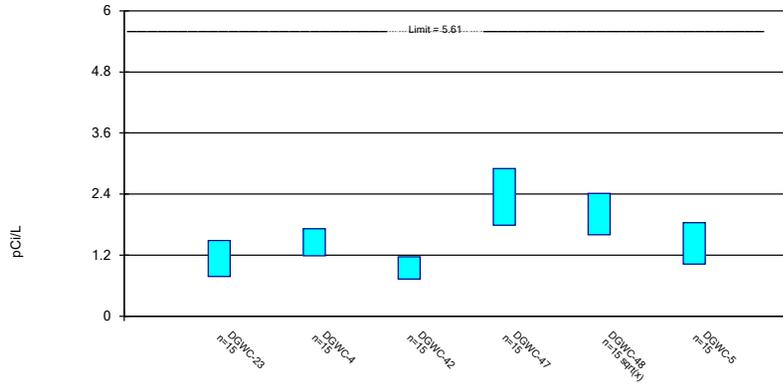
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

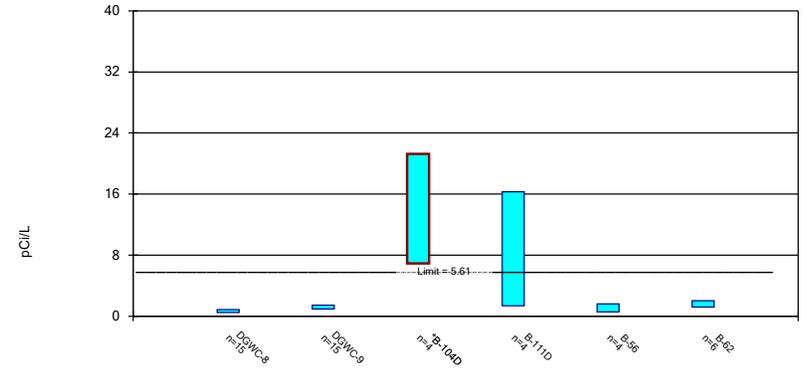
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Inte
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

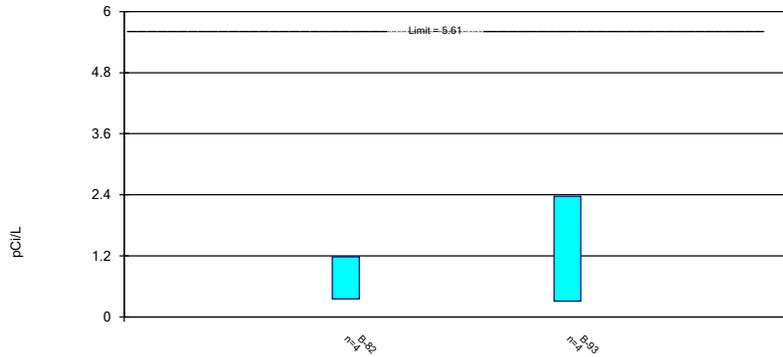
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Constituent: Combined Radium 226 + 228 Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Inte
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

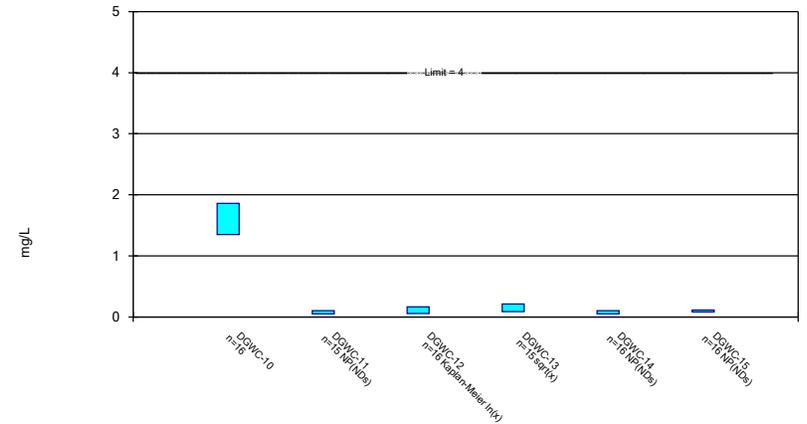
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Constituent: Combined Radium 226 + 228 Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Inte
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

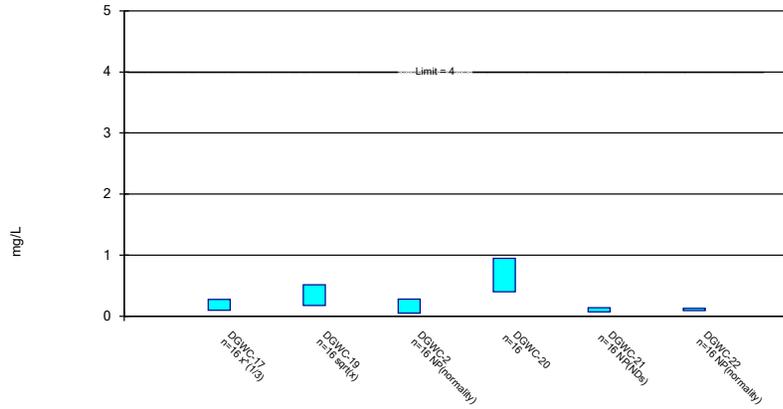
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Constituent: Fluoride, total Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

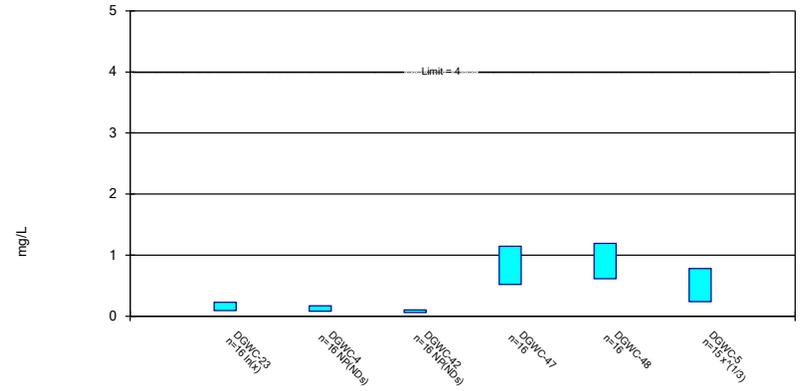
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride, total Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

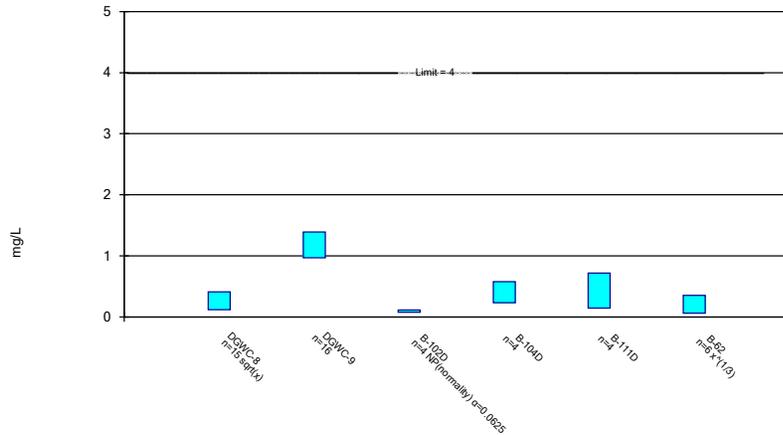
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride, total Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

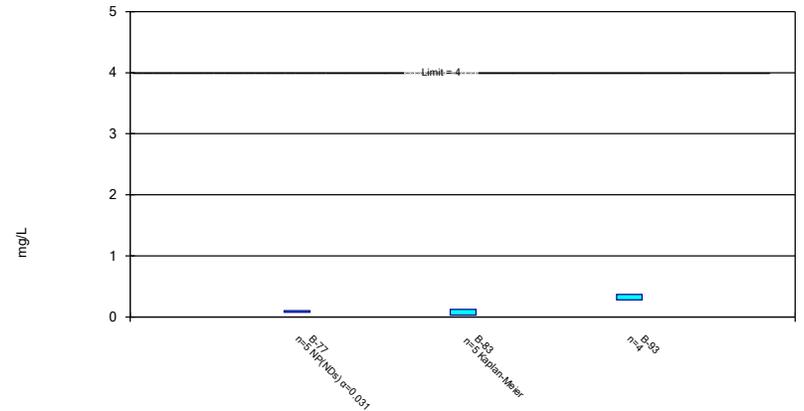
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride, total Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

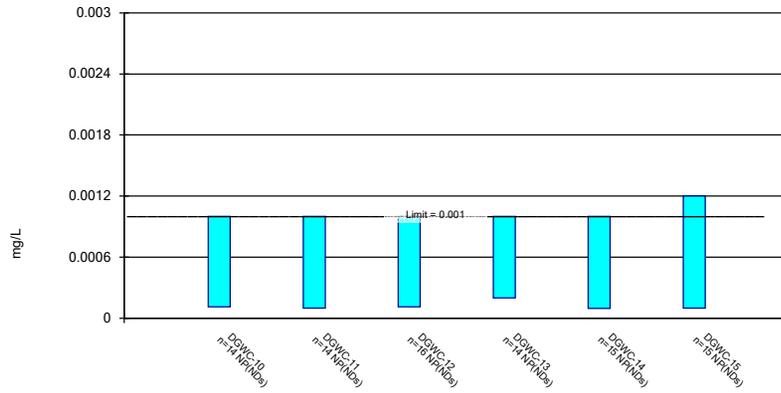
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride, total Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

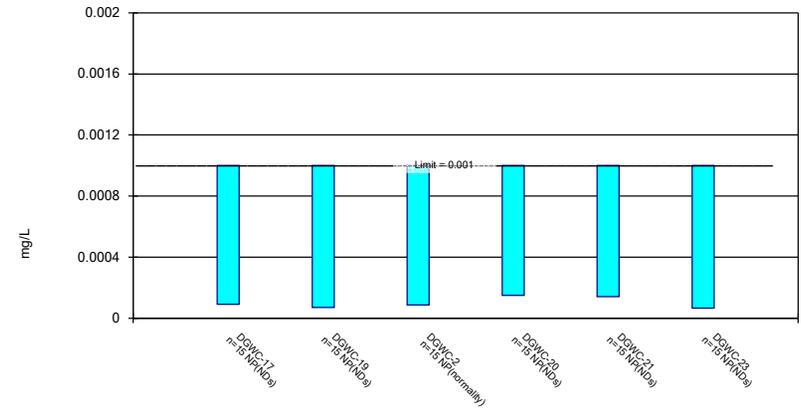
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lead Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

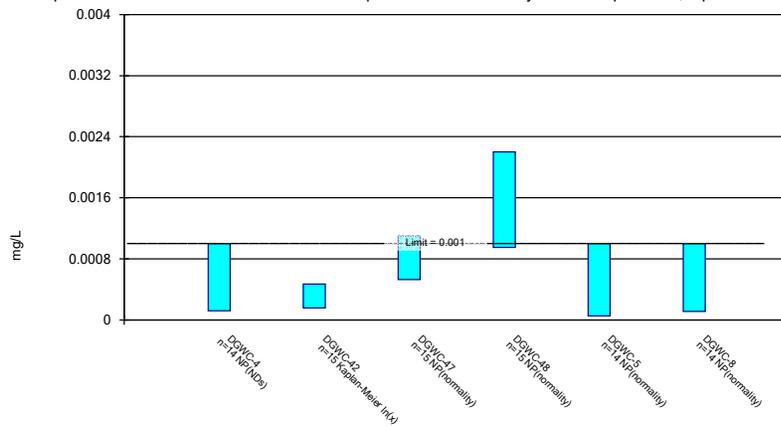
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lead Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

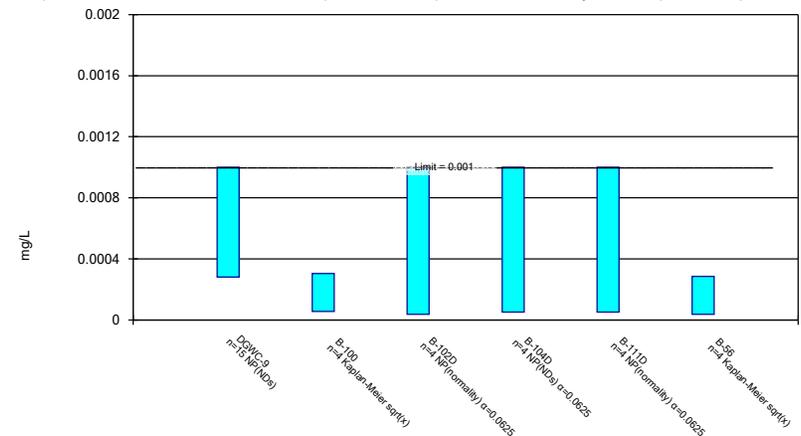
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lead Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

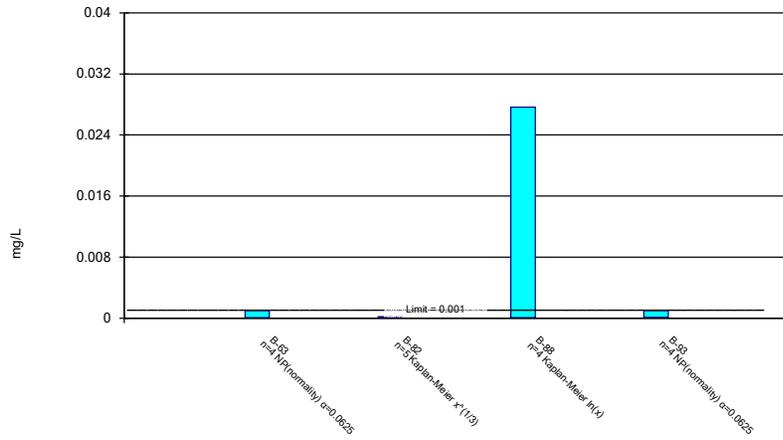
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lead Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

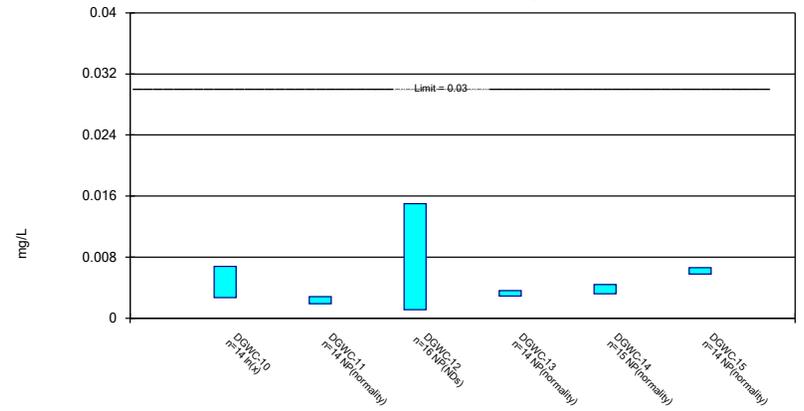
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lead Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

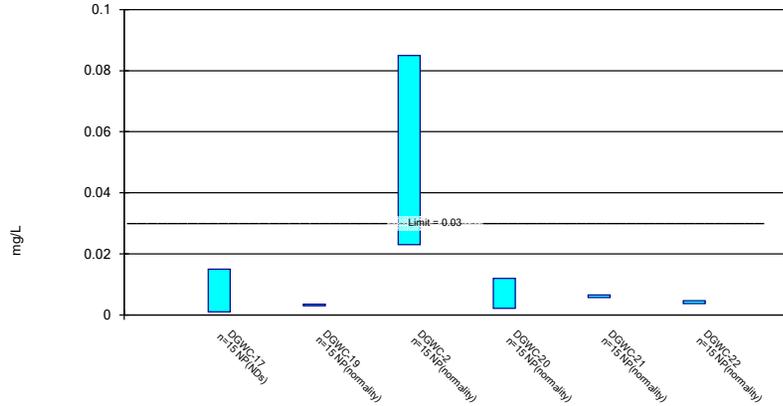
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

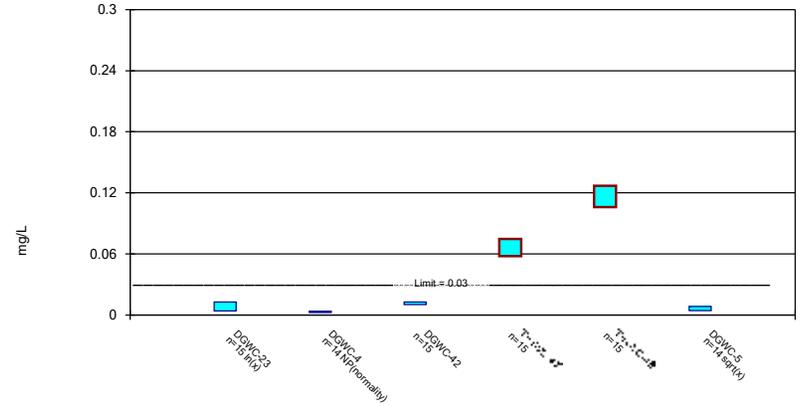
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lithium Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

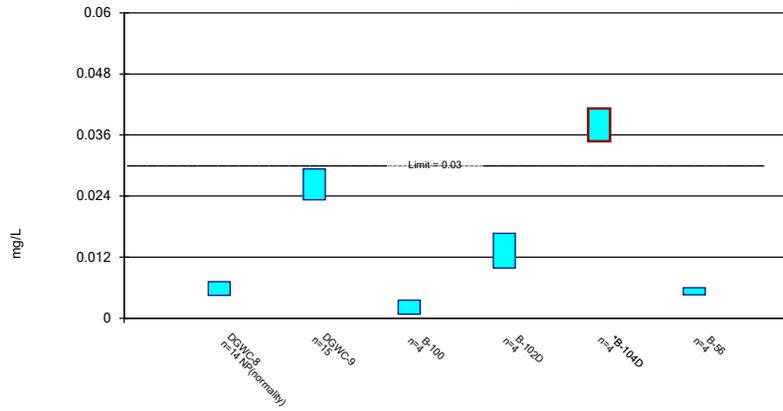
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

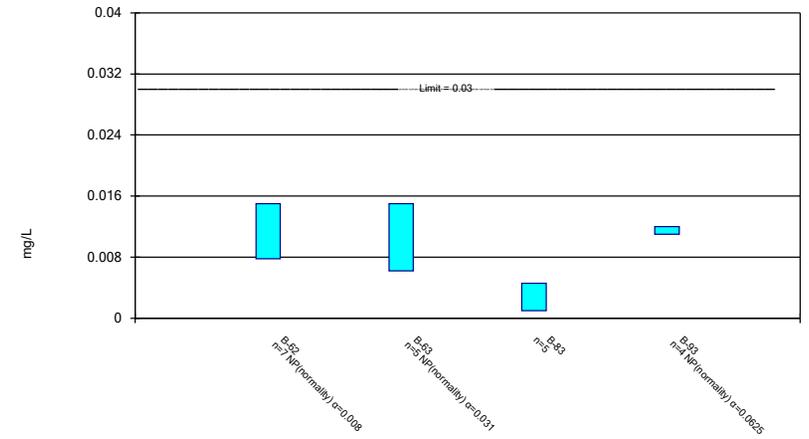
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

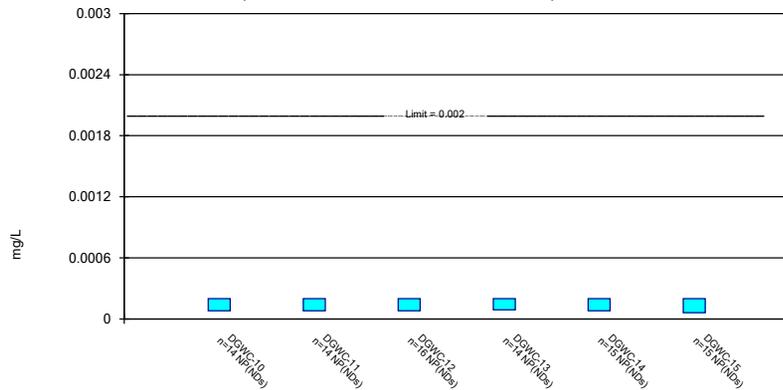
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

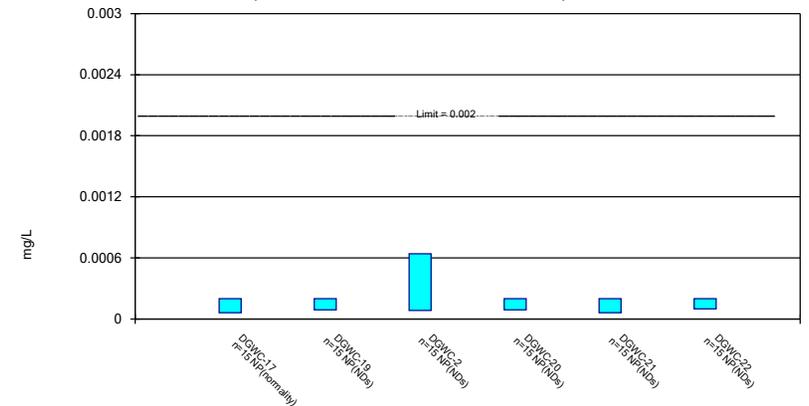
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Mercury Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

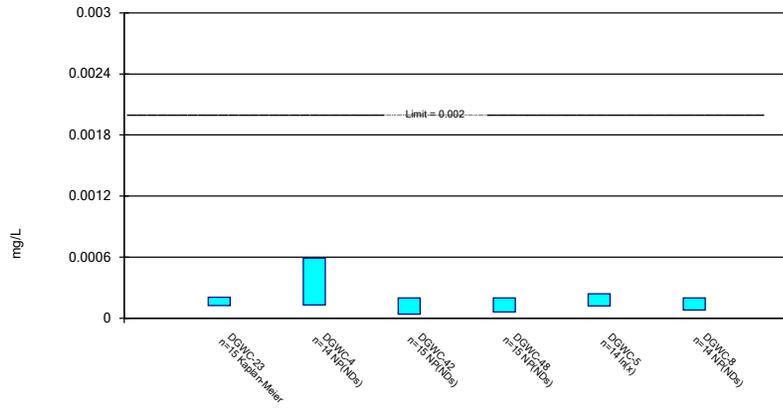
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Mercury Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

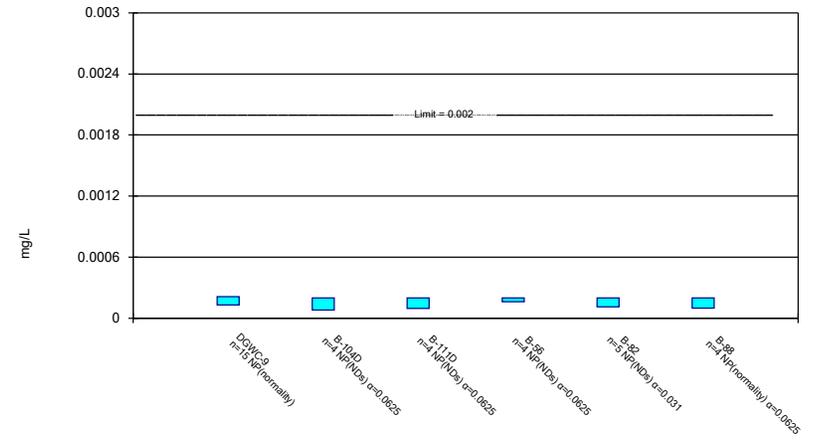
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Mercury Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

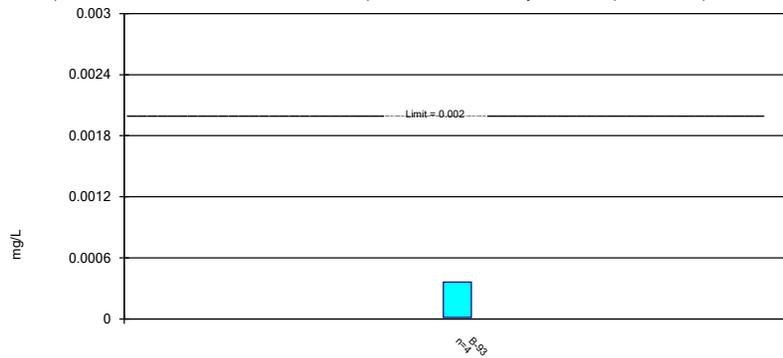
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Mercury Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

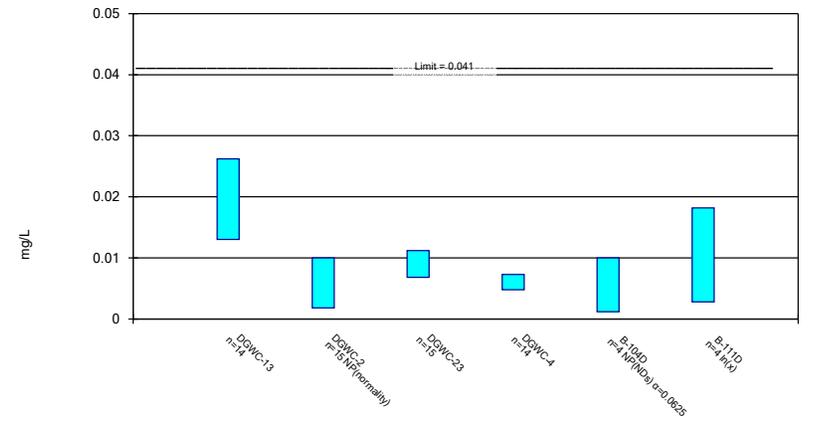
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Mercury Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

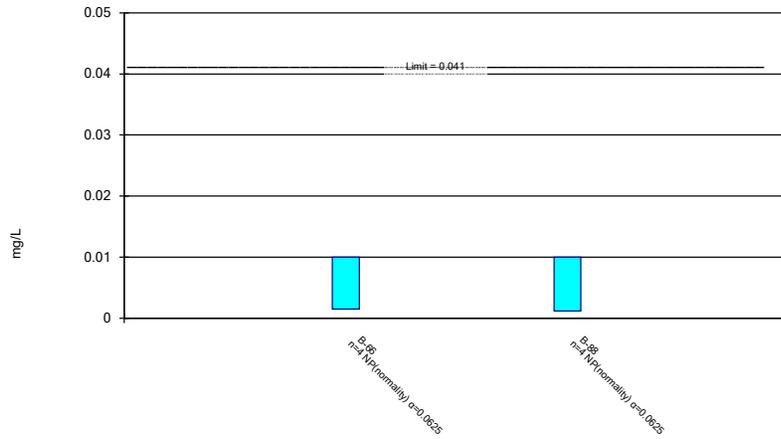
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

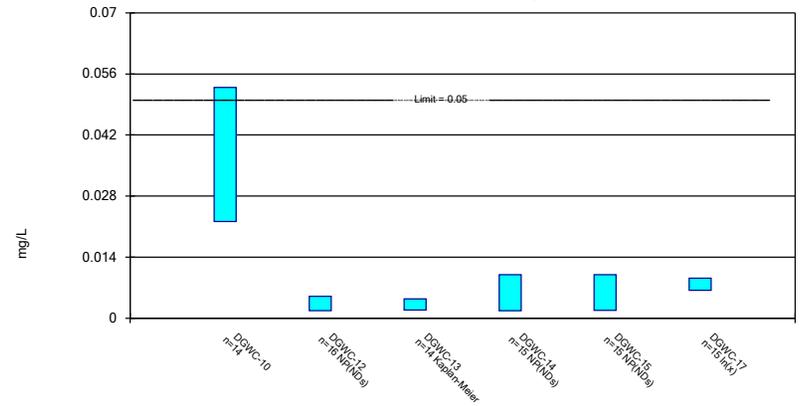
Compliance Limit is not exceeded.



Constituent: Molybdenum Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

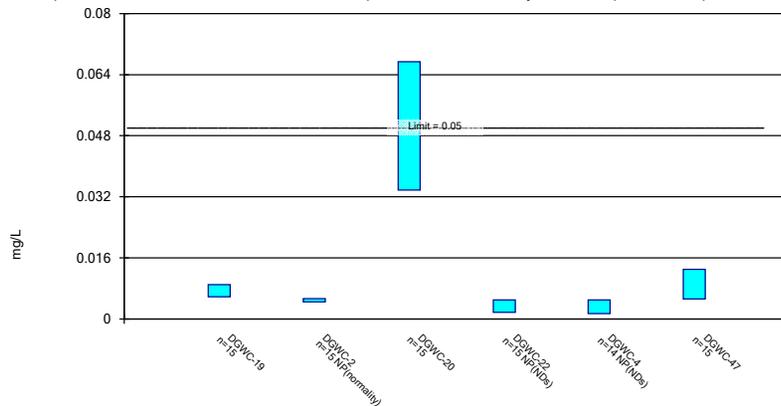
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

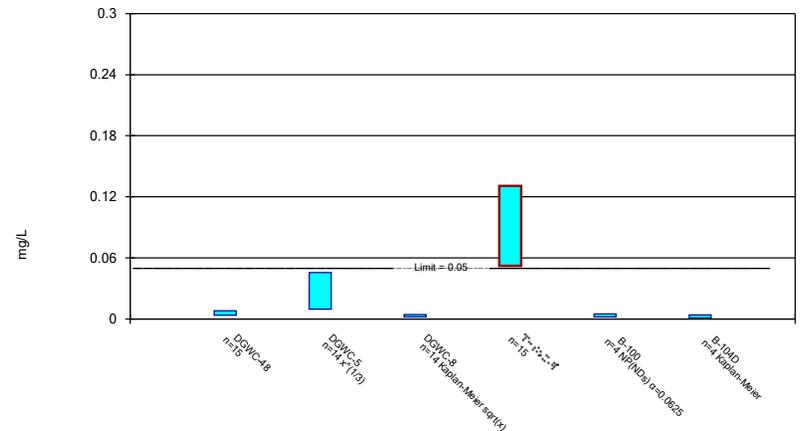
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

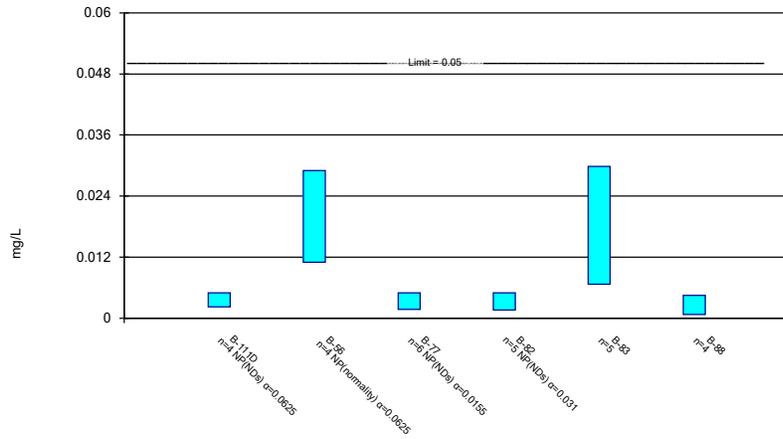
Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

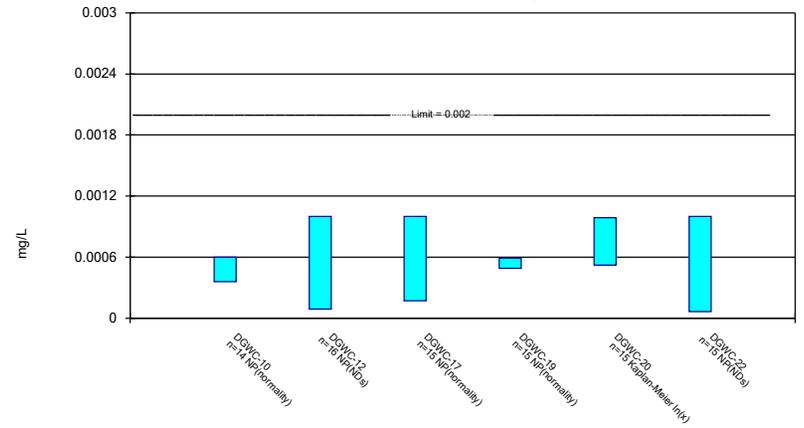
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

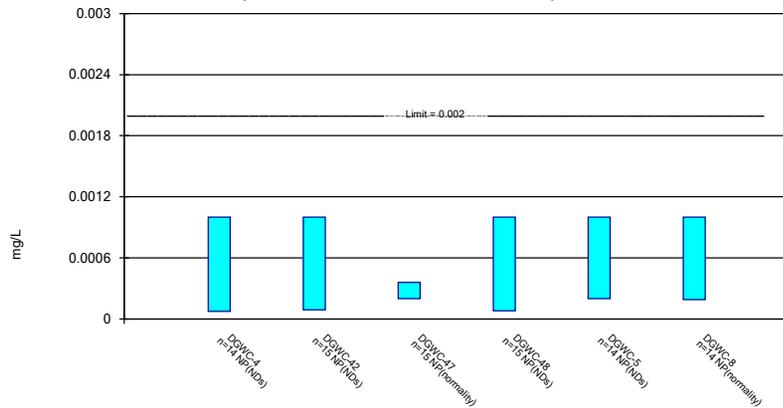
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Thallium Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

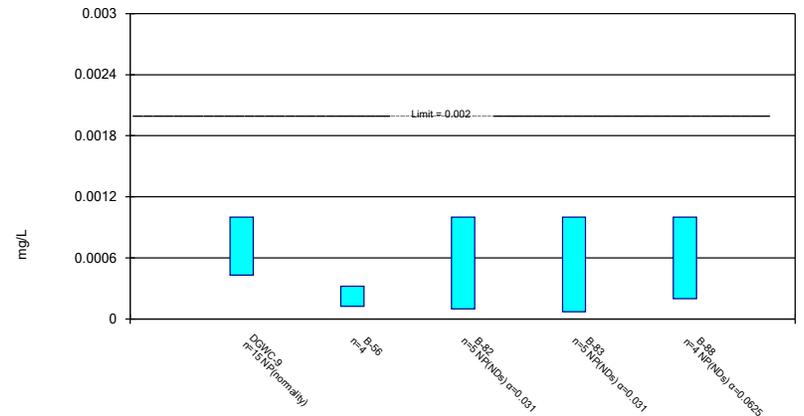
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Thallium Analysis Run 11/8/2021 2:22 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 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-12	DGWC-14	DGWC-15	DGWC-17	DGWC-19	DGWC-2
8/31/2016		<0.003				
9/1/2016	<0.003				<0.003	
9/6/2016			<0.003			
9/7/2016				<0.003		
12/6/2016		<0.003				
12/7/2016	<0.003		<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		<0.003
5/11/2017						<0.003
6/15/2017						0.0006 (J)
7/11/2017						<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	<0.003	
2/27/2018	<0.003	<0.003				<0.003
2/28/2018			<0.003	<0.003	<0.003	
7/11/2018	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
11/6/2018						<0.003
11/7/2018	<0.003	<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)		<0.003	
9/17/2019	<0.003					
10/15/2019	<0.003					
10/16/2019		<0.003			<0.003	
10/17/2019			<0.003			<0.003
10/18/2019				<0.003		
3/2/2020	0.0003 (J)					
3/3/2020		<0.003	<0.003		<0.003	<0.003
3/4/2020				<0.003		
8/11/2020	<0.003	<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)			0.00036 (J)	
9/23/2020			<0.003			<0.003
9/24/2020				0.00045 (J)		
3/2/2021		<0.003	<0.003		<0.003	<0.003
3/3/2021	<0.003			<0.003		
9/9/2021	<0.003	<0.003	<0.003		<0.003	<0.003
9/13/2021				<0.003		
Mean	0.002831	0.002873	0.002671	0.00283	0.002824	0.00284
Std. Dev.	0.000675	0.0004906	0.0008724	0.0006584	0.0006816	0.0006197
Upper Lim.	0.003	0.003	0.003	0.003	0.003	0.003
Lower Lim.	0.0003	0.0011	0.00073	0.00045	0.00036	0.0006

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-21	DGWC-23	DGWC-4	DGWC-47	DGWC-48	DGWC-5
8/31/2016						<0.003
9/1/2016				<0.003	<0.003	
9/2/2016	<0.003					
12/6/2016						<0.003
12/8/2016	<0.003			<0.003	<0.003	
3/28/2017			<0.003			<0.003
3/30/2017	<0.003	<0.003			<0.003	
3/31/2017				<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
7/12/2017	<0.003	<0.003				
7/13/2017				<0.003	<0.003	
10/24/2017			<0.003			
10/25/2017	<0.003					<0.003
10/26/2017		<0.003		<0.003	<0.003	
2/27/2018			<0.003			<0.003
2/28/2018	<0.003					
3/1/2018		<0.003		<0.003		
3/2/2018					<0.003	
7/11/2018	0.0013 (J)					
7/12/2018		<0.003		<0.003	<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
8/29/2019	<0.003	<0.003		<0.003	<0.003	
10/15/2019			<0.003			
10/16/2019						<0.003
10/17/2019	<0.003			<0.003		
10/18/2019		<0.003			<0.003	
3/2/2020			0.00058 (J)			0.00032 (J)
3/3/2020	<0.003					
3/4/2020		<0.003		<0.003	<0.003	
8/12/2020			<0.003	<0.003		<0.003
8/13/2020		<0.003			<0.003	
8/14/2020	<0.003					
9/22/2020			<0.003			<0.003
9/23/2020				0.0012 (J)	0.00039 (J)	
9/24/2020	<0.003	<0.003				
3/1/2021			0.00049 (J)			
3/2/2021						0.0015 (J)
3/3/2021	<0.003	<0.003		<0.003	<0.003	
9/9/2021	<0.003	<0.003				
9/10/2021			<0.003	<0.003	0.0018 (J)	<0.003
Mean	0.002887	0.002847	0.002491	0.00288	0.002746	0.002701
Std. Dev.	0.0004389	0.0005939	0.001014	0.0004648	0.0007213	0.0007935
Upper Lim.	0.003	0.003	0.003	0.003	0.003	0.003
Lower Lim.	0.0013	0.0007	0.0008	0.0012	0.0018	0.0015

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	B-100	B-102D	B-104D	B-111D	B-62
8/30/2016	<0.003					
12/6/2016	<0.003					
3/29/2017	<0.003					
7/11/2017	<0.003					
10/24/2017	<0.003					
2/27/2018	<0.003					
11/6/2018	<0.003					
1/30/2019						<0.003
8/28/2019	<0.003					
9/11/2019						<0.003
10/16/2019	<0.003					
10/21/2019						<0.003
3/3/2020	<0.003					
8/12/2020	<0.003					
8/13/2020						<0.003
8/17/2020		0.0013 (J)				
9/23/2020	<0.003					
9/24/2020						0.00046 (J)
9/25/2020		<0.003				
12/9/2020				0.00079 (J)	<0.003	
12/17/2020			0.0016 (J)			
1/11/2021			<0.003			
1/12/2021				0.00048 (J)	<0.003	
3/2/2021	0.00046 (J)					
3/4/2021			<0.003	0.00077 (J)		
3/5/2021					0.0006 (J)	
3/8/2021		0.0017 (J)				
3/12/2021						<0.003
9/9/2021						<0.003
9/10/2021			<0.003			
9/13/2021	<0.003	<0.003				
9/14/2021				<0.003	<0.003	
Mean	0.002819	0.00225	0.00265	0.00126	0.0024	0.002637
Std. Dev.	0.0006788	0.0008813	0.0007	0.001169	0.0012	0.00096
Upper Lim.	0.003	0.001954	0.003	0.001068	0.003	0.003
Lower Lim.	0.00046	0.001046	0.0016	0.0003847	0.0006	0.00046

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

	B-63	B-77	B-93
1/28/2019	<0.003		
9/11/2019	<0.003		
9/18/2019		<0.003	
10/22/2019	0.00066 (J)		
10/24/2019		<0.003	
8/13/2020		0.00043 (J)	
8/19/2020			<0.003
9/24/2020		0.00036 (J)	
9/28/2020			0.0014 (J)
3/4/2021		0.00063 (J)	
3/9/2021			<0.003
9/14/2021	<0.003	<0.003	
9/15/2021			<0.003
Mean	0.002415	0.001737	0.0026
Std. Dev.	0.00117	0.001387	0.0008
Upper Lim.	0.003	0.003	0.003
Lower Lim.	0.00066	0.00036	0.0014

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-10	DGWC-12	DGWC-14	DGWC-15	DGWC-17	DGWC-19
8/31/2016	0.0058		<0.005			
9/1/2016		<0.005				0.0022 (J)
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		<0.005
12/8/2016					<0.005	
3/29/2017	0.0055	<0.005	<0.005			0.002 (J)
3/30/2017				0.0006 (J)	0.0008 (J)	
7/12/2017	0.0042 (J)	<0.005	<0.005	<0.005	<0.005	0.0016 (J)
10/24/2017	0.0058					
10/25/2017		0.0006 (J)	<0.005	<0.005	0.0007 (J)	0.0022 (J)
2/27/2018	0.0105	<0.005	<0.005			
2/28/2018				<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 (J)					
11/7/2018		<0.005	<0.005	<0.005	<0.005	<0.005 (J)
8/27/2019	0.0024 (J)	<0.005	<0.005		<0.005	
8/28/2019				<0.005		0.00049 (J)
9/17/2019		<0.005				
10/15/2019	0.0078	0.00063 (J)				
10/16/2019			0.00039 (J)			0.00046 (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		<0.005
3/4/2020					0.0014 (J)	
8/11/2020	0.0028 (J)	<0.005	<0.005			0.0014 (J)
8/13/2020				0.0013 (J)		
8/14/2020					<0.005	
9/22/2020		<0.005	<0.005			0.0017 (J)
9/23/2020				<0.005		
9/24/2020	0.0078				0.0011 (J)	
3/2/2021			<0.005	<0.005		0.0013 (J)
3/3/2021		<0.005			<0.005	
3/4/2021	0.006					
9/9/2021		<0.005	<0.005	<0.005		0.0027 (J)
9/10/2021	0.0076					
9/13/2021					<0.005	
Mean	0.005386	0.004452	0.004693	0.004169	0.003395	0.002317
Std. Dev.	0.002519	0.001498	0.00119	0.001726	0.002042	0.001551
Upper Lim.	0.00717	0.005	0.005	0.005	0.005	0.002035
Lower Lim.	0.003601	0.00063	0.00039	0.0013	0.0008	0.0009847

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-2	DGWC-20	DGWC-22	DGWC-4	DGWC-42	DGWC-47
9/1/2016						0.0037 (J)
9/2/2016		0.0159	<0.005			
9/7/2016					<0.005	
12/7/2016		0.0037 (J)				
12/8/2016			<0.005		<0.005	0.0032 (J)
3/28/2017				0.0005 (J)		
3/29/2017		0.015	<0.005			
3/30/2017	<0.005					
3/31/2017					0.0007 (J)	0.0031 (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		0.0121				
7/13/2017			<0.005		<0.005	0.0018 (J)
10/24/2017	<0.005			<0.005		
10/25/2017		0.0135	<0.005		<0.005	
10/26/2017						0.0016 (J)
2/27/2018	<0.005			<0.005		
2/28/2018		0.0177	0.001 (J)		0.0011 (J)	
3/1/2018						0.0029 (J)
7/11/2018	<0.005	0.0055			<0.005	
7/12/2018			<0.005			0.0023 (J)
11/6/2018	<0.005			<0.005		
11/7/2018		0.0054	<0.005		<0.005	<0.005 (J)
8/27/2019	0.00099 (J)			<0.005		
8/28/2019					<0.005	
8/29/2019		0.0064	<0.005			0.00089 (J)
10/15/2019				<0.005		
10/17/2019	<0.005	0.0094			<0.005	0.0013 (J)
10/18/2019			<0.005			
3/2/2020				<0.005		
3/3/2020	0.0025 (J)		<0.005			
3/4/2020		0.029			<0.005	0.0012 (J)
8/11/2020	<0.005					
8/12/2020				<0.005		0.00081 (J)
8/13/2020		0.014			<0.005	
8/14/2020			<0.005			
9/22/2020		0.0063		<0.005	<0.005	
9/23/2020	<0.005					<0.005
9/24/2020			<0.005			
3/1/2021				<0.005		
3/2/2021	<0.005	0.019				
3/3/2021			<0.005		<0.005	<0.005
9/9/2021	<0.005					
9/10/2021		0.0083	<0.005	<0.005		0.0016 (J)
9/13/2021					<0.005	
Mean	0.004566	0.01208	0.004733	0.004057	0.004453	0.002627
Std. Dev.	0.00118	0.006761	0.001033	0.001875	0.001445	0.001504
Upper Lim.	0.005	0.01666	0.005	0.005	0.005	0.002647
Lower Lim.	0.0025	0.007499	0.001	0.0008	0.0011	0.001328

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-48	DGWC-5	DGWC-8	DGWC-9	B-104D	B-111D
8/30/2016			<0.005	0.0241		
8/31/2016		0.0035 (J)				
9/1/2016	<0.005					
12/6/2016		0.0032 (J)	<0.005	<0.005		
12/8/2016	<0.005					
3/28/2017		0.0385		0.0243		
3/29/2017			0.001 (J)			
3/30/2017	0.0015 (J)					
7/11/2017		0.0203	0.0012 (J)	0.0194		
7/13/2017	0.0012 (J)					
10/24/2017			0.0015 (J)	0.0249		
10/25/2017		0.0119				
10/26/2017	0.0008 (J)					
2/27/2018		0.0094	0.002 (J)	0.0405		
3/2/2018	0.0017 (J)					
7/11/2018				0.016		
7/12/2018	0.0015 (J)					
11/6/2018		<0.005	<0.005	0.017		
11/7/2018	<0.005					
8/27/2019		<0.005		0.021		
8/28/2019			<0.005			
8/29/2019	<0.005					
10/16/2019		0.0036 (J)	<0.005			
10/17/2019				0.033		
10/18/2019	0.00079 (J)					
3/2/2020		0.0052				
3/3/2020			0.00096 (J)	0.015		
3/4/2020	0.0006 (J)					
8/11/2020				0.022		
8/12/2020		0.002 (J)	<0.005			
8/13/2020	<0.005					
9/22/2020		0.0062		0.04		
9/23/2020	<0.005		<0.005			
12/9/2020				<0.005	<0.005	
1/12/2021				<0.005	<0.005	
3/2/2021		0.0013 (J)	<0.005	0.021		
3/3/2021	<0.005					
3/4/2021				0.0025 (J)		
3/5/2021					0.0023 (J)	
9/10/2021	<0.005	0.0031 (J)		0.031		
9/13/2021			<0.005			
9/14/2021				0.0019 (J)	0.0029 (J)	
Mean	0.003206	0.008443	0.00369	0.02361	0.0036	0.0038
Std. Dev.	0.002005	0.009971	0.001839	0.009468	0.001635	0.001407
Upper Lim.	0.005	0.0118	0.005	0.03003	0.002881	0.003281
Lower Lim.	0.0008	0.002817	0.0012	0.0172	0.001519	0.001919

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

	B-56	B-77	B-93
9/18/2019		<0.005	
10/24/2019		0.0029 (J)	
8/13/2020		0.002 (J)	
8/17/2020	0.0032 (J)		
8/19/2020			0.0013 (J)
9/24/2020		0.0025 (J)	
9/28/2020	0.0047 (J)		0.0027 (J)
3/3/2021	0.003 (J)		
3/4/2021		0.002 (J)	
3/9/2021			<0.005
9/13/2021	0.0031 (J)		
9/14/2021		<0.005	
9/15/2021			<0.005
Mean	0.0035	0.003233	0.0035
Std. Dev.	0.0008042	0.001409	0.001824
Upper Lim.	0.0047	0.002882	0.003589
Lower Lim.	0.003	0.001869	0.0004108

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/8/2021 2:30 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	0.0321	0.0545			0.0576	
9/1/2016			0.0254			
9/6/2016				0.0297		0.0497
12/6/2016	0.029	0.0564			0.0608	
12/7/2016			0.0241	0.0266		0.0469
3/29/2017	0.0335	0.0565	0.0268		0.0693	
3/30/2017				0.0308		0.0495
7/12/2017	0.0314	0.0572	0.0262	0.0291	0.0585	0.0517
10/24/2017	0.0317	0.0596				
10/25/2017			0.0268		0.0563	0.0474
11/15/2017				0.0309		
2/27/2018	0.028	0.0672	0.0255		0.0591	
2/28/2018				<0.01		0.0455
7/11/2018			0.026		0.061	0.05
11/6/2018	0.025	0.074				
11/7/2018			0.028	0.034	0.055	0.042
8/27/2019	0.021	0.071	0.024		0.059	
8/28/2019				0.033		0.047
9/17/2019			0.02			
10/15/2019	0.024	0.064	0.02			
10/16/2019				0.034	0.059	
10/17/2019						0.046
3/2/2020		0.071	0.04			
3/3/2020	0.024			0.035	0.064	0.05
8/11/2020	0.024	0.064	0.028		0.061	
8/12/2020				0.032		
8/13/2020						0.06
9/22/2020		0.058	0.036		0.06	
9/23/2020				0.03		0.043
9/24/2020	0.021					
3/2/2021		0.052		0.03	0.064	0.043
3/3/2021			0.035			
3/4/2021	0.025					
9/9/2021		0.054	0.04	0.027	0.059	0.041
9/10/2021	0.019					
Mean	0.02634	0.06139	0.02824	0.02908	0.06024	0.04751
Std. Dev.	0.004637	0.007138	0.006231	0.007369	0.003493	0.004744
Upper Lim.	0.02962	0.06644	0.03199	0.03292	0.06261	0.05073
Lower Lim.	0.02305	0.05633	0.02415	0.02732	0.05787	0.0443

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/8/2021 2:30 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		0.0214				
9/2/2016				0.0097 (J)	0.0252	0.0397
9/7/2016	0.0694					
12/7/2016		0.0191		0.0087 (J)		
12/8/2016	0.062				0.0262	0.0408
3/29/2017		0.0209		0.0094 (J)		0.0417
3/30/2017	0.0615		0.0232		0.0272	
5/11/2017			0.0231			
6/15/2017			0.0223			
7/11/2017			0.0201			
7/12/2017	0.0532	0.0212		0.0099 (J)	0.0276	
7/13/2017						0.0376
10/24/2017			0.0206			
10/25/2017	0.0544	0.021		0.0096 (J)	0.0262	0.0384
2/27/2018			0.0207			
2/28/2018	0.0527	0.0213		<0.01	0.027	0.0353
7/11/2018	0.053	0.023	0.022	0.01	0.027	
7/12/2018						0.036
11/6/2018			0.021			
11/7/2018	0.044	0.024		0.011	0.024	0.031
8/27/2019	0.05		0.023			
8/28/2019		0.026				
8/29/2019				0.018	0.027	0.031
10/16/2019		0.024				
10/17/2019			0.022	0.015	0.027	
10/18/2019	0.045					0.032
3/3/2020		0.028	0.022		0.027	0.035
3/4/2020	0.044			0.017		
8/11/2020		0.027	0.022			
8/13/2020				0.019		
8/14/2020	0.046				0.027	0.035
9/22/2020		0.026		0.011		
9/23/2020			0.023			
9/24/2020	0.033				0.024	0.031
3/2/2021		0.026	0.023	0.021		
3/3/2021	0.036				0.024	0.031
9/9/2021		0.025	0.022		0.023	
9/10/2021				0.0098		0.027
9/13/2021	0.031					
Mean	0.04901	0.02359	0.022	0.01227	0.02596	0.03483
Std. Dev.	0.01083	0.002686	0.001	0.004566	0.001505	0.004281
Upper Lim.	0.05635	0.02541	0.02268	0.01537	0.0272	0.03773
Lower Lim.	0.04167	0.02177	0.02132	0.009179	0.024	0.03193

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/8/2021 2:30 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						0.0266 (O)
9/1/2016				0.0162	0.0157	
9/7/2016			0.0194			
12/6/2016						0.0186
12/8/2016			0.0189	0.0247	0.0155	
3/28/2017		0.0363				0.0187
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)
7/12/2017	0.0186					
7/13/2017			0.021	0.0165	0.014	
10/24/2017		0.0351				
10/25/2017			0.0196			0.0175
10/26/2017	0.0176			0.0152	0.0117	
2/27/2018		0.0364				0.0172
2/28/2018			0.0171			
3/1/2018	0.0164			0.0164		
3/2/2018					0.0131	
7/11/2018			0.02			
7/12/2018	0.022			0.015	0.013	
11/6/2018		0.035				0.016
11/7/2018			0.017	0.02	0.014	
11/8/2018	0.022					
8/27/2019		0.036				0.017
8/28/2019			0.018			
8/29/2019	0.025			0.018	0.014	
10/15/2019		0.033				
10/16/2019						0.02
10/17/2019			0.018	0.019		
10/18/2019	0.019				0.014	
3/2/2020		0.036				0.018
3/4/2020	0.032		0.015	0.017	0.014	
8/12/2020		0.036		0.016		0.017
8/13/2020	0.027		0.027		0.013	
9/22/2020		0.03	0.016			0.017
9/23/2020				0.014	0.013	
9/24/2020	0.02					
3/1/2021		0.039				
3/2/2021						0.017
3/3/2021	0.019		0.015	0.02	0.014	
9/9/2021	0.021					
9/10/2021		0.032		0.021	0.013	0.015
9/13/2021			0.014			
Mean	0.02113	0.03419	0.01836	0.01786	0.01367	0.01742
Std. Dev.	0.004092	0.002802	0.003153	0.002794	0.001016	0.001247
Upper Lim.	0.0236	0.03617	0.0205	0.01975	0.01436	0.01834
Lower Lim.	0.01844	0.0322	0.01622	0.01597	0.01298	0.01649

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-102D	B-104D	B-111D	B-56
8/30/2016	0.0435	0.0162				
12/6/2016	0.0431	0.0138				
3/28/2017		0.017				
3/29/2017	0.044					
7/11/2017	0.0389	0.0154 (J)				
10/24/2017	0.0369	0.0148				
2/27/2018	0.0346	0.0148				
7/11/2018		0.017				
11/6/2018	0.027	0.015				
8/27/2019		0.016				
8/28/2019	0.025					
10/16/2019	0.027					
10/17/2019		0.015				
3/3/2020	0.026	0.016				
8/11/2020		0.016				
8/12/2020	0.034					
8/17/2020						0.03
9/22/2020		0.015				
9/23/2020	0.025					
9/28/2020						0.026
12/9/2020				0.026	0.027	
12/17/2020			0.022			
1/11/2021			0.024			
1/12/2021				0.022	0.027	
3/2/2021	0.029	0.017				
3/3/2021						0.028
3/4/2021			0.022	0.021		
3/5/2021					0.038	
9/10/2021		0.014	0.02			
9/13/2021	0.019					0.026
9/14/2021				0.021	0.043	
Mean	0.03236	0.01553	0.022	0.0225	0.03375	0.0275
Std. Dev.	0.008048	0.00103	0.001633	0.00238	0.008057	0.001915
Upper Lim.	0.03806	0.01623	0.02571	0.026	0.05204	0.03185
Lower Lim.	0.02666	0.01484	0.01829	0.021	0.01546	0.02315

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	B-62	B-63	B-66	B-77	B-82	B-83
1/28/2019		0.028				
1/30/2019	0.018		0.016			
9/11/2019	0.023	0.021				
9/12/2019			0.017			
9/18/2019				0.086		
9/23/2019					0.031	
10/21/2019	0.026		0.018		0.03	0.034
10/22/2019		0.021				
10/24/2019				0.1		
8/13/2020	0.026			0.11		
8/14/2020						0.056
8/17/2020					0.024	
9/24/2020	0.025			0.12		
9/25/2020						0.027
9/28/2020					0.023	
3/4/2021				0.11		0.032
3/12/2021	0.027					
9/9/2021	0.021					
9/14/2021		0.026	0.018	0.12	0.022	
9/16/2021						0.03
Mean	0.02371	0.024	0.01725	0.1077	0.026	0.0358
Std. Dev.	0.003251	0.003559	0.0009574	0.01299	0.004183	0.01158
Upper Lim.	0.02758	0.03208	0.01942	0.1255	0.03301	0.05537
Lower Lim.	0.01985	0.01592	0.01508	0.08983	0.01899	0.02029

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

	B-88	B-93
8/17/2020	0.022	
8/19/2020		0.018
9/25/2020	0.021	
9/28/2020		0.017
3/5/2021	0.022	
3/9/2021		0.016 (J)
9/13/2021	0.016	
9/15/2021		0.016
Mean	0.02025	0.01675
Std. Dev.	0.002872	0.0009574
Upper Lim.	0.02418	0.01892
Lower Lim.	-0.01405	0.01458

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 2:30 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	<0.0005				
9/1/2016			0.0002 (J)			
9/6/2016				<0.0005	<0.0005	
9/7/2016						0.0006 (J)
12/6/2016	0.0048	<0.0005				
12/7/2016			0.0002 (J)	<0.0005	<0.0005	
12/8/2016						0.0005 (J)
3/29/2017	0.0048	<0.0005	0.0002 (J)			
3/30/2017				7E-05 (J)	<0.0005	0.0006 (J)
7/12/2017	0.0046	<0.0005	0.0002 (J)	<0.0005	<0.0005	0.0005 (J)
10/24/2017	0.0048	<0.0005				
10/25/2017			0.0002 (J)		<0.0005	0.0005 (J)
11/15/2017				<0.0005		
2/27/2018	0.0106	<0.0005	<0.0005			
2/28/2018				<0.0005	<0.0005	<0.0005
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)	<0.0005
8/27/2019	0.0092	0.00014 (J)	0.00028 (J)			0.00066 (J)
8/28/2019				<0.0005	<0.0005	
9/17/2019			0.00049 (J)			
10/15/2019	0.01	0.00012 (J)	0.00016 (J)			
10/16/2019				<0.0005		
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			<0.0005	<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
Mean	0.007443	0.0004964	0.0003943	0.0005256	0.0006185	0.0005727
Std. Dev.	0.002492	0.0007432	0.0007051	0.000742	0.0006715	6.808E-05
Upper Lim.	0.009208	0.003	0.00049	0.003	0.003	0.0006188
Lower Lim.	0.005678	0.00013	0.00011	7E-05	0.00022	0.0005265

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 2:30 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						<0.0005
2/28/2018	<0.0005	<0.0005	<0.0005	<0.0005		
3/1/2018					<0.0005	
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)
Mean	0.001907	0.003673	0.000374	0.000376	0.000618	0.0004279
Std. Dev.	0.0004978	0.002056	0.0007325	0.0007316	0.0006665	0.0007463
Upper Lim.	0.0021	0.004866	0.0005	0.0005	0.0005	0.00028
Lower Lim.	0.0017	0.002215	0.0001	0.00014	0.00038	0.00019

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 2:30 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	<0.0005					
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	
Mean	0.002333	0.01091	0.00838	0.007443	0.002443	0.005413
Std. Dev.	0.0006576	0.002797	0.00126	0.001758	0.00107	0.000712
Upper Lim.	0.002738	0.01281	0.009234	0.008688	0.003201	0.005896
Lower Lim.	0.002049	0.009018	0.007526	0.006197	0.001685	0.004931

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	B-100	B-102D	B-104D	B-56	B-62	B-63
10/6/2016					9E-05 (J)	
10/7/2016						0.0004 (J)
2/19/2018						0.00049 (J)
1/28/2019						<0.0005
1/30/2019					<0.0005	
9/11/2019					0.00012 (J)	0.00035 (J)
10/21/2019					7.8E-05 (J)	
10/22/2019						0.0003 (J)
8/13/2020					0.00011 (J)	
8/17/2020	0.0004 (J)			0.0013 (J)		
9/24/2020					0.00013 (J)	
9/25/2020	0.00035 (J)					
9/28/2020				0.0012 (J)		
12/9/2020			0.0013 (J)			
12/17/2020		0.0014 (J)				
1/11/2021		0.0013 (J)				
1/12/2021			0.0015 (J)			
3/3/2021				0.0011		
3/4/2021		0.0012	0.0015			
3/8/2021	0.00046 (J)					
3/12/2021					<0.0005	
9/9/2021					0.00014 (J)	
9/10/2021		0.0011				
9/13/2021	0.00053			0.0012		
9/14/2021			0.0011			0.00042 (J)
Mean	0.000435	0.00125	0.00135	0.0012	0.0002085	0.00041
Std. Dev.	7.767E-05	0.0001291	0.0001915	8.165E-05	0.000181	7.797E-05
Upper Lim.	0.0006113	0.001543	0.001785	0.001385	0.0005	0.0004803
Lower Lim.	0.0002587	0.0009569	0.0009153	0.001015	7.8E-05	0.0003037

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	B-77	B-82	B-83	B-93	B-98
9/18/2019	0.00011 (J)				
9/23/2019		0.0015 (J)			
10/21/2019		0.0011 (J)	0.00039 (J)		
10/24/2019	<0.0005				
12/19/2019				0.0069	
2/17/2020					<0.0005
2/27/2020					<0.0005
8/13/2020	0.00014 (J)				
8/14/2020			0.0007 (J)		
8/17/2020		0.0014 (J)			
8/19/2020				0.015	
9/24/2020	5.3E-05 (J)				
9/25/2020			0.00028 (J)		
9/28/2020		0.0015 (J)		0.015	
3/4/2021	5.7E-05 (J)		0.00037 (J)		
3/9/2021				0.017	
3/15/2021					<0.0005
9/14/2021	<0.0005	0.0017			
9/15/2021				0.015	0.00087
9/16/2021			0.00028 (J)		
Mean	0.0002267	0.00144	0.000404	0.01378	0.0005925
Std. Dev.	0.0002142	0.0002191	0.000173	0.003942	0.000185
Upper Lim.	0.0001464	0.001807	0.0006999	0.01805	0.00087
Lower Lim.	4.658E-05	0.001073	0.0001718	0.006467	0.0005

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 11/8/2021 2:30 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	0.0012	<0.0005				
9/1/2016			0.0004 (J)			
9/6/2016				<0.0005	<0.0005	
9/7/2016						0.0003 (J)
12/6/2016	0.0013	<0.0005				
12/7/2016			0.0003 (J)	0.0002 (J)	9E-05 (J)	
12/8/2016						0.0003 (J)
3/29/2017	0.0013	<0.0005	0.0003 (J)			
3/30/2017				8E-05 (J)	9E-05 (J)	0.0003 (J)
7/12/2017	0.0013	<0.0005	0.0004 (J)	<0.0005	<0.0005	0.0002 (J)
10/24/2017	0.0014	<0.0005				
10/25/2017			0.0004 (J)		<0.0005	0.0002 (J)
11/15/2017				<0.0005		
2/27/2018	0.001	<0.0005	<0.0005			
2/28/2018				<0.0005	<0.0005	<0.0005
7/11/2018			0.00033 (J)		<0.0005	0.00029 (J)
11/6/2018	0.0012	<0.0005				
11/7/2018			<0.001 (J)	<0.0005	<0.001 (J)	<0.0005
8/27/2019	0.00077 (J)	0.00012 (J)	0.00037 (J)			0.00033 (J)
8/28/2019				<0.0005	<0.0005	
9/17/2019			0.00035 (J)			
10/15/2019	0.00095 (J)	<0.0005	0.00025 (J)			
10/16/2019				<0.0005		
10/17/2019					<0.0005	
10/18/2019						0.00029 (J)
3/2/2020		<0.0005	<0.0005			
3/3/2020	0.00095 (J)			<0.0005	0.00012 (J)	
3/4/2020						0.00028 (J)
8/11/2020	0.00071 (J)	<0.0005	0.00038 (J)			
8/12/2020				<0.0005		
8/13/2020					0.00013 (J)	
8/14/2020						0.00029 (J)
9/22/2020		0.00016 (J)	0.00017 (J)			
9/23/2020				<0.0005	<0.0005	
9/24/2020	0.00055 (J)					0.00024 (J)
3/2/2021		0.00013 (J)		<0.0005	<0.0005	
3/3/2021			0.00016 (J)			0.00023 (J)
3/4/2021	0.00088					
9/9/2021		<0.0005	<0.0005	<0.0005	<0.0005	
9/10/2021	0.00061					
9/13/2021						0.00023 (J)
Mean	0.001009	0.0004221	0.0003944	0.0004486	0.0004287	0.0002987
Std. Dev.	0.0002801	0.0001549	0.0001917	0.0001328	0.0002377	9.062E-05
Upper Lim.	0.001207	0.0005	0.0003426	0.0005	0.001	0.00033
Lower Lim.	0.0008102	0.00016	0.0002257	0.0002	0.00012	0.00023

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-19	DGWC-2	DGWC-20	DGWC-21	DGWC-22	DGWC-23
9/1/2016	0.0004 (J)					
9/2/2016			0.0023	0.0006 (J)	0.0003 (J)	
12/7/2016	0.0004 (J)		0.0023			
12/8/2016				0.0006 (J)	0.0004 (J)	
3/29/2017	0.0004 (J)		0.0021		0.0004 (J)	
3/30/2017		0.0005 (J)		0.0008 (J)		0.0002 (J)
5/11/2017		0.0004 (J)				
5/12/2017						0.0003 (J)
6/15/2017		0.0003 (J)				0.0002 (J)
7/11/2017		0.0003 (J)				
7/12/2017	0.0004 (J)		0.0021	0.0006 (J)		0.0002 (J)
7/13/2017					0.0005 (J)	
10/24/2017		0.0003 (J)				
10/25/2017	0.0004 (J)		0.002	0.0005 (J)	0.0007 (J)	
10/26/2017						0.0003 (J)
2/27/2018		<0.0005				
2/28/2018	<0.0005		0.0018	<0.0005	<0.0005	
3/1/2018						<0.0005
7/11/2018	0.00039 (J)	0.00018 (J)	0.0018	0.00054 (J)		
7/12/2018					0.00091 (J)	0.00028 (J)
11/6/2018		<0.001 (J)				
11/7/2018	<0.001 (J)		0.0018	<0.001 (J)	<0.001 (J)	
11/8/2018						<0.001 (J)
8/27/2019		0.00012 (J)				
8/28/2019	0.00033 (J)					
8/29/2019			0.002 (J)	0.00087 (J)	0.00053 (J)	0.00022 (J)
10/16/2019	0.00034 (J)					
10/17/2019		0.00013 (J)	0.0017 (J)	0.0006 (J)		
10/18/2019					0.00056 (J)	0.00022 (J)
3/3/2020	0.00037 (J)	0.00014 (J)		0.00063 (J)	0.00061 (J)	
3/4/2020			0.0026			0.00024 (J)
8/11/2020	0.0003 (J)	<0.0005				
8/13/2020			0.0021 (J)			0.00027 (J)
8/14/2020				0.00054 (J)	0.00057 (J)	
9/22/2020	0.00036 (J)		0.0014 (J)			
9/23/2020		0.00013 (J)				
9/24/2020				0.00073 (J)	0.00058 (J)	0.00018 (J)
3/2/2021	0.00035 (J)	<0.0005	0.0025			
3/3/2021				0.00044 (J)	0.0005	0.00015 (J)
9/9/2021	0.00037 (J)	<0.0005		0.00012 (J)		0.00019 (J)
9/10/2021			0.0012		0.00061	
Mean	0.0004207	0.0003667	0.00198	0.0006047	0.000578	0.0002967
Std. Dev.	0.0001665	0.0002335	0.0003802	0.0002024	0.0001826	0.0002115
Upper Lim.	0.0005	0.0002846	0.002238	0.0007418	0.0007017	0.0003
Lower Lim.	0.00034	0.0001314	0.001722	0.0004675	0.0004543	0.00019

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5	DGWC-8
8/30/2016						0.0019
8/31/2016					0.0002 (J)	
9/1/2016			0.0017	0.0013		
9/7/2016		0.0007 (J)				
12/6/2016					0.0004 (J)	0.0025
12/8/2016		0.0003 (J)	0.0002 (J)	0.0042		
3/28/2017	0.0006 (J)				0.0002 (J)	
3/29/2017						0.0024
3/30/2017				0.0089		
3/31/2017		0.0009 (J)	0.002			
5/12/2017	0.0006 (J)					
6/15/2017	0.0005 (J)					
7/11/2017	0.0006 (J)				0.0003 (J)	0.0021
7/13/2017		0.0008 (J)	0.0017	0.0033		
10/24/2017	0.0007 (J)					0.0029
10/25/2017		0.0005 (J)			0.0006 (J)	
10/26/2017			0.0015	0.0032		
2/27/2018	<0.0005				<0.0005	0.0029
2/28/2018		<0.0005				
3/1/2018			0.0025			
3/2/2018				0.0049		
7/11/2018		0.0024				
7/12/2018			0.0021	0.0032		
11/6/2018	<0.001 (J)				<0.001 (J)	0.0027
11/7/2018		<0.001 (J)	0.0016	0.0031		
8/27/2019	0.00072 (J)				0.00082 (J)	
8/28/2019		0.0015 (J)				0.0022 (J)
8/29/2019			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			
10/18/2019				0.0028		
3/2/2020	0.00088 (J)				0.00089 (J)	
3/3/2020						0.002 (J)
3/4/2020		0.00037 (J)	0.0017 (J)	0.0036		
8/12/2020	0.0008 (J)		0.001 (J)		0.00079 (J)	0.0021 (J)
8/13/2020		0.0013 (J)		0.0028		
9/22/2020	0.00065 (J)	0.0007 (J)			0.00072 (J)	
9/23/2020			0.0013 (J)	0.0025		0.0018 (J)
3/1/2021	0.00085					
3/2/2021					0.00075	0.0017
3/3/2021		0.00038 (J)	0.0016	0.0033		
9/10/2021	0.0009		0.0014	0.0028	0.00093	
9/13/2021		0.00042 (J)				0.002
Mean	0.0007193	0.0008233	0.001713	0.003527	0.0006279	0.002243
Std. Dev.	0.0001538	0.0005572	0.0006896	0.001682	0.0002677	0.0003857
Upper Lim.	0.0008282	0.001109	0.002181	0.0042	0.0008175	0.002516
Lower Lim.	0.0006103	0.0004679	0.001246	0.0025	0.0004382	0.00197

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-9	B-100	B-102D	B-56	B-63	B-82
8/30/2016	0.0004 (J)					
12/6/2016	0.0005 (J)					
3/28/2017	0.0005 (J)					
7/11/2017	0.0005 (J)					
10/24/2017	0.0006 (J)					
2/27/2018	<0.0005					
7/11/2018	0.00067 (J)					
11/6/2018	<0.001 (J)					
1/28/2019					<0.0005	
8/27/2019	0.00071 (J)					
9/11/2019					<0.0005	
9/23/2019						0.00044 (J)
10/17/2019	0.00064 (J)					
10/21/2019						0.00035 (J)
10/22/2019					0.00014 (J)	
3/3/2020	0.00059 (J)					
8/11/2020	0.00059 (J)					
8/17/2020		0.00059 (J)		0.00029 (J)		0.00058 (J)
9/22/2020	0.00059 (J)					
9/25/2020		0.00027 (J)				
9/28/2020				0.00024 (J)		0.00066 (J)
12/17/2020			0.00067 (J)			
1/11/2021			0.0008 (J)			
3/2/2021	0.00057					
3/3/2021				0.00026 (J)		
3/4/2021			0.00081			
3/8/2021		0.00027 (J)				
9/10/2021	0.00053		0.00083			
9/13/2021		0.00029 (J)		0.00028 (J)		
9/14/2021					0.00025 (J)	0.0007
Mean	0.0005927	0.000355	0.0007775	0.0002675	0.0003475	0.000546
Std. Dev.	0.0001373	0.000157	7.274E-05	2.217E-05	0.0001817	0.0001479
Upper Lim.	0.0006732	0.00059	0.0009243	0.0003178	0.0003199	0.0007939
Lower Lim.	0.0005032	0.00027	0.0006021	0.0002172	7.013E-05	0.0002981

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

	B-83	B-88	B-93
10/21/2019	0.00041 (J)		
8/14/2020	0.00037 (J)		
8/17/2020		0.0018 (J)	
8/19/2020			0.00077 (J)
9/25/2020	0.00026 (J)	0.00022 (J)	
9/28/2020			0.00074 (J)
3/4/2021	0.00032 (J)		
3/5/2021		0.0065	
3/9/2021			0.00075 (J)
9/13/2021		0.0013	
9/15/2021			0.00088
9/16/2021	0.0003 (J)		
Mean	0.000332	0.002455	0.000785
Std. Dev.	5.891E-05	0.002776	6.455E-05
Upper Lim.	0.0004307	0.008758	0.0009316
Lower Lim.	0.0002333	-0.003848	0.0006384

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 2:30 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	<0.005	<0.005				
9/1/2016			<0.005			
9/6/2016				<0.005	<0.005	
9/7/2016						0.0026 (J)
12/6/2016	<0.005	<0.005				
12/7/2016			<0.005	<0.005	<0.005	
12/8/2016						0.0025 (J)
3/29/2017	0.0008 (J)	<0.005	<0.005			
3/30/2017				0.0009 (J)	0.0005 (J)	0.0026 (J)
7/12/2017	0.0006 (J)	<0.005	<0.005	<0.005	<0.005	0.0022 (J)
10/24/2017	0.0007 (J)	<0.005				
10/25/2017			<0.005		<0.005	0.0024 (J)
11/15/2017				<0.005		
2/27/2018	<0.005	<0.005	<0.005			
2/28/2018				<0.005	<0.005	<0.005
7/11/2018			<0.005		<0.005	0.0024 (J)
11/6/2018	<0.005	<0.005				
11/7/2018			<0.005	<0.005	<0.01 (J)	<0.005
8/27/2019	0.00083 (J)	0.0006 (J)	<0.005			0.0031 (J)
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)	
10/18/2019						0.0027 (J)
3/2/2020		0.0006 (J)	<0.005			
3/3/2020	0.00092 (J)			0.00066 (J)	0.00046 (J)	
3/4/2020						0.0035 (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)	
8/14/2020						0.0033 (J)
9/22/2020		0.00058 (J)	<0.005			
9/23/2020				0.00059 (J)	<0.005	
9/24/2020	0.001 (J)					0.0029 (J)
3/2/2021		<0.005		<0.005	<0.005	
3/3/2021			0.00099 (J)			0.0028 (J)
3/4/2021	0.0009 (J)					
9/9/2021		<0.005	<0.005	<0.005	<0.005	
9/10/2021	<0.005					
9/13/2021						0.0027 (J)
Mean	0.002321	0.003742	0.004496	0.003778	0.004423	0.003047
Std. Dev.	0.002074	0.002064	0.001378	0.002006	0.002397	0.0008651
Upper Lim.	0.005	0.005	0.005	0.005	0.01	0.0035
Lower Lim.	0.00078	0.0006	0.00099	0.00074	0.00058	0.0024

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-19	DGWC-2	DGWC-20	DGWC-21	DGWC-22	DGWC-23
9/1/2016	0.0031 (J)					
9/2/2016			0.0017 (J)	<0.005	0.0012 (J)	
12/7/2016	<0.005		<0.005			
12/8/2016				<0.005	<0.005	
3/29/2017	0.0025 (J)		0.0016 (J)		<0.005	
3/30/2017		0.0005 (J)		0.0005 (J)		0.0012 (J)
5/11/2017		0.0005 (J)				
5/12/2017						0.0004 (J)
6/15/2017		<0.005				0.0005 (J)
7/11/2017		<0.005				
7/12/2017	0.0023 (J)		<0.005	0.0006 (J)		0.0007 (J)
7/13/2017					<0.005	
10/24/2017		<0.005				
10/25/2017	0.0024 (J)		0.0015 (J)	<0.005	<0.005	
10/26/2017						0.0007 (J)
2/27/2018		<0.005				
2/28/2018	<0.005		<0.005	<0.005	<0.005	
3/1/2018						<0.005
7/11/2018	0.0022 (J)	<0.005	<0.005	<0.005		
7/12/2018					<0.005	<0.005
11/6/2018		<0.005				
11/7/2018	<0.01 (J)		<0.01 (J)	<0.005	<0.005	
11/8/2018						<0.005
8/27/2019		0.0004 (J)				
8/28/2019	0.0028 (J)					
8/29/2019			0.0017 (J)	0.00041 (J)	<0.005	<0.005
10/16/2019	0.0024 (J)					
10/17/2019		0.00046 (J)	0.0015 (J)	<0.005		
10/18/2019					<0.005	0.00041 (J)
3/3/2020	0.0028 (J)	<0.005		0.00048 (J)	<0.005	
3/4/2020			0.0032 (J)			0.00081 (J)
8/11/2020	0.0024 (J)	0.00067 (J)				
8/13/2020			0.0023 (J)			0.00085 (J)
8/14/2020				<0.005	<0.005	
9/22/2020	0.003 (J)		0.0013 (J)			
9/23/2020		<0.005				
9/24/2020				0.00096 (J)	<0.005	0.00084 (J)
3/2/2021	0.0024 (J)	0.00064 (J)	0.0022 (J)			
3/3/2021				0.002 (J)	<0.005	0.0014 (J)
9/9/2021	0.003 (J)	<0.005		<0.005		<0.005
9/10/2021			<0.005		<0.005	
Mean	0.00342	0.003211	0.003467	0.00333	0.004747	0.002187
Std. Dev.	0.002022	0.002268	0.002385	0.002148	0.0009812	0.002075
Upper Lim.	0.005	0.005	0.002136	0.005	0.005	0.005
Lower Lim.	0.0023	0.0005	0.001443	0.0005	0.0012	0.0005

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5	DGWC-8
8/30/2016						<0.005
8/31/2016					<0.005	
9/1/2016			<0.005	<0.005		
9/7/2016		<0.005				
12/6/2016					<0.005	<0.005
12/8/2016		<0.005	<0.005	<0.005		
3/28/2017	0.0005 (J)				<0.005	
3/29/2017						0.0004 (J)
3/30/2017				<0.005		
3/31/2017		0.001 (J)	0.0007 (J)			
5/12/2017	<0.005					
6/15/2017	<0.005					
7/11/2017	<0.005				<0.005	<0.005
7/13/2017		0.0008 (J)	<0.005	0.0007 (J)		
10/24/2017	<0.005					<0.005
10/25/2017		0.0005 (J)			<0.005	
10/26/2017			<0.005	<0.005		
2/27/2018	<0.005				<0.005	<0.005
2/28/2018		<0.005				
3/1/2018			<0.005			
3/2/2018				<0.005		
7/11/2018		<0.005				
7/12/2018			<0.005	<0.005		
11/6/2018	<0.005				<0.005	<0.005
11/7/2018		<0.005	<0.005	<0.005		
8/27/2019	<0.005				<0.005	
8/28/2019		<0.005				<0.005
8/29/2019			<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			
10/18/2019				<0.005		
3/2/2020	<0.005				0.00045 (J)	
3/3/2020						0.00061 (J)
3/4/2020		0.00042 (J)	<0.005	0.0004 (J)		
8/12/2020	<0.005		<0.005		<0.005	0.0028 (J)
8/13/2020		0.0021 (J)		<0.005		
9/22/2020	<0.005	0.001 (J)			<0.005	
9/23/2020			<0.005	<0.005		0.00086 (J)
3/1/2021	<0.005					
3/2/2021					<0.005	0.0015 (J)
3/3/2021		<0.005	<0.005	<0.005		
9/10/2021	<0.005		<0.005	<0.005	<0.005	
9/13/2021		<0.005				<0.005
Mean	0.004679	0.003082	0.004713	0.004407	0.004675	0.003391
Std. Dev.	0.001203	0.002157	0.00111	0.001567	0.001216	0.002002
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.0005	0.0005	0.0007	0.0007	0.00045	0.00086

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-9	B-100	B-104D	B-56	B-62	B-63
8/30/2016	<0.005					
12/6/2016	<0.005					
3/28/2017	0.001 (J)					
7/11/2017	<0.005					
10/24/2017	<0.005					
2/27/2018	<0.005					
7/11/2018	<0.005					
11/6/2018	<0.005					
1/28/2019						<0.005
1/30/2019					<0.005	
8/27/2019	0.00048 (J)					
9/11/2019					<0.005	<0.005
10/17/2019	0.00051 (J)					
10/21/2019					0.00098 (J)	
10/22/2019						0.00064 (J)
3/3/2020	0.0057 (J)					
8/11/2020	0.00061 (J)					
8/13/2020					<0.005	
8/17/2020		<0.005		0.0014 (J)		
9/22/2020	<0.005					
9/24/2020					<0.005	
9/25/2020		0.00094 (J)				
9/28/2020				<0.005		
12/9/2020			0.0011 (J)			
1/12/2021			<0.005			
3/2/2021	0.00059 (J)					
3/3/2021				0.00059 (J)		
3/4/2021			<0.005			
3/8/2021		0.00057 (J)				
3/12/2021					<0.005	
9/9/2021					<0.005	
9/10/2021	<0.005					
9/13/2021		<0.005		<0.005		
9/14/2021			<0.005			<0.005
Mean	0.003593	0.002877	0.004025	0.002997	0.004426	0.00391
Std. Dev.	0.002173	0.002456	0.00195	0.002336	0.001519	0.00218
Upper Lim.	0.0057	0.001223	0.005	0.001914	0.005	0.005
Lower Lim.	0.00059	0.0003828	0.0011	7.551E-05	0.00098	0.00064

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	B-77	B-82	B-88	B-93
9/18/2019	0.00068 (J)			
9/23/2019		0.0011 (J)		
10/21/2019		<0.005		
10/24/2019	<0.005			
8/13/2020	0.0021 (J)			
8/17/2020		<0.005	0.0014 (J)	
8/19/2020				0.00057 (J)
9/24/2020	0.0007 (J)			
9/25/2020			0.00085 (J)	
9/28/2020		<0.005		0.00066 (J)
3/4/2021	0.00098 (J)			
3/5/2021			0.0017 (J)	
3/9/2021				<0.005
9/13/2021			<0.005	
9/14/2021	<0.005	<0.005		
9/15/2021				<0.005
Mean	0.00241	0.00422	0.002237	0.002807
Std. Dev.	0.002072	0.001744	0.001875	0.002532
Upper Lim.	0.001858	0.005	0.002116	0.005
Lower Lim.	0.0005328	0.0011	0.0005176	0.00057

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 2:30 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	0.193	<0.005				
9/1/2016			0.0021 (J)			
9/6/2016				<0.005	0.0042 (J)	
9/7/2016						0.0247
12/6/2016	0.2	0.0006 (J)				
12/7/2016			0.0026 (J)	<0.005	0.0028 (J)	
12/8/2016						0.029
3/29/2017	0.184	<0.005	0.0026 (J)			
3/30/2017				0.0005 (J)	0.0024 (J)	0.0283
7/12/2017	0.177	<0.005	0.0033 (J)	0.0004 (J)	0.002 (J)	0.023
10/24/2017	0.175	<0.005				
10/25/2017			0.0021 (J)		0.0019 (J)	0.0259
11/15/2017				<0.005		
2/27/2018	0.2	<0.005	<0.005			
2/28/2018				<0.005	<0.005	0.02
7/11/2018			0.002 (J)		0.0018 (J)	0.025
11/6/2018	0.2	<0.005				
11/7/2018			<0.01 (J)	<0.005	0.025	<0.01 (J)
8/27/2019	0.13	0.00076 (J)	0.0021 (J)			0.031
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)	
10/18/2019						0.023
3/2/2020		0.00078 (J)	0.029			
3/3/2020	0.18			<0.005	0.0018 (J)	
3/4/2020						0.023
8/11/2020	0.11	0.00055 (J)	0.006			
8/12/2020				<0.005		
8/13/2020					0.0024 (J)	
8/14/2020						0.026
9/22/2020		0.00098 (J)	0.013			
9/23/2020				0.00038 (J)	0.0018 (J)	
9/24/2020	0.086					0.028
3/2/2021		0.00065 (J)		<0.005	0.0013 (J)	
3/3/2021			0.01			0.016
3/4/2021	0.071					
9/9/2021		0.00081 (J)	0.034	<0.005	0.0016 (J)	
9/10/2021	0.076					
9/13/2021						0.019
Mean	0.1537	0.001481	0.008125	0.002056	0.003653	0.02313
Std. Dev.	0.04866	0.0009221	0.009711	0.0008832	0.005947	0.00641
Upper Lim.	0.1888	0.0025	0.013	0.0025	0.0028	0.02716
Lower Lim.	0.1413	0.0006	0.0021	0.0005	0.0016	0.02022

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-19	DGWC-2	DGWC-20	DGWC-21	DGWC-22	DGWC-23
9/1/2016	0.0553					
9/2/2016			0.497	0.0085 (J)	0.0102	
12/7/2016	0.0561		0.614			
12/8/2016				0.0095 (J)	0.0079 (J)	
3/29/2017	0.0534		0.443		0.0097 (J)	
3/30/2017		0.0255		0.0076 (J)		<0.005
5/11/2017		0.0284				
5/12/2017						<0.005
6/15/2017		0.0238				0.0003 (J)
7/11/2017		0.0238				
7/12/2017	0.0489		0.538	0.0092 (J)		<0.005
7/13/2017					0.0106	
10/24/2017		0.0292				
10/25/2017	0.0514		0.432	0.0092 (J)	0.0094 (J)	
10/26/2017						<0.005
2/27/2018		0.042				
2/28/2018	0.0511		0.459	<0.005	<0.005	
3/1/2018						<0.005
7/11/2018	0.051	0.02	0.47	0.0097 (J)		
7/12/2018					0.011	<0.005
11/6/2018		0.024				
11/7/2018	0.048		0.42	<0.01 (J)	<0.01 (J)	
11/8/2018						<0.01 (J)
8/27/2019		0.0088				
8/28/2019	0.048					
8/29/2019			0.66	0.01	0.0094	0.00036 (J)
10/16/2019	0.046					
10/17/2019		0.0084	0.57	0.01		
10/18/2019					0.0084	<0.005
3/3/2020	0.054	0.0073		0.01	0.0098	
3/4/2020			0.84			0.00043 (J)
8/11/2020	0.049	0.0064				
8/13/2020			0.73			0.00048 (J)
8/14/2020				0.0098	0.0087	
9/22/2020	0.051		0.47			
9/23/2020		0.0062				
9/24/2020				0.01	0.01	<0.005
3/2/2021	0.051	0.0055	0.77			
3/3/2021				0.0087	0.0078	0.00039 (J)
9/9/2021	0.055	0.0048 (J)		0.0096		0.00049 (J)
9/10/2021			0.45		0.0076	
Mean	0.05128	0.01761	0.5575	0.00862	0.008533	0.00183
Std. Dev.	0.002996	0.01155	0.1355	0.002141	0.002244	0.001357
Upper Lim.	0.05331	0.0284	0.6394	0.009773	0.009945	0.005
Lower Lim.	0.04925	0.0062	0.4659	0.008552	0.007492	0.00039

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5	DGWC-8
8/30/2016						0.0568
8/31/2016					0.055	
9/1/2016			0.536	0.539		
9/7/2016		0.0695				
12/6/2016					0.0432	0.0873
12/8/2016		0.0652	0.381	0.575		
3/28/2017	0.0018 (J)				0.04	
3/29/2017						0.0902
3/30/2017				0.573		
3/31/2017		0.0524	0.354			
5/12/2017	0.0015 (J)					
6/15/2017	0.0015 (J)					
7/11/2017	0.0015 (J)				0.0351 (J)	0.0601
7/13/2017		0.0481	0.396	0.531		
10/24/2017	0.0017 (J)					0.123
10/25/2017		0.0435			0.0209	
10/26/2017			0.383	0.482		
2/27/2018	<0.005				0.024	0.126
2/28/2018		0.0167				
3/1/2018			0.401			
3/2/2018				0.49		
7/11/2018		0.019				
7/12/2018			0.36	0.46		
11/6/2018	<0.01 (J)				0.019	0.077
11/7/2018		0.02	0.35	0.48		
8/27/2019	0.0018 (J)				0.02	
8/28/2019		0.029				0.051
8/29/2019			0.28	0.42		
10/15/2019	0.0018 (J)					
10/16/2019					0.022	0.054
10/17/2019		0.03	0.26			
10/18/2019				0.41		
3/2/2020	0.0021 (J)				0.028	
3/3/2020						0.044
3/4/2020		0.014	0.28	0.42		
8/12/2020	0.0018 (J)		0.21		0.021	0.053
8/13/2020		0.025		0.35		
9/22/2020	0.0014 (J)	0.014			0.02	
9/23/2020			0.17	0.37		0.04
3/1/2021	0.002 (J)					
3/2/2021					0.021	0.033
3/3/2021		0.0087	0.2	0.36		
9/10/2021	0.0019 (J)		0.23	0.36	0.022	
9/13/2021		0.008				0.028
Mean	0.002021	0.03087	0.3194	0.4547	0.02794	0.06596
Std. Dev.	0.000904	0.02013	0.09792	0.07771	0.01109	0.03083
Upper Lim.	0.0021	0.04451	0.3858	0.5073	0.04	0.0878
Lower Lim.	0.0015	0.01723	0.253	0.402	0.02	0.04412

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-9	B-102D	B-104D	B-111D	B-56	B-62
8/30/2016	0.0896					
12/6/2016	0.122					
3/28/2017	0.124					
7/11/2017	0.136					
10/24/2017	0.151					
2/27/2018	0.163					
7/11/2018	0.18					
11/6/2018	0.2					
1/30/2019						<0.005
8/27/2019	0.24					
9/11/2019						0.0003 (J)
10/17/2019	0.21					
10/21/2019						0.00031 (J)
3/3/2020	0.2					
8/11/2020	0.22					
8/13/2020						<0.005
8/17/2020					0.042	
9/22/2020	0.16					
9/24/2020						<0.005
9/28/2020					0.042	
12/9/2020			0.17	0.00076 (J)		
12/17/2020		0.014				
1/11/2021		0.015				
1/12/2021			0.19	0.0007 (J)		
3/2/2021	0.18					
3/3/2021					0.05	
3/4/2021		0.014	0.19			
3/5/2021				0.00052 (J)		
3/12/2021						<0.005
9/9/2021						<0.005
9/10/2021	0.21	0.013				
9/13/2021					0.047	
9/14/2021			0.1	<0.005		
Mean	0.1724	0.014	0.1625	0.00112	0.04525	0.001873
Std. Dev.	0.04231	0.0008165	0.04272	0.0009256	0.003948	0.001071
Upper Lim.	0.201	0.01585	0.2361	0.0009228	0.05421	0.0025
Lower Lim.	0.1437	0.01215	-0.01451	0.0004439	0.03629	0.0003

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

	B-63	B-66	B-82	B-93
1/28/2019	0.053			
1/30/2019		<0.005		
9/11/2019	0.043			
9/12/2019		0.006		
9/23/2019			0.0038 (J)	
10/21/2019		0.0074	0.0089	
10/22/2019	0.046			
12/19/2019				0.066
8/17/2020			0.0028 (J)	
8/19/2020				0.068
9/28/2020			0.0053	0.064
3/9/2021				0.061
3/12/2021	0.046	0.01	0.0021 (J)	
9/14/2021	0.037	0.012	0.0015 (J)	
9/15/2021				0.062
Mean	0.045	0.00758	0.004067	0.0642
Std. Dev.	0.005788	0.003665	0.002721	0.002864
Upper Lim.	0.0547	0.01241	0.007804	0.069
Lower Lim.	0.0353	0.003754	0.0003291	0.0594

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 2:30 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)					
Mean	1.284	0.9694	0.8984	1.26	0.8972	1.118
Std. Dev.	0.314	0.4467	0.714	0.3303	0.303	0.8748
Upper Lim.	1.497	1.272	1.27	1.484	1.103	1.553
Lower Lim.	1.071	0.6667	0.4013	1.036	0.6919	0.551

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 2:30 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)					
Mean	0.8113	0.7733	1.168	1.21	0.8557	1.049
Std. Dev.	0.3526	0.3942	0.4067	0.4913	0.3972	0.4659
Upper Lim.	1.05	1.04	1.444	1.543	1.125	1.364
Lower Lim.	0.5723	0.5062	0.8924	0.8767	0.5866	0.733

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 2:30 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)			
Mean	1.133	1.454	0.9499	2.344	2.03	1.431
Std. Dev.	0.5259	0.3939	0.3231	0.8249	0.6435	0.6015
Upper Lim.	1.489	1.721	1.169	2.903	2.415	1.839
Lower Lim.	0.7765	1.187	0.7309	1.785	1.602	1.024

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-104D	B-111D	B-56	B-62
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				
1/30/2019						1.97 (U)
8/27/2019		1.55				
8/28/2019	0.815 (U)					
10/16/2019	0.999 (U)					
10/17/2019		0.702 (U)				
10/21/2019						1.82
3/3/2020	0.481 (U)	1.37				
8/11/2020		0.819 (U)				
8/12/2020	0.721 (U)					
8/13/2020						1.63
8/17/2020					1.15 (U)	
9/22/2020		1.15 (U)				
9/23/2020	0.8 (U)					
9/24/2020						1.28 (U)
9/28/2020					1.39	
12/9/2020			15.2	12.3		
1/12/2021			17	9.63		
3/2/2021	0.751 (U)	1.29 (U)				
3/3/2021					1.01 (U)	
3/4/2021			14.5			
3/5/2021				9.05		
3/12/2021						1.18 (U)
9/9/2021						1.7
9/10/2021		1.28				
9/13/2021	0.916 (U)				0.854 (U)	
9/14/2021			9.6	4.39		
Mean	0.6602	1.196	14.08	8.843	1.101	1.597
Std. Dev.	0.2668	0.3583	3.164	3.288	0.2275	0.3082
Upper Lim.	0.841	1.439	21.26	16.31	1.617	2.02
Lower Lim.	0.4794	0.9531	6.892	1.377	0.5846	1.173

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	B-82	B-93
10/21/2019	0.63 (U)	
8/17/2020	0.662 (U)	
8/19/2020		1.19 (U)
9/28/2020	0.747 (U)	1.54
3/9/2021		0.786 (U)
9/14/2021	1.03 (U)	
9/15/2021		1.84
Mean	0.7673	1.339
Std. Dev.	0.182	0.4544
Upper Lim.	1.18	2.371
Lower Lim.	0.3541	0.3074

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 2:30 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	0.06 (J)			0.06 (J)	
9/1/2016			0.02 (J)			
9/6/2016				0.17 (J)		0.11 (J)
12/6/2016	1.3	0.06 (J)			0.1 (J)	
12/7/2016			0.16 (J)	0.3		0.11 (J)
3/29/2017	1.5	0.04 (J)	0.1 (J)		0.02 (J)	
3/30/2017				0.12 (J)		<0.1
7/12/2017	1.7	0.03 (J)	0.2 (J)	0.13 (J)	<0.1	0.07 (J)
10/24/2017	2.1	<0.1				
10/25/2017			0.6		<0.1	0.26 (J)
11/15/2017	1.4			0.44		
2/27/2018	2.3	<0.1	0.34		<0.1	
2/28/2018				0.18		<0.1
7/11/2018			<0.1		<0.1	<0.1
11/6/2018	2	<0.1				
11/7/2018			<0.3 (J)	<0.3 (J)	<0.1	<0.1
3/12/2019	1.7	0.052 (J)	0.065 (J)			
3/13/2019				0.13 (J)	0.042 (J)	
3/14/2019						0.057 (J)
8/27/2019	1.4	<0.1	<0.1		<0.1	
8/28/2019				0.091 (J)		<0.1
10/15/2019	1.4	<0.1	<0.1			
10/16/2019				0.14 (J)	0.052 (J)	
10/17/2019						0.079 (J)
3/2/2020		0.064 (J)	0.071 (J)			
3/3/2020	1.5			0.078 (J)	<0.1	<0.1
8/11/2020	1.4	<0.1	<0.1		<0.1	
8/12/2020				0.051 (J)		
8/13/2020						<0.1
9/22/2020		<0.1	<0.1		<0.1	
9/23/2020				0.058 (J)		<0.1
9/24/2020	0.97					
3/2/2021		<0.1		0.084 (J)	<0.1	<0.1
3/3/2021			0.085 (J)			
3/4/2021	1.8					
9/9/2021		<0.1	0.099 (J)	0.083 (J)	<0.1	<0.1
9/10/2021	2.2					
Mean	1.604	0.0804	0.1588	0.157	0.08588	0.1054
Std. Dev.	0.3955	0.0261	0.1448	0.1093	0.02643	0.04361
Upper Lim.	1.862	0.1	0.1641	0.2134	0.1	0.11
Lower Lim.	1.347	0.052	0.05529	0.08589	0.052	0.079

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 2:30 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		0.75				
9/2/2016				0.66	0.07 (J)	0.3
9/7/2016	0.32					
12/7/2016		0.37		0.66		
12/8/2016	0.31				0.14 (J)	0.12 (J)
3/29/2017		0.35		0.34		0.11 (J)
3/30/2017	0.1 (J)		0.06 (J)		<0.1	
5/11/2017			0.06 (J)			
6/15/2017			0.07 (J)			
7/11/2017			0.04 (J)			
7/12/2017	0.27 (J)	0.34		0.41	0.04 (J)	
7/13/2017						0.09 (J)
10/24/2017			0.43			
10/25/2017	0.49	0.9		0.68	0.34	0.25 (J)
2/27/2018			0.28			
2/28/2018	0.54	1.2		0.76	<0.1	<0.1
7/11/2018	0.15 (J)	0.37	0.6	1.3	<0.1	
7/12/2018						0.13 (J)
11/6/2018			<0.1			
11/7/2018	<0.3 (J)	<0.3 (J)		<0.3 (J)	<0.1	<0.1
3/12/2019			0.052 (J)			
3/13/2019	0.084 (J)	0.22 (J)		0.45	0.043 (J)	
3/14/2019						0.042 (J)
8/27/2019	0.24 (J)		<0.1			
8/28/2019		0.2				
8/29/2019				0.78	0.079 (J)	0.054 (J)
10/16/2019		0.23 (J)				
10/17/2019			0.042 (J)	0.26 (J)	<0.1	
10/18/2019	0.086 (J)					<0.1
3/3/2020		0.056 (J)	<0.1		<0.1	<0.1
3/4/2020	<0.1			1.5		
8/11/2020		0.2	<0.1			
8/13/2020				0.9		
8/14/2020	0.069 (J)				<0.1	<0.1
9/22/2020		0.084 (J)		0.15		
9/23/2020			<0.1			
9/24/2020	0.056 (J)				<0.1	<0.1
3/2/2021		0.19	<0.1	1.4		
3/3/2021	0.085 (J)				<0.1	<0.1
9/9/2021		0.18	0.053 (J)		<0.1	
9/10/2021				0.25		<0.1
9/13/2021	0.063 (J)					
Mean	0.2039	0.3713	0.1429	0.675	0.107	0.1185
Std. Dev.	0.1552	0.313	0.1586	0.4218	0.06664	0.06532
Upper Lim.	0.2722	0.5135	0.28	0.9494	0.14	0.13
Lower Lim.	0.09774	0.1749	0.052	0.4006	0.07	0.09

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 2:30 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						1
9/1/2016				1.8	1.5	
9/7/2016			0.02 (J)			
12/6/2016						0.76
12/8/2016			0.06 (J)	1.1	1.6	
3/28/2017		0.17 (J)				1.2
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
7/12/2017	0.22 (J)					
7/13/2017			<0.1	0.84	1.1	
10/24/2017		<0.1				
10/25/2017			<0.1			1.4
10/26/2017	0.66			1	1.7	
11/15/2017		0.79				
2/27/2018		<0.1				1.3
2/28/2018			<0.1			
3/1/2018	0.18			1.4		
3/2/2018					1.1	
7/11/2018			<0.1			
7/12/2018	0.25 (J)			0.96	0.65	
11/6/2018		<0.1				<0.3 (J)
11/7/2018			<0.1	0.74	0.63	
11/8/2018	<0.3 (J)					
3/12/2019		0.082 (J)				0.31
3/14/2019	0.092 (J)		<0.1	1.6	1.4	
8/27/2019		<0.1				0.32
8/28/2019			<0.1			
8/29/2019	0.095 (J)			0.52	0.78	
10/15/2019		<0.1				
10/16/2019						0.32
10/17/2019			<0.1	0.46		
10/18/2019	0.079 (J)				0.46	
3/2/2020		<0.1				0.33
3/4/2020	0.075 (J)		<0.1	0.74	0.7	
8/12/2020		<0.1		0.22		0.13
8/13/2020	0.1		<0.1		0.47	
9/22/2020		<0.1	<0.1			0.12
9/23/2020				0.11	0.32	
9/24/2020	0.075 (J)					
3/1/2021		<0.1				
3/2/2021						0.15
3/3/2021	0.063 (J)		<0.1	0.71	0.67	
9/9/2021	0.084 (J)					
9/10/2021		<0.1		0.22	0.47	0.16
9/13/2021			<0.1			
Mean	0.1852	0.1364	0.0925	0.8313	0.9006	0.5667
Std. Dev.	0.1558	0.1776	0.02176	0.4835	0.4445	0.4567
Upper Lim.	0.2262	0.17	0.1	1.146	1.19	0.7808
Lower Lim.	0.09243	0.082	0.06	0.5167	0.6114	0.2378

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-102D	B-104D	B-111D	B-62
8/30/2016	0.39	0.78				
12/6/2016	0.47	1.1				
3/28/2017		1.1				
3/29/2017	0.51					
7/11/2017	0.2 (J)	1.1				
10/24/2017	0.82	1.7				
2/27/2018	0.59	1.2				
7/11/2018		1.3				
11/6/2018	0.35	1.1				
1/30/2019						0.43
3/12/2019	0.35	0.97				
8/27/2019		0.68				
8/28/2019	0.098 (J)					
10/16/2019	0.14 (J)					
10/17/2019		1.2				
10/21/2019						0.23 (J)
3/3/2020	<0.1	1.4				
8/11/2020		1.3				
8/12/2020	0.056 (J)					
8/13/2020						0.11
9/22/2020		0.99				
9/23/2020	<0.1					
9/24/2020						0.093 (J)
12/9/2020				0.33	0.33	
12/17/2020			0.079 (J)			
1/11/2021			0.077 (J)			
1/12/2021				0.36	0.32	
3/2/2021	0.059 (J)	0.93				
3/4/2021			0.11	0.43		
3/5/2021					0.51	
3/12/2021						0.11
9/9/2021						0.14
9/10/2021		2	0.083 (J)			
9/13/2021	0.069 (J)					
9/14/2021				0.5	0.57	
Mean	0.2868	1.178	0.08725	0.405	0.4325	0.1855
Std. Dev.	0.2338	0.3265	0.01537	0.07594	0.1266	0.1295
Upper Lim.	0.4095	1.391	0.11	0.5774	0.7199	0.3546
Lower Lim.	0.1193	0.9657	0.077	0.2326	0.1451	0.06003

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

	B-77	B-83	B-93
10/21/2019		0.13 (J)	
10/24/2019	0.096 (J)		
8/13/2020	<0.1		
8/14/2020		0.05 (J)	
8/19/2020			0.32
9/24/2020	<0.1		
9/25/2020		<0.1	
9/28/2020			0.3
3/4/2021	<0.1	0.071 (J)	
3/9/2021			0.34
9/14/2021	0.078 (J)		
9/15/2021			0.34
9/16/2021		0.066 (J)	
Mean	0.0948	0.0834	0.325
Std. Dev.	0.00955	0.0317	0.01915
Upper Lim.	0.1	0.1232	0.3685
Lower Lim.	0.078	0.02857	0.2815

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/8/2021 2:30 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	<0.001	<0.001			<0.001	
9/1/2016			<0.001			
9/6/2016				<0.001		<0.001
12/6/2016	<0.001	<0.001			<0.001	
12/7/2016			<0.001	<0.001		0.0002 (J)
3/29/2017	<0.001	<0.001	<0.001		<0.001	
3/30/2017				0.0002 (J)		0.0001 (J)
7/12/2017	<0.001	<0.001	<0.001	<0.001	<0.001	0.0001 (J)
10/24/2017	<0.001	<0.001				
10/25/2017			<0.001		<0.001	<0.001
11/15/2017				<0.001		
2/27/2018	<0.001	<0.001	<0.001		<0.001	
2/28/2018				<0.001		<0.001
7/11/2018			<0.001		<0.001	<0.001
11/6/2018	<0.001	<0.001				
11/7/2018			<0.001	<0.001	<0.001	<0.001
8/27/2019	0.00024 (J)	0.00012 (J)	0.0001 (J)		<0.001	
8/28/2019				<0.001		5.9E-05 (J)
9/17/2019			<0.001			
10/15/2019	0.00014 (J)	7.6E-05 (J)	<0.001			
10/16/2019				<0.001	<0.001	
10/17/2019						<0.001
3/2/2020		0.00015 (J)	<0.001			
3/3/2020	0.00011 (J)			<0.001	<0.001	<0.001
8/11/2020	7E-05 (J)	5.3E-05 (J)	<0.001		9.6E-05 (J)	
8/12/2020				<0.001		
8/13/2020						0.0012 (J)
9/22/2020		0.0001 (J)	0.00011 (J)		4.4E-05 (J)	
9/23/2020				9.8E-05 (J)		8.2E-05 (J)
9/24/2020	0.00013 (J)					
3/2/2021		<0.001		<0.001	8.3E-05 (J)	<0.001
3/3/2021			<0.001			
3/4/2021	9.2E-05 (J)					
9/9/2021		<0.001	<0.001	<0.001	<0.001	<0.001
9/10/2021	<0.001					
Mean	0.0006273	0.0006785	0.0008881	0.0008784	0.0008149	0.0007161
Std. Dev.	0.0004481	0.0004481	0.0003057	0.0003097	0.0003834	0.0004487
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.0012
Lower Lim.	0.00011	0.0001	0.00011	0.0002	9.6E-05	0.0001

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/8/2021 2:30 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-23
9/1/2016		<0.001				
9/2/2016				<0.001	0.0002 (J)	
9/7/2016	<0.001					
12/7/2016		<0.001		<0.001		
12/8/2016	<0.001				<0.001	
3/29/2017		<0.001		<0.001		
3/30/2017	0.0001 (J)		0.0001 (J)		0.0004 (J)	<0.001
5/11/2017			9E-05 (J)			
5/12/2017						<0.001
6/15/2017			0.0001 (J)			<0.001
7/11/2017			<0.001			
7/12/2017	<0.001	<0.001		<0.001	0.0001 (J)	<0.001
10/24/2017			<0.001			
10/25/2017	<0.001	<0.001		<0.001	<0.001	
10/26/2017						<0.001
2/27/2018			<0.001			
2/28/2018	<0.001	<0.001		<0.001	<0.001	
3/1/2018						<0.001
7/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001	
7/12/2018						<0.001
11/6/2018			<0.001			
11/7/2018	<0.001	<0.001		<0.001	<0.001	
11/8/2018						<0.001
8/27/2019	9E-05 (J)		6E-05 (J)			
8/28/2019		0.00026 (J)				
8/29/2019				0.00015 (J)	0.00023 (J)	6.6E-05 (J)
10/16/2019		<0.001				
10/17/2019			8.6E-05 (J)	9.7E-05 (J)	4.6E-05 (J)	
10/18/2019	7.4E-05 (J)					<0.001
3/3/2020		7E-05 (J)	<0.001		0.00015 (J)	
3/4/2020	0.00013 (J)			0.00068 (J)		<0.001
8/11/2020		5.3E-05 (J)	6.4E-05 (J)			
8/13/2020				0.00044 (J)		<0.001
8/14/2020	0.00017 (J)				<0.001	
9/22/2020		0.00016 (J)		0.00013 (J)		
9/23/2020			9.4E-05 (J)			
9/24/2020	7.9E-05 (J)				0.00014 (J)	<0.001
3/2/2021		4.5E-05 (J)	0.00014 (J)	0.00047 (J)		
3/3/2021	0.00015 (J)				<0.001	<0.001
9/9/2021		<0.001	<0.001		<0.001	<0.001
9/10/2021				<0.001		
9/13/2021	<0.001					
Mean	0.0005862	0.0007059	0.0005156	0.0007311	0.0006177	0.0009377
Std. Dev.	0.0004585	0.0004334	0.0004693	0.0003691	0.0004296	0.0002412
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.001
Lower Lim.	9E-05	7E-05	8.6E-05	0.00015	0.00014	6.6E-05

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5	DGWC-8
8/30/2016						<0.001
8/31/2016					0.0002 (J)	
9/1/2016			0.0005 (J)	0.0008 (J)		
9/7/2016		0.0002 (J)				
12/6/2016					0.0004 (J)	<0.001
12/8/2016		0.0002 (J)	<0.001	0.0019 (J)		
3/28/2017	0.0002 (J)				<0.001	
3/29/2017						0.0001 (J)
3/30/2017				0.0035 (J)		
3/31/2017		0.0004 (J)	0.0009 (J)			
5/12/2017	<0.001					
6/15/2017	<0.001					
7/11/2017	<0.001				<0.001	<0.001
7/13/2017		0.0004 (J)	0.0007 (J)	0.002 (J)		
10/24/2017	<0.001					<0.001
10/25/2017		0.0002 (J)			0.0024 (J)	
10/26/2017			0.0009 (J)	0.0022 (J)		
2/27/2018	<0.001				<0.001	<0.001
2/28/2018		<0.001				
3/1/2018			<0.001			
3/2/2018				<0.001		
7/11/2018		0.00052 (J)				
7/12/2018			0.001 (J)	0.0014 (J)		
11/6/2018	<0.001				<0.001	<0.001
11/7/2018		<0.005 (J)	<0.005 (J)	<0.005 (J)		
8/27/2019	4.9E-05 (J)				5.1E-05 (J)	
8/28/2019		0.00036 (J)				8.2E-05 (J)
8/29/2019			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)			
10/18/2019				0.00095 (J)		
3/2/2020	<0.001				5.1E-05 (J)	
3/3/2020						0.00023 (J)
3/4/2020		0.0001 (J)	0.00088 (J)	0.0012 (J)		
8/12/2020	<0.001		0.0004 (J)		6.3E-05 (J)	0.0007 (J)
8/13/2020		0.0016 (J)		0.00092 (J)		
9/22/2020	<0.001	0.00074 (J)			4.8E-05 (J)	
9/23/2020			0.00053 (J)	0.001 (J)		0.00011 (J)
3/1/2021	0.00012 (J)					
3/2/2021					8E-05 (J)	0.00027 (J)
3/3/2021		0.00024 (J)	0.0007 (J)	0.0011		
9/10/2021	<0.001		<0.001	0.00099 (J)	<0.001	
9/13/2021		<0.001				<0.001
Mean	0.0007478	0.0008147	0.001081	0.001664	0.0005984	0.0006273
Std. Dev.	0.0004149	0.001228	0.001106	0.001169	0.0006777	0.0004132
Upper Lim.	0.001	0.0004678	0.0011	0.0022	0.001	0.001
Lower Lim.	0.00012	0.0001549	0.00053	0.00095	5.1E-05	0.00011

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-9	B-100	B-102D	B-104D	B-111D	B-56
8/30/2016	<0.001					
12/6/2016	<0.001					
3/28/2017	<0.001					
7/11/2017	<0.001					
10/24/2017	<0.001					
2/27/2018	<0.001					
7/11/2018	<0.001					
11/6/2018	<0.001					
8/27/2019	<0.001					
10/17/2019	<0.001					
3/3/2020	0.00017 (J)					
8/11/2020	<0.001					
8/17/2020		8.8E-05 (J)				0.00022 (J)
9/22/2020	0.00015 (J)					
9/25/2020		0.00021 (J)				
9/28/2020						9.1E-05 (J)
12/9/2020				5.1E-05 (J)	5.8E-05 (J)	
12/17/2020			3.7E-05 (J)			
1/11/2021			5E-05 (J)			
1/12/2021				<0.001	5.1E-05 (J)	
3/2/2021	0.00028 (J)					
3/3/2021						0.0001 (J)
3/4/2021			5.9E-05 (J)	<0.001		
3/5/2021					<0.001	
3/8/2021		0.00018 (J)				
9/10/2021	<0.001		<0.001			
9/13/2021		<0.001				<0.001
9/14/2021				<0.001	<0.001	
Mean	0.00084	0.0003695	0.0002865	0.0007628	0.0005273	0.0003528
Std. Dev.	0.0003323	0.0004235	0.0004758	0.0004745	0.0005459	0.0004355
Upper Lim.	0.001	0.0003036	0.001	0.001	0.001	0.0002854
Lower Lim.	0.00028	5.528E-05	3.7E-05	5.1E-05	5.1E-05	3.627E-05

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

	B-63	B-82	B-88	B-93
1/28/2019	<0.001			
9/11/2019	4.7E-05 (J)			
9/23/2019		0.00016 (J)		
10/21/2019		<0.001		
10/22/2019	7.3E-05 (J)			
8/17/2020		5.9E-05 (J)	0.00081 (J)	
8/19/2020				0.00012 (J)
9/25/2020			0.00035 (J)	
9/28/2020		0.00011 (J)		0.00012 (J)
3/5/2021			0.012	
3/9/2021				<0.001
9/13/2021			<0.001	
9/14/2021	<0.001	<0.001		
9/15/2021				<0.001
Mean	0.00053	0.0004658	0.00354	0.00056
Std. Dev.	0.0005428	0.000489	0.005647	0.0005081
Upper Lim.	0.001	0.0001911	0.02767	0.001
Lower Lim.	4.7E-05	4.858E-05	4.865E-05	0.00012

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 2:30 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	0.0022 (J)	0.0022 (J)			0.0031 (J)	
9/1/2016			<0.03			
9/6/2016				0.0029 (J)		0.0064 (J)
12/6/2016	<0.03	0.0027 (J)			0.0042 (J)	
12/7/2016			<0.03	0.003 (J)		0.0066 (J)
3/29/2017	0.002 (J)	0.0021 (J)	<0.03		0.0041 (J)	
3/30/2017				0.0035 (J)		0.0061 (J)
7/12/2017	0.0019 (J)	0.0022 (J)	<0.03	0.0028 (J)	0.0036 (J)	0.006 (J)
10/24/2017	0.0022 (J)	0.0024 (J)				
10/25/2017			<0.03		0.0032 (J)	0.0061 (J)
11/15/2017				0.0028 (J)		
2/27/2018	0.0037 (J)	0.0022 (J)	0.00097 (J)		0.0035 (J)	
2/28/2018				<0.03		0.0062 (J)
7/11/2018			<0.03		0.0034 (J)	0.0058 (J)
11/6/2018	<0.03	<0.03				
11/7/2018			<0.03	<0.03	<0.03	<0.05 (O)
8/27/2019	0.0053 (J)	0.0023 (J)	0.0011 (J)		0.0038 (J)	
8/28/2019				0.0033 (J)		0.0063 (J)
9/17/2019			0.0011 (J)			
10/15/2019	0.0051 (J)	0.0019 (J)	0.00091 (J)			
10/16/2019				0.0029 (J)	0.0032 (J)	
10/17/2019						0.0064 (J)
3/2/2020		0.0023 (J)	<0.03			
3/3/2020	0.0049 (J)			0.0035 (J)	0.008 (J)	0.0059 (J)
8/11/2020	0.0033 (J)	0.0028 (J)	0.0011 (J)		0.0035 (J)	
8/12/2020				0.0034 (J)		
8/13/2020						0.0089 (J)
9/22/2020		0.0019 (J)	<0.03		0.0038 (J)	
9/23/2020				0.0033 (J)		0.006 (J)
9/24/2020	0.0049 (J)					
3/2/2021		0.0017 (J)		0.0033 (J)	0.004 (J)	0.0051 (J)
3/3/2021			<0.03			
3/4/2021	0.0042 (J)					
9/9/2021		0.0029 (J)	<0.03	0.0036 (J)	0.0044 (J)	0.0057 (J)
9/10/2021	0.0051 (J)					
Mean	0.005343	0.003186	0.01064	0.004879	0.00472	0.00625
Std. Dev.	0.004279	0.003418	0.006685	0.004297	0.003078	0.0008465
Upper Lim.	0.006793	0.0028	0.015	0.0036	0.0044	0.0066
Lower Lim.	0.002702	0.0019	0.0011	0.0029	0.0032	0.0058

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 2:30 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		0.0034 (J)				
9/2/2016				0.0021 (J)	0.0057 (J)	0.0046 (J)
9/7/2016	<0.03					
12/7/2016		0.0034 (J)		0.005 (J)		
12/8/2016	<0.03				0.0054 (J)	0.0047 (J)
3/29/2017		0.0031 (J)		0.0021 (J)		0.0043 (J)
3/30/2017	<0.03		0.0807		0.0065 (J)	
5/11/2017			0.085			
6/15/2017			0.0781			
7/11/2017			0.0731			
7/12/2017	<0.03	0.0032 (J)		0.0019 (J)	0.0057 (J)	
7/13/2017						0.0044 (J)
10/24/2017			0.0995			
10/25/2017	<0.03	0.0031 (J)		0.0022 (J)	0.006 (J)	0.0042 (J)
2/27/2018			0.0875			
2/28/2018	<0.03	0.0031 (J)		0.0019 (J)	0.0061 (J)	0.0043 (J)
7/11/2018	<0.03	0.0034 (J)	0.033 (J)	0.0022 (J)	0.0057 (J)	
7/12/2018						0.0036 (J)
11/6/2018			<0.03			
11/7/2018	<0.03	<0.03		<0.03	<0.03	<0.03
8/27/2019	0.00089 (J)		0.032			
8/28/2019		0.0032 (J)				
8/29/2019				0.0093 (J)	0.0061 (J)	0.0035 (J)
10/16/2019		0.0026 (J)				
10/17/2019			0.029 (J)	0.0075 (J)	0.0063 (J)	
10/18/2019	0.00096 (J)					0.0041 (J)
3/3/2020		0.0034 (J)	0.026 (J)		0.0065 (J)	0.0046 (J)
3/4/2020	0.0011 (J)			0.019 (J)		
8/11/2020		0.0031 (J)	0.028 (J)			
8/13/2020				0.012 (J)		
8/14/2020	0.0015 (J)				0.0058 (J)	0.0039 (J)
9/22/2020		0.0034 (J)		0.0026 (J)		
9/23/2020			0.022 (J)			
9/24/2020	0.00096 (J)				0.0062 (J)	0.0037 (J)
3/2/2021		0.003 (J)	0.023 (J)	0.011 (J)		
3/3/2021	0.0011 (J)				0.0054 (J)	0.0038 (J)
9/9/2021		0.0035 (J)	0.024 (J)		0.006 (J)	
9/10/2021				0.0023 (J)		0.0039 (J)
9/13/2021	<0.03					
Mean	0.009434	0.003993	0.04906	0.006407	0.00656	0.00484
Std. Dev.	0.007057	0.003053	0.03031	0.005611	0.00236	0.002836
Upper Lim.	0.015	0.0035	0.085	0.012	0.0065	0.0046
Lower Lim.	0.00096	0.003	0.023	0.0021	0.0057	0.0037

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 2:30 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						0.0026 (J)
9/1/2016				0.0854	0.125	
9/7/2016			0.012 (J)			
12/6/2016						0.0046 (J)
12/8/2016			0.0118 (J)	0.0667	0.122	
3/28/2017		0.0031 (J)				0.0028 (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)
7/12/2017	0.0068 (J)					
7/13/2017			0.0116 (J)	0.0743	0.143	
10/24/2017		0.0024 (J)				
10/25/2017			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)
2/28/2018			0.0122 (J)			
3/1/2018	0.0759			0.0772		
3/2/2018					0.129	
7/11/2018			0.01 (J)			
7/12/2018	0.0047 (J)			0.073	0.12	
11/6/2018		<0.03				<0.03
11/7/2018			<0.03	0.082	0.12	
11/8/2018	<0.03					
8/27/2019		0.0033 (J)				0.008 (J)
8/28/2019			0.01 (J)			
8/29/2019	0.0017 (J)			0.056	0.11	
10/15/2019		0.0029 (J)				
10/16/2019						0.006 (J)
10/17/2019			0.011 (J)	0.066		
10/18/2019	0.0039 (J)				0.11	
3/2/2020		0.0035 (J)				0.0079 (J)
3/4/2020	0.004 (J)		0.0091 (J)	0.063	0.12	
8/12/2020		0.0031 (J)		0.054		0.0067 (J)
8/13/2020	0.0052 (J)		0.011 (J)		0.098	
9/22/2020		0.0026 (J)	0.0099 (J)			0.0065 (J)
9/23/2020				0.046	0.1	
9/24/2020	0.0045 (J)					
3/1/2021		0.0035 (J)				
3/2/2021						0.0064 (J)
3/3/2021	0.014 (J)		0.0079 (J)	0.049	0.096	
9/9/2021	0.0081 (J)					
9/10/2021		0.0035 (J)		0.053	0.095	0.0071 (J)
9/13/2021			0.015 (J)			
Mean	0.01165	0.003786	0.01137	0.06622	0.1165	0.006343
Std. Dev.	0.01832	0.003256	0.001928	0.01232	0.01544	0.003062
Upper Lim.	0.01279	0.0035	0.01268	0.07457	0.1269	0.008199
Lower Lim.	0.003816	0.0025	0.01007	0.05787	0.106	0.004206

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100	B-102D	B-104D	B-56
8/30/2016	0.005 (J)	0.0212 (J)				
12/6/2016	0.0066 (J)	0.0242 (J)				
3/28/2017		0.0249 (J)				
3/29/2017	0.0059 (J)					
7/11/2017	0.0045 (J)	0.022 (J)				
10/24/2017	0.0072 (J)	0.0281 (J)				
2/27/2018	0.0075 (J)	0.031 (J)				
7/11/2018		0.028 (J)				
11/6/2018	<0.03	<0.03				
8/27/2019		0.031				
8/28/2019	0.0048 (J)					
10/16/2019	0.0045 (J)					
10/17/2019		0.029 (J)				
3/3/2020	0.0052 (J)	0.028 (J)				
8/11/2020		0.032				
8/12/2020	0.0058 (J)					
8/17/2020			0.0013 (J)			0.0056 (J)
9/22/2020		0.025 (J)				
9/23/2020	0.0045 (J)					
9/25/2020			0.0027 (J)			
9/28/2020						0.005 (J)
12/9/2020					0.039 (J)	
12/17/2020				0.012 (J)		
1/11/2021				0.015 (J)		
1/12/2021					0.039	
3/2/2021	0.0046 (J)	0.028 (J)				
3/3/2021						0.0051 (J)
3/4/2021				0.014 (J)	0.038	
3/8/2021			0.0024 (J)			
9/10/2021		0.027 (J)		0.012 (J)		
9/13/2021	0.0034 (J)		0.0022 (J)			0.0055 (J)
9/14/2021					0.036	
Mean	0.006036	0.02629	0.00215	0.01325	0.038	0.0053
Std. Dev.	0.002823	0.004445	0.0006028	0.0015	0.001414	0.0002944
Upper Lim.	0.0072	0.02931	0.003519	0.01666	0.04121	0.005968
Lower Lim.	0.0045	0.02328	0.0007815	0.009844	0.03479	0.004632

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	B-62	B-63	B-83	B-93
1/28/2019		<0.03		
1/30/2019	<0.03			
9/11/2019	0.0078 (J)	0.0064 (J)		
10/21/2019	0.0078 (J)		0.003 (J)	
10/22/2019		0.0062 (J)		
8/13/2020	0.0087 (J)			
8/14/2020			0.0045 (J)	
8/19/2020				0.011 (J)
9/24/2020	0.0084 (J)			
9/25/2020			0.0018 (J)	
9/28/2020				0.011 (J)
3/4/2021			0.0024 (J)	
3/9/2021				0.012 (J)
3/12/2021	0.0087 (J)	0.0066 (J)		
9/9/2021	0.0094 (J)			
9/14/2021		0.0064 (J)		
9/15/2021				0.011 (J)
9/16/2021			0.0021 (J)	
Mean	0.0094	0.00812	0.00276	0.01125
Std. Dev.	0.002532	0.003849	0.001069	0.0005
Upper Lim.	0.015	0.015	0.004551	0.012
Lower Lim.	0.0078	0.0062	0.0009685	0.011

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 11/8/2021 2:30 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					
Mean	0.0001658	0.0001707	0.0001541	0.0001829	0.0001727	0.0001907
Std. Dev.	5.628E-05	5.85E-05	6.456E-05	4.375E-05	5.688E-05	3.615E-05
Upper Lim.	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Lower Lim.	8.1E-05	8E-05	8E-05	9E-05	8E-05	6E-05

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 11/8/2021 2:30 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)					
Mean	0.0001404	0.000172	0.0002049	0.0001767	0.000158	0.0001677
Std. Dev.	6.361E-05	5.882E-05	0.0001304	4.835E-05	6.327E-05	5.729E-05
Upper Lim.	0.0002	0.0002	0.00064	0.0002	0.0002	0.0002
Lower Lim.	6E-05	9E-05	8.3E-05	9E-05	6E-05	0.0001

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 11/8/2021 2:30 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
Mean	0.0001853	0.0002059	0.0001893	0.0001907	0.0001924	0.0001494
Std. Dev.	5.73E-05	0.0001192	4.131E-05	3.615E-05	0.0001175	6.312E-05
Upper Lim.	0.0002053	0.00059	0.0002	0.0002	0.0002402	0.0002
Lower Lim.	0.0001241	0.00013	4E-05	6E-05	0.0001202	7.9E-05

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-9	B-104D	B-111D	B-56	B-82	B-88
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)					
9/23/2019					<0.0002	
10/17/2019	0.00042 (J)					
10/21/2019					<0.0002	
3/3/2020	<0.0002					
8/11/2020	0.00026					
8/17/2020				0.00016 (J)	0.00011 (J)	0.00011 (J)
9/22/2020	0.00013 (J)					
9/25/2020						<0.0002
9/28/2020				<0.0002	<0.0002	
12/9/2020		7.9E-05 (J)	9.4E-05 (J)			
1/12/2021		<0.0002	<0.0002			
3/2/2021	0.00017 (J)					
3/3/2021				<0.0002		
3/4/2021		<0.0002				
3/5/2021			<0.0002			0.0001 (J)
9/10/2021	0.00014 (J)					
9/13/2021				<0.0002		<0.0002
9/14/2021		<0.0002	<0.0002		<0.0002	
Mean	0.0001881	0.0001697	0.0001735	0.00019	0.000182	0.0001525
Std. Dev.	8.736E-05	6.05E-05	5.3E-05	2E-05	4.025E-05	5.5E-05
Upper Lim.	0.00021	0.0002	0.0002	0.0002	0.0002	0.0002
Lower Lim.	0.00013	7.9E-05	9.4E-05	0.00016	0.00011	0.0001

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

	B-93
8/19/2020	0.00026
9/28/2020	0.00024 (J)
3/9/2021	0.00015 (J)
9/15/2021	9.8E-05 (J)
Mean	0.000187
Std. Dev.	7.622E-05
Upper Lim.	0.00036
Lower Lim.	1.396E-05

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-13	DGWC-2	DGWC-23	DGWC-4	B-104D	B-111D
9/6/2016	0.0371					
12/7/2016	0.0273					
3/28/2017				0.008 (J)		
3/30/2017	0.03	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	0.0323		0.0092 (J)			
10/24/2017		<0.01		0.0072 (J)		
10/26/2017			0.0077 (J)			
11/15/2017	0.0275					
2/27/2018		<0.01		0.0069 (J)		
2/28/2018	0.0093 (J)					
3/1/2018			0.0045 (J)			
7/11/2018		<0.01				
7/12/2018			0.012			
11/6/2018		<0.01		<0.01 (J)		
11/7/2018	0.018					
11/8/2018			0.012			
8/27/2019		0.002 (J)		0.0065 (J)		
8/28/2019	0.015					
8/29/2019			0.014			
10/15/2019				0.0061 (J)		
10/16/2019	0.014					
10/17/2019		0.0018 (J)				
10/18/2019			0.0091 (J)			
3/2/2020				0.0059 (J)		
3/3/2020	0.018	0.0022 (J)				
3/4/2020			0.0047 (J)			
8/11/2020		0.002 (J)				
8/12/2020	0.012			0.0057 (J)		
8/13/2020			0.013			
9/22/2020				0.0028 (J)		
9/23/2020	0.012	0.0022 (J)				
9/24/2020			0.0088 (J)			
12/9/2020				0.0012 (J)	0.0055 (J)	
1/12/2021				<0.01	0.0054 (J)	
3/1/2021				0.0051 (J)		
3/2/2021	0.011	0.0021 (J)				
3/3/2021			0.0026 (J)			
3/4/2021				<0.01		
3/5/2021					0.0067 (J)	
9/9/2021	0.011	0.0023 (J)	0.01			
9/10/2021				0.0052 (J)		
9/14/2021				<0.01	0.013	
Mean	0.01961	0.005093	0.008993	0.006007	0.0078	0.00765
Std. Dev.	0.009301	0.004167	0.003208	0.001765	0.0044	0.003615
Upper Lim.	0.0262	0.01	0.01117	0.007258	0.01	0.01817
Lower Lim.	0.01302	0.0018	0.00682	0.004757	0.0012	0.002799

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

	B-66	B-88
1/30/2019	<0.01	
9/12/2019	0.0018 (J)	
10/21/2019	0.0015 (J)	
8/17/2020		0.0012 (J)
9/25/2020		0.0012 (J)
3/5/2021		<0.01
9/13/2021		<0.01
9/14/2021	<0.01	
Mean	0.005825	0.0056
Std. Dev.	0.004822	0.005081
Upper Lim.	0.01	0.01
Lower Lim.	0.0015	0.0012

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-10	DGWC-12	DGWC-13	DGWC-14	DGWC-15	DGWC-17
8/31/2016	0.0366			0.0016 (J)		
9/1/2016		0.0017 (J)				
9/6/2016			0.0011 (J)		<0.005	
9/7/2016						0.007 (J)
12/6/2016	0.0026 (J)			<0.005		
12/7/2016		<0.005	0.0015 (J)		<0.005	
12/8/2016						0.0087 (J)
3/29/2017	0.0286	0.0017 (J)		<0.005		
3/30/2017			0.0015 (J)		<0.005	0.0099 (J)
7/12/2017	0.0257	0.0019 (J)	<0.005	<0.005	<0.005	0.0072 (J)
10/24/2017	0.0281					
10/25/2017		0.0024 (J)		<0.005	<0.005	0.0078 (J)
11/15/2017			0.0019 (J)			
2/27/2018	0.0667	<0.005		<0.005		
2/28/2018			<0.005		<0.005	<0.005
7/11/2018		<0.005		0.002 (J)	<0.005	0.007 (J)
11/6/2018	0.049					
11/7/2018		<0.01 (J)	<0.01 (J)	<0.01 (J)	<0.01 (J)	<0.005
8/27/2019	0.015	<0.005		<0.005		0.0073 (J)
8/28/2019			0.0039 (J)		<0.005	
9/17/2019		0.0014 (J)				
10/15/2019	0.071	0.0019 (J)				
10/16/2019			0.0031 (J)	0.0017 (J)		
10/17/2019					<0.005	
10/18/2019						0.0093 (J)
3/2/2020		<0.005				
3/3/2020	0.021		0.0062 (J)	0.0014 (J)	<0.005	
3/4/2020						0.0074 (J)
8/11/2020	0.023	0.0019 (J)		<0.005		
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		
9/23/2020			0.0053 (J)		<0.005	
9/24/2020	0.074					0.015
3/2/2021			0.006	<0.005	<0.005	
3/3/2021		<0.005				0.0072
3/4/2021	0.05					
9/9/2021		<0.005	0.006	0.0017 (J)	<0.005	
9/10/2021	0.034					
9/13/2021						0.0071
Mean	0.03752	0.003931	0.004307	0.004227	0.00512	0.007953
Std. Dev.	0.0217	0.002266	0.00244	0.002257	0.001582	0.002359
Upper Lim.	0.05289	0.005	0.004442	0.01	0.01	0.009189
Lower Lim.	0.02215	0.0017	0.0019	0.0017	0.0018	0.006423

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 11/8/2021 2:30 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-47
9/1/2016	0.0093 (J)					0.0217
9/2/2016			0.0671	<0.005		
12/7/2016	<0.005		0.0056 (J)			
12/8/2016				<0.005		0.017
3/28/2017					<0.005	
3/29/2017	0.0071 (J)		0.0521	<0.005		
3/30/2017		<0.005				
3/31/2017						0.0133
5/11/2017		<0.005				
5/12/2017					<0.005	
6/15/2017		<0.005			<0.005	
7/11/2017		<0.005			<0.005	
7/12/2017	0.0065 (J)		0.0483			
7/13/2017				<0.005		0.0068 (J)
10/24/2017		<0.005			<0.005	
10/25/2017	0.0087 (J)		0.0506	<0.005		
10/26/2017						0.0097 (J)
2/27/2018		<0.005			<0.005	
2/28/2018	0.0114		0.0755	<0.005		
3/1/2018						0.0124
7/11/2018	0.0036 (J)	0.0045 (J)	0.022			
7/12/2018				0.0017 (J)		0.015
11/6/2018		<0.01 (J)			<0.005	
11/7/2018	<0.01 (J)		0.044	<0.005		<0.01 (J)
8/27/2019		0.0069 (J)			<0.005	
8/28/2019	0.004 (J)					
8/29/2019			0.029	<0.005		0.004 (J)
10/15/2019					0.0014 (J)	
10/16/2019	0.006 (J)					
10/17/2019		0.0051 (J)	0.071			0.0062 (J)
10/18/2019				<0.005		
3/2/2020					<0.005	
3/3/2020	0.0066 (J)	0.0047 (J)		<0.005		
3/4/2020			0.071			0.0065 (J)
8/11/2020	0.0096 (J)	0.0053 (J)				
8/12/2020					<0.005	0.002 (J)
8/13/2020			0.091			
8/14/2020				<0.005		
9/22/2020	0.0052 (J)		0.023		<0.005	
9/23/2020		0.0046 (J)				<0.005
9/24/2020				<0.005		
3/1/2021					<0.005	
3/2/2021	0.0091	0.0037 (J)	0.078			
3/3/2021				<0.005		0.0039 (J)
9/9/2021	0.0083	0.0031 (J)				
9/10/2021			0.031	<0.005	<0.005	0.0035 (J)
Mean	0.00736	0.005193	0.05061	0.00478	0.004743	0.009133
Std. Dev.	0.00234	0.001557	0.02481	0.0008521	0.0009621	0.005718
Upper Lim.	0.008946	0.0053	0.06742	0.005	0.005	0.01301
Lower Lim.	0.005774	0.0045	0.0338	0.0017	0.0014	0.005259

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-48	DGWC-5	DGWC-8	DGWC-9	B-100	B-104D
8/30/2016			0.0032 (J)	0.0833		
8/31/2016		0.0182				
9/1/2016	0.0084 (J)					
12/6/2016		0.012	<0.005	0.0065 (J)		
12/8/2016	0.0084 (J)					
3/28/2017		0.168		0.0954		
3/29/2017			0.0048 (J)			
3/30/2017	0.0079 (J)					
7/11/2017		0.0607	0.0031 (J)	0.0561		
7/13/2017	0.0062 (J)					
10/24/2017			0.0069 (J)	0.0653		
10/25/2017		0.034				
10/26/2017	0.0058 (J)					
2/27/2018		0.0348	<0.005	0.13		
3/2/2018	<0.005					
7/11/2018				0.045		
7/12/2018	0.013					
11/6/2018		<0.01 (J)	<0.01 (J)	0.12		
11/7/2018	<0.01 (J)					
8/27/2019		0.0031 (J)		0.067		
8/28/2019			<0.005			
8/29/2019	0.0023 (J)					
10/16/2019		0.015	0.0016 (J)			
10/17/2019				0.19		
10/18/2019	0.005 (J)					
3/2/2020		0.032				
3/3/2020			0.0018 (J)	0.046		
3/4/2020	0.0061 (J)					
8/11/2020				0.11		
8/12/2020		0.011	<0.005			
8/13/2020	0.0029 (J)					
8/17/2020					<0.005	
9/22/2020		0.04		0.23		
9/23/2020	0.0016 (J)		0.0028 (J)			
9/25/2020					<0.005	
12/9/2020						<0.005
1/12/2021						0.0016 (J)
3/2/2021		0.0081	<0.005	0.07		
3/3/2021	0.0025 (J)					
3/4/2021						0.0031 (J)
3/8/2021					0.0019 (J)	
9/10/2021	0.0022 (J)	0.0099		0.057		
9/13/2021			<0.005		<0.005	
9/14/2021						<0.005
Mean	0.00582	0.03263	0.004586	0.09144	0.004225	0.003675
Std. Dev.	0.003285	0.04214	0.002144	0.0581	0.00155	0.001648
Upper Lim.	0.008046	0.0457	0.00408	0.1308	0.005	0.004053
Lower Lim.	0.003594	0.00964	0.002153	0.05207	0.0019	0.0006472

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	B-111D	B-56	B-77	B-82	B-83	B-88
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)		
12/9/2020	<0.005					
1/12/2021	<0.005					
3/3/2021		0.013				
3/4/2021			0.0017 (J)		0.024	
3/5/2021	0.0022 (J)					0.0033 (J)
9/13/2021		0.011				0.0021 (J)
9/14/2021	<0.005		<0.005	<0.005		
9/16/2021					0.025	
Mean	0.0043	0.016	0.00445	0.00374	0.01824	0.0026
Std. Dev.	0.0014	0.008718	0.001347	0.001734	0.006906	0.0008246
Upper Lim.	0.005	0.029	0.005	0.005	0.02981	0.004472
Lower Lim.	0.0022	0.011	0.0017	0.0016	0.006668	0.0007278

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-10	DGWC-12	DGWC-17	DGWC-19	DGWC-20	DGWC-22
8/31/2016	0.0004 (J)					
9/1/2016		<0.001		0.0005 (J)		
9/2/2016					<0.001	<0.001
9/7/2016			<0.001			
12/6/2016	0.0004 (J)					
12/7/2016		<0.001		0.0005 (J)	0.0006 (J)	
12/8/2016			<0.001			<0.001
3/29/2017	0.0006 (J)	8E-05 (J)		0.0004 (J)	0.0006 (J)	6E-05 (J)
3/30/2017			0.0002 (J)			
7/12/2017	0.0005 (J)	9E-05 (J)	0.0002 (J)	0.0005 (J)	0.0006 (J)	
7/13/2017						7E-05 (J)
10/24/2017	0.0004 (J)					
10/25/2017		9E-05 (J)	0.0002 (J)	0.0004 (J)	0.0005 (J)	7E-05 (J)
2/27/2018	<0.001	<0.001				
2/28/2018			0.00015 (J)	0.00049 (J)	<0.001	<0.001
7/11/2018		<0.001	0.00017 (J)	0.0005 (J)	<0.001	
7/12/2018						<0.001
11/6/2018	<0.001 (J)					
11/7/2018		<0.001	<0.001	<0.001 (J)	<0.001 (J)	<0.001
8/27/2019	0.00036 (J)	8.9E-05 (J)	0.00018 (J)			
8/28/2019				0.00053 (J)		
8/29/2019					0.00084 (J)	6.4E-05 (J)
9/17/2019		9.7E-05 (J)				
10/15/2019	0.00039 (J)	9.1E-05 (J)				
10/16/2019				0.00053 (J)		
10/17/2019					0.00062 (J)	
10/18/2019			0.00014 (J)			<0.001
3/2/2020		0.00013 (J)				
3/3/2020	0.00042 (J)			0.0006 (J)		7E-05 (J)
3/4/2020			0.00019 (J)		0.0023 (J)	
8/11/2020	0.00037 (J)	<0.001		0.00059 (J)		
8/13/2020					0.0016 (J)	
8/14/2020			0.00019 (J)			<0.001
9/22/2020		<0.001		0.0005 (J)	0.00055 (J)	
9/24/2020	0.00034 (J)		0.00018 (J)			<0.001
3/2/2021				0.00056 (J)	0.0014 (J)	
3/3/2021		<0.001	0.00017 (J)			<0.001
3/4/2021	0.00042 (J)					
9/9/2021		<0.001		0.00056 (J)		
9/10/2021	0.00027 (J)				0.00052 (J)	<0.001
9/13/2021			<0.001			
Mean	0.0004907	0.0006042	0.000398	0.000544	0.000942	0.0006889
Std. Dev.	0.0002285	0.0004636	0.0003761	0.0001384	0.0004995	0.0004554
Upper Lim.	0.0006	0.001	0.001	0.00059	0.000988	0.001
Lower Lim.	0.00036	9E-05	0.00017	0.00049	0.0005219	6.4E-05

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

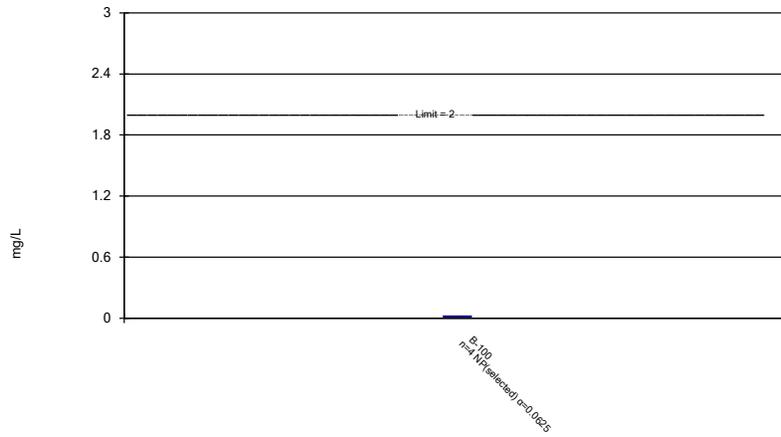
	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5	DGWC-8
8/30/2016						<0.001
8/31/2016					<0.001	
9/1/2016			0.0002 (J)	<0.001		
9/7/2016		<0.001				
12/6/2016					<0.001	<0.001
12/8/2016		<0.001	<0.001	<0.001		
3/28/2017	<0.001				0.0002 (J)	
3/29/2017						0.0002 (J)
3/30/2017				9E-05 (J)		
3/31/2017		9E-05 (J)	0.0002 (J)			
5/12/2017	<0.001					
6/15/2017	<0.001					
7/11/2017	<0.001				<0.001	0.0001 (J)
7/13/2017		9E-05 (J)	0.0002 (J)	8E-05 (J)		
10/24/2017	<0.001					0.0003 (J)
10/25/2017		9E-05 (J)			<0.001	
10/26/2017			0.0003 (J)	9E-05 (J)		
2/27/2018	<0.001				<0.001	0.00033 (J)
2/28/2018		<0.001				
3/1/2018			0.00032 (J)			
3/2/2018				<0.001		
7/11/2018		<0.001				
7/12/2018			0.00031 (J)	<0.001		
11/6/2018	<0.001				<0.001	<0.001 (J)
11/7/2018		<0.001	<0.001 (J)	<0.001		
8/27/2019	<0.001				<0.001	
8/28/2019		6.9E-05 (J)				0.00022 (J)
8/29/2019			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)			
10/18/2019				<0.001		
3/2/2020	<0.001				6.2E-05 (J)	
3/3/2020						0.00023 (J)
3/4/2020		<0.001	0.00021 (J)	6.8E-05 (J)		
8/12/2020	<0.001		0.00018 (J)		<0.001	0.00023 (J)
8/13/2020		<0.001		<0.001		
9/22/2020	<0.001	<0.001			<0.001	
9/23/2020			0.00026 (J)	<0.001		0.0002 (J)
3/1/2021	<0.001					
3/2/2021					<0.001	0.00019 (J)
3/3/2021		<0.001	0.00023 (J)	<0.001		
9/10/2021	<0.001		0.00036 (J)	<0.001	<0.001	
9/13/2021		<0.001				0.00019 (J)
Mean	0.0009338	0.0007559	0.0003513	0.0006937	0.00081	0.0003886
Std. Dev.	0.0002478	0.000419	0.0002684	0.0004484	0.0003787	0.0003356
Upper Lim.	0.001	0.001	0.00036	0.001	0.001	0.001
Lower Lim.	7.3E-05	9E-05	0.0002	8E-05	0.0002	0.00019

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-9	B-56	B-82	B-83	B-88
8/30/2016	<0.001				
12/6/2016	0.0006 (J)				
3/28/2017	0.0007 (J)				
7/11/2017	0.0007 (J)				
10/24/2017	0.0006 (J)				
2/27/2018	0.00038 (J)				
7/11/2018	<0.001				
11/6/2018	<0.001				
8/27/2019	0.00053 (J)				
9/23/2019			9.9E-05 (J)		
10/17/2019	0.00076 (J)				
10/21/2019			0.00011 (J)	7.2E-05 (J)	
3/3/2020	0.00044 (J)				
8/11/2020	<0.001				
8/14/2020				<0.001	
8/17/2020		0.00016 (J)	<0.001		<0.001
9/22/2020	0.00043 (J)				
9/25/2020				<0.001	<0.001
9/28/2020		0.00023 (J)	<0.001		
3/2/2021	<0.001				
3/3/2021		0.00026 (J)			
3/4/2021				<0.001	
3/5/2021					0.0002 (J)
9/10/2021	0.0004 (J)				
9/13/2021		0.00024 (J)			<0.001
9/14/2021			<0.001		
9/16/2021				<0.001	
Mean	0.0007027	0.0002225	0.0006418	0.0008144	0.0008
Std. Dev.	0.0002443	4.349E-05	0.0004905	0.000415	0.0004
Upper Lim.	0.001	0.0003212	0.001	0.001	0.001
Lower Lim.	0.00043	0.0001238	9.9E-05	7.2E-05	0.0002

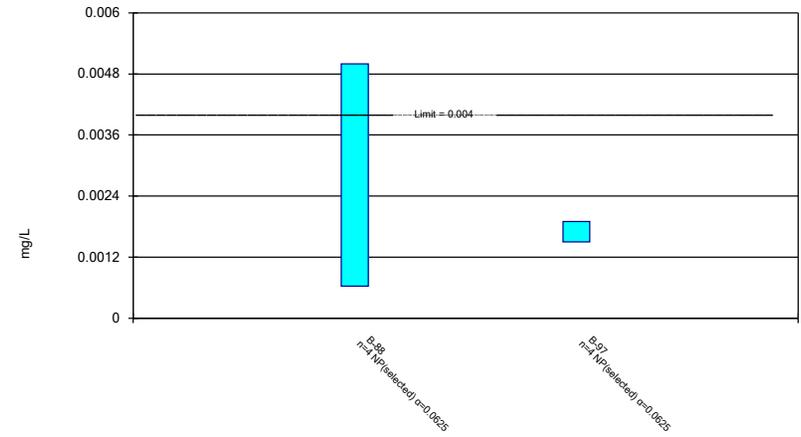
Non-Parametric Confidence Interval
Compliance Limit is not exceeded.



Normality testing disabled.

Constituent: Barium Analysis Run 11/8/2021 2:29 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

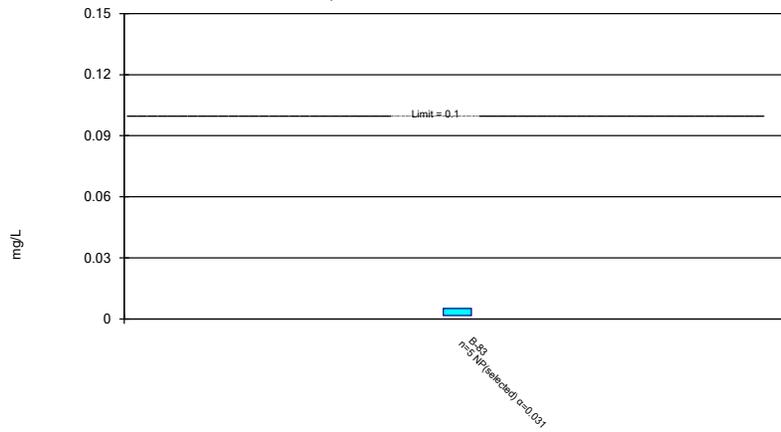
Non-Parametric Confidence Interval
Compliance Limit is not exceeded.



Normality testing disabled.

Constituent: Beryllium Analysis Run 11/8/2021 2:29 PM View: AP 234 Confidence Intervals Nonparametri
Plant McDonough Client: Southern Company Data: McDonough AP

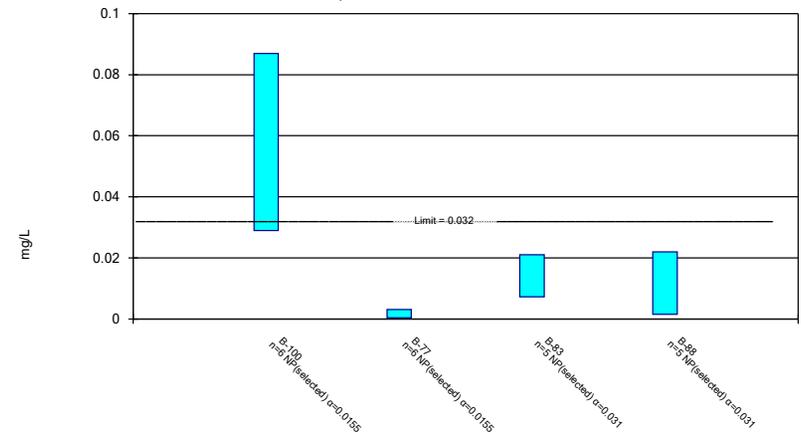
Non-Parametric Confidence Interval
Compliance Limit is not exceeded.



Normality testing disabled.

Constituent: Chromium Analysis Run 11/8/2021 2:29 PM View: AP 234 Confidence Intervals Nonparametr
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval
Compliance Limit is not exceeded.

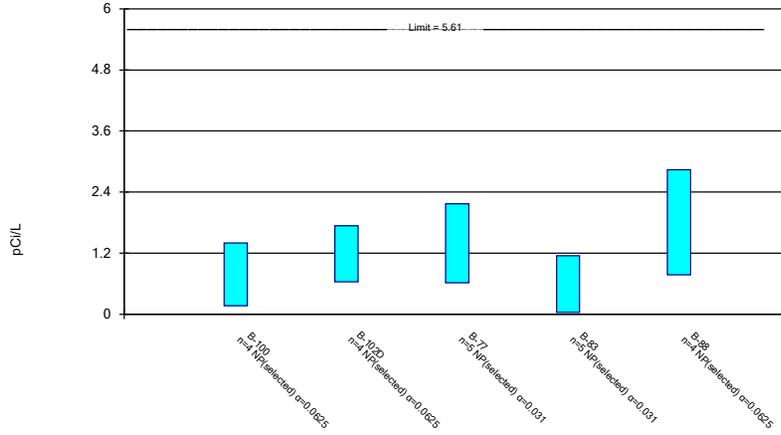


Normality testing disabled.

Constituent: Cobalt Analysis Run 11/8/2021 2:29 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.

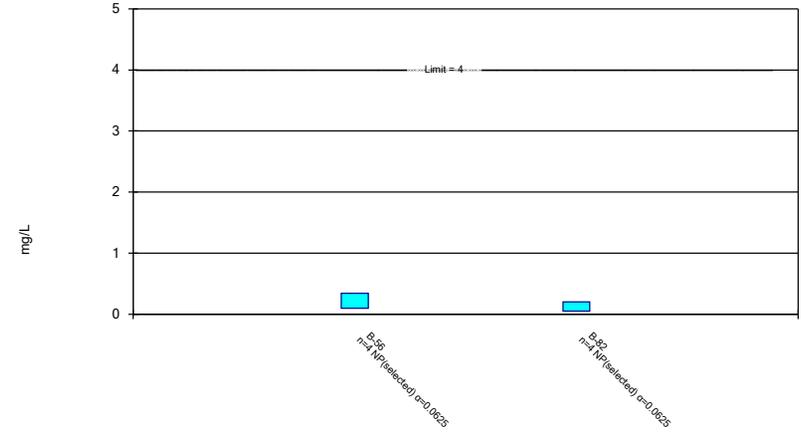


Normality testing disabled.

Constituent: Combined Radium 226 + 228 Analysis Run 11/8/2021 2:29 PM View: AP 234 Confidence Int
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.

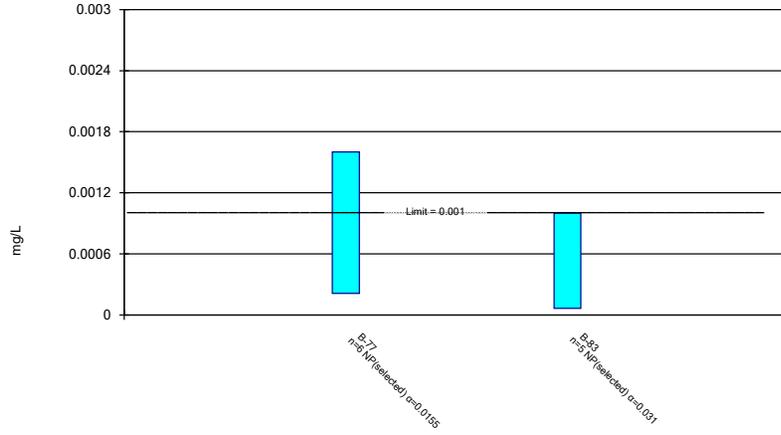


Normality testing disabled.

Constituent: Fluoride, total Analysis Run 11/8/2021 2:29 PM View: AP 234 Confidence Intervals Nonpara
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.

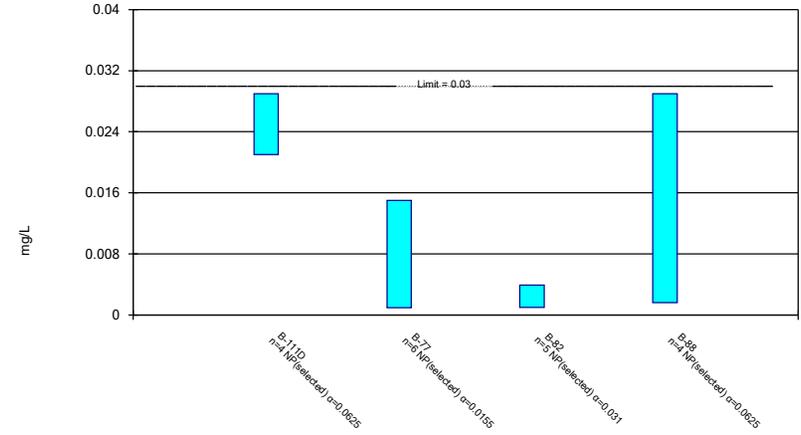


Normality testing disabled.

Constituent: Lead Analysis Run 11/8/2021 2:29 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.

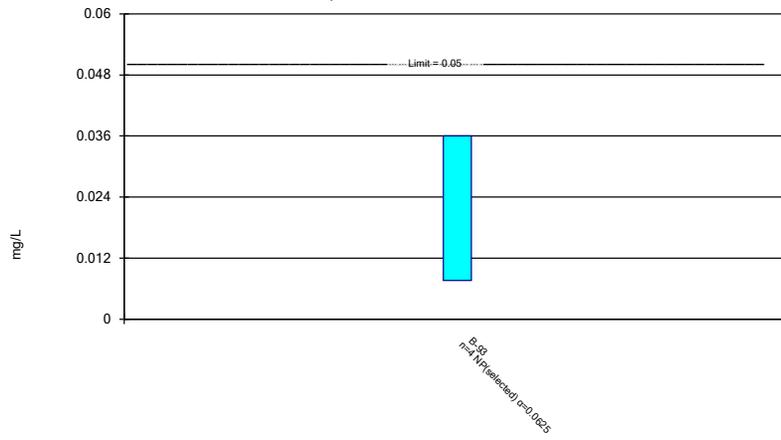


Normality testing disabled.

Constituent: Lithium Analysis Run 11/8/2021 2:29 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: Selenium Analysis Run 11/8/2021 2:29 PM View: AP 234 Confidence Intervals Nonparametri
Plant McDonough Client: Southern Company Data: McDonough AP

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

	B-100
8/17/2020	0.015
9/25/2020	0.022
3/8/2021	0.022
9/13/2021	0.021
Mean	0.02
Std. Dev.	0.003367
Upper Lim.	0.022
Lower Lim.	0.015

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

	B-88	B-97
2/17/2020		<0.003
2/27/2020		0.0019 (J)
8/17/2020	0.0014 (J)	
9/25/2020	0.00063 (J)	
3/5/2021	0.005	
3/9/2021		0.0019
9/13/2021	0.001	
9/15/2021		0.0016
Mean	0.002008	0.001725
Std. Dev.	0.00202	0.0002062
Upper Lim.	0.005	0.0019
Lower Lim.	0.00063	0.0015

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

	B-83
10/21/2019	0.0017 (J)
8/14/2020	0.005 (J)
9/25/2020	0.0051 (J)
3/4/2021	0.0049 (J)
9/16/2021	0.003 (J)
Mean	0.00394
Std. Dev.	0.001524
Upper Lim.	0.0051
Lower Lim.	0.0017

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

	B-100	B-77	B-83	B-88
9/18/2019		0.0031 (J)		
10/21/2019			0.018	
10/24/2019		0.0021 (J)		
11/22/2019				0.018 (J)
7/23/2020	0.086			
8/3/2020	0.087			
8/13/2020		0.0011 (J)		
8/14/2020			0.021	
8/17/2020	0.077			0.0031 (J)
9/24/2020		0.0004 (J)		
9/25/2020	0.034		0.0073	0.0015 (J)
3/4/2021		0.0017 (J)	0.0099	
3/5/2021				0.022
3/8/2021	0.029			
9/13/2021	0.035			0.0018 (J)
9/14/2021		<0.005		
9/16/2021			0.011	
Mean	0.058	0.001817	0.01344	0.00928
Std. Dev.	0.02804	0.0009725	0.005791	0.009906
Upper Lim.	0.087	0.0031	0.021	0.022
Lower Lim.	0.029	0.0004	0.0073	0.0015

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals Nonparametric

Plant McDonough Client: Southern Company Data: McDonough AP

	B-100	B-102D	B-77	B-83	B-88
10/21/2019				0.792 (U)	
10/24/2019			1.87		
8/13/2020			2.17		
8/14/2020				0.95 (U)	
8/17/2020	1.4 (U)				2.47
9/24/2020			0.761 (U)		
9/25/2020	0.799 (U)			0.0359 (U)	0.925 (U)
12/17/2020		1.22 (U)			
1/11/2021		0.635 (U)			
3/4/2021		0.789 (U)	2.16	1.15 (U)	
3/5/2021					2.84
3/8/2021	0.168 (U)				
9/10/2021		1.74			
9/13/2021	0.774 (U)				0.771 (U)
9/14/2021			0.617 (U)		
9/16/2021				0.442 (U)	
Mean	0.7853	1.096	1.516	0.674	1.752
Std. Dev.	0.5031	0.4956	0.7658	0.4409	1.056
Upper Lim.	1.4	1.74	2.17	1.15	2.84
Lower Lim.	0.168	0.635	0.617	0.0359	0.771

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals Nonparametric

Plant McDonough Client: Southern Company Data: McDonough AP

	B-56	B-82
10/21/2019		0.2 (J)
8/17/2020	0.19	<0.1
9/28/2020	0.098 (J)	<0.1
3/3/2021	0.34	
9/13/2021	0.2	
9/14/2021		0.052 (J)
Mean	0.207	0.113
Std. Dev.	0.09985	0.06226
Upper Lim.	0.34	0.2
Lower Lim.	0.098	0.052

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals Nonparametric

Plant McDonough Client: Southern Company Data: McDonough AP

	B-77	B-83
9/18/2019	0.00032 (J)	
10/21/2019		0.00012 (J)
10/24/2019	<0.001	
8/13/2020	0.0016 (J)	
8/14/2020		0.00092 (J)
9/24/2020	0.00021 (J)	
9/25/2020		6.5E-05 (J)
3/4/2021	0.00029 (J)	0.00017 (J)
9/14/2021	<0.001	
9/16/2021		<0.001
Mean	0.0007367	0.000455
Std. Dev.	0.000554	0.0004634
Upper Lim.	0.0016	0.001
Lower Lim.	0.00021	6.5E-05

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

	B-111D	B-77	B-82	B-88
9/18/2019		0.0047 (J)		
9/23/2019			0.0039 (J)	
10/21/2019			0.0036 (J)	
10/24/2019		0.0036 (J)		
8/13/2020		0.0018 (J)		
8/17/2020			0.0016 (J)	0.006 (J)
9/24/2020		0.00095 (J)		
9/25/2020				0.0016 (J)
9/28/2020			0.001 (J)	
12/9/2020	0.021 (J)			
1/12/2021	0.021 (J)			
3/4/2021		0.0011 (J)		
3/5/2021	0.028 (J)			0.029 (J)
9/13/2021				0.0017 (J)
9/14/2021	0.029 (J)	<0.03	0.001 (J)	
Mean	0.02475	0.004525	0.00222	0.009575
Std. Dev.	0.004349	0.005339	0.001422	0.01311
Upper Lim.	0.029	0.015	0.0039	0.029
Lower Lim.	0.021	0.00095	0.001	0.0016

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

	B-93
8/19/2020	0.018
9/28/2020	0.036
3/9/2021	0.0099 (J)
9/15/2021	0.0076
Mean	0.01788
Std. Dev.	0.01288
Upper Lim.	0.036
Lower Lim.	0.0076

FIGURE K.

Appendix IV Trend Tests - Significant Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 3:01 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Beryllium (mg/L)	DGWA-70A (bg)	-0.0006733	-54	-53	Yes	15	53.33	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWC-47	-0.001263	-55	-53	Yes	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWA-53 (bg)	-0.005485	-77	-53	Yes	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-10	-0.02424	-58	-48	Yes	14	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-47	-0.05383	-76	-53	Yes	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-48	-0.04534	-87	-53	Yes	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-8	-0.01234	-55	-48	Yes	14	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-9	0.02407	66	53	Yes	15	0	n/a	n/a	0.01	NP
Lithium (mg/L)	DGWC-47	-0.006577	-65	-53	Yes	15	0	n/a	n/a	0.01	NP
Lithium (mg/L)	DGWC-48	-0.008187	-75	-53	Yes	15	0	n/a	n/a	0.01	NP

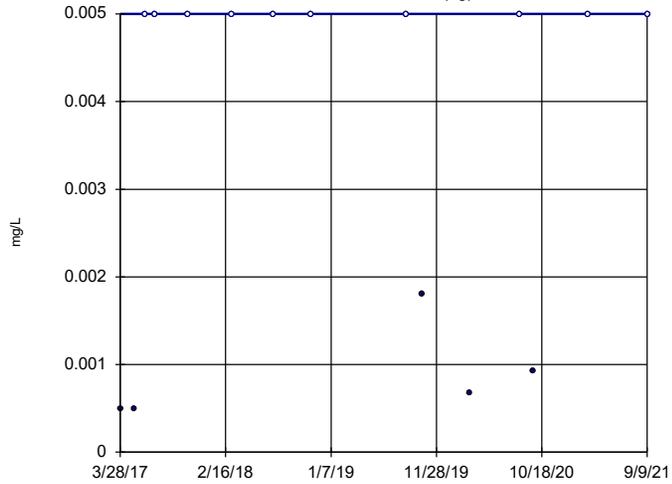
Appendix IV Trend Tests - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 3:01 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Arsenic (mg/L)	DGWA-53 (bg)	0	11	53	No	15	66.67	n/a	n/a	0.01	NP
Arsenic (mg/L)	DGWA-70A (bg)	0	-4	-53	No	15	93.33	n/a	n/a	0.01	NP
Arsenic (mg/L)	DGWA-71 (bg)	0	9	48	No	14	85.71	n/a	n/a	0.01	NP
Arsenic (mg/L)	DGWC-9	0.001503	18	53	No	15	6.667	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWA-53 (bg)	0	0	53	No	15	100	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWA-70A (bg)	-0.0006733	-54	-53	Yes	15	53.33	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWA-71 (bg)	-0.00002022	-33	-53	No	15	33.33	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWC-10	0.0006483	25	48	No	14	0	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWC-47	-0.001263	-55	-53	Yes	15	0	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWC-48	-0.0004177	-53	-53	No	15	0	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWC-5	0.0004286	25	48	No	14	0	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWC-9	0.0001134	20	53	No	15	0	n/a	n/a	0.01	NP
Beryllium (mg/L)	B-93	0.00406	5	12	No	5	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWA-53 (bg)	-0.005485	-77	-53	Yes	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWA-70A (bg)	0	-1	-53	No	15	46.67	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWA-71 (bg)	0	17	48	No	14	64.29	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-10	-0.02424	-58	-48	Yes	14	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-19	-0.0006109	-25	-53	No	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-20	0.02101	20	53	No	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-47	-0.05383	-76	-53	Yes	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-48	-0.04534	-87	-53	Yes	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-8	-0.01234	-55	-48	Yes	14	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-9	0.02407	66	53	Yes	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	B-56	0.004935	3	8	No	4	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	B-63	-0.004021	-5	-12	No	5	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	B-93	-0.003331	-6	-12	No	5	0	n/a	n/a	0.01	NP
Combined Radium 226 + 228 (pCi/L)	DGWA-53 (bg)	-0.6866	-53	-53	No	15	0	n/a	n/a	0.01	NP
Combined Radium 226 + 228 (pCi/L)	DGWA-70A (bg)	0.004235	0	58	No	16	0	n/a	n/a	0.01	NP
Combined Radium 226 + 228 (pCi/L)	DGWA-71 (bg)	0	0	53	No	15	0	n/a	n/a	0.01	NP
Combined Radium 226 + 228 (pCi/L)	B-104D	-8.273	-4	-8	No	4	0	n/a	n/a	0.01	NP
Lithium (mg/L)	DGWA-53 (bg)	-0.0001578	-13	-53	No	15	6.667	n/a	n/a	0.01	NP
Lithium (mg/L)	DGWA-70A (bg)	0	15	53	No	15	80	n/a	n/a	0.01	NP
Lithium (mg/L)	DGWA-71 (bg)	-0.0001648	-41	-48	No	14	21.43	n/a	n/a	0.01	NP
Lithium (mg/L)	DGWC-47	-0.006577	-65	-53	Yes	15	0	n/a	n/a	0.01	NP
Lithium (mg/L)	DGWC-48	-0.008187	-75	-53	Yes	15	0	n/a	n/a	0.01	NP
Lithium (mg/L)	B-104D	-0.004109	-5	-8	No	4	0	n/a	n/a	0.01	NP
Selenium (mg/L)	DGWA-53 (bg)	0	0	53	No	15	100	n/a	n/a	0.01	NP
Selenium (mg/L)	DGWA-70A (bg)	0	0	53	No	15	100	n/a	n/a	0.01	NP
Selenium (mg/L)	DGWA-71 (bg)	0	0	48	No	14	100	n/a	n/a	0.01	NP
Selenium (mg/L)	DGWC-9	0.006758	19	53	No	15	0	n/a	n/a	0.01	NP

Sen's Slope Estimator

DGWA-53 (bg)

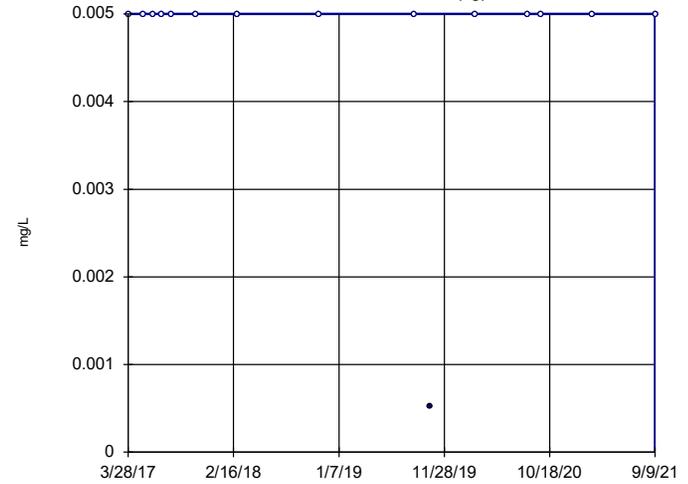


n = 15
Slope = 0
units per year.
Mann-Kendall
statistic = 11
critical = 53
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Arsenic Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWA-70A (bg)

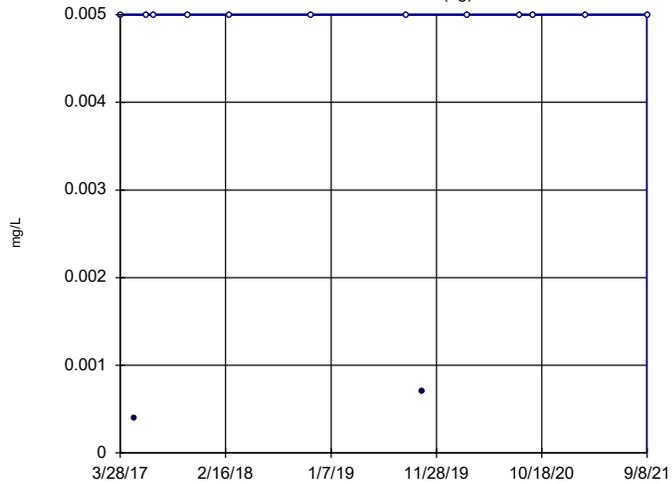


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Slope = 0
units per year.
Mann-Kendall
statistic = -4
critical = -53
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Arsenic Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWA-71 (bg)

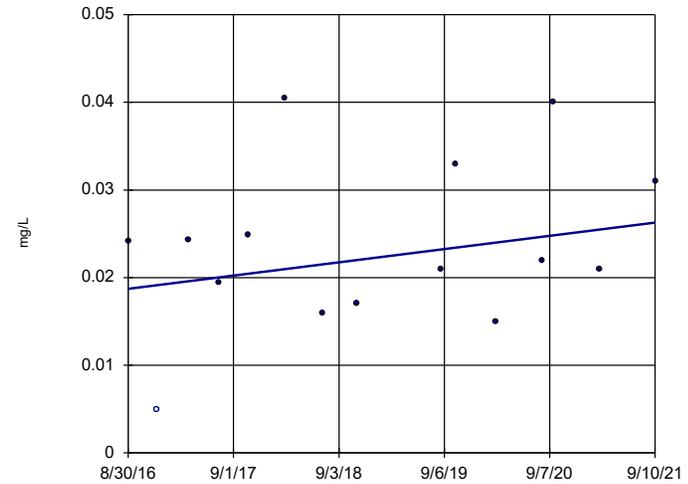


n = 14
Slope = 0
units per year.
Mann-Kendall
statistic = 9
critical = 48
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Arsenic Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

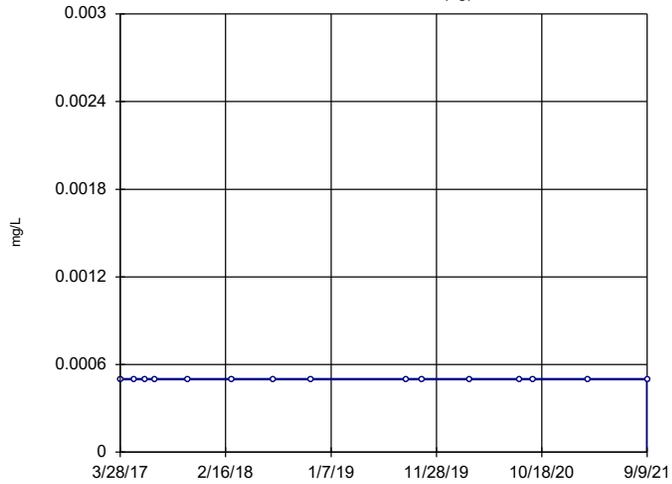
DGWC-9



n = 15
Slope = 0.001503
units per year.
Mann-Kendall
statistic = 18
critical = 53
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

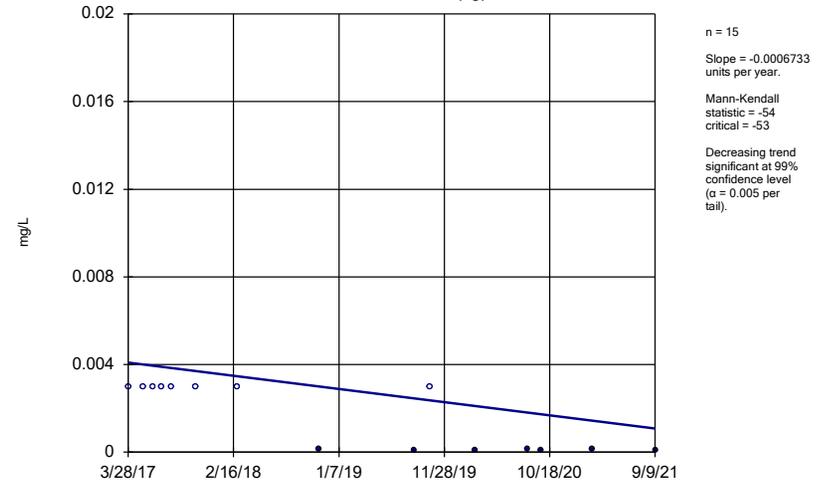
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWA-53 (bg)



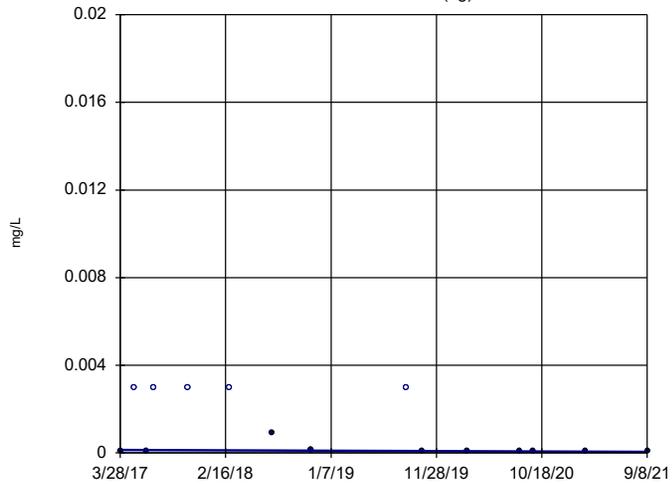
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWA-70A (bg)



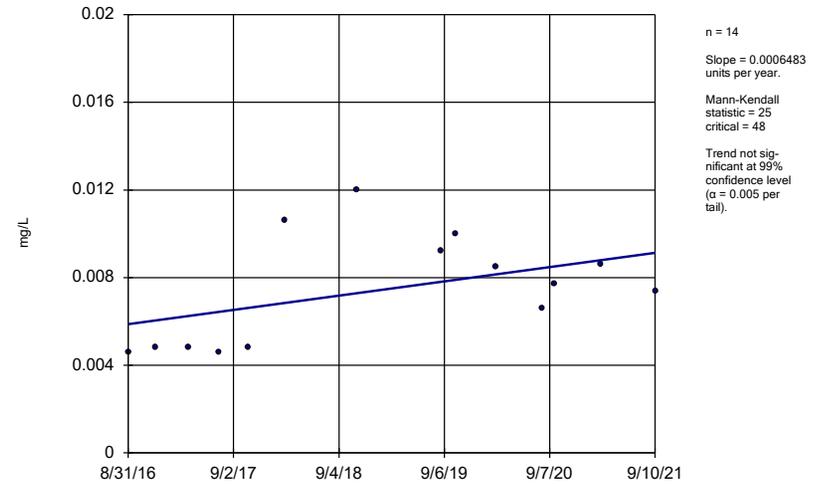
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWA-71 (bg)



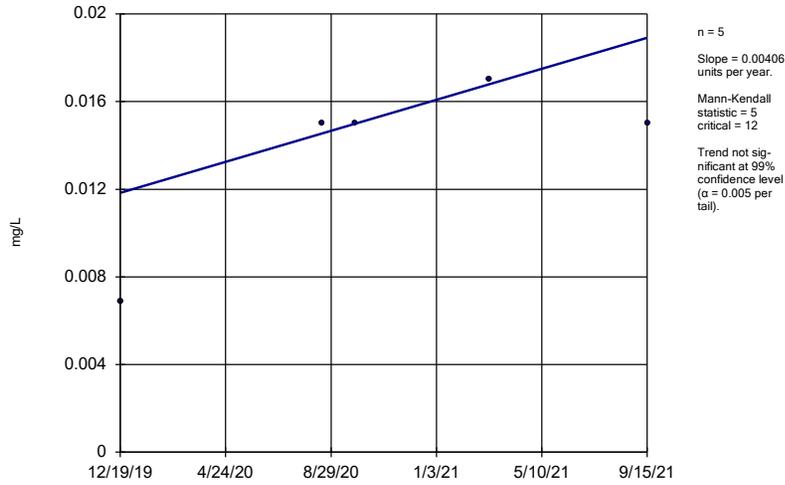
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-10



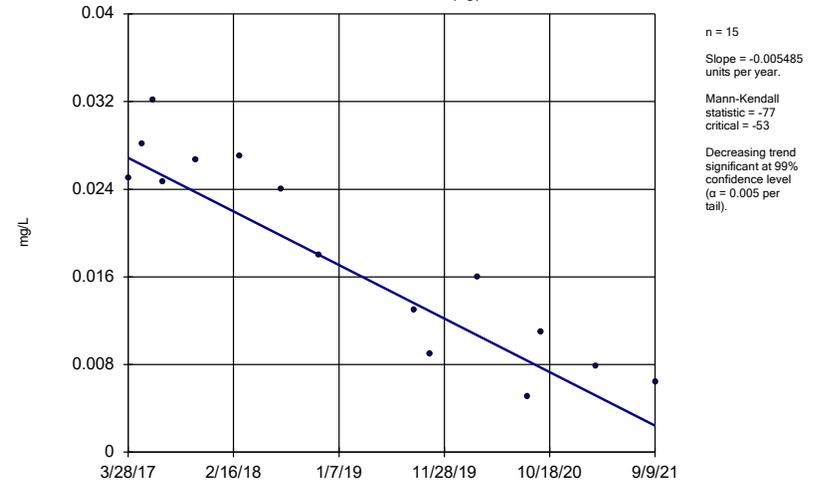
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
B-93



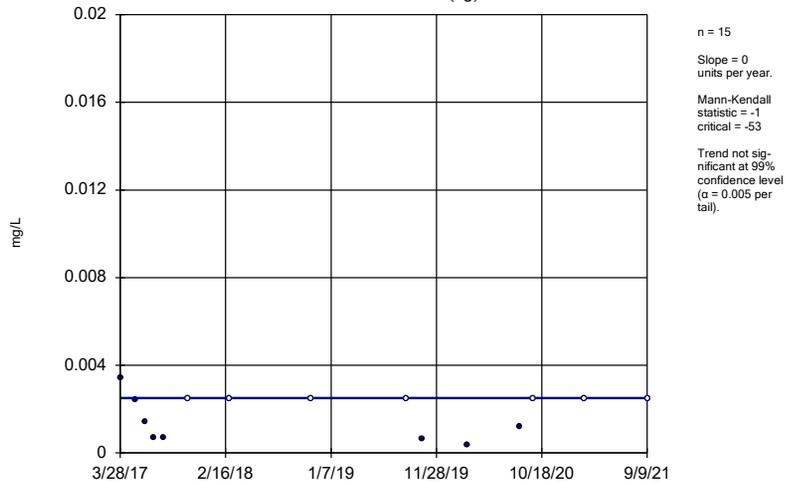
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWA-53 (bg)



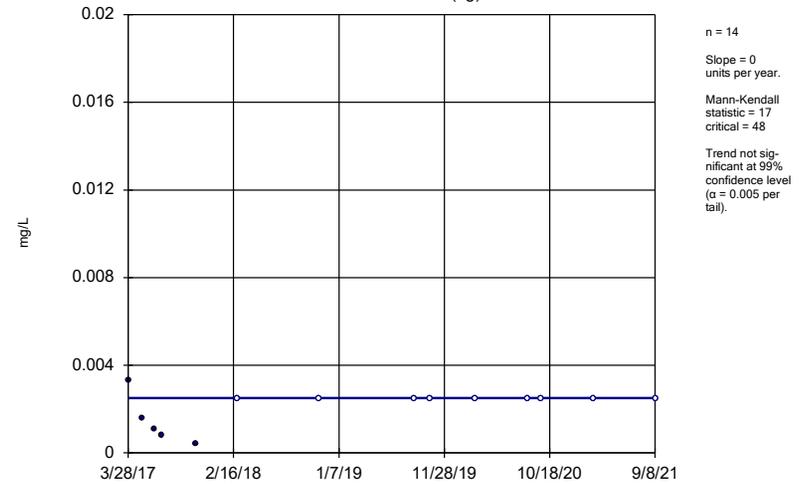
Constituent: Cobalt Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWA-70A (bg)



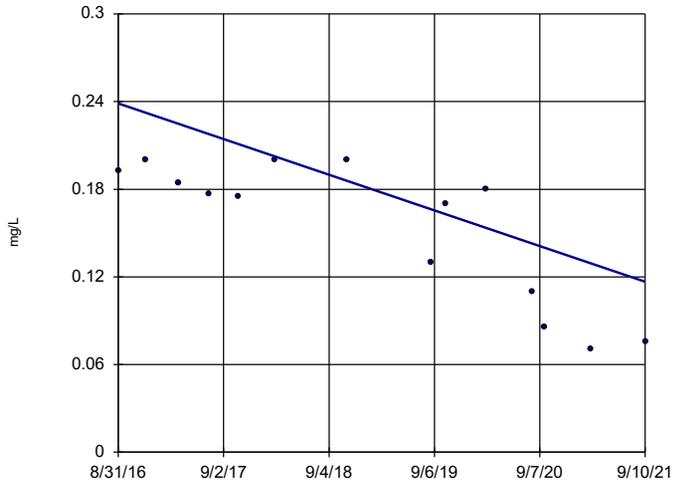
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWA-71 (bg)



Constituent: Cobalt Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

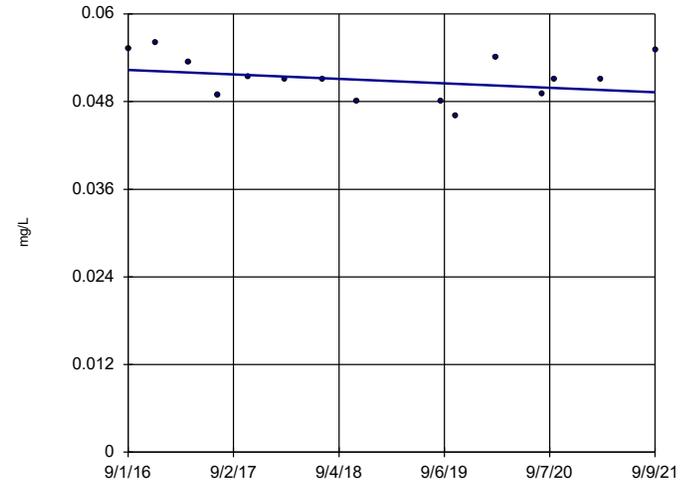
Sen's Slope Estimator
DGWC-10



n = 14
Slope = -0.02424
units per year.
Mann-Kendall
statistic = -58
critical = -48
Decreasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Cobalt Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

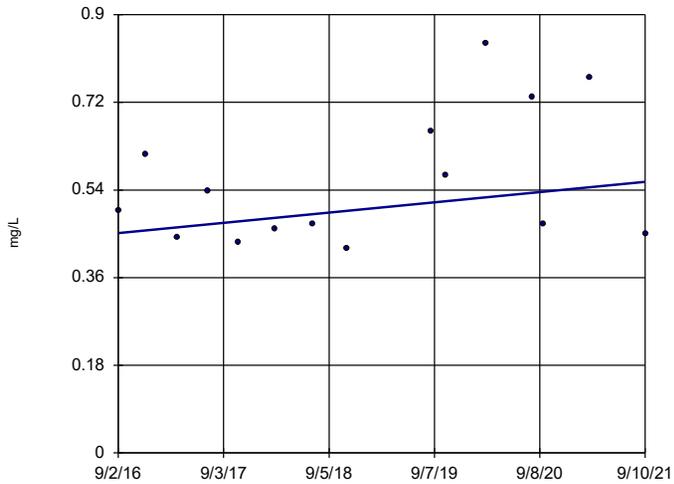
Sen's Slope Estimator
DGWC-19



n = 15
Slope = -0.0006109
units per year.
Mann-Kendall
statistic = -25
critical = -53
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Cobalt Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

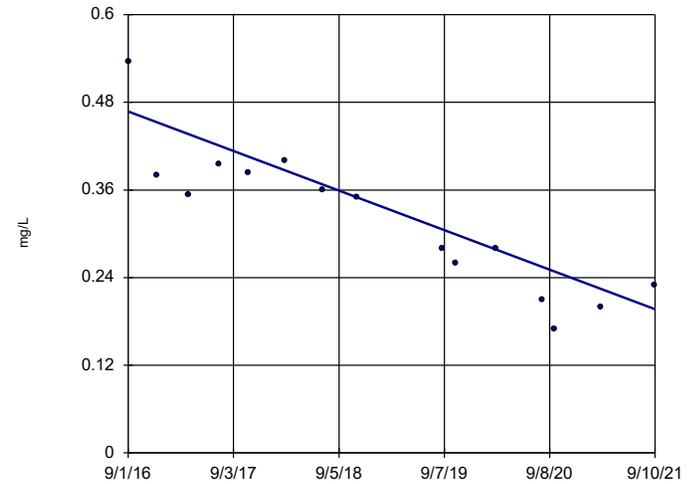
Sen's Slope Estimator
DGWC-20



n = 15
Slope = 0.02101
units per year.
Mann-Kendall
statistic = 20
critical = 53
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Cobalt Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

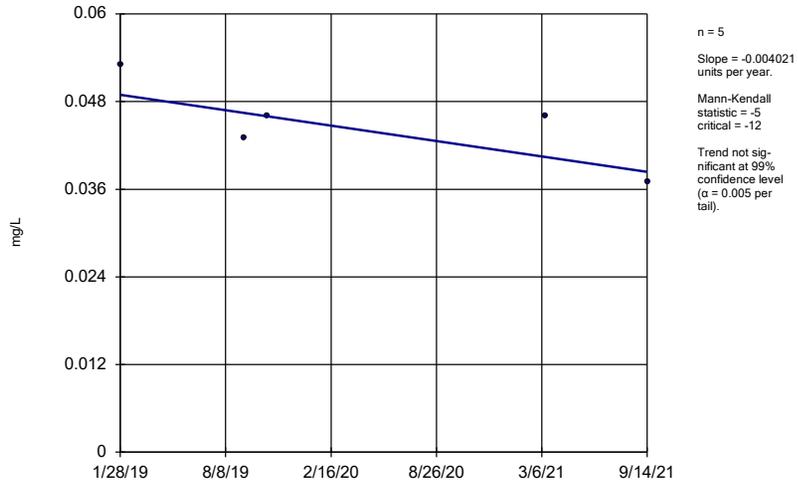
Sen's Slope Estimator
DGWC-47



n = 15
Slope = -0.05383
units per year.
Mann-Kendall
statistic = -76
critical = -53
Decreasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

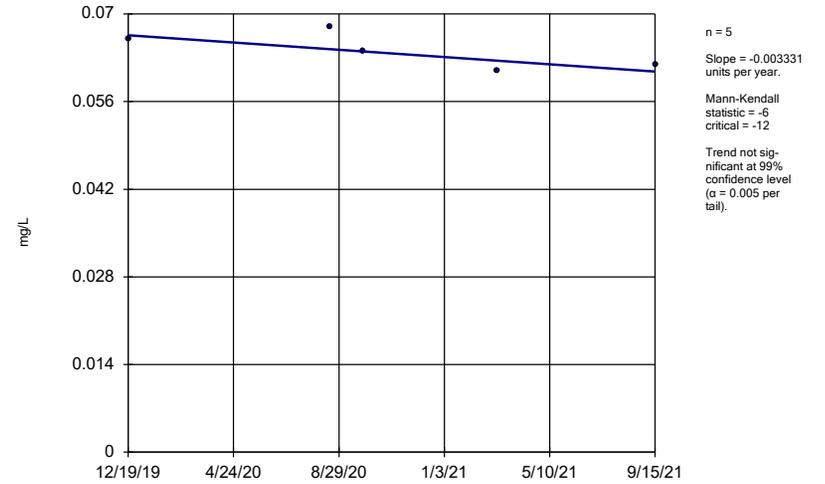
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
B-63



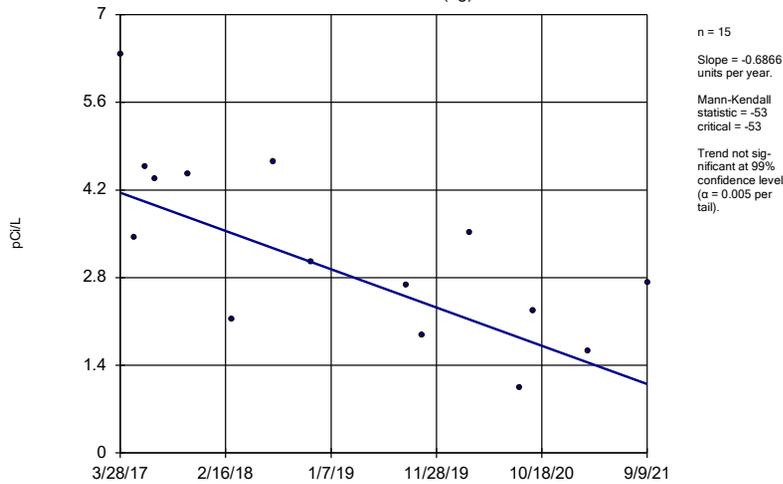
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
B-93



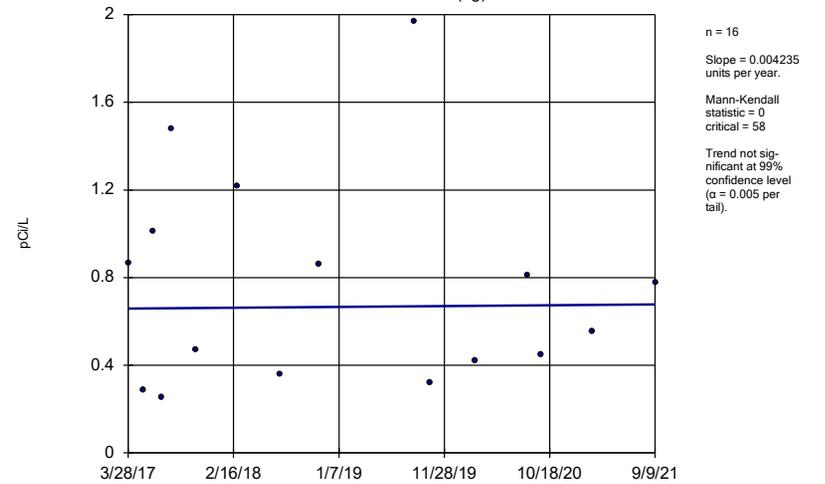
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWA-53 (bg)



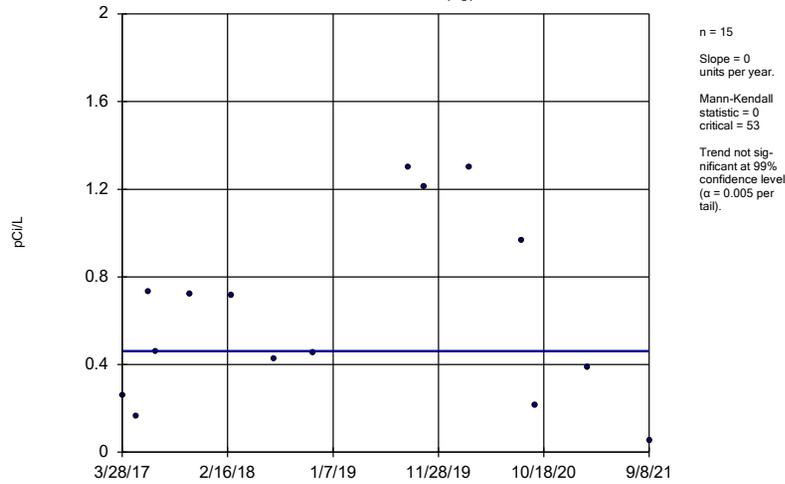
Constituent: Combined Radium 226 + 228 Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Tr
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWA-70A (bg)



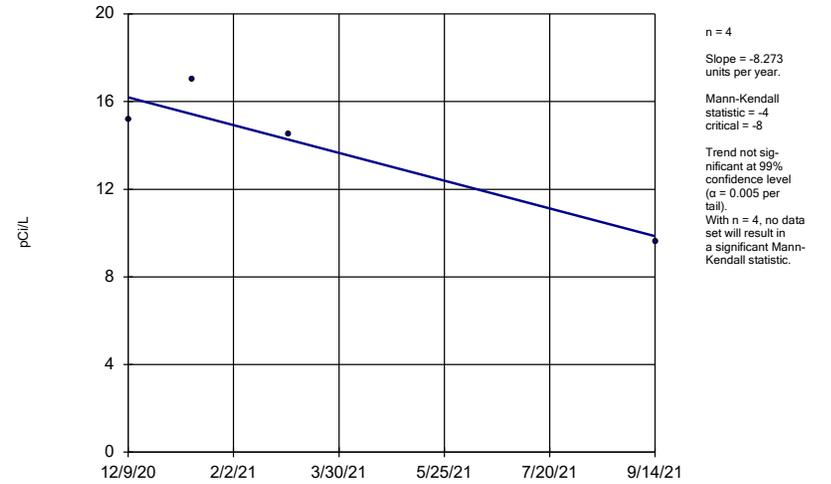
Constituent: Combined Radium 226 + 228 Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Tr
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator DGWA-71 (bg)



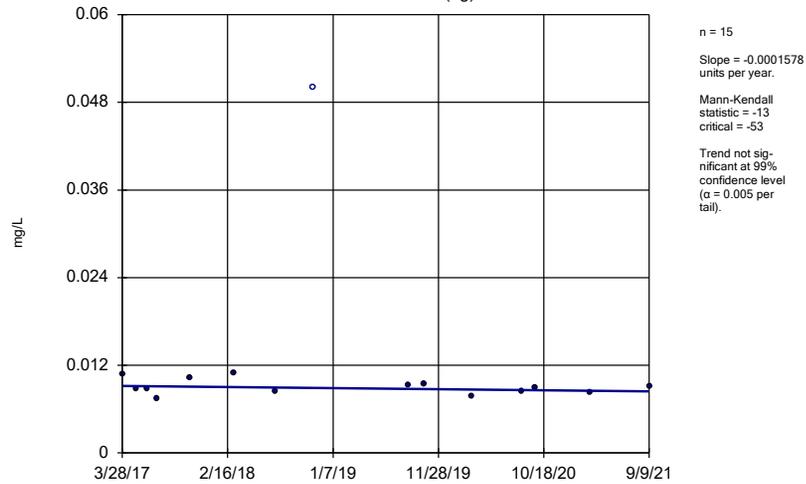
Constituent: Combined Radium 226 + 228 Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Tr
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator B-104D



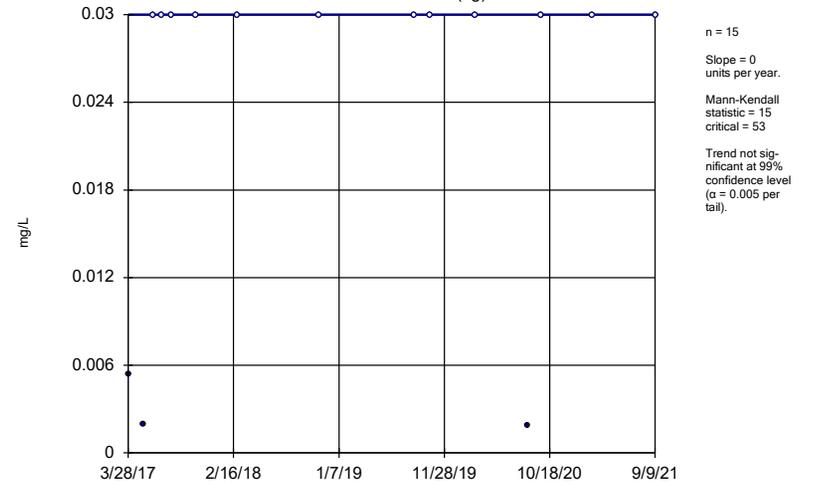
Constituent: Combined Radium 226 + 228 Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Tr
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator DGWA-53 (bg)



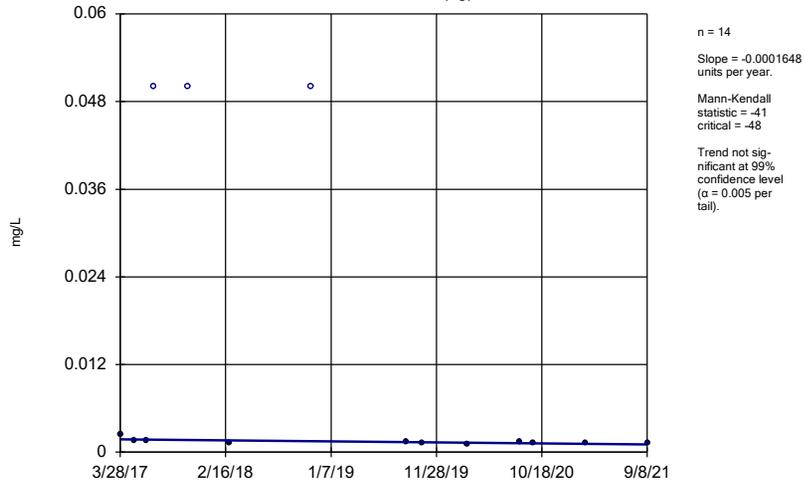
Constituent: Lithium Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator DGWA-70A (bg)



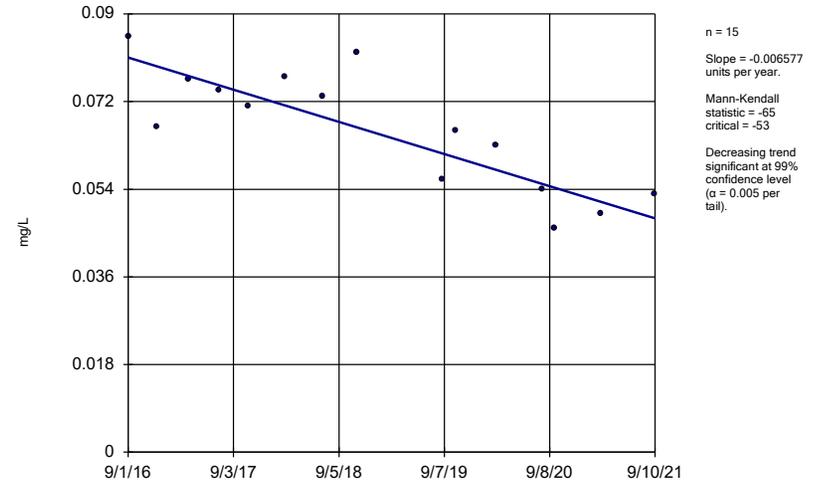
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWA-71 (bg)



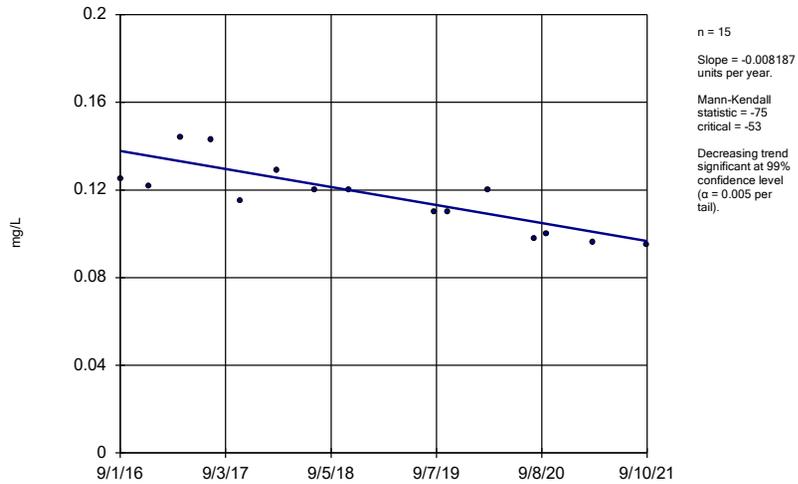
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-47



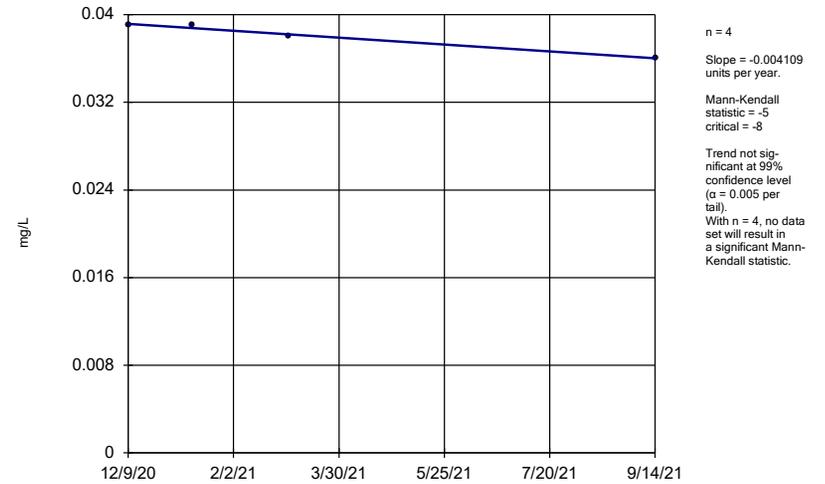
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-48

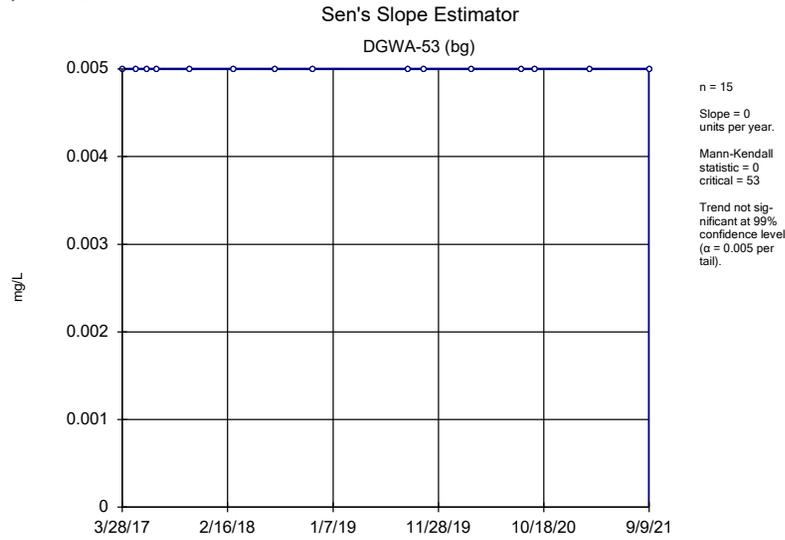


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Plant McDonough Client: Southern Company Data: McDonough AP

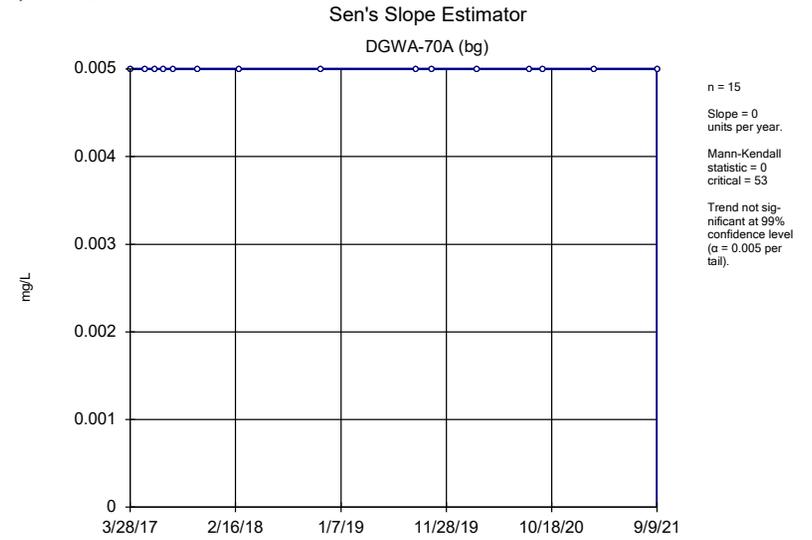
Sen's Slope Estimator
B-104D



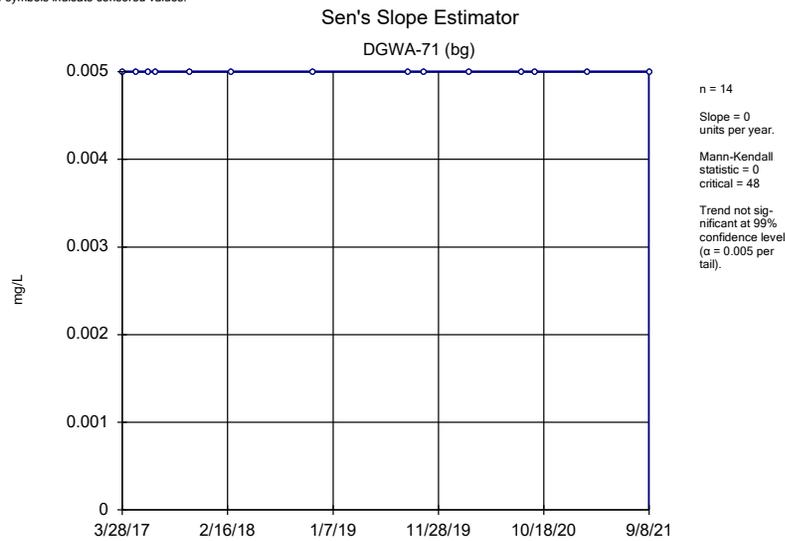
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Plant McDonough Client: Southern Company Data: McDonough AP



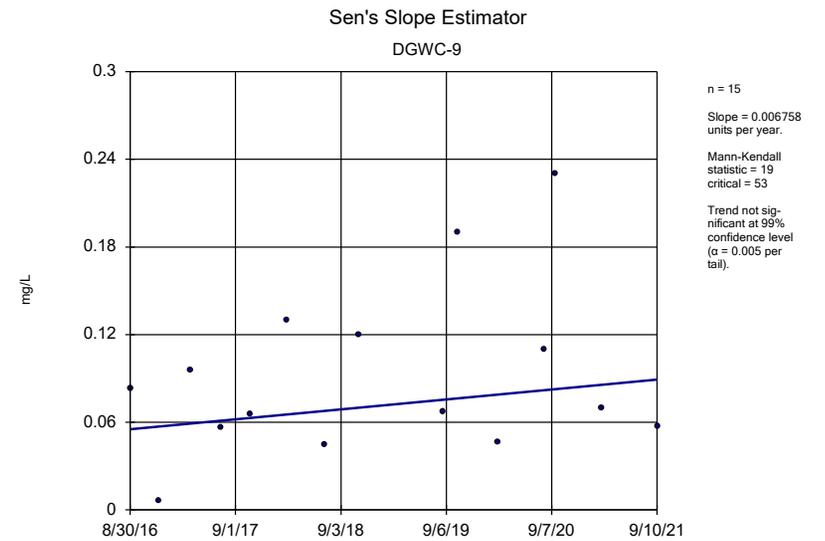
Constituent: Selenium Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP



Constituent: Selenium Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP



Constituent: Selenium Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP



Constituent: Selenium Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

100% Non-Detects: Appendix IV Downgradient & Delineation Wells

Analysis Run 11/8/2021 1:50 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Antimony (mg/L)

DGWC-10, DGWC-11, DGWC-13, DGWC-20, DGWC-22, DGWC-42, DGWC-9, B-107D, B-108D, B-115D, B-56, B-66, B-82, B-83, B-88, B-92, B-97, B-98

Arsenic (mg/L)

DGWC-11, DGWC-13, DGWC-21, DGWC-23, B-100, B-102D, B-106D, B-107D, B-108D, B-109D, B-120D, B-62, B-63, B-66, B-82, B-83, B-88, B-97, B-98

Beryllium (mg/L)

DGWC-14, DGWC-2, B-108D, B-111D, B-66

Cadmium (mg/L)

DGWC-14, B-101D, B-104D, B-107D, B-108D, B-109D, B-111D, B-62, B-66, B-77

Chromium (mg/L)

DGWC-14, B-102D, B-106D, B-107D, B-108D, B-111D, B-115D, B-120D, B-66, B-92, B-97, B-98

Cobalt (mg/L)

DGWC-14, B-109D

Fluoride, total (mg/L)

B-100, B-107D, B-108D, B-120D, B-88

Lead (mg/L)

DGWC-22, B-106D, B-108D, B-109D, B-62, B-66, B-92, B-97, B-98

Lithium (mg/L)

B-66

Mercury (mg/L)

DGWC-47, B-102D, B-106D, B-109D, B-115D, B-120D, B-62, B-63, B-66, B-77, B-83, B-97, B-98

Molybdenum (mg/L)

DGWC-10, DGWC-11, DGWC-12, DGWC-14, DGWC-15, DGWC-17, DGWC-19, DGWC-20, DGWC-21, DGWC-22, DGWC-42, DGWC-47, DGWC-48, DGWC-5, DGWC-8, DGWC-9, B-100, B-102D, B-106D, B-107D, B-108D, B-115D, B-56, B-62, B-63, B-77, B-82, B-83, B-92, B-93, B-97, B-98

Selenium (mg/L)

DGWC-11, DGWC-21, DGWC-23, DGWC-42, B-102D, B-106D, B-107D, B-109D, B-62, B-63, B-66

Thallium (mg/L)

DGWC-11, DGWC-13, DGWC-14, DGWC-15, DGWC-2, DGWC-21, DGWC-23, B-100, B-101D, B-102D, B-104D, B-106D, B-107D, B-108D, B-109D, B-111D, B-115D, B-120D, B-62, B-63, B-66, B-77, B-92, B-93, B-97, B-98

Appendix III Interwell Prediction Limits - Significant Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 1:20 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	DGWC-10	0.13	n/a	9/10/2021	0.24	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-11	0.13	n/a	9/9/2021	1.5	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-12	0.13	n/a	9/9/2021	2	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-13	0.13	n/a	9/9/2021	0.62	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-15	0.13	n/a	9/9/2021	1.6	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-17	0.13	n/a	9/13/2021	0.78	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-19	0.13	n/a	9/9/2021	2.7	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-2	0.13	n/a	9/9/2021	0.51	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-20	0.13	n/a	9/10/2021	4.8	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-21	0.13	n/a	9/9/2021	5.8	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-22	0.13	n/a	9/10/2021	4.5	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-23	0.13	n/a	9/9/2021	4.7	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-4	0.13	n/a	9/10/2021	5	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-42	0.13	n/a	9/13/2021	0.95	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-47	0.13	n/a	9/10/2021	0.16	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-48	0.13	n/a	9/10/2021	0.55	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-5	0.13	n/a	9/10/2021	4.7	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-8	0.13	n/a	9/13/2021	0.86	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-9	0.13	n/a	9/10/2021	0.54	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-10	40.3	n/a	9/10/2021	82.4	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-11	40.3	n/a	9/9/2021	66.8	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-19	40.3	n/a	9/9/2021	93.6	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-2	40.3	n/a	9/9/2021	42	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-20	40.3	n/a	9/10/2021	69.8	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-21	40.3	n/a	9/9/2021	75.3	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-22	40.3	n/a	9/10/2021	62.3	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-23	40.3	n/a	9/9/2021	76.4	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-4	40.3	n/a	9/10/2021	285	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-48	40.3	n/a	9/10/2021	68.7	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-5	40.3	n/a	9/10/2021	123	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-9	40.3	n/a	9/10/2021	47.7	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	DGWC-10	5.07	n/a	9/10/2021	8.2	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-11	5.07	n/a	9/9/2021	13.6	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-12	5.07	n/a	9/9/2021	8.5	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-13	5.07	n/a	9/9/2021	12.9	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-15	5.07	n/a	9/9/2021	21.9	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-17	5.07	n/a	9/13/2021	18.2	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-19	5.07	n/a	9/9/2021	25.4	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-20	5.07	n/a	9/10/2021	26.2	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-21	5.07	n/a	9/9/2021	20.2	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-22	5.07	n/a	9/10/2021	17.3	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-23	5.07	n/a	9/9/2021	12.3	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-4	5.07	n/a	9/10/2021	13.9	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-42	5.07	n/a	9/13/2021	17.1	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-48	5.07	n/a	9/10/2021	10.9	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-5	5.07	n/a	9/10/2021	9.9	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-8	5.07	n/a	9/13/2021	8.2	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-9	5.07	n/a	9/10/2021	9	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Fluoride, total (mg/L)	DGWC-10	0.42	n/a	9/10/2021	2.2	Yes	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-48	0.42	n/a	9/10/2021	0.47	Yes	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-9	0.42	n/a	9/10/2021	2	Yes	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
pH, Field (SU)	DGWC-10	6.646	5.155	9/10/2021	5.05	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-17	6.646	5.155	9/13/2021	5.06	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-19	6.646	5.155	9/9/2021	4.82	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2

Appendix III Interwell Prediction Limits - Significant Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 1:20 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH, Field (SU)	DGWC-20	6.646	5.155	9/10/2021	4.67	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-42	6.646	5.155	9/13/2021	5.15	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-47	6.646	5.155	9/10/2021	4.1	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-48	6.646	5.155	9/10/2021	4.3	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-5	6.646	5.155	9/10/2021	4.89	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-8	6.646	5.155	9/13/2021	5.05	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-9	6.646	5.155	9/10/2021	3.98	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-10	33.32	n/a	9/10/2021	271	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-11	33.32	n/a	9/9/2021	247	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-12	33.32	n/a	9/9/2021	126	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-13	33.32	n/a	9/9/2021	127	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-14	33.32	n/a	9/9/2021	42.3	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-15	33.32	n/a	9/9/2021	139	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-17	33.32	n/a	9/13/2021	222	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-19	33.32	n/a	9/9/2021	315	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-2	33.32	n/a	9/9/2021	110	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-20	33.32	n/a	9/10/2021	399	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-21	33.32	n/a	9/9/2021	238	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-22	33.32	n/a	9/10/2021	234	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-23	33.32	n/a	9/9/2021	217	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-4	33.32	n/a	9/10/2021	823	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-42	33.32	n/a	9/13/2021	285	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-47	33.32	n/a	9/10/2021	123	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-48	33.32	n/a	9/10/2021	272	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-5	33.32	n/a	9/10/2021	449	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-8	33.32	n/a	9/13/2021	145	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-9	33.32	n/a	9/10/2021	264	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-10	299.2	n/a	9/10/2021	474	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-11	299.2	n/a	9/9/2021	433	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-17	299.2	n/a	9/13/2021	424	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-19	299.2	n/a	9/9/2021	480	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-20	299.2	n/a	9/10/2021	678	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-21	299.2	n/a	9/9/2021	396	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-22	299.2	n/a	9/10/2021	468	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-23	299.2	n/a	9/9/2021	455	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-4	299.2	n/a	9/10/2021	1520	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-42	299.2	n/a	9/13/2021	508	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-48	299.2	n/a	9/10/2021	532	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-5	299.2	n/a	9/10/2021	792	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-8	299.2	n/a	9/13/2021	306	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-9	299.2	n/a	9/10/2021	466	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 1:20 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	DGWC-10	0.13	n/a	9/10/2021	0.24	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-11	0.13	n/a	9/9/2021	1.5	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-12	0.13	n/a	9/9/2021	2	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-13	0.13	n/a	9/9/2021	0.62	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-14	0.13	n/a	9/9/2021	0.08	No	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-15	0.13	n/a	9/9/2021	1.6	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-17	0.13	n/a	9/13/2021	0.78	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-19	0.13	n/a	9/9/2021	2.7	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-2	0.13	n/a	9/9/2021	0.51	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-20	0.13	n/a	9/10/2021	4.8	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-21	0.13	n/a	9/9/2021	5.8	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-22	0.13	n/a	9/10/2021	4.5	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-23	0.13	n/a	9/9/2021	4.7	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-4	0.13	n/a	9/10/2021	5	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-42	0.13	n/a	9/13/2021	0.95	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-47	0.13	n/a	9/10/2021	0.16	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-48	0.13	n/a	9/10/2021	0.55	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-5	0.13	n/a	9/10/2021	4.7	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-8	0.13	n/a	9/13/2021	0.86	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-9	0.13	n/a	9/10/2021	0.54	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-10	40.3	n/a	9/10/2021	82.4	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-11	40.3	n/a	9/9/2021	66.8	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-12	40.3	n/a	9/9/2021	29.2	No	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-13	40.3	n/a	9/9/2021	38.2	No	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-14	40.3	n/a	9/9/2021	11.1	No	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-15	40.3	n/a	9/9/2021	34.4	No	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-17	40.3	n/a	9/13/2021	15.8	No	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-19	40.3	n/a	9/9/2021	93.6	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-2	40.3	n/a	9/9/2021	42	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-20	40.3	n/a	9/10/2021	69.8	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-21	40.3	n/a	9/9/2021	75.3	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-22	40.3	n/a	9/10/2021	62.3	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-23	40.3	n/a	9/9/2021	76.4	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-4	40.3	n/a	9/10/2021	285	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-42	40.3	n/a	9/13/2021	38.9	No	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-47	40.3	n/a	9/10/2021	24.4	No	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-48	40.3	n/a	9/10/2021	68.7	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-5	40.3	n/a	9/10/2021	123	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-8	40.3	n/a	9/13/2021	36	No	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-9	40.3	n/a	9/10/2021	47.7	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	DGWC-10	5.07	n/a	9/10/2021	8.2	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-11	5.07	n/a	9/9/2021	13.6	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-12	5.07	n/a	9/9/2021	8.5	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-13	5.07	n/a	9/9/2021	12.9	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-14	5.07	n/a	9/9/2021	3.3	No	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-15	5.07	n/a	9/9/2021	21.9	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-17	5.07	n/a	9/13/2021	18.2	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-19	5.07	n/a	9/9/2021	25.4	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-2	5.07	n/a	9/9/2021	2.1	No	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-20	5.07	n/a	9/10/2021	26.2	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-21	5.07	n/a	9/9/2021	20.2	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-22	5.07	n/a	9/10/2021	17.3	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-23	5.07	n/a	9/9/2021	12.3	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-4	5.07	n/a	9/10/2021	13.9	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 1:20 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride, Total (mg/L)	DGWC-42	5.07	n/a	9/13/2021	17.1	Yes	43	0.9633	0.2952	0	None	In(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-47	5.07	n/a	9/10/2021	2.4	No	43	0.9633	0.2952	0	None	In(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-48	5.07	n/a	9/10/2021	10.9	Yes	43	0.9633	0.2952	0	None	In(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-5	5.07	n/a	9/10/2021	9.9	Yes	43	0.9633	0.2952	0	None	In(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-8	5.07	n/a	9/13/2021	8.2	Yes	43	0.9633	0.2952	0	None	In(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-9	5.07	n/a	9/10/2021	9	Yes	43	0.9633	0.2952	0	None	In(x)	0.0003762	Param Inter 1 of 2
Fluoride, total (mg/L)	DGWC-10	0.42	n/a	9/10/2021	2.2	Yes	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-11	0.42	n/a	9/9/2021	0.1ND	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-12	0.42	n/a	9/9/2021	0.099J	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-13	0.42	n/a	9/9/2021	0.083J	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-14	0.42	n/a	9/9/2021	0.1ND	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-15	0.42	n/a	9/9/2021	0.1ND	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-17	0.42	n/a	9/13/2021	0.063J	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-19	0.42	n/a	9/9/2021	0.18	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-2	0.42	n/a	9/9/2021	0.053J	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-20	0.42	n/a	9/10/2021	0.25	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-21	0.42	n/a	9/9/2021	0.1ND	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-22	0.42	n/a	9/10/2021	0.1ND	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-23	0.42	n/a	9/9/2021	0.084J	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-4	0.42	n/a	9/10/2021	0.1ND	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-42	0.42	n/a	9/13/2021	0.1ND	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-47	0.42	n/a	9/10/2021	0.22	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-48	0.42	n/a	9/10/2021	0.47	Yes	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-5	0.42	n/a	9/10/2021	0.16	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-8	0.42	n/a	9/13/2021	0.069J	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-9	0.42	n/a	9/10/2021	2	Yes	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
pH, Field (SU)	DGWC-10	6.646	5.155	9/10/2021	5.05	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-11	6.646	5.155	9/9/2021	5.59	No	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-12	6.646	5.155	9/9/2021	6.07	No	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-13	6.646	5.155	9/9/2021	5.69	No	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-14	6.646	5.155	9/9/2021	5.7	No	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-15	6.646	5.155	9/9/2021	5.83	No	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-17	6.646	5.155	9/13/2021	5.06	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-19	6.646	5.155	9/9/2021	4.82	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-2	6.646	5.155	9/9/2021	6	No	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-20	6.646	5.155	9/10/2021	4.67	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-21	6.646	5.155	9/9/2021	5.73	No	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-22	6.646	5.155	9/10/2021	5.65	No	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-23	6.646	5.155	9/9/2021	6	No	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-4	6.646	5.155	9/10/2021	5.83	No	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-42	6.646	5.155	9/13/2021	5.15	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-47	6.646	5.155	9/10/2021	4.1	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-48	6.646	5.155	9/10/2021	4.3	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-5	6.646	5.155	9/10/2021	4.89	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-8	6.646	5.155	9/13/2021	5.05	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-9	6.646	5.155	9/10/2021	3.98	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-10	33.32	n/a	9/10/2021	271	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-11	33.32	n/a	9/9/2021	247	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-12	33.32	n/a	9/9/2021	126	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-13	33.32	n/a	9/9/2021	127	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-14	33.32	n/a	9/9/2021	42.3	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-15	33.32	n/a	9/9/2021	139	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-17	33.32	n/a	9/13/2021	222	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-19	33.32	n/a	9/9/2021	315	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 1:20 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate as SO4 (mg/L)	DGWC-2	33.32	n/a	9/9/2021	110	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-20	33.32	n/a	9/10/2021	399	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-21	33.32	n/a	9/9/2021	238	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-22	33.32	n/a	9/10/2021	234	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-23	33.32	n/a	9/9/2021	217	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-4	33.32	n/a	9/10/2021	823	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-42	33.32	n/a	9/13/2021	285	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-47	33.32	n/a	9/10/2021	123	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-48	33.32	n/a	9/10/2021	272	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-5	33.32	n/a	9/10/2021	449	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-8	33.32	n/a	9/13/2021	145	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-9	33.32	n/a	9/10/2021	264	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-10	299.2	n/a	9/10/2021	474	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-11	299.2	n/a	9/9/2021	433	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-12	299.2	n/a	9/9/2021	275	No	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-13	299.2	n/a	9/9/2021	246	No	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-14	299.2	n/a	9/9/2021	99	No	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-15	299.2	n/a	9/9/2021	292	No	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-17	299.2	n/a	9/13/2021	424	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-19	299.2	n/a	9/9/2021	480	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-2	299.2	n/a	9/9/2021	260	No	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-20	299.2	n/a	9/10/2021	678	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-21	299.2	n/a	9/9/2021	396	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-22	299.2	n/a	9/10/2021	468	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-23	299.2	n/a	9/9/2021	455	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-4	299.2	n/a	9/10/2021	1520	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-42	299.2	n/a	9/13/2021	508	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-47	299.2	n/a	9/10/2021	274	No	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-48	299.2	n/a	9/10/2021	532	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-5	299.2	n/a	9/10/2021	792	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-8	299.2	n/a	9/13/2021	306	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-9	299.2	n/a	9/10/2021	466	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2

Appendix III Trend Tests - Significant Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 2/25/2022, 7:30 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron, total (mg/L)	DGWC-10	-0.7511	-62	-43	Yes	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-11	0.06556	62	43	Yes	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-12	-1.24	-63	-53	Yes	15	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-13	-0.08547	-49	-43	Yes	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-2	-0.263	-85	-48	Yes	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-20	-0.7252	-64	-48	Yes	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-4	0.3101	54	43	Yes	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-47	-0.0335	-76	-48	Yes	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-48	-0.07754	-68	-48	Yes	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-8	-0.4216	-69	-43	Yes	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-9	-0.2815	-80	-48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWA-53 (bg)	-4.533	-57	-48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-11	4.66	64	43	Yes	13	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-19	6.089	75	48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-2	-15.03	-87	-48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-4	21.16	50	43	Yes	13	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-48	-7.485	-73	-48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-5	8.05	50	43	Yes	13	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWA-53 (bg)	-0.1941	-59	-53	Yes	15	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-11	1.079	44	43	Yes	13	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-12	-0.7273	-55	-43	Yes	13	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-15	0.5787	57	48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-19	-3.305	-69	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-20	2.833	83	48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-21	-1.053	-62	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-22	-2.241	-68	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-23	-0.873	-72	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-4	-3.438	-85	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-42	-3.134	-79	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-48	-2.232	-67	-48	Yes	14	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	DGWC-48	-0.1917	-68	-58	Yes	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-19	0.05374	74	58	Yes	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-5	0.112	74	58	Yes	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-9	-0.02122	-75	-58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWA-70A (bg)	-0.2582	-50	-48	Yes	14	35.71	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWA-71 (bg)	-1.564	-72	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-12	-47.07	-54	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-15	-8.561	-57	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-19	17.24	60	48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-2	-59.83	-83	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-20	-51.63	-69	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-47	-58.21	-78	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-48	-56.15	-76	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-8	-72.96	-72	-43	Yes	13	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWA-53 (bg)	-26.59	-62	-48	Yes	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-11	32.36	53	43	Yes	13	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-19	29.77	52	48	Yes	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-20	-58.61	-69	-48	Yes	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-48	-61.71	-79	-48	Yes	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-5	38.2	54	43	Yes	13	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-8	-87.61	-70	-43	Yes	13	0	n/a	n/a	0.01	NP

Appendix III Trend Tests - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 2/25/2022, 7:30 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron, total (mg/L)	DGWA-53 (bg)	-0.002041	-16	-48	No	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWA-70A (bg)	0	14	48	No	14	57.14	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWA-71 (bg)	0	-2	-43	No	13	23.08	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-10	-0.7511	-62	-43	Yes	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-11	0.06556	62	43	Yes	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-12	-1.24	-63	-53	Yes	15	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-13	-0.08547	-49	-43	Yes	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-15	0.01926	22	48	No	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-17	0.03666	39	48	No	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-19	-0.1898	-40	-48	No	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-2	-0.263	-85	-48	Yes	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-20	-0.7252	-64	-48	Yes	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-21	0.2662	21	48	No	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-22	0.1044	17	48	No	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-23	0.1025	25	48	No	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-4	0.3101	54	43	Yes	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-42	-0.01135	-22	-48	No	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-47	-0.0335	-76	-48	Yes	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-48	-0.07754	-68	-48	Yes	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-5	-0.1613	-13	-43	No	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-8	-0.4216	-69	-43	Yes	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-9	-0.2815	-80	-48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWA-53 (bg)	-4.533	-57	-48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWA-70A (bg)	-0.1515	-29	-48	No	14	7.143	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWA-71 (bg)	-0.6883	-36	-43	No	13	7.692	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-10	-1.262	-14	-43	No	13	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-11	4.66	64	43	Yes	13	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-19	6.089	75	48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-2	-15.03	-87	-48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-20	-4.731	-43	-48	No	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-21	2.444	41	48	No	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-22	0.05105	6	48	No	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-23	1.103	32	48	No	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-4	21.16	50	43	Yes	13	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-48	-7.485	-73	-48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-5	8.05	50	43	Yes	13	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-9	-5.362	-25	-48	No	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWA-53 (bg)	-0.1941	-59	-53	Yes	15	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWA-70A (bg)	-0.08417	-33	-48	No	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWA-71 (bg)	0.07636	12	48	No	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-10	-0.6293	-33	-48	No	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-11	1.079	44	43	Yes	13	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-12	-0.7273	-55	-43	Yes	13	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-13	-0.3754	-14	-43	No	13	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-15	0.5787	57	48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-17	0.6518	35	48	No	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-19	-3.305	-69	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-20	2.833	83	48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-21	-1.053	-62	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-22	-2.241	-68	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-23	-0.873	-72	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-4	-3.438	-85	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-42	-3.134	-79	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-48	-2.232	-67	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-5	0.4296	43	43	No	13	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-8	-0.1857	-24	-43	No	13	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-9	0.5877	44	48	No	14	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	DGWA-53 (bg)	-0.001259	-9	-63	No	17	11.76	n/a	n/a	0.01	NP

Appendix III Trend Tests - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 2/25/2022, 7:30 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Fluoride, total (mg/L)	DGWA-70A (bg)	0.01092	48	53	No	15	66.67	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	DGWA-71 (bg)	0	32	58	No	16	81.25	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	DGWC-10	0.03121	14	58	No	16	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	DGWC-48	-0.1917	-68	-58	Yes	16	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	DGWC-9	0.03993	16	58	No	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWA-53 (bg)	0.02897	13	63	No	17	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWA-70A (bg)	-0.02535	-22	-58	No	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWA-71 (bg)	0.03005	28	63	No	17	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-10	0.061	32	63	No	17	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-17	-0.003279	-9	-63	No	17	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-19	0.05374	74	58	Yes	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-20	-0.02007	-42	-53	No	15	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-42	-0.02543	-32	-58	No	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-47	-0.1735	-52	-58	No	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-48	-0.02287	-24	-58	No	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-5	0.112	74	58	Yes	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-8	0	-3	-58	No	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-9	-0.02122	-75	-58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWA-53 (bg)	-1.708	-31	-53	No	15	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWA-70A (bg)	-0.2582	-50	-48	Yes	14	35.71	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWA-71 (bg)	-1.564	-72	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-10	-35.48	-42	-48	No	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-11	15.01	34	43	No	13	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-12	-47.07	-54	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-13	-7.462	-36	-43	No	13	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-14	-0.3613	-11	-43	No	13	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-15	-8.561	-57	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-17	-0.2865	-6	-48	No	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-19	17.24	60	48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-2	-59.83	-83	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-20	-51.63	-69	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-21	-7.197	-43	-48	No	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-22	-5.563	-14	-48	No	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-23	0	3	48	No	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-4	34.38	33	48	No	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-42	-12.99	-40	-48	No	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-47	-58.21	-78	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-48	-56.15	-76	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-5	1.576	2	43	No	13	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-8	-72.96	-72	-43	Yes	13	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-9	-8.648	-15	-48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWA-53 (bg)	-26.59	-62	-48	Yes	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWA-70A (bg)	-1.029	-7	-48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWA-71 (bg)	-5.605	-39	-48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-10	-38.88	-42	-48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-11	32.36	53	43	Yes	13	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-17	11.01	34	48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-19	29.77	52	48	Yes	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-20	-58.61	-69	-48	Yes	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-21	1.49	4	48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-22	-5.683	-27	-48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-23	0.7783	3	48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-4	86.33	45	48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-42	-15.87	-24	-48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-48	-61.71	-79	-48	Yes	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-5	38.2	54	43	Yes	13	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-8	-87.61	-70	-43	Yes	13	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-9	7.766	16	48	No	14	0	n/a	n/a	0.01	NP

Upper Tolerance Limits Summary Table

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 1:23 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.003	n/a	n/a	n/a	44	n/a	n/a	79.55	n/a	n/a	0.1047	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.005	n/a	n/a	n/a	44	n/a	n/a	81.82	n/a	n/a	0.1047	NP Inter(NDs)
Barium (mg/L)	n/a	0.19	n/a	n/a	n/a	44	n/a	n/a	0	n/a	n/a	0.1047	NP Inter(normality)
Beryllium (mg/L)	n/a	0.0009	n/a	n/a	n/a	45	n/a	n/a	62.22	n/a	n/a	0.09944	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.0005	n/a	n/a	n/a	44	n/a	n/a	93.18	n/a	n/a	0.1047	NP Inter(NDs)
Chromium (mg/L)	n/a	0.005	n/a	n/a	n/a	43	n/a	n/a	60.47	n/a	n/a	0.1102	NP Inter(NDs)
Cobalt (mg/L)	n/a	0.0322	n/a	n/a	n/a	44	n/a	n/a	36.36	n/a	n/a	0.1047	NP Inter(normality)
Combined Radium 226 + 228 (pCi/L)	n/a	5.605	n/a	n/a	n/a	46	1.041	0.3523	0	None	x ^(1/3)	0.05	Inter
Fluoride, total (mg/L)	n/a	0.42	n/a	n/a	n/a	48	n/a	n/a	52.08	n/a	n/a	0.08526	NP Inter(NDs)
Lead (mg/L)	n/a	0.001	n/a	n/a	n/a	44	n/a	n/a	79.55	n/a	n/a	0.1047	NP Inter(NDs)
Lithium (mg/L)	n/a	0.03	n/a	n/a	n/a	44	n/a	n/a	36.36	n/a	n/a	0.1047	NP Inter(normality)
Mercury (mg/L)	n/a	0.0002	n/a	n/a	n/a	44	n/a	n/a	86.36	n/a	n/a	0.1047	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.0409	n/a	n/a	n/a	44	n/a	n/a	63.64	n/a	n/a	0.1047	NP Inter(NDs)
Selenium (mg/L)	n/a	0.005	n/a	n/a	n/a	44	n/a	n/a	100	n/a	n/a	0.1047	NP Inter(NDs)
Thallium (mg/L)	n/a	0.001	n/a	n/a	n/a	44	n/a	n/a	95.45	n/a	n/a	0.1047	NP Inter(NDs)

PLANT MCDONOUGH ASH POND 1 GWPS TABLE - FEDERAL				
Constituent Name	MCL	CCR-Rule Specified	Background Limit	GWPS
Antimony, Total (mg/L)	0.006		0.003	0.006
Arsenic, Total (mg/L)	0.01		0.005	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		5.61	5.61
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*

PLANT MCDONOUGH ASH POND 1 GWPS TABLE - STATE				
Constituent Name	MCL	CCR-Rule Specified	Background Limit	GWPS
Antimony, Total (mg/L)	0.006		0.003	0.006
Arsenic, Total (mg/L)	0.01		0.005	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		5.61	5.61
Fluoride, Total (mg/L)	4		0.42	4
Lead, Total (mg/L)		0.015	0.001	0.001
Lithium, Total (mg/L)		0.04	0.03	0.03
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)		0.1	0.041	0.041
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*

Federal Confidence Intervals - Significant Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	DGWC-9	0.03003	0.0172	0.01	Yes	15	0.02361	0.009468	6.667	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-10	0.009208	0.005678	0.004	Yes	14	0.007443	0.002492	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-47	0.01281	0.009018	0.004	Yes	15	0.01091	0.002797	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-48	0.009234	0.007526	0.004	Yes	15	0.00838	0.00126	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-5	0.008688	0.006197	0.004	Yes	14	0.007443	0.001758	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-9	0.005896	0.004931	0.004	Yes	15	0.005413	0.000712	0	None	No	0.01	Param.
Beryllium (mg/L)	B-93	0.01805	0.006467	0.004	Yes	5	0.01378	0.003942	0	None	x^3	0.01	Param.
Cobalt (mg/L)	DGWC-10	0.1888	0.1413	0.032	Yes	14	0.1537	0.04866	0	None	x^4	0.01	Param.
Cobalt (mg/L)	DGWC-19	0.05331	0.04925	0.032	Yes	15	0.05128	0.002996	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-20	0.6394	0.4659	0.032	Yes	15	0.5575	0.1355	0	None	x^(1/3)	0.01	Param.
Cobalt (mg/L)	DGWC-47	0.3858	0.253	0.032	Yes	15	0.3194	0.09792	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-48	0.5073	0.402	0.032	Yes	15	0.4547	0.07771	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-8	0.0878	0.04412	0.032	Yes	14	0.06596	0.03083	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-9	0.201	0.1437	0.032	Yes	15	0.1724	0.04231	0	None	No	0.01	Param.
Cobalt (mg/L)	B-56	0.05421	0.03629	0.032	Yes	4	0.04525	0.003948	0	None	No	0.01	Param.
Cobalt (mg/L)	B-63	0.0547	0.0353	0.032	Yes	5	0.045	0.005788	0	None	No	0.01	Param.
Cobalt (mg/L)	B-93	0.069	0.0594	0.032	Yes	5	0.0642	0.002864	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-104D	21.26	6.892	5.61	Yes	4	14.08	3.164	0	None	No	0.01	Param.
Lithium (mg/L)	DGWC-47	0.07457	0.05787	0.04	Yes	15	0.06622	0.01232	0	None	No	0.01	Param.
Lithium (mg/L)	DGWC-48	0.1269	0.106	0.04	Yes	15	0.1165	0.01544	0	None	No	0.01	Param.
Selenium (mg/L)	DGWC-9	0.1308	0.05207	0.05	Yes	15	0.09144	0.0581	0	None	No	0.01	Param.

Federal Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	B-100	0.001954	0.001046	0.006	No	4	0.00225	0.0008813	50	Kaplan-Meier	No	0.01	Param.
Antimony (mg/L)	B-102D	0.003	0.0016	0.006	No	4	0.00265	0.0007	75	Kaplan-Meier	No	0.0625	NP (NDs)
Antimony (mg/L)	B-104D	0.001068	0.0003847	0.006	No	4	0.00126	0.001169	25	Kaplan-Meier	x^(1/3)	0.01	Param.
Antimony (mg/L)	B-111D	0.003	0.0006	0.006	No	4	0.0024	0.0012	75	Kaplan-Meier	No	0.0625	NP (NDs)
Antimony (mg/L)	B-62	0.003	0.00046	0.006	No	7	0.002637	0.00096	85.71	Kaplan-Meier	No	0.008	NP (NDs)
Antimony (mg/L)	B-63	0.003	0.00066	0.006	No	4	0.002415	0.00117	75	None	No	0.0625	NP (NDs)
Antimony (mg/L)	B-77	0.003	0.00036	0.006	No	6	0.001737	0.001387	50	None	No	0.0155	NP (normality)
Antimony (mg/L)	B-93	0.003	0.0014	0.006	No	4	0.0026	0.0008	75	None	No	0.0625	NP (NDs)
Antimony (mg/L)	DGWC-12	0.003	0.0003	0.006	No	16	0.002831	0.000675	93.75	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-14	0.003	0.0011	0.006	No	15	0.002873	0.0004906	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-15	0.003	0.00073	0.006	No	15	0.002671	0.0008724	86.67	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-17	0.003	0.00045	0.006	No	15	0.00283	0.0006584	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-19	0.003	0.00036	0.006	No	15	0.002824	0.0006816	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-2	0.003	0.0006	0.006	No	15	0.00284	0.0006197	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-21	0.003	0.0013	0.006	No	15	0.002887	0.0004389	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-23	0.003	0.0007	0.006	No	15	0.002847	0.0005939	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-4	0.003	0.0008	0.006	No	14	0.002491	0.001014	78.57	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-47	0.003	0.0012	0.006	No	15	0.00288	0.0004648	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-48	0.003	0.0018	0.006	No	15	0.002746	0.0007213	86.67	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-5	0.003	0.0015	0.006	No	14	0.002701	0.0007935	85.71	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-8	0.003	0.00046	0.006	No	14	0.002819	0.0006788	92.86	None	No	0.01	NP (NDs)
Arsenic (mg/L)	B-104D	0.002881	0.001519	0.01	No	4	0.0036	0.001635	50	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	B-111D	0.003281	0.001919	0.01	No	4	0.0038	0.001407	50	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	B-56	0.0047	0.003	0.01	No	4	0.0035	0.0008042	0	None	No	0.0625	NP (normality)
Arsenic (mg/L)	B-77	0.002882	0.001869	0.01	No	6	0.003233	0.001409	33.33	Kaplan-Meier	ln(x)	0.01	Param.
Arsenic (mg/L)	B-93	0.003589	0.0004108	0.01	No	4	0.0035	0.001824	50	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	DGWC-10	0.00717	0.003601	0.01	No	14	0.005386	0.002519	7.143	None	No	0.01	Param.
Arsenic (mg/L)	DGWC-12	0.005	0.00063	0.01	No	16	0.004452	0.001498	87.5	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-14	0.005	0.00039	0.01	No	15	0.004693	0.00119	93.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-15	0.005	0.0013	0.01	No	15	0.004169	0.001726	80	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-17	0.005	0.0008	0.01	No	15	0.003395	0.002042	60	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-19	0.002035	0.0009847	0.01	No	15	0.002317	0.001551	20	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	DGWC-2	0.005	0.0025	0.01	No	15	0.004566	0.00118	86.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-20	0.01666	0.007499	0.01	No	15	0.01208	0.006761	0	None	No	0.01	Param.
Arsenic (mg/L)	DGWC-22	0.005	0.001	0.01	No	15	0.004733	0.001033	93.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-4	0.005	0.0008	0.01	No	14	0.004057	0.001875	78.57	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-42	0.005	0.0011	0.01	No	15	0.004453	0.001445	86.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-47	0.002647	0.001328	0.01	No	15	0.002627	0.001504	20	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	DGWC-48	0.005	0.0008	0.01	No	15	0.003206	0.002005	53.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-5	0.0118	0.002817	0.01	No	14	0.008443	0.009971	14.29	None	x^(1/3)	0.01	Param.
Arsenic (mg/L)	DGWC-8	0.005	0.0012	0.01	No	14	0.00369	0.001839	64.29	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-9	0.03003	0.0172	0.01	Yes	15	0.02361	0.009468	6.667	None	No	0.01	Param.
Barium (mg/L)	B-100	0.022	0.015	2	No	4	0.02	0.003367	0	None	No	0.0625	NP (selected)
Barium (mg/L)	B-102D	0.02571	0.01829	2	No	4	0.022	0.001633	0	None	No	0.01	Param.
Barium (mg/L)	B-104D	0.026	0.021	2	No	4	0.0225	0.00238	0	None	No	0.0625	NP (normality)
Barium (mg/L)	B-111D	0.05204	0.01546	2	No	4	0.03375	0.008057	0	None	No	0.01	Param.
Barium (mg/L)	B-56	0.03185	0.02315	2	No	4	0.0275	0.001915	0	None	No	0.01	Param.
Barium (mg/L)	B-62	0.02758	0.01985	2	No	7	0.02371	0.003251	0	None	No	0.01	Param.
Barium (mg/L)	B-63	0.03208	0.01592	2	No	4	0.024	0.003559	0	None	No	0.01	Param.
Barium (mg/L)	B-66	0.01942	0.01508	2	No	4	0.01725	0.0009574	0	None	No	0.01	Param.
Barium (mg/L)	B-77	0.1255	0.08983	2	No	6	0.1077	0.01299	0	None	No	0.01	Param.

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Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	B-82	0.03301	0.01899	2	No	5	0.026	0.004183	0	None	No	0.01	Param.
Barium (mg/L)	B-83	0.05537	0.02029	2	No	5	0.0358	0.01158	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	B-88	0.02418	-0.01405	2	No	4	0.02025	0.002872	0	None	x^5	0.01	Param.
Barium (mg/L)	B-93	0.01892	0.01458	2	No	4	0.01675	0.0009574	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-10	0.02962	0.02305	2	No	14	0.02634	0.004637	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-11	0.06644	0.05633	2	No	14	0.06139	0.007138	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-12	0.03199	0.02415	2	No	16	0.02824	0.006231	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	DGWC-13	0.03292	0.02732	2	No	14	0.02908	0.007369	7.143	None	x^3	0.01	Param.
Barium (mg/L)	DGWC-14	0.06261	0.05787	2	No	15	0.06024	0.003493	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-15	0.05073	0.0443	2	No	15	0.04751	0.004744	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-17	0.05635	0.04167	2	No	15	0.04901	0.01083	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-19	0.02541	0.02177	2	No	15	0.02359	0.002686	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-2	0.02268	0.02132	2	No	15	0.022	0.001	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-20	0.01537	0.009179	2	No	15	0.01227	0.004566	6.667	None	No	0.01	Param.
Barium (mg/L)	DGWC-21	0.0272	0.024	2	No	15	0.02596	0.001505	0	None	No	0.01	NP (normality)
Barium (mg/L)	DGWC-22	0.03773	0.03193	2	No	15	0.03483	0.004281	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-23	0.0236	0.01844	2	No	15	0.02113	0.004092	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	DGWC-4	0.03617	0.0322	2	No	14	0.03419	0.002802	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-42	0.0205	0.01622	2	No	15	0.01836	0.003153	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-47	0.01975	0.01597	2	No	15	0.01786	0.002794	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-48	0.01436	0.01298	2	No	15	0.01367	0.001016	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-5	0.01834	0.01649	2	No	13	0.01742	0.001247	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-8	0.03806	0.02666	2	No	14	0.03236	0.008048	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-9	0.01623	0.01484	2	No	15	0.01553	0.00103	0	None	No	0.01	Param.
Beryllium (mg/L)	B-100	0.0006113	0.0002587	0.004	No	4	0.000435	0.00007767	0	None	No	0.01	Param.
Beryllium (mg/L)	B-102D	0.001543	0.0009569	0.004	No	4	0.00125	0.0001291	0	None	No	0.01	Param.
Beryllium (mg/L)	B-104D	0.001785	0.0009153	0.004	No	4	0.00135	0.0001915	0	None	No	0.01	Param.
Beryllium (mg/L)	B-56	0.001385	0.001015	0.004	No	4	0.0012	0.00008165	0	None	No	0.01	Param.
Beryllium (mg/L)	B-62	0.0005	0.000078	0.004	No	8	0.0002085	0.000181	25	None	No	0.004	NP (normality)
Beryllium (mg/L)	B-63	0.0004803	0.0003037	0.004	No	6	0.00041	0.00007797	16.67	Kaplan-Meier	No	0.01	Param.
Beryllium (mg/L)	B-77	0.0001464	0.00004658	0.004	No	6	0.0002267	0.0002142	33.33	Kaplan-Meier	ln(x)	0.01	Param.
Beryllium (mg/L)	B-82	0.001807	0.001073	0.004	No	5	0.00144	0.0002191	0	None	No	0.01	Param.
Beryllium (mg/L)	B-83	0.0006999	0.0001718	0.004	No	5	0.000404	0.000173	0	None	sqrt(x)	0.01	Param.
Beryllium (mg/L)	B-88	0.005	0.00063	0.004	No	4	0.002008	0.00202	0	None	No	0.0625	NP (selected)
Beryllium (mg/L)	B-93	0.01805	0.006467	0.004	Yes	5	0.01378	0.003942	0	None	x^3	0.01	Param.
Beryllium (mg/L)	B-97	0.0019	0.0015	0.004	No	4	0.001725	0.0002062	25	None	No	0.0625	NP (selected)
Beryllium (mg/L)	B-98	0.00087	0.0005	0.004	No	4	0.0005925	0.000185	75	None	No	0.0625	NP (NDs)
Beryllium (mg/L)	DGWC-10	0.009208	0.005678	0.004	Yes	14	0.007443	0.002492	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-11	0.003	0.00013	0.004	No	14	0.0004964	0.0007432	50	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-12	0.00049	0.00011	0.004	No	16	0.0003943	0.0007051	12.5	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-13	0.003	0.00007	0.004	No	14	0.0005256	0.000742	64.29	None	No	0.01	NP (NDs)
Beryllium (mg/L)	DGWC-15	0.003	0.00022	0.004	No	15	0.0006185	0.0006715	86.67	None	No	0.01	NP (NDs)
Beryllium (mg/L)	DGWC-17	0.0006188	0.0005265	0.004	No	15	0.0005727	0.00006808	13.33	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-19	0.0021	0.0017	0.004	No	15	0.001907	0.0004978	13.33	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-20	0.004866	0.002215	0.004	No	15	0.003673	0.002056	13.33	None	sqrt(x)	0.01	Param.
Beryllium (mg/L)	DGWC-21	0.0005	0.0001	0.004	No	15	0.000374	0.0007325	13.33	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-22	0.0005	0.00014	0.004	No	15	0.000376	0.0007316	13.33	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-23	0.0005	0.00038	0.004	No	15	0.000618	0.0006665	13.33	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-4	0.00028	0.00019	0.004	No	14	0.0004279	0.0007463	14.29	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-42	0.002738	0.002049	0.004	No	15	0.002333	0.0006576	6.667	None	x^2	0.01	Param.
Beryllium (mg/L)	DGWC-47	0.01281	0.009018	0.004	Yes	15	0.01091	0.002797	0	None	No	0.01	Param.

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Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig. N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Beryllium (mg/L)	DGWC-48	0.009234	0.007526	0.004	Yes 15	0.00838	0.00126	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-5	0.008688	0.006197	0.004	Yes 14	0.007443	0.001758	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-8	0.003201	0.001685	0.004	No 14	0.002443	0.00107	7.143	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-9	0.005896	0.004931	0.004	Yes 15	0.005413	0.000712	0	None	No	0.01	Param.
Cadmium (mg/L)	B-100	0.00059	0.00027	0.005	No 4	0.000355	0.000157	0	None	No	0.0625	NP (normality)
Cadmium (mg/L)	B-102D	0.0009243	0.0006021	0.005	No 4	0.0007775	0.00007274	0	None	x^2	0.01	Param.
Cadmium (mg/L)	B-56	0.0003178	0.0002172	0.005	No 4	0.0002675	0.00002217	0	None	No	0.01	Param.
Cadmium (mg/L)	B-63	0.0003199	0.00007013	0.005	No 4	0.0003475	0.0001817	50	Kaplan-Meier	No	0.01	Param.
Cadmium (mg/L)	B-82	0.0007939	0.0002981	0.005	No 5	0.000546	0.0001479	0	None	No	0.01	Param.
Cadmium (mg/L)	B-83	0.0004307	0.0002333	0.005	No 5	0.000332	0.00005891	0	None	No	0.01	Param.
Cadmium (mg/L)	B-88	0.008758	-0.003848	0.005	No 4	0.002455	0.002776	0	None	No	0.01	Param.
Cadmium (mg/L)	B-93	0.0009316	0.0006384	0.005	No 4	0.000785	0.00006455	0	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-10	0.001207	0.0008102	0.005	No 14	0.001009	0.0002801	0	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-11	0.0005	0.00016	0.005	No 14	0.0004221	0.0001549	78.57	None	No	0.01	NP (NDs)
Cadmium (mg/L)	DGWC-12	0.0003426	0.0002257	0.005	No 16	0.0003944	0.0001917	25	Kaplan-Meier	sqrt(x)	0.01	Param.
Cadmium (mg/L)	DGWC-13	0.0005	0.0002	0.005	No 14	0.0004486	0.0001328	85.71	Kaplan-Meier	No	0.01	NP (NDs)
Cadmium (mg/L)	DGWC-15	0.001	0.00012	0.005	No 15	0.0004287	0.0002377	73.33	Kaplan-Meier	No	0.01	NP (NDs)
Cadmium (mg/L)	DGWC-17	0.00033	0.00023	0.005	No 15	0.0002987	0.00009062	13.33	None	No	0.01	NP (normality)
Cadmium (mg/L)	DGWC-19	0.0005	0.00034	0.005	No 15	0.0004207	0.0001665	13.33	None	No	0.01	NP (normality)
Cadmium (mg/L)	DGWC-2	0.0002846	0.0001314	0.005	No 15	0.0003667	0.0002335	33.33	Kaplan-Meier	sqrt(x)	0.01	Param.
Cadmium (mg/L)	DGWC-20	0.002238	0.001722	0.005	No 15	0.00198	0.0003802	0	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-21	0.0007418	0.0004675	0.005	No 15	0.0006047	0.0002024	13.33	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-22	0.0007017	0.0004543	0.005	No 15	0.000578	0.0001826	13.33	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-23	0.0003	0.00019	0.005	No 15	0.0002967	0.0002115	13.33	None	No	0.01	NP (normality)
Cadmium (mg/L)	DGWC-4	0.0008282	0.0006103	0.005	No 14	0.0007193	0.0001538	14.29	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-42	0.001109	0.0004679	0.005	No 15	0.0008233	0.0005572	13.33	None	sqrt(x)	0.01	Param.
Cadmium (mg/L)	DGWC-47	0.002181	0.001246	0.005	No 15	0.001713	0.0006896	0	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-48	0.0042	0.0025	0.005	No 15	0.003527	0.001682	0	None	No	0.01	NP (normality)
Cadmium (mg/L)	DGWC-5	0.0008175	0.0004382	0.005	No 14	0.0006279	0.0002677	14.29	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-8	0.002516	0.00197	0.005	No 14	0.002243	0.0003857	0	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-9	0.0006732	0.0005032	0.005	No 15	0.0005927	0.0001373	13.33	None	x^(1/3)	0.01	Param.
Chromium (mg/L)	B-100	0.001223	0.0003828	0.1	No 4	0.002877	0.002456	50	Kaplan-Meier	sqrt(x)	0.01	Param.
Chromium (mg/L)	B-104D	0.005	0.0011	0.1	No 4	0.004025	0.00195	75	Kaplan-Meier	No	0.0625	NP (NDs)
Chromium (mg/L)	B-56	0.001914	0.00007551	0.1	No 4	0.002997	0.002336	50	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	B-62	0.005	0.00098	0.1	No 7	0.004426	0.001519	85.71	Kaplan-Meier	No	0.008	NP (NDs)
Chromium (mg/L)	B-63	0.005	0.00064	0.1	No 4	0.00391	0.00218	75	Kaplan-Meier	No	0.0625	NP (NDs)
Chromium (mg/L)	B-77	0.001858	0.0005328	0.1	No 6	0.00241	0.002072	33.33	Kaplan-Meier	ln(x)	0.01	Param.
Chromium (mg/L)	B-82	0.005	0.0011	0.1	No 5	0.00422	0.001744	80	Kaplan-Meier	No	0.031	NP (NDs)
Chromium (mg/L)	B-83	0.0051	0.0017	0.1	No 5	0.00394	0.001524	0	None	No	0.031	NP (selected)
Chromium (mg/L)	B-88	0.002116	0.0005176	0.1	No 4	0.002237	0.001875	25	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	B-93	0.005	0.00057	0.1	No 4	0.002807	0.002532	50	None	No	0.0625	NP (normality)
Chromium (mg/L)	DGWC-10	0.005	0.00078	0.1	No 14	0.002321	0.002074	35.71	None	No	0.01	NP (normality)
Chromium (mg/L)	DGWC-11	0.005	0.0006	0.1	No 14	0.003742	0.002064	71.43	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-12	0.005	0.00099	0.1	No 16	0.004496	0.001378	87.5	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-13	0.005	0.00074	0.1	No 14	0.003778	0.002006	71.43	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-15	0.01	0.00058	0.1	No 15	0.004423	0.002397	73.33	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-17	0.0035	0.0024	0.1	No 15	0.003047	0.0008651	13.33	None	No	0.01	NP (normality)
Chromium (mg/L)	DGWC-19	0.005	0.0023	0.1	No 15	0.00342	0.002022	20	None	No	0.01	NP (normality)
Chromium (mg/L)	DGWC-2	0.005	0.0005	0.1	No 15	0.003211	0.002268	60	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-20	0.002136	0.001443	0.1	No 15	0.003467	0.002385	40	Kaplan-Meier	ln(x)	0.01	Param.
Chromium (mg/L)	DGWC-21	0.005	0.0005	0.1	No 15	0.00333	0.002148	60	Kaplan-Meier	No	0.01	NP (NDs)

Federal Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	DGWC-22	0.005	0.0012	0.1	No	15	0.004747	0.0009812	93.33	Kaplan-Meier	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-23	0.005	0.0005	0.1	No	15	0.002187	0.002075	33.33	None	No	0.01	NP (normality)
Chromium (mg/L)	DGWC-4	0.005	0.0005	0.1	No	14	0.004679	0.001203	92.86	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-42	0.005	0.0005	0.1	No	15	0.003082	0.002157	53.33	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-47	0.005	0.0007	0.1	No	15	0.004713	0.00111	93.33	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-48	0.005	0.0007	0.1	No	15	0.004407	0.001567	86.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-5	0.005	0.00045	0.1	No	14	0.004675	0.001216	92.86	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-8	0.005	0.00086	0.1	No	14	0.003391	0.002002	57.14	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-9	0.0057	0.00059	0.1	No	15	0.003593	0.002173	60	None	No	0.01	NP (NDs)
Cobalt (mg/L)	B-100	0.087	0.029	0.032	No	6	0.058	0.02804	0	None	No	0.0155	NP (selected)
Cobalt (mg/L)	B-102D	0.01585	0.01215	0.032	No	4	0.014	0.0008165	0	None	No	0.01	Param.
Cobalt (mg/L)	B-104D	0.2361	-0.01451	0.032	No	4	0.1625	0.04272	0	None	x^2	0.01	Param.
Cobalt (mg/L)	B-111D	0.0009228	0.0004439	0.032	No	4	0.00112	0.0009256	25	Kaplan-Meier	x^(1/3)	0.01	Param.
Cobalt (mg/L)	B-56	0.05421	0.03629	0.032	Yes	4	0.04525	0.003948	0	None	No	0.01	Param.
Cobalt (mg/L)	B-62	0.0025	0.0003	0.032	No	7	0.001873	0.001071	71.43	None	No	0.008	NP (NDs)
Cobalt (mg/L)	B-63	0.0547	0.0353	0.032	Yes	5	0.045	0.005788	0	None	No	0.01	Param.
Cobalt (mg/L)	B-66	0.01241	0.003754	0.032	No	5	0.00758	0.003665	20	Kaplan-Meier	No	0.01	Param.
Cobalt (mg/L)	B-77	0.0031	0.0004	0.032	No	6	0.001817	0.0009725	16.67	None	No	0.0155	NP (selected)
Cobalt (mg/L)	B-82	0.007804	0.0003291	0.032	No	6	0.004067	0.002721	0	None	No	0.01	Param.
Cobalt (mg/L)	B-83	0.021	0.0073	0.032	No	5	0.01344	0.005791	0	None	No	0.031	NP (selected)
Cobalt (mg/L)	B-88	0.022	0.0015	0.032	No	5	0.00928	0.009906	0	None	No	0.031	NP (selected)
Cobalt (mg/L)	B-93	0.069	0.0594	0.032	Yes	5	0.0642	0.002864	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-10	0.1888	0.1413	0.032	Yes	14	0.1537	0.04866	0	None	x^4	0.01	Param.
Cobalt (mg/L)	DGWC-11	0.0025	0.0006	0.032	No	14	0.001481	0.0009221	42.86	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-12	0.013	0.0021	0.032	No	16	0.008125	0.009711	12.5	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-13	0.0025	0.0005	0.032	No	14	0.002056	0.0008832	78.57	None	No	0.01	NP (NDs)
Cobalt (mg/L)	DGWC-15	0.0028	0.0016	0.032	No	15	0.003653	0.005947	6.667	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-17	0.02716	0.02022	0.032	No	15	0.02313	0.00641	6.667	None	x^2	0.01	Param.
Cobalt (mg/L)	DGWC-19	0.05331	0.04925	0.032	Yes	15	0.05128	0.002996	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-2	0.0284	0.0062	0.032	No	15	0.01761	0.01155	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-20	0.6394	0.4659	0.032	Yes	15	0.5575	0.1355	0	None	x^(1/3)	0.01	Param.
Cobalt (mg/L)	DGWC-21	0.009773	0.008552	0.032	No	15	0.00862	0.002141	13.33	None	x^6	0.01	Param.
Cobalt (mg/L)	DGWC-22	0.009945	0.007492	0.032	No	15	0.008533	0.002244	13.33	None	x^2	0.01	Param.
Cobalt (mg/L)	DGWC-23	0.005	0.00039	0.032	No	15	0.00183	0.001357	60	None	No	0.01	NP (NDs)
Cobalt (mg/L)	DGWC-4	0.0021	0.0015	0.032	No	14	0.002021	0.000904	14.29	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-42	0.04451	0.01723	0.032	No	15	0.03087	0.02013	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-47	0.3858	0.253	0.032	Yes	15	0.3194	0.09792	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-48	0.5073	0.402	0.032	Yes	15	0.4547	0.07771	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-5	0.04	0.02	0.032	No	14	0.02794	0.01109	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-8	0.0878	0.04412	0.032	Yes	14	0.06596	0.03083	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-9	0.201	0.1437	0.032	Yes	15	0.1724	0.04231	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-100	1.4	0.168	5.61	No	4	0.7853	0.5031	0	None	No	0.0625	NP (selected)
Combined Radium 226 + 228 (pCi/L)	B-102D	1.74	0.635	5.61	No	4	1.096	0.4956	0	None	No	0.0625	NP (selected)
Combined Radium 226 + 228 (pCi/L)	B-104D	21.26	6.892	5.61	Yes	4	14.08	3.164	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-111D	16.31	1.377	5.61	No	4	8.843	3.288	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-56	1.617	0.5846	5.61	No	4	1.101	0.2275	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-62	2.02	1.173	5.61	No	6	1.597	0.3082	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-77	2.17	0.617	5.61	No	5	1.516	0.7658	0	None	No	0.031	NP (selected)
Combined Radium 226 + 228 (pCi/L)	B-82	1.18	0.3541	5.61	No	4	0.7673	0.182	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-83	1.15	0.0359	5.61	No	5	0.674	0.4409	0	None	No	0.031	NP (selected)
Combined Radium 226 + 228 (pCi/L)	B-88	2.84	0.771	5.61	No	4	1.752	1.056	0	None	No	0.0625	NP (selected)

Federal Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:54 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-93	2.371	0.3074	5.61	No 4	1.339	0.4544	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-10	1.497	1.071	5.61	No 15	1.284	0.314	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-11	1.272	0.6667	5.61	No 15	0.9694	0.4467	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-12	1.27	0.4013	5.61	No 15	0.8984	0.714	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-13	1.484	1.036	5.61	No 15	1.26	0.3303	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-14	1.103	0.6919	5.61	No 15	0.8972	0.303	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-15	1.553	0.551	5.61	No 15	1.118	0.8748	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-17	1.05	0.5723	5.61	No 15	0.8113	0.3526	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-19	1.04	0.5062	5.61	No 15	0.7733	0.3942	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-2	1.444	0.8924	5.61	No 15	1.168	0.4067	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-20	1.543	0.8767	5.61	No 15	1.21	0.4913	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-21	1.125	0.5866	5.61	No 15	0.8557	0.3972	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-22	1.364	0.733	5.61	No 15	1.049	0.4659	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-23	1.489	0.7765	5.61	No 15	1.133	0.5259	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-4	1.721	1.187	5.61	No 15	1.454	0.3939	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-42	1.169	0.7309	5.61	No 15	0.9499	0.3231	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-47	2.903	1.785	5.61	No 15	2.344	0.8249	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-48	2.415	1.602	5.61	No 15	2.03	0.6435	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-5	1.839	1.024	5.61	No 15	1.431	0.6015	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-8	0.841	0.4794	5.61	No 15	0.6602	0.2668	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-9	1.439	0.9531	5.61	No 15	1.196	0.3583	0	None	No	0.01	Param.
Fluoride, total (mg/L)	B-102D	0.11	0.077	4	No 4	0.08725	0.01537	0	None	No	0.0625	NP (normality)
Fluoride, total (mg/L)	B-104D	0.5774	0.2326	4	No 4	0.405	0.07594	0	None	No	0.01	Param.
Fluoride, total (mg/L)	B-111D	0.7199	0.1451	4	No 4	0.4325	0.1266	0	None	No	0.01	Param.
Fluoride, total (mg/L)	B-56	0.34	0.098	4	No 4	0.207	0.09985	0	None	No	0.0625	NP (selected)
Fluoride, total (mg/L)	B-62	0.3546	0.06003	4	No 6	0.1855	0.1295	0	None	x^(1/3)	0.01	Param.
Fluoride, total (mg/L)	B-77	0.1	0.078	4	No 5	0.0948	0.00955	60	None	No	0.031	NP (NDs)
Fluoride, total (mg/L)	B-82	0.2	0.052	4	No 4	0.113	0.06226	50	None	No	0.0625	NP (selected)
Fluoride, total (mg/L)	B-83	0.1232	0.02857	4	No 5	0.0834	0.0317	20	Kaplan-Meier	No	0.01	Param.
Fluoride, total (mg/L)	B-93	0.3685	0.2815	4	No 4	0.325	0.01915	0	None	No	0.01	Param.
Fluoride, total (mg/L)	DGWC-10	1.862	1.347	4	No 16	1.604	0.3955	0	None	No	0.01	Param.
Fluoride, total (mg/L)	DGWC-11	0.1	0.052	4	No 15	0.0804	0.0261	60	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-12	0.1641	0.05529	4	No 16	0.1588	0.1448	37.5	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride, total (mg/L)	DGWC-13	0.2134	0.08589	4	No 15	0.157	0.1093	6.667	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	DGWC-14	0.1	0.052	4	No 16	0.08588	0.02643	68.75	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-15	0.11	0.079	4	No 16	0.1054	0.04361	62.5	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-17	0.2722	0.09774	4	No 16	0.2039	0.1552	12.5	None	x^(1/3)	0.01	Param.
Fluoride, total (mg/L)	DGWC-19	0.5135	0.1749	4	No 16	0.3713	0.313	6.25	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	DGWC-2	0.28	0.052	4	No 16	0.1429	0.1586	37.5	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	DGWC-20	0.9494	0.4006	4	No 16	0.675	0.4218	6.25	None	No	0.01	Param.
Fluoride, total (mg/L)	DGWC-21	0.14	0.07	4	No 16	0.107	0.06664	62.5	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-22	0.13	0.09	4	No 16	0.1185	0.06532	50	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	DGWC-23	0.2262	0.09243	4	No 16	0.1852	0.1558	6.25	None	ln(x)	0.01	Param.
Fluoride, total (mg/L)	DGWC-4	0.17	0.082	4	No 16	0.1364	0.1776	68.75	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-42	0.1	0.06	4	No 16	0.0925	0.02176	87.5	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-47	1.146	0.5167	4	No 16	0.8313	0.4835	0	None	No	0.01	Param.
Fluoride, total (mg/L)	DGWC-48	1.19	0.6114	4	No 16	0.9006	0.4445	0	None	No	0.01	Param.
Fluoride, total (mg/L)	DGWC-5	0.7808	0.2378	4	No 15	0.5667	0.4567	6.667	None	x^(1/3)	0.01	Param.
Fluoride, total (mg/L)	DGWC-8	0.4095	0.1193	4	No 15	0.2868	0.2338	13.33	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	DGWC-9	1.391	0.9657	4	No 16	1.178	0.3265	0	None	No	0.01	Param.
Lead (mg/L)	B-100	0.0003036	0.00005528	0.015	No 4	0.0003695	0.0004235	25	Kaplan-Meier	sqrt(x)	0.01	Param.

Federal Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lead (mg/L)	B-102D	0.001	0.000037	0.015	No	4	0.0002865	0.0004758	25	None	No	0.0625	NP (normality)
Lead (mg/L)	B-104D	0.001	0.000051	0.015	No	4	0.0007628	0.0004745	75	None	No	0.0625	NP (NDs)
Lead (mg/L)	B-111D	0.001	0.000051	0.015	No	4	0.0005273	0.0005459	50	None	No	0.0625	NP (normality)
Lead (mg/L)	B-56	0.0002854	0.00003627	0.015	No	4	0.0003528	0.0004355	25	Kaplan-Meier	sqrt(x)	0.01	Param.
Lead (mg/L)	B-63	0.001	0.000047	0.015	No	4	0.00053	0.0005428	50	None	No	0.0625	NP (normality)
Lead (mg/L)	B-77	0.0016	0.00021	0.015	No	6	0.0007367	0.000554	33.33	None	No	0.0155	NP (selected)
Lead (mg/L)	B-82	0.0001911	0.00004858	0.015	No	5	0.0004658	0.000489	40	Kaplan-Meier	x^(1/3)	0.01	Param.
Lead (mg/L)	B-83	0.001	0.000065	0.015	No	5	0.000455	0.0004634	20	None	No	0.031	NP (selected)
Lead (mg/L)	B-88	0.02767	0.00004865	0.015	No	4	0.00354	0.005647	25	Kaplan-Meier	ln(x)	0.01	Param.
Lead (mg/L)	B-93	0.001	0.00012	0.015	No	4	0.00056	0.0005081	50	None	No	0.0625	NP (normality)
Lead (mg/L)	DGWC-10	0.001	0.00011	0.015	No	14	0.0006273	0.0004481	57.14	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-11	0.001	0.0001	0.015	No	14	0.0006785	0.0004481	64.29	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-12	0.001	0.00011	0.015	No	16	0.0008881	0.0003057	87.5	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-13	0.001	0.0002	0.015	No	14	0.0008784	0.0003097	85.71	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-14	0.001	0.000096	0.015	No	15	0.0008149	0.0003834	80	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-15	0.0012	0.0001	0.015	No	15	0.0007161	0.0004487	60	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-17	0.001	0.00009	0.015	No	15	0.0005862	0.0004585	53.33	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-19	0.001	0.00007	0.015	No	15	0.0007059	0.0004334	66.67	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-2	0.001	0.000086	0.015	No	15	0.0005156	0.0004693	46.67	None	No	0.01	NP (normality)
Lead (mg/L)	DGWC-20	0.001	0.00015	0.015	No	15	0.0007311	0.0003691	60	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-21	0.001	0.00014	0.015	No	15	0.0006177	0.0004296	53.33	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-23	0.001	0.000066	0.015	No	15	0.0009377	0.0002412	93.33	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-4	0.001	0.00012	0.015	No	14	0.0007478	0.0004149	71.43	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-42	0.0004678	0.0001549	0.015	No	15	0.0008147	0.001228	20	Kaplan-Meier	ln(x)	0.01	Param.
Lead (mg/L)	DGWC-47	0.0011	0.00053	0.015	No	15	0.001081	0.001106	26.67	None	No	0.01	NP (normality)
Lead (mg/L)	DGWC-48	0.0022	0.00095	0.015	No	15	0.001664	0.001169	13.33	None	No	0.01	NP (normality)
Lead (mg/L)	DGWC-5	0.001	0.000051	0.015	No	14	0.0005984	0.0006777	35.71	None	No	0.01	NP (normality)
Lead (mg/L)	DGWC-8	0.001	0.00011	0.015	No	14	0.0006273	0.0004132	50	None	No	0.01	NP (normality)
Lead (mg/L)	DGWC-9	0.001	0.00028	0.015	No	15	0.00084	0.0003323	80	None	No	0.01	NP (NDs)
Lithium (mg/L)	B-100	0.003519	0.0007815	0.04	No	4	0.00215	0.0006028	0	None	No	0.01	Param.
Lithium (mg/L)	B-102D	0.01666	0.009844	0.04	No	4	0.01325	0.0015	0	None	No	0.01	Param.
Lithium (mg/L)	B-104D	0.04121	0.03479	0.04	No	4	0.038	0.001414	0	None	No	0.01	Param.
Lithium (mg/L)	B-111D	0.029	0.021	0.04	No	4	0.02475	0.004349	0	None	No	0.0625	NP (selected)
Lithium (mg/L)	B-56	0.005968	0.004632	0.04	No	4	0.0053	0.0002944	0	None	No	0.01	Param.
Lithium (mg/L)	B-62	0.015	0.0078	0.04	No	7	0.0094	0.002532	14.29	None	No	0.008	NP (normality)
Lithium (mg/L)	B-63	0.015	0.0062	0.04	No	5	0.00812	0.003849	20	None	No	0.031	NP (normality)
Lithium (mg/L)	B-77	0.015	0.00095	0.04	No	6	0.004525	0.005339	16.67	None	No	0.0155	NP (selected)
Lithium (mg/L)	B-82	0.0039	0.001	0.04	No	5	0.00222	0.001422	0	None	No	0.031	NP (selected)
Lithium (mg/L)	B-83	0.004551	0.0009685	0.04	No	5	0.00276	0.001069	0	None	No	0.01	Param.
Lithium (mg/L)	B-88	0.029	0.0016	0.04	No	4	0.009575	0.01311	0	None	No	0.0625	NP (selected)
Lithium (mg/L)	B-93	0.012	0.011	0.04	No	4	0.01125	0.0005	0	None	No	0.0625	NP (normality)
Lithium (mg/L)	DGWC-10	0.006793	0.002702	0.04	No	14	0.005343	0.004279	14.29	None	ln(x)	0.01	Param.
Lithium (mg/L)	DGWC-11	0.0028	0.0019	0.04	No	14	0.003186	0.003418	7.143	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-12	0.015	0.0011	0.04	No	16	0.01064	0.006685	68.75	None	No	0.01	NP (NDs)
Lithium (mg/L)	DGWC-13	0.0036	0.0029	0.04	No	14	0.004879	0.004297	14.29	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-14	0.0044	0.0032	0.04	No	15	0.00472	0.003078	6.667	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-15	0.0066	0.0058	0.04	No	14	0.00625	0.0008465	0	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-17	0.015	0.00096	0.04	No	15	0.009434	0.007057	60	None	No	0.01	NP (NDs)
Lithium (mg/L)	DGWC-19	0.0035	0.003	0.04	No	15	0.003993	0.003053	6.667	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-2	0.085	0.023	0.04	No	15	0.04906	0.03031	6.667	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-20	0.012	0.0021	0.04	No	15	0.006407	0.005611	6.667	None	No	0.01	NP (normality)

Federal Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lithium (mg/L)	DGWC-21	0.0065	0.0057	0.04	No	15	0.00656	0.00236	6.667	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-22	0.0046	0.0037	0.04	No	15	0.00484	0.002836	6.667	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-23	0.01279	0.003816	0.04	No	15	0.01165	0.01832	6.667	None	ln(x)	0.01	Param.
Lithium (mg/L)	DGWC-4	0.0035	0.0025	0.04	No	14	0.003786	0.003256	7.143	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-42	0.01268	0.01007	0.04	No	15	0.01137	0.001928	6.667	None	No	0.01	Param.
Lithium (mg/L)	DGWC-47	0.07457	0.05787	0.04	Yes	15	0.06622	0.01232	0	None	No	0.01	Param.
Lithium (mg/L)	DGWC-48	0.1269	0.106	0.04	Yes	15	0.1165	0.01544	0	None	No	0.01	Param.
Lithium (mg/L)	DGWC-5	0.008199	0.004206	0.04	No	14	0.006343	0.003062	7.143	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	DGWC-8	0.0072	0.0045	0.04	No	14	0.006036	0.002823	7.143	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-9	0.02931	0.02328	0.04	No	15	0.02629	0.004445	6.667	None	No	0.01	Param.
Mercury (mg/L)	B-104D	0.0002	0.000079	0.002	No	4	0.0001697	0.0000605	75	None	No	0.0625	NP (NDs)
Mercury (mg/L)	B-111D	0.0002	0.000094	0.002	No	4	0.0001735	0.000053	75	None	No	0.0625	NP (NDs)
Mercury (mg/L)	B-56	0.0002	0.00016	0.002	No	4	0.00019	0.00002	75	None	No	0.0625	NP (NDs)
Mercury (mg/L)	B-82	0.0002	0.00011	0.002	No	5	0.000182	0.00004025	80	None	No	0.031	NP (NDs)
Mercury (mg/L)	B-88	0.0002	0.0001	0.002	No	4	0.0001525	0.000055	50	None	No	0.0625	NP (normality)
Mercury (mg/L)	B-93	0.00036	0.00001396	0.002	No	4	0.000187	0.00007622	0	None	No	0.01	Param.
Mercury (mg/L)	DGWC-10	0.0002	0.000081	0.002	No	14	0.0001658	0.00005628	71.43	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-11	0.0002	0.00008	0.002	No	14	0.0001707	0.0000585	78.57	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-12	0.0002	0.00008	0.002	No	16	0.0001541	0.00006456	62.5	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-13	0.0002	0.00009	0.002	No	14	0.0001829	0.00004375	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-14	0.0002	0.00008	0.002	No	15	0.0001727	0.00005688	80	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-15	0.0002	0.00006	0.002	No	15	0.0001907	0.00003615	93.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-17	0.0002	0.00006	0.002	No	15	0.0001404	0.00006361	46.67	None	No	0.01	NP (normality)
Mercury (mg/L)	DGWC-19	0.0002	0.00009	0.002	No	15	0.000172	0.00005882	80	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-2	0.00064	0.000083	0.002	No	15	0.0002049	0.0001304	73.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-20	0.0002	0.00009	0.002	No	15	0.0001767	0.00004835	80	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-21	0.0002	0.00006	0.002	No	15	0.000158	0.00006327	66.67	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-22	0.0002	0.0001	0.002	No	15	0.0001677	0.00005729	73.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-23	0.0002053	0.0001241	0.002	No	15	0.0001853	0.0000573	26.67	Kaplan-Meier	No	0.01	Param.
Mercury (mg/L)	DGWC-4	0.00059	0.00013	0.002	No	14	0.0002059	0.0001192	71.43	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-42	0.0002	0.00004	0.002	No	15	0.0001893	0.00004131	93.33	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-48	0.0002	0.00006	0.002	No	15	0.0001907	0.00003615	93.33	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-5	0.0002402	0.0001202	0.002	No	14	0.0001924	0.0001175	14.29	None	ln(x)	0.01	Param.
Mercury (mg/L)	DGWC-8	0.0002	0.000079	0.002	No	14	0.0001494	0.00006312	57.14	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-9	0.00021	0.00013	0.002	No	15	0.0001881	0.00008736	46.67	None	No	0.01	NP (normality)
Molybdenum (mg/L)	B-104D	0.01	0.0012	0.1	No	4	0.0078	0.0044	75	None	No	0.0625	NP (NDs)
Molybdenum (mg/L)	B-111D	0.01817	0.002799	0.1	No	4	0.00765	0.003615	0	None	ln(x)	0.01	Param.
Molybdenum (mg/L)	B-66	0.01	0.0015	0.1	No	4	0.005825	0.004822	50	None	No	0.0625	NP (normality)
Molybdenum (mg/L)	B-88	0.01	0.0012	0.1	No	4	0.0056	0.005081	50	None	No	0.0625	NP (normality)
Molybdenum (mg/L)	DGWC-13	0.0262	0.01302	0.1	No	14	0.01961	0.009301	0	None	No	0.01	Param.
Molybdenum (mg/L)	DGWC-2	0.01	0.0018	0.1	No	15	0.005093	0.004167	40	None	No	0.01	NP (normality)
Molybdenum (mg/L)	DGWC-23	0.01117	0.00682	0.1	No	15	0.008993	0.003208	0	None	No	0.01	Param.
Molybdenum (mg/L)	DGWC-4	0.007258	0.004757	0.1	No	14	0.006007	0.001765	7.143	None	No	0.01	Param.
Selenium (mg/L)	B-100	0.005	0.0019	0.05	No	4	0.004225	0.00155	75	None	No	0.0625	NP (NDs)
Selenium (mg/L)	B-104D	0.004053	0.0006472	0.05	No	4	0.003675	0.001648	50	Kaplan-Meier	No	0.01	Param.
Selenium (mg/L)	B-111D	0.005	0.0022	0.05	No	4	0.0043	0.0014	75	None	No	0.0625	NP (NDs)
Selenium (mg/L)	B-56	0.029	0.011	0.05	No	4	0.016	0.008718	0	None	No	0.0625	NP (normality)
Selenium (mg/L)	B-77	0.005	0.0017	0.05	No	6	0.00445	0.001347	83.33	None	No	0.0155	NP (NDs)
Selenium (mg/L)	B-82	0.005	0.0016	0.05	No	5	0.00374	0.001734	60	None	No	0.031	NP (NDs)
Selenium (mg/L)	B-83	0.02981	0.006668	0.05	No	5	0.01824	0.006906	0	None	No	0.01	Param.
Selenium (mg/L)	B-88	0.004472	0.0007278	0.05	No	4	0.0026	0.0008246	0	None	No	0.01	Param.

Federal Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Selenium (mg/L)	B-93	0.036	0.0076	0.05	No	4	0.01788	0.01288	0	None	No	0.0625	NP (selected)
Selenium (mg/L)	DGWC-10	0.05289	0.02215	0.05	No	14	0.03752	0.0217	0	None	No	0.01	Param.
Selenium (mg/L)	DGWC-12	0.005	0.0017	0.05	No	16	0.003931	0.002266	56.25	None	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-13	0.004442	0.0019	0.05	No	14	0.004307	0.00244	21.43	Kaplan-Meier	No	0.01	Param.
Selenium (mg/L)	DGWC-14	0.01	0.0017	0.05	No	15	0.004227	0.002257	66.67	Kaplan-Meier	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-15	0.01	0.0018	0.05	No	15	0.00512	0.001582	93.33	Kaplan-Meier	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-17	0.009189	0.006423	0.05	No	15	0.007953	0.002359	13.33	None	ln(x)	0.01	Param.
Selenium (mg/L)	DGWC-19	0.008946	0.005774	0.05	No	15	0.00736	0.00234	13.33	None	No	0.01	Param.
Selenium (mg/L)	DGWC-2	0.0053	0.0045	0.05	No	15	0.005193	0.001557	46.67	None	No	0.01	NP (normality)
Selenium (mg/L)	DGWC-20	0.06742	0.0338	0.05	No	15	0.05061	0.02481	0	None	No	0.01	Param.
Selenium (mg/L)	DGWC-22	0.005	0.0017	0.05	No	15	0.00478	0.0008521	93.33	None	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-4	0.005	0.0014	0.05	No	14	0.004743	0.0009621	92.86	None	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-47	0.01301	0.005259	0.05	No	15	0.009133	0.005718	13.33	None	No	0.01	Param.
Selenium (mg/L)	DGWC-48	0.008046	0.003594	0.05	No	15	0.00582	0.003285	13.33	None	No	0.01	Param.
Selenium (mg/L)	DGWC-5	0.0457	0.00964	0.05	No	14	0.03263	0.04214	7.143	None	x^(1/3)	0.01	Param.
Selenium (mg/L)	DGWC-8	0.00408	0.002153	0.05	No	14	0.004586	0.002144	50	Kaplan-Meier	sqrt(x)	0.01	Param.
Selenium (mg/L)	DGWC-9	0.1308	0.05207	0.05	Yes	15	0.09144	0.0581	0	None	No	0.01	Param.
Thallium (mg/L)	B-56	0.0003212	0.0001238	0.002	No	4	0.0002225	0.00004349	0	None	No	0.01	Param.
Thallium (mg/L)	B-82	0.001	0.000099	0.002	No	5	0.0006418	0.0004905	60	None	No	0.031	NP (NDs)
Thallium (mg/L)	B-83	0.001	0.000072	0.002	No	5	0.0008144	0.000415	80	None	No	0.031	NP (NDs)
Thallium (mg/L)	B-88	0.001	0.0002	0.002	No	4	0.0008	0.0004	75	None	No	0.0625	NP (NDs)
Thallium (mg/L)	DGWC-10	0.0006	0.00036	0.002	No	14	0.0004907	0.0002285	14.29	None	No	0.01	NP (normality)
Thallium (mg/L)	DGWC-12	0.001	0.00009	0.002	No	16	0.0006042	0.0004636	56.25	None	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-17	0.001	0.00017	0.002	No	15	0.000398	0.0003761	26.67	None	No	0.01	NP (normality)
Thallium (mg/L)	DGWC-19	0.00059	0.00049	0.002	No	15	0.000544	0.0001384	6.667	None	No	0.01	NP (normality)
Thallium (mg/L)	DGWC-20	0.000988	0.0005219	0.002	No	15	0.000942	0.0004995	26.67	Kaplan-Meier	ln(x)	0.01	Param.
Thallium (mg/L)	DGWC-22	0.001	0.000064	0.002	No	15	0.0006889	0.0004554	66.67	Kaplan-Meier	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-4	0.001	0.000073	0.002	No	14	0.0009338	0.0002478	92.86	None	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-42	0.001	0.00009	0.002	No	15	0.0007559	0.000419	73.33	None	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-47	0.00036	0.0002	0.002	No	15	0.0003513	0.0002684	13.33	None	No	0.01	NP (normality)
Thallium (mg/L)	DGWC-48	0.001	0.00008	0.002	No	15	0.0006937	0.0004484	66.67	None	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-5	0.001	0.0002	0.002	No	14	0.00081	0.0003787	78.57	None	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-8	0.001	0.00019	0.002	No	14	0.0003886	0.0003356	21.43	None	No	0.01	NP (normality)
Thallium (mg/L)	DGWC-9	0.001	0.00043	0.002	No	15	0.0007027	0.0002443	33.33	None	No	0.01	NP (normality)

State Confidence Intervals - Significant Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	DGWC-9	0.03003	0.0172	0.01	Yes	15	0.02361	0.009468	6.667	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-10	0.009208	0.005678	0.004	Yes	14	0.007443	0.002492	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-47	0.01281	0.009018	0.004	Yes	15	0.01091	0.002797	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-48	0.009234	0.007526	0.004	Yes	15	0.00838	0.00126	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-5	0.008688	0.006197	0.004	Yes	14	0.007443	0.001758	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-9	0.005896	0.004931	0.004	Yes	15	0.005413	0.000712	0	None	No	0.01	Param.
Beryllium (mg/L)	B-93	0.01805	0.006467	0.004	Yes	5	0.01378	0.003942	0	None	x^3	0.01	Param.
Cobalt (mg/L)	DGWC-10	0.1888	0.1413	0.032	Yes	14	0.1537	0.04866	0	None	x^4	0.01	Param.
Cobalt (mg/L)	DGWC-19	0.05331	0.04925	0.032	Yes	15	0.05128	0.002996	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-20	0.6394	0.4659	0.032	Yes	15	0.5575	0.1355	0	None	x^(1/3)	0.01	Param.
Cobalt (mg/L)	DGWC-47	0.3858	0.253	0.032	Yes	15	0.3194	0.09792	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-48	0.5073	0.402	0.032	Yes	15	0.4547	0.07771	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-8	0.0878	0.04412	0.032	Yes	14	0.06596	0.03083	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-9	0.201	0.1437	0.032	Yes	15	0.1724	0.04231	0	None	No	0.01	Param.
Cobalt (mg/L)	B-56	0.05421	0.03629	0.032	Yes	4	0.04525	0.003948	0	None	No	0.01	Param.
Cobalt (mg/L)	B-63	0.0547	0.0353	0.032	Yes	5	0.045	0.005788	0	None	No	0.01	Param.
Cobalt (mg/L)	B-93	0.069	0.0594	0.032	Yes	5	0.0642	0.002864	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-104D	21.26	6.892	5.61	Yes	4	14.08	3.164	0	None	No	0.01	Param.
Lithium (mg/L)	DGWC-47	0.07457	0.05787	0.03	Yes	15	0.06622	0.01232	0	None	No	0.01	Param.
Lithium (mg/L)	DGWC-48	0.1269	0.106	0.03	Yes	15	0.1165	0.01544	0	None	No	0.01	Param.
Lithium (mg/L)	B-104D	0.04121	0.03479	0.03	Yes	4	0.038	0.001414	0	None	No	0.01	Param.
Selenium (mg/L)	DGWC-9	0.1308	0.05207	0.05	Yes	15	0.09144	0.0581	0	None	No	0.01	Param.

State Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	B-100	0.001954	0.001046	0.006	No	4	0.00225	0.0008813	50	Kaplan-Meier	No	0.01	Param.
Antimony (mg/L)	B-102D	0.003	0.0016	0.006	No	4	0.00265	0.0007	75	Kaplan-Meier	No	0.0625	NP (NDs)
Antimony (mg/L)	B-104D	0.001068	0.0003847	0.006	No	4	0.00126	0.001169	25	Kaplan-Meier	x^(1/3)	0.01	Param.
Antimony (mg/L)	B-111D	0.003	0.0006	0.006	No	4	0.0024	0.0012	75	Kaplan-Meier	No	0.0625	NP (NDs)
Antimony (mg/L)	B-62	0.003	0.00046	0.006	No	7	0.002637	0.00096	85.71	Kaplan-Meier	No	0.008	NP (NDs)
Antimony (mg/L)	B-63	0.003	0.00066	0.006	No	4	0.002415	0.00117	75	None	No	0.0625	NP (NDs)
Antimony (mg/L)	B-77	0.003	0.00036	0.006	No	6	0.001737	0.001387	50	None	No	0.0155	NP (normality)
Antimony (mg/L)	B-93	0.003	0.0014	0.006	No	4	0.0026	0.0008	75	None	No	0.0625	NP (NDs)
Antimony (mg/L)	DGWC-12	0.003	0.0003	0.006	No	16	0.002831	0.000675	93.75	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-14	0.003	0.0011	0.006	No	15	0.002873	0.0004906	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-15	0.003	0.00073	0.006	No	15	0.002671	0.0008724	86.67	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-17	0.003	0.00045	0.006	No	15	0.00283	0.0006584	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-19	0.003	0.00036	0.006	No	15	0.002824	0.0006816	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-2	0.003	0.0006	0.006	No	15	0.00284	0.0006197	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-21	0.003	0.0013	0.006	No	15	0.002887	0.0004389	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-23	0.003	0.0007	0.006	No	15	0.002847	0.0005939	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-4	0.003	0.0008	0.006	No	14	0.002491	0.001014	78.57	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-47	0.003	0.0012	0.006	No	15	0.00288	0.0004648	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-48	0.003	0.0018	0.006	No	15	0.002746	0.0007213	86.67	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-5	0.003	0.0015	0.006	No	14	0.002701	0.0007935	85.71	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-8	0.003	0.00046	0.006	No	14	0.002819	0.0006788	92.86	None	No	0.01	NP (NDs)
Arsenic (mg/L)	B-104D	0.002881	0.001519	0.01	No	4	0.0036	0.001635	50	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	B-111D	0.003281	0.001919	0.01	No	4	0.0038	0.001407	50	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	B-56	0.0047	0.003	0.01	No	4	0.0035	0.0008042	0	None	No	0.0625	NP (normality)
Arsenic (mg/L)	B-77	0.002882	0.001869	0.01	No	6	0.003233	0.001409	33.33	Kaplan-Meier	ln(x)	0.01	Param.
Arsenic (mg/L)	B-93	0.003589	0.0004108	0.01	No	4	0.0035	0.001824	50	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	DGWC-10	0.00717	0.003601	0.01	No	14	0.005386	0.002519	7.143	None	No	0.01	Param.
Arsenic (mg/L)	DGWC-12	0.005	0.00063	0.01	No	16	0.004452	0.001498	87.5	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-14	0.005	0.00039	0.01	No	15	0.004693	0.00119	93.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-15	0.005	0.0013	0.01	No	15	0.004169	0.001726	80	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-17	0.005	0.0008	0.01	No	15	0.003395	0.002042	60	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-19	0.002035	0.0009847	0.01	No	15	0.002317	0.001551	20	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	DGWC-2	0.005	0.0025	0.01	No	15	0.004566	0.00118	86.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-20	0.01666	0.007499	0.01	No	15	0.01208	0.006761	0	None	No	0.01	Param.
Arsenic (mg/L)	DGWC-22	0.005	0.001	0.01	No	15	0.004733	0.001033	93.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-4	0.005	0.0008	0.01	No	14	0.004057	0.001875	78.57	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-42	0.005	0.0011	0.01	No	15	0.004453	0.001445	86.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-47	0.002647	0.001328	0.01	No	15	0.002627	0.001504	20	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	DGWC-48	0.005	0.0008	0.01	No	15	0.003206	0.002005	53.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-5	0.0118	0.002817	0.01	No	14	0.008443	0.009971	14.29	None	x^(1/3)	0.01	Param.
Arsenic (mg/L)	DGWC-8	0.005	0.0012	0.01	No	14	0.00369	0.001839	64.29	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-9	0.03003	0.0172	0.01	Yes	15	0.02361	0.009468	6.667	None	No	0.01	Param.
Barium (mg/L)	B-100	0.022	0.015	2	No	4	0.02	0.003367	0	None	No	0.0625	NP (selected)
Barium (mg/L)	B-102D	0.02571	0.01829	2	No	4	0.022	0.001633	0	None	No	0.01	Param.
Barium (mg/L)	B-104D	0.026	0.021	2	No	4	0.0225	0.00238	0	None	No	0.0625	NP (normality)
Barium (mg/L)	B-111D	0.05204	0.01546	2	No	4	0.03375	0.008057	0	None	No	0.01	Param.
Barium (mg/L)	B-56	0.03185	0.02315	2	No	4	0.0275	0.001915	0	None	No	0.01	Param.
Barium (mg/L)	B-62	0.02758	0.01985	2	No	7	0.02371	0.003251	0	None	No	0.01	Param.
Barium (mg/L)	B-63	0.03208	0.01592	2	No	4	0.024	0.003559	0	None	No	0.01	Param.
Barium (mg/L)	B-66	0.01942	0.01508	2	No	4	0.01725	0.0009574	0	None	No	0.01	Param.
Barium (mg/L)	B-77	0.1255	0.08983	2	No	6	0.1077	0.01299	0	None	No	0.01	Param.

State Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	B-82	0.03301	0.01899	2	No	5	0.026	0.004183	0	None	No	0.01	Param.
Barium (mg/L)	B-83	0.05537	0.02029	2	No	5	0.0358	0.01158	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	B-88	0.02418	-0.01405	2	No	4	0.02025	0.002872	0	None	x^5	0.01	Param.
Barium (mg/L)	B-93	0.01892	0.01458	2	No	4	0.01675	0.0009574	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-10	0.02962	0.02305	2	No	14	0.02634	0.004637	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-11	0.06644	0.05633	2	No	14	0.06139	0.007138	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-12	0.03199	0.02415	2	No	16	0.02824	0.006231	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	DGWC-13	0.03292	0.02732	2	No	14	0.02908	0.007369	7.143	None	x^3	0.01	Param.
Barium (mg/L)	DGWC-14	0.06261	0.05787	2	No	15	0.06024	0.003493	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-15	0.05073	0.0443	2	No	15	0.04751	0.004744	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-17	0.05635	0.04167	2	No	15	0.04901	0.01083	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-19	0.02541	0.02177	2	No	15	0.02359	0.002686	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-2	0.02268	0.02132	2	No	15	0.022	0.001	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-20	0.01537	0.009179	2	No	15	0.01227	0.004566	6.667	None	No	0.01	Param.
Barium (mg/L)	DGWC-21	0.0272	0.024	2	No	15	0.02596	0.001505	0	None	No	0.01	NP (normality)
Barium (mg/L)	DGWC-22	0.03773	0.03193	2	No	15	0.03483	0.004281	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-23	0.0236	0.01844	2	No	15	0.02113	0.004092	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	DGWC-4	0.03617	0.0322	2	No	14	0.03419	0.002802	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-42	0.0205	0.01622	2	No	15	0.01836	0.003153	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-47	0.01975	0.01597	2	No	15	0.01786	0.002794	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-48	0.01436	0.01298	2	No	15	0.01367	0.001016	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-5	0.01834	0.01649	2	No	13	0.01742	0.001247	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-8	0.03806	0.02666	2	No	14	0.03236	0.008048	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-9	0.01623	0.01484	2	No	15	0.01553	0.00103	0	None	No	0.01	Param.
Beryllium (mg/L)	B-100	0.0006113	0.0002587	0.004	No	4	0.000435	0.00007767	0	None	No	0.01	Param.
Beryllium (mg/L)	B-102D	0.001543	0.0009569	0.004	No	4	0.00125	0.0001291	0	None	No	0.01	Param.
Beryllium (mg/L)	B-104D	0.001785	0.0009153	0.004	No	4	0.00135	0.0001915	0	None	No	0.01	Param.
Beryllium (mg/L)	B-56	0.001385	0.001015	0.004	No	4	0.0012	0.00008165	0	None	No	0.01	Param.
Beryllium (mg/L)	B-62	0.0005	0.000078	0.004	No	8	0.0002085	0.000181	25	None	No	0.004	NP (normality)
Beryllium (mg/L)	B-63	0.0004803	0.0003037	0.004	No	6	0.00041	0.00007797	16.67	Kaplan-Meier	No	0.01	Param.
Beryllium (mg/L)	B-77	0.0001464	0.00004658	0.004	No	6	0.0002267	0.0002142	33.33	Kaplan-Meier	ln(x)	0.01	Param.
Beryllium (mg/L)	B-82	0.001807	0.001073	0.004	No	5	0.00144	0.0002191	0	None	No	0.01	Param.
Beryllium (mg/L)	B-83	0.0006999	0.0001718	0.004	No	5	0.000404	0.000173	0	None	sqrt(x)	0.01	Param.
Beryllium (mg/L)	B-88	0.005	0.00063	0.004	No	4	0.002008	0.00202	0	None	No	0.0625	NP (selected)
Beryllium (mg/L)	B-93	0.01805	0.006467	0.004	Yes	5	0.01378	0.003942	0	None	x^3	0.01	Param.
Beryllium (mg/L)	B-97	0.0019	0.0015	0.004	No	4	0.001725	0.0002062	25	None	No	0.0625	NP (selected)
Beryllium (mg/L)	B-98	0.00087	0.0005	0.004	No	4	0.0005925	0.000185	75	None	No	0.0625	NP (NDs)
Beryllium (mg/L)	DGWC-10	0.009208	0.005678	0.004	Yes	14	0.007443	0.002492	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-11	0.003	0.00013	0.004	No	14	0.0004964	0.0007432	50	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-12	0.00049	0.00011	0.004	No	16	0.0003943	0.0007051	12.5	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-13	0.003	0.00007	0.004	No	14	0.0005256	0.000742	64.29	None	No	0.01	NP (NDs)
Beryllium (mg/L)	DGWC-15	0.003	0.00022	0.004	No	15	0.0006185	0.0006715	86.67	None	No	0.01	NP (NDs)
Beryllium (mg/L)	DGWC-17	0.0006188	0.0005265	0.004	No	15	0.0005727	0.00006808	13.33	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-19	0.0021	0.0017	0.004	No	15	0.001907	0.0004978	13.33	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-20	0.004866	0.002215	0.004	No	15	0.003673	0.002056	13.33	None	sqrt(x)	0.01	Param.
Beryllium (mg/L)	DGWC-21	0.0005	0.0001	0.004	No	15	0.000374	0.0007325	13.33	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-22	0.0005	0.00014	0.004	No	15	0.000376	0.0007316	13.33	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-23	0.0005	0.00038	0.004	No	15	0.000618	0.0006665	13.33	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-4	0.00028	0.00019	0.004	No	14	0.0004279	0.0007463	14.29	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-42	0.002738	0.002049	0.004	No	15	0.002333	0.0006576	6.667	None	x^2	0.01	Param.
Beryllium (mg/L)	DGWC-47	0.01281	0.009018	0.004	Yes	15	0.01091	0.002797	0	None	No	0.01	Param.

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Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Beryllium (mg/L)	DGWC-48	0.009234	0.007526	0.004	Yes	15	0.00838	0.00126	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-5	0.008688	0.006197	0.004	Yes	14	0.007443	0.001758	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-8	0.003201	0.001685	0.004	No	14	0.002443	0.00107	7.143	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-9	0.005896	0.004931	0.004	Yes	15	0.005413	0.000712	0	None	No	0.01	Param.
Cadmium (mg/L)	B-100	0.00059	0.00027	0.005	No	4	0.000355	0.000157	0	None	No	0.0625	NP (normality)
Cadmium (mg/L)	B-102D	0.0009243	0.0006021	0.005	No	4	0.0007775	0.00007274	0	None	x^2	0.01	Param.
Cadmium (mg/L)	B-56	0.0003178	0.0002172	0.005	No	4	0.0002675	0.00002217	0	None	No	0.01	Param.
Cadmium (mg/L)	B-63	0.0003199	0.00007013	0.005	No	4	0.0003475	0.0001817	50	Kaplan-Meier	No	0.01	Param.
Cadmium (mg/L)	B-82	0.0007939	0.0002981	0.005	No	5	0.000546	0.0001479	0	None	No	0.01	Param.
Cadmium (mg/L)	B-83	0.0004307	0.0002333	0.005	No	5	0.000332	0.00005891	0	None	No	0.01	Param.
Cadmium (mg/L)	B-88	0.008758	-0.003848	0.005	No	4	0.002455	0.002776	0	None	No	0.01	Param.
Cadmium (mg/L)	B-93	0.0009316	0.0006384	0.005	No	4	0.000785	0.00006455	0	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-10	0.001207	0.0008102	0.005	No	14	0.001009	0.0002801	0	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-11	0.0005	0.00016	0.005	No	14	0.0004221	0.0001549	78.57	None	No	0.01	NP (NDs)
Cadmium (mg/L)	DGWC-12	0.0003426	0.0002257	0.005	No	16	0.0003944	0.0001917	25	Kaplan-Meier	sqrt(x)	0.01	Param.
Cadmium (mg/L)	DGWC-13	0.0005	0.0002	0.005	No	14	0.0004486	0.0001328	85.71	Kaplan-Meier	No	0.01	NP (NDs)
Cadmium (mg/L)	DGWC-15	0.001	0.00012	0.005	No	15	0.0004287	0.0002377	73.33	Kaplan-Meier	No	0.01	NP (NDs)
Cadmium (mg/L)	DGWC-17	0.00033	0.00023	0.005	No	15	0.0002987	0.00009062	13.33	None	No	0.01	NP (normality)
Cadmium (mg/L)	DGWC-19	0.0005	0.00034	0.005	No	15	0.0004207	0.0001665	13.33	None	No	0.01	NP (normality)
Cadmium (mg/L)	DGWC-2	0.0002846	0.0001314	0.005	No	15	0.0003667	0.0002335	33.33	Kaplan-Meier	sqrt(x)	0.01	Param.
Cadmium (mg/L)	DGWC-20	0.002238	0.001722	0.005	No	15	0.00198	0.0003802	0	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-21	0.0007418	0.0004675	0.005	No	15	0.0006047	0.0002024	13.33	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-22	0.0007017	0.0004543	0.005	No	15	0.000578	0.0001826	13.33	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-23	0.0003	0.00019	0.005	No	15	0.0002967	0.0002115	13.33	None	No	0.01	NP (normality)
Cadmium (mg/L)	DGWC-4	0.0008282	0.0006103	0.005	No	14	0.0007193	0.0001538	14.29	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-42	0.001109	0.0004679	0.005	No	15	0.0008233	0.0005572	13.33	None	sqrt(x)	0.01	Param.
Cadmium (mg/L)	DGWC-47	0.002181	0.001246	0.005	No	15	0.001713	0.0006896	0	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-48	0.0042	0.0025	0.005	No	15	0.003527	0.001682	0	None	No	0.01	NP (normality)
Cadmium (mg/L)	DGWC-5	0.0008175	0.0004382	0.005	No	14	0.0006279	0.0002677	14.29	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-8	0.002516	0.00197	0.005	No	14	0.002243	0.0003857	0	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-9	0.0006732	0.0005032	0.005	No	15	0.0005927	0.0001373	13.33	None	x^(1/3)	0.01	Param.
Chromium (mg/L)	B-100	0.001223	0.0003828	0.1	No	4	0.002877	0.002456	50	Kaplan-Meier	sqrt(x)	0.01	Param.
Chromium (mg/L)	B-104D	0.005	0.0011	0.1	No	4	0.004025	0.00195	75	Kaplan-Meier	No	0.0625	NP (NDs)
Chromium (mg/L)	B-56	0.001914	0.00007551	0.1	No	4	0.002997	0.002336	50	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	B-62	0.005	0.00098	0.1	No	7	0.004426	0.001519	85.71	Kaplan-Meier	No	0.008	NP (NDs)
Chromium (mg/L)	B-63	0.005	0.00064	0.1	No	4	0.00391	0.00218	75	Kaplan-Meier	No	0.0625	NP (NDs)
Chromium (mg/L)	B-77	0.001858	0.0005328	0.1	No	6	0.00241	0.002072	33.33	Kaplan-Meier	ln(x)	0.01	Param.
Chromium (mg/L)	B-82	0.005	0.0011	0.1	No	5	0.00422	0.001744	80	Kaplan-Meier	No	0.031	NP (NDs)
Chromium (mg/L)	B-83	0.0051	0.0017	0.1	No	5	0.00394	0.001524	0	None	No	0.031	NP (selected)
Chromium (mg/L)	B-88	0.002116	0.0005176	0.1	No	4	0.002237	0.001875	25	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	B-93	0.005	0.00057	0.1	No	4	0.002807	0.002532	50	None	No	0.0625	NP (normality)
Chromium (mg/L)	DGWC-10	0.005	0.00078	0.1	No	14	0.002321	0.002074	35.71	None	No	0.01	NP (normality)
Chromium (mg/L)	DGWC-11	0.005	0.0006	0.1	No	14	0.003742	0.002064	71.43	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-12	0.005	0.00099	0.1	No	16	0.004496	0.001378	87.5	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-13	0.005	0.00074	0.1	No	14	0.003778	0.002006	71.43	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-15	0.01	0.00058	0.1	No	15	0.004423	0.002397	73.33	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-17	0.0035	0.0024	0.1	No	15	0.003047	0.0008651	13.33	None	No	0.01	NP (normality)
Chromium (mg/L)	DGWC-19	0.005	0.0023	0.1	No	15	0.00342	0.002022	20	None	No	0.01	NP (normality)
Chromium (mg/L)	DGWC-2	0.005	0.0005	0.1	No	15	0.003211	0.002268	60	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-20	0.002136	0.001443	0.1	No	15	0.003467	0.002385	40	Kaplan-Meier	ln(x)	0.01	Param.
Chromium (mg/L)	DGWC-21	0.005	0.0005	0.1	No	15	0.00333	0.002148	60	Kaplan-Meier	No	0.01	NP (NDs)

State Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	DGWC-22	0.005	0.0012	0.1	No	15	0.004747	0.0009812	93.33	Kaplan-Meier	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-23	0.005	0.0005	0.1	No	15	0.002187	0.002075	33.33	None	No	0.01	NP (normality)
Chromium (mg/L)	DGWC-4	0.005	0.0005	0.1	No	14	0.004679	0.001203	92.86	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-42	0.005	0.0005	0.1	No	15	0.003082	0.002157	53.33	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-47	0.005	0.0007	0.1	No	15	0.004713	0.00111	93.33	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-48	0.005	0.0007	0.1	No	15	0.004407	0.001567	86.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-5	0.005	0.00045	0.1	No	14	0.004675	0.001216	92.86	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-8	0.005	0.00086	0.1	No	14	0.003391	0.002002	57.14	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-9	0.0057	0.00059	0.1	No	15	0.003593	0.002173	60	None	No	0.01	NP (NDs)
Cobalt (mg/L)	B-100	0.087	0.029	0.032	No	6	0.058	0.02804	0	None	No	0.0155	NP (selected)
Cobalt (mg/L)	B-102D	0.01585	0.01215	0.032	No	4	0.014	0.0008165	0	None	No	0.01	Param.
Cobalt (mg/L)	B-104D	0.2361	-0.01451	0.032	No	4	0.1625	0.04272	0	None	x^2	0.01	Param.
Cobalt (mg/L)	B-111D	0.0009228	0.0004439	0.032	No	4	0.00112	0.0009256	25	Kaplan-Meier	x^(1/3)	0.01	Param.
Cobalt (mg/L)	B-56	0.05421	0.03629	0.032	Yes	4	0.04525	0.003948	0	None	No	0.01	Param.
Cobalt (mg/L)	B-62	0.0025	0.0003	0.032	No	7	0.001873	0.001071	71.43	None	No	0.008	NP (NDs)
Cobalt (mg/L)	B-63	0.0547	0.0353	0.032	Yes	5	0.045	0.005788	0	None	No	0.01	Param.
Cobalt (mg/L)	B-66	0.01241	0.003754	0.032	No	5	0.00758	0.003665	20	Kaplan-Meier	No	0.01	Param.
Cobalt (mg/L)	B-77	0.0031	0.0004	0.032	No	6	0.001817	0.0009725	16.67	None	No	0.0155	NP (selected)
Cobalt (mg/L)	B-82	0.007804	0.0003291	0.032	No	6	0.004067	0.002721	0	None	No	0.01	Param.
Cobalt (mg/L)	B-83	0.021	0.0073	0.032	No	5	0.01344	0.005791	0	None	No	0.031	NP (selected)
Cobalt (mg/L)	B-88	0.022	0.0015	0.032	No	5	0.00928	0.009906	0	None	No	0.031	NP (selected)
Cobalt (mg/L)	B-93	0.069	0.0594	0.032	Yes	5	0.0642	0.002864	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-10	0.1888	0.1413	0.032	Yes	14	0.1537	0.04866	0	None	x^4	0.01	Param.
Cobalt (mg/L)	DGWC-11	0.0025	0.0006	0.032	No	14	0.001481	0.0009221	42.86	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-12	0.013	0.0021	0.032	No	16	0.008125	0.009711	12.5	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-13	0.0025	0.0005	0.032	No	14	0.002056	0.0008832	78.57	None	No	0.01	NP (NDs)
Cobalt (mg/L)	DGWC-15	0.0028	0.0016	0.032	No	15	0.003653	0.005947	6.667	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-17	0.02716	0.02022	0.032	No	15	0.02313	0.00641	6.667	None	x^2	0.01	Param.
Cobalt (mg/L)	DGWC-19	0.05331	0.04925	0.032	Yes	15	0.05128	0.002996	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-2	0.0284	0.0062	0.032	No	15	0.01761	0.01155	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-20	0.6394	0.4659	0.032	Yes	15	0.5575	0.1355	0	None	x^(1/3)	0.01	Param.
Cobalt (mg/L)	DGWC-21	0.009773	0.008552	0.032	No	15	0.00862	0.002141	13.33	None	x^6	0.01	Param.
Cobalt (mg/L)	DGWC-22	0.009945	0.007492	0.032	No	15	0.008533	0.002244	13.33	None	x^2	0.01	Param.
Cobalt (mg/L)	DGWC-23	0.005	0.00039	0.032	No	15	0.00183	0.001357	60	None	No	0.01	NP (NDs)
Cobalt (mg/L)	DGWC-4	0.0021	0.0015	0.032	No	14	0.002021	0.000904	14.29	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-42	0.04451	0.01723	0.032	No	15	0.03087	0.02013	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-47	0.3858	0.253	0.032	Yes	15	0.3194	0.09792	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-48	0.5073	0.402	0.032	Yes	15	0.4547	0.07771	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-5	0.04	0.02	0.032	No	14	0.02794	0.01109	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-8	0.0878	0.04412	0.032	Yes	14	0.06596	0.03083	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-9	0.201	0.1437	0.032	Yes	15	0.1724	0.04231	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-100	1.4	0.168	5.61	No	4	0.7853	0.5031	0	None	No	0.0625	NP (selected)
Combined Radium 226 + 228 (pCi/L)	B-102D	1.74	0.635	5.61	No	4	1.096	0.4956	0	None	No	0.0625	NP (selected)
Combined Radium 226 + 228 (pCi/L)	B-104D	21.26	6.892	5.61	Yes	4	14.08	3.164	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-111D	16.31	1.377	5.61	No	4	8.843	3.288	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-56	1.617	0.5846	5.61	No	4	1.101	0.2275	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-62	2.02	1.173	5.61	No	6	1.597	0.3082	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-77	2.17	0.617	5.61	No	5	1.516	0.7658	0	None	No	0.031	NP (selected)
Combined Radium 226 + 228 (pCi/L)	B-82	1.18	0.3541	5.61	No	4	0.7673	0.182	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-83	1.15	0.0359	5.61	No	5	0.674	0.4409	0	None	No	0.031	NP (selected)
Combined Radium 226 + 228 (pCi/L)	B-88	2.84	0.771	5.61	No	4	1.752	1.056	0	None	No	0.0625	NP (selected)

State Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:30 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-93	2.371	0.3074	5.61	No 4	1.339	0.4544	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-10	1.497	1.071	5.61	No 15	1.284	0.314	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-11	1.272	0.6667	5.61	No 15	0.9694	0.4467	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-12	1.27	0.4013	5.61	No 15	0.8984	0.714	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-13	1.484	1.036	5.61	No 15	1.26	0.3303	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-14	1.103	0.6919	5.61	No 15	0.8972	0.303	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-15	1.553	0.551	5.61	No 15	1.118	0.8748	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-17	1.05	0.5723	5.61	No 15	0.8113	0.3526	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-19	1.04	0.5062	5.61	No 15	0.7733	0.3942	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-2	1.444	0.8924	5.61	No 15	1.168	0.4067	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-20	1.543	0.8767	5.61	No 15	1.21	0.4913	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-21	1.125	0.5866	5.61	No 15	0.8557	0.3972	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-22	1.364	0.733	5.61	No 15	1.049	0.4659	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-23	1.489	0.7765	5.61	No 15	1.133	0.5259	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-4	1.721	1.187	5.61	No 15	1.454	0.3939	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-42	1.169	0.7309	5.61	No 15	0.9499	0.3231	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-47	2.903	1.785	5.61	No 15	2.344	0.8249	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-48	2.415	1.602	5.61	No 15	2.03	0.6435	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-5	1.839	1.024	5.61	No 15	1.431	0.6015	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-8	0.841	0.4794	5.61	No 15	0.6602	0.2668	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-9	1.439	0.9531	5.61	No 15	1.196	0.3583	0	None	No	0.01	Param.
Fluoride, total (mg/L)	B-102D	0.11	0.077	4	No 4	0.08725	0.01537	0	None	No	0.0625	NP (normality)
Fluoride, total (mg/L)	B-104D	0.5774	0.2326	4	No 4	0.405	0.07594	0	None	No	0.01	Param.
Fluoride, total (mg/L)	B-111D	0.7199	0.1451	4	No 4	0.4325	0.1266	0	None	No	0.01	Param.
Fluoride, total (mg/L)	B-56	0.34	0.098	4	No 4	0.207	0.09985	0	None	No	0.0625	NP (selected)
Fluoride, total (mg/L)	B-62	0.3546	0.06003	4	No 6	0.1855	0.1295	0	None	x^(1/3)	0.01	Param.
Fluoride, total (mg/L)	B-77	0.1	0.078	4	No 5	0.0948	0.00955	60	None	No	0.031	NP (NDs)
Fluoride, total (mg/L)	B-82	0.2	0.052	4	No 4	0.113	0.06226	50	None	No	0.0625	NP (selected)
Fluoride, total (mg/L)	B-83	0.1232	0.02857	4	No 5	0.0834	0.0317	20	Kaplan-Meier	No	0.01	Param.
Fluoride, total (mg/L)	B-93	0.3685	0.2815	4	No 4	0.325	0.01915	0	None	No	0.01	Param.
Fluoride, total (mg/L)	DGWC-10	1.862	1.347	4	No 16	1.604	0.3955	0	None	No	0.01	Param.
Fluoride, total (mg/L)	DGWC-11	0.1	0.052	4	No 15	0.0804	0.0261	60	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-12	0.1641	0.05529	4	No 16	0.1588	0.1448	37.5	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride, total (mg/L)	DGWC-13	0.2134	0.08589	4	No 15	0.157	0.1093	6.667	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	DGWC-14	0.1	0.052	4	No 16	0.08588	0.02643	68.75	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-15	0.11	0.079	4	No 16	0.1054	0.04361	62.5	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-17	0.2722	0.09774	4	No 16	0.2039	0.1552	12.5	None	x^(1/3)	0.01	Param.
Fluoride, total (mg/L)	DGWC-19	0.5135	0.1749	4	No 16	0.3713	0.313	6.25	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	DGWC-2	0.28	0.052	4	No 16	0.1429	0.1586	37.5	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	DGWC-20	0.9494	0.4006	4	No 16	0.675	0.4218	6.25	None	No	0.01	Param.
Fluoride, total (mg/L)	DGWC-21	0.14	0.07	4	No 16	0.107	0.06664	62.5	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-22	0.13	0.09	4	No 16	0.1185	0.06532	50	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	DGWC-23	0.2262	0.09243	4	No 16	0.1852	0.1558	6.25	None	ln(x)	0.01	Param.
Fluoride, total (mg/L)	DGWC-4	0.17	0.082	4	No 16	0.1364	0.1776	68.75	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-42	0.1	0.06	4	No 16	0.0925	0.02176	87.5	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-47	1.146	0.5167	4	No 16	0.8313	0.4835	0	None	No	0.01	Param.
Fluoride, total (mg/L)	DGWC-48	1.19	0.6114	4	No 16	0.9006	0.4445	0	None	No	0.01	Param.
Fluoride, total (mg/L)	DGWC-5	0.7808	0.2378	4	No 15	0.5667	0.4567	6.667	None	x^(1/3)	0.01	Param.
Fluoride, total (mg/L)	DGWC-8	0.4095	0.1193	4	No 15	0.2868	0.2338	13.33	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	DGWC-9	1.391	0.9657	4	No 16	1.178	0.3265	0	None	No	0.01	Param.
Lead (mg/L)	B-100	0.0003036	0.00005528	0.001	No 4	0.0003695	0.0004235	25	Kaplan-Meier	sqrt(x)	0.01	Param.

State Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lead (mg/L)	B-102D	0.001	0.000037	0.001	No	4	0.0002865	0.0004758	25	None	No	0.0625	NP (normality)
Lead (mg/L)	B-104D	0.001	0.000051	0.001	No	4	0.0007628	0.0004745	75	None	No	0.0625	NP (NDs)
Lead (mg/L)	B-111D	0.001	0.000051	0.001	No	4	0.0005273	0.0005459	50	None	No	0.0625	NP (normality)
Lead (mg/L)	B-56	0.0002854	0.00003627	0.001	No	4	0.0003528	0.0004355	25	Kaplan-Meier	sqrt(x)	0.01	Param.
Lead (mg/L)	B-63	0.001	0.000047	0.001	No	4	0.00053	0.0005428	50	None	No	0.0625	NP (normality)
Lead (mg/L)	B-77	0.0016	0.00021	0.001	No	6	0.0007367	0.000554	33.33	None	No	0.0155	NP (selected)
Lead (mg/L)	B-82	0.0001911	0.00004858	0.001	No	5	0.0004658	0.000489	40	Kaplan-Meier	x^(1/3)	0.01	Param.
Lead (mg/L)	B-83	0.001	0.000065	0.001	No	5	0.000455	0.0004634	20	None	No	0.031	NP (selected)
Lead (mg/L)	B-88	0.02767	0.00004865	0.001	No	4	0.00354	0.005647	25	Kaplan-Meier	ln(x)	0.01	Param.
Lead (mg/L)	B-93	0.001	0.00012	0.001	No	4	0.00056	0.0005081	50	None	No	0.0625	NP (normality)
Lead (mg/L)	DGWC-10	0.001	0.00011	0.001	No	14	0.0006273	0.0004481	57.14	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-11	0.001	0.0001	0.001	No	14	0.0006785	0.0004481	64.29	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-12	0.001	0.00011	0.001	No	16	0.0008881	0.0003057	87.5	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-13	0.001	0.0002	0.001	No	14	0.0008784	0.0003097	85.71	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-14	0.001	0.000096	0.001	No	15	0.0008149	0.0003834	80	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-15	0.0012	0.0001	0.001	No	15	0.0007161	0.0004487	60	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-17	0.001	0.00009	0.001	No	15	0.0005862	0.0004585	53.33	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-19	0.001	0.00007	0.001	No	15	0.0007059	0.0004334	66.67	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-2	0.001	0.000086	0.001	No	15	0.0005156	0.0004693	46.67	None	No	0.01	NP (normality)
Lead (mg/L)	DGWC-20	0.001	0.00015	0.001	No	15	0.0007311	0.0003691	60	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-21	0.001	0.00014	0.001	No	15	0.0006177	0.0004296	53.33	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-23	0.001	0.000066	0.001	No	15	0.0009377	0.0002412	93.33	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-4	0.001	0.00012	0.001	No	14	0.0007478	0.0004149	71.43	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-42	0.0004678	0.0001549	0.001	No	15	0.0008147	0.001228	20	Kaplan-Meier	ln(x)	0.01	Param.
Lead (mg/L)	DGWC-47	0.0011	0.00053	0.001	No	15	0.001081	0.001106	26.67	None	No	0.01	NP (normality)
Lead (mg/L)	DGWC-48	0.0022	0.00095	0.001	No	15	0.001664	0.001169	13.33	None	No	0.01	NP (normality)
Lead (mg/L)	DGWC-5	0.001	0.000051	0.001	No	14	0.0005984	0.0006777	35.71	None	No	0.01	NP (normality)
Lead (mg/L)	DGWC-8	0.001	0.00011	0.001	No	14	0.0006273	0.0004132	50	None	No	0.01	NP (normality)
Lead (mg/L)	DGWC-9	0.001	0.00028	0.001	No	15	0.00084	0.0003323	80	None	No	0.01	NP (NDs)
Lithium (mg/L)	B-100	0.003519	0.0007815	0.03	No	4	0.00215	0.0006028	0	None	No	0.01	Param.
Lithium (mg/L)	B-102D	0.01666	0.009844	0.03	No	4	0.01325	0.0015	0	None	No	0.01	Param.
Lithium (mg/L)	B-104D	0.04121	0.03479	0.03	Yes	4	0.038	0.001414	0	None	No	0.01	Param.
Lithium (mg/L)	B-111D	0.029	0.021	0.03	No	4	0.02475	0.004349	0	None	No	0.0625	NP (selected)
Lithium (mg/L)	B-56	0.005968	0.004632	0.03	No	4	0.0053	0.0002944	0	None	No	0.01	Param.
Lithium (mg/L)	B-62	0.015	0.0078	0.03	No	7	0.0094	0.002532	14.29	None	No	0.008	NP (normality)
Lithium (mg/L)	B-63	0.015	0.0062	0.03	No	5	0.00812	0.003849	20	None	No	0.031	NP (normality)
Lithium (mg/L)	B-77	0.015	0.00095	0.03	No	6	0.004525	0.005339	16.67	None	No	0.0155	NP (selected)
Lithium (mg/L)	B-82	0.0039	0.001	0.03	No	5	0.00222	0.001422	0	None	No	0.031	NP (selected)
Lithium (mg/L)	B-83	0.004551	0.0009685	0.03	No	5	0.00276	0.001069	0	None	No	0.01	Param.
Lithium (mg/L)	B-88	0.029	0.0016	0.03	No	4	0.009575	0.01311	0	None	No	0.0625	NP (selected)
Lithium (mg/L)	B-93	0.012	0.011	0.03	No	4	0.01125	0.0005	0	None	No	0.0625	NP (normality)
Lithium (mg/L)	DGWC-10	0.006793	0.002702	0.03	No	14	0.005343	0.004279	14.29	None	ln(x)	0.01	Param.
Lithium (mg/L)	DGWC-11	0.0028	0.0019	0.03	No	14	0.003186	0.003418	7.143	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-12	0.015	0.0011	0.03	No	16	0.01064	0.006685	68.75	None	No	0.01	NP (NDs)
Lithium (mg/L)	DGWC-13	0.0036	0.0029	0.03	No	14	0.004879	0.004297	14.29	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-14	0.0044	0.0032	0.03	No	15	0.00472	0.003078	6.667	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-15	0.0066	0.0058	0.03	No	14	0.00625	0.0008465	0	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-17	0.015	0.00096	0.03	No	15	0.009434	0.007057	60	None	No	0.01	NP (NDs)
Lithium (mg/L)	DGWC-19	0.0035	0.003	0.03	No	15	0.003993	0.003053	6.667	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-2	0.085	0.023	0.03	No	15	0.04906	0.03031	6.667	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-20	0.012	0.0021	0.03	No	15	0.006407	0.005611	6.667	None	No	0.01	NP (normality)

State Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lithium (mg/L)	DGWC-21	0.0065	0.0057	0.03	No	15	0.00656	0.00236	6.667	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-22	0.0046	0.0037	0.03	No	15	0.00484	0.002836	6.667	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-23	0.01279	0.003816	0.03	No	15	0.01165	0.01832	6.667	None	ln(x)	0.01	Param.
Lithium (mg/L)	DGWC-4	0.0035	0.0025	0.03	No	14	0.003786	0.003256	7.143	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-42	0.01268	0.01007	0.03	No	15	0.01137	0.001928	6.667	None	No	0.01	Param.
Lithium (mg/L)	DGWC-47	0.07457	0.05787	0.03	Yes	15	0.06622	0.01232	0	None	No	0.01	Param.
Lithium (mg/L)	DGWC-48	0.1269	0.106	0.03	Yes	15	0.1165	0.01544	0	None	No	0.01	Param.
Lithium (mg/L)	DGWC-5	0.008199	0.004206	0.03	No	14	0.006343	0.003062	7.143	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	DGWC-8	0.0072	0.0045	0.03	No	14	0.006036	0.002823	7.143	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-9	0.02931	0.02328	0.03	No	15	0.02629	0.004445	6.667	None	No	0.01	Param.
Mercury (mg/L)	B-104D	0.0002	0.000079	0.002	No	4	0.0001697	0.0000605	75	None	No	0.0625	NP (NDs)
Mercury (mg/L)	B-111D	0.0002	0.000094	0.002	No	4	0.0001735	0.000053	75	None	No	0.0625	NP (NDs)
Mercury (mg/L)	B-56	0.0002	0.00016	0.002	No	4	0.00019	0.00002	75	None	No	0.0625	NP (NDs)
Mercury (mg/L)	B-82	0.0002	0.00011	0.002	No	5	0.000182	0.00004025	80	None	No	0.031	NP (NDs)
Mercury (mg/L)	B-88	0.0002	0.0001	0.002	No	4	0.0001525	0.000055	50	None	No	0.0625	NP (normality)
Mercury (mg/L)	B-93	0.00036	0.00001396	0.002	No	4	0.000187	0.00007622	0	None	No	0.01	Param.
Mercury (mg/L)	DGWC-10	0.0002	0.000081	0.002	No	14	0.0001658	0.00005628	71.43	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-11	0.0002	0.00008	0.002	No	14	0.0001707	0.0000585	78.57	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-12	0.0002	0.00008	0.002	No	16	0.0001541	0.00006456	62.5	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-13	0.0002	0.00009	0.002	No	14	0.0001829	0.00004375	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-14	0.0002	0.00008	0.002	No	15	0.0001727	0.00005688	80	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-15	0.0002	0.00006	0.002	No	15	0.0001907	0.00003615	93.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-17	0.0002	0.00006	0.002	No	15	0.0001404	0.00006361	46.67	None	No	0.01	NP (normality)
Mercury (mg/L)	DGWC-19	0.0002	0.00009	0.002	No	15	0.000172	0.00005882	80	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-2	0.00064	0.000083	0.002	No	15	0.0002049	0.0001304	73.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-20	0.0002	0.00009	0.002	No	15	0.0001767	0.00004835	80	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-21	0.0002	0.00006	0.002	No	15	0.000158	0.00006327	66.67	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-22	0.0002	0.0001	0.002	No	15	0.0001677	0.00005729	73.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-23	0.0002053	0.0001241	0.002	No	15	0.0001853	0.0000573	26.67	Kaplan-Meier	No	0.01	Param.
Mercury (mg/L)	DGWC-4	0.00059	0.00013	0.002	No	14	0.0002059	0.0001192	71.43	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-42	0.0002	0.00004	0.002	No	15	0.0001893	0.00004131	93.33	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-48	0.0002	0.00006	0.002	No	15	0.0001907	0.00003615	93.33	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-5	0.0002402	0.0001202	0.002	No	14	0.0001924	0.0001175	14.29	None	ln(x)	0.01	Param.
Mercury (mg/L)	DGWC-8	0.0002	0.000079	0.002	No	14	0.0001494	0.00006312	57.14	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-9	0.00021	0.00013	0.002	No	15	0.0001881	0.00008736	46.67	None	No	0.01	NP (normality)
Molybdenum (mg/L)	B-104D	0.01	0.0012	0.041	No	4	0.0078	0.0044	75	None	No	0.0625	NP (NDs)
Molybdenum (mg/L)	B-111D	0.01817	0.002799	0.041	No	4	0.00765	0.003615	0	None	ln(x)	0.01	Param.
Molybdenum (mg/L)	B-66	0.01	0.0015	0.041	No	4	0.005825	0.004822	50	None	No	0.0625	NP (normality)
Molybdenum (mg/L)	B-88	0.01	0.0012	0.041	No	4	0.0056	0.005081	50	None	No	0.0625	NP (normality)
Molybdenum (mg/L)	DGWC-13	0.0262	0.01302	0.041	No	14	0.01961	0.009301	0	None	No	0.01	Param.
Molybdenum (mg/L)	DGWC-2	0.01	0.0018	0.041	No	15	0.005093	0.004167	40	None	No	0.01	NP (normality)
Molybdenum (mg/L)	DGWC-23	0.01117	0.00682	0.041	No	15	0.008993	0.003208	0	None	No	0.01	Param.
Molybdenum (mg/L)	DGWC-4	0.007258	0.004757	0.041	No	14	0.006007	0.001765	7.143	None	No	0.01	Param.
Selenium (mg/L)	B-100	0.005	0.0019	0.05	No	4	0.004225	0.00155	75	None	No	0.0625	NP (NDs)
Selenium (mg/L)	B-104D	0.004053	0.0006472	0.05	No	4	0.003675	0.001648	50	Kaplan-Meier	No	0.01	Param.
Selenium (mg/L)	B-111D	0.005	0.0022	0.05	No	4	0.0043	0.0014	75	None	No	0.0625	NP (NDs)
Selenium (mg/L)	B-56	0.029	0.011	0.05	No	4	0.016	0.008718	0	None	No	0.0625	NP (normality)
Selenium (mg/L)	B-77	0.005	0.0017	0.05	No	6	0.00445	0.001347	83.33	None	No	0.0155	NP (NDs)
Selenium (mg/L)	B-82	0.005	0.0016	0.05	No	5	0.00374	0.001734	60	None	No	0.031	NP (NDs)
Selenium (mg/L)	B-83	0.02981	0.006668	0.05	No	5	0.01824	0.006906	0	None	No	0.01	Param.
Selenium (mg/L)	B-88	0.004472	0.0007278	0.05	No	4	0.0026	0.0008246	0	None	No	0.01	Param.

State Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Selenium (mg/L)	B-93	0.036	0.0076	0.05	No	4	0.01788	0.01288	0	None	No	0.0625	NP (selected)
Selenium (mg/L)	DGWC-10	0.05289	0.02215	0.05	No	14	0.03752	0.0217	0	None	No	0.01	Param.
Selenium (mg/L)	DGWC-12	0.005	0.0017	0.05	No	16	0.003931	0.002266	56.25	None	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-13	0.004442	0.0019	0.05	No	14	0.004307	0.00244	21.43	Kaplan-Meier	No	0.01	Param.
Selenium (mg/L)	DGWC-14	0.01	0.0017	0.05	No	15	0.004227	0.002257	66.67	Kaplan-Meier	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-15	0.01	0.0018	0.05	No	15	0.00512	0.001582	93.33	Kaplan-Meier	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-17	0.009189	0.006423	0.05	No	15	0.007953	0.002359	13.33	None	ln(x)	0.01	Param.
Selenium (mg/L)	DGWC-19	0.008946	0.005774	0.05	No	15	0.00736	0.00234	13.33	None	No	0.01	Param.
Selenium (mg/L)	DGWC-2	0.0053	0.0045	0.05	No	15	0.005193	0.001557	46.67	None	No	0.01	NP (normality)
Selenium (mg/L)	DGWC-20	0.06742	0.0338	0.05	No	15	0.05061	0.02481	0	None	No	0.01	Param.
Selenium (mg/L)	DGWC-22	0.005	0.0017	0.05	No	15	0.00478	0.0008521	93.33	None	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-4	0.005	0.0014	0.05	No	14	0.004743	0.0009621	92.86	None	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-47	0.01301	0.005259	0.05	No	15	0.009133	0.005718	13.33	None	No	0.01	Param.
Selenium (mg/L)	DGWC-48	0.008046	0.003594	0.05	No	15	0.00582	0.003285	13.33	None	No	0.01	Param.
Selenium (mg/L)	DGWC-5	0.0457	0.00964	0.05	No	14	0.03263	0.04214	7.143	None	x^(1/3)	0.01	Param.
Selenium (mg/L)	DGWC-8	0.00408	0.002153	0.05	No	14	0.004586	0.002144	50	Kaplan-Meier	sqrt(x)	0.01	Param.
Selenium (mg/L)	DGWC-9	0.1308	0.05207	0.05	Yes	15	0.09144	0.0581	0	None	No	0.01	Param.
Thallium (mg/L)	B-56	0.0003212	0.0001238	0.002	No	4	0.0002225	0.00004349	0	None	No	0.01	Param.
Thallium (mg/L)	B-82	0.001	0.000099	0.002	No	5	0.0006418	0.0004905	60	None	No	0.031	NP (NDs)
Thallium (mg/L)	B-83	0.001	0.000072	0.002	No	5	0.0008144	0.000415	80	None	No	0.031	NP (NDs)
Thallium (mg/L)	B-88	0.001	0.0002	0.002	No	4	0.0008	0.0004	75	None	No	0.0625	NP (NDs)
Thallium (mg/L)	DGWC-10	0.0006	0.00036	0.002	No	14	0.0004907	0.0002285	14.29	None	No	0.01	NP (normality)
Thallium (mg/L)	DGWC-12	0.001	0.00009	0.002	No	16	0.0006042	0.0004636	56.25	None	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-17	0.001	0.00017	0.002	No	15	0.000398	0.0003761	26.67	None	No	0.01	NP (normality)
Thallium (mg/L)	DGWC-19	0.00059	0.00049	0.002	No	15	0.000544	0.0001384	6.667	None	No	0.01	NP (normality)
Thallium (mg/L)	DGWC-20	0.000988	0.0005219	0.002	No	15	0.000942	0.0004995	26.67	Kaplan-Meier	ln(x)	0.01	Param.
Thallium (mg/L)	DGWC-22	0.001	0.000064	0.002	No	15	0.0006889	0.0004554	66.67	Kaplan-Meier	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-4	0.001	0.000073	0.002	No	14	0.0009338	0.0002478	92.86	None	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-42	0.001	0.00009	0.002	No	15	0.0007559	0.000419	73.33	None	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-47	0.00036	0.0002	0.002	No	15	0.0003513	0.0002684	13.33	None	No	0.01	NP (normality)
Thallium (mg/L)	DGWC-48	0.001	0.00008	0.002	No	15	0.0006937	0.0004484	66.67	None	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-5	0.001	0.0002	0.002	No	14	0.00081	0.0003787	78.57	None	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-8	0.001	0.00019	0.002	No	14	0.0003886	0.0003356	21.43	None	No	0.01	NP (normality)
Thallium (mg/L)	DGWC-9	0.001	0.00043	0.002	No	15	0.0007027	0.0002443	33.33	None	No	0.01	NP (normality)

Appendix IV Trend Tests - Significant Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 3:01 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Beryllium (mg/L)	DGWA-70A (bg)	-0.0006733	-54	-53	Yes	15	53.33	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWC-47	-0.001263	-55	-53	Yes	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWA-53 (bg)	-0.005485	-77	-53	Yes	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-10	-0.02424	-58	-48	Yes	14	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-47	-0.05383	-76	-53	Yes	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-48	-0.04534	-87	-53	Yes	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-8	-0.01234	-55	-48	Yes	14	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-9	0.02407	66	53	Yes	15	0	n/a	n/a	0.01	NP
Lithium (mg/L)	DGWC-47	-0.006577	-65	-53	Yes	15	0	n/a	n/a	0.01	NP
Lithium (mg/L)	DGWC-48	-0.008187	-75	-53	Yes	15	0	n/a	n/a	0.01	NP

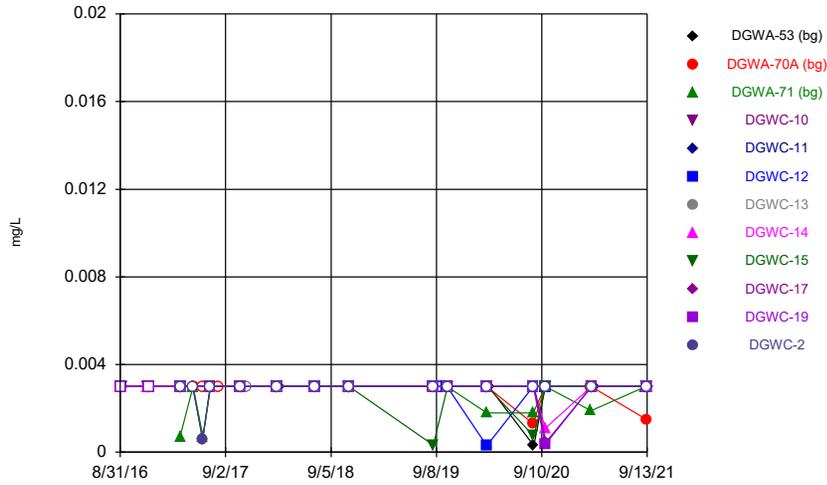
Appendix IV Trend Tests - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 3:01 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Arsenic (mg/L)	DGWA-53 (bg)	0	11	53	No	15	66.67	n/a	n/a	0.01	NP
Arsenic (mg/L)	DGWA-70A (bg)	0	-4	-53	No	15	93.33	n/a	n/a	0.01	NP
Arsenic (mg/L)	DGWA-71 (bg)	0	9	48	No	14	85.71	n/a	n/a	0.01	NP
Arsenic (mg/L)	DGWC-9	0.001503	18	53	No	15	6.667	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWA-53 (bg)	0	0	53	No	15	100	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWA-70A (bg)	-0.0006733	-54	-53	Yes	15	53.33	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWA-71 (bg)	-0.00002022	-33	-53	No	15	33.33	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWC-10	0.0006483	25	48	No	14	0	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWC-47	-0.001263	-55	-53	Yes	15	0	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWC-48	-0.0004177	-53	-53	No	15	0	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWC-5	0.0004286	25	48	No	14	0	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWC-9	0.0001134	20	53	No	15	0	n/a	n/a	0.01	NP
Beryllium (mg/L)	B-93	0.00406	5	12	No	5	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWA-53 (bg)	-0.005485	-77	-53	Yes	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWA-70A (bg)	0	-1	-53	No	15	46.67	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWA-71 (bg)	0	17	48	No	14	64.29	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-10	-0.02424	-58	-48	Yes	14	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-19	-0.0006109	-25	-53	No	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-20	0.02101	20	53	No	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-47	-0.05383	-76	-53	Yes	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-48	-0.04534	-87	-53	Yes	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-8	-0.01234	-55	-48	Yes	14	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-9	0.02407	66	53	Yes	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	B-56	0.004935	3	8	No	4	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	B-63	-0.004021	-5	-12	No	5	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	B-93	-0.003331	-6	-12	No	5	0	n/a	n/a	0.01	NP
Combined Radium 226 + 228 (pCi/L)	DGWA-53 (bg)	-0.6866	-53	-53	No	15	0	n/a	n/a	0.01	NP
Combined Radium 226 + 228 (pCi/L)	DGWA-70A (bg)	0.004235	0	58	No	16	0	n/a	n/a	0.01	NP
Combined Radium 226 + 228 (pCi/L)	DGWA-71 (bg)	0	0	53	No	15	0	n/a	n/a	0.01	NP
Combined Radium 226 + 228 (pCi/L)	B-104D	-8.273	-4	-8	No	4	0	n/a	n/a	0.01	NP
Lithium (mg/L)	DGWA-53 (bg)	-0.0001578	-13	-53	No	15	6.667	n/a	n/a	0.01	NP
Lithium (mg/L)	DGWA-70A (bg)	0	15	53	No	15	80	n/a	n/a	0.01	NP
Lithium (mg/L)	DGWA-71 (bg)	-0.0001648	-41	-48	No	14	21.43	n/a	n/a	0.01	NP
Lithium (mg/L)	DGWC-47	-0.006577	-65	-53	Yes	15	0	n/a	n/a	0.01	NP
Lithium (mg/L)	DGWC-48	-0.008187	-75	-53	Yes	15	0	n/a	n/a	0.01	NP
Lithium (mg/L)	B-104D	-0.004109	-5	-8	No	4	0	n/a	n/a	0.01	NP
Selenium (mg/L)	DGWA-53 (bg)	0	0	53	No	15	100	n/a	n/a	0.01	NP
Selenium (mg/L)	DGWA-70A (bg)	0	0	53	No	15	100	n/a	n/a	0.01	NP
Selenium (mg/L)	DGWA-71 (bg)	0	0	48	No	14	100	n/a	n/a	0.01	NP
Selenium (mg/L)	DGWC-9	0.006758	19	53	No	15	0	n/a	n/a	0.01	NP

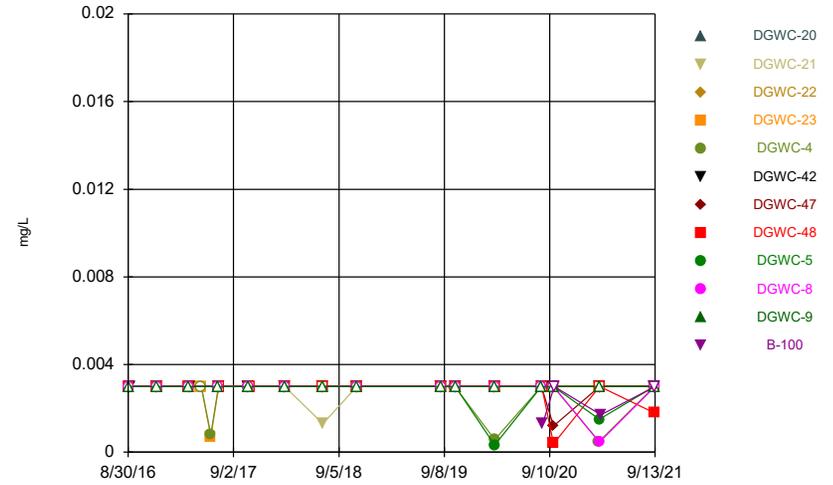
FIGURE A.

Time Series



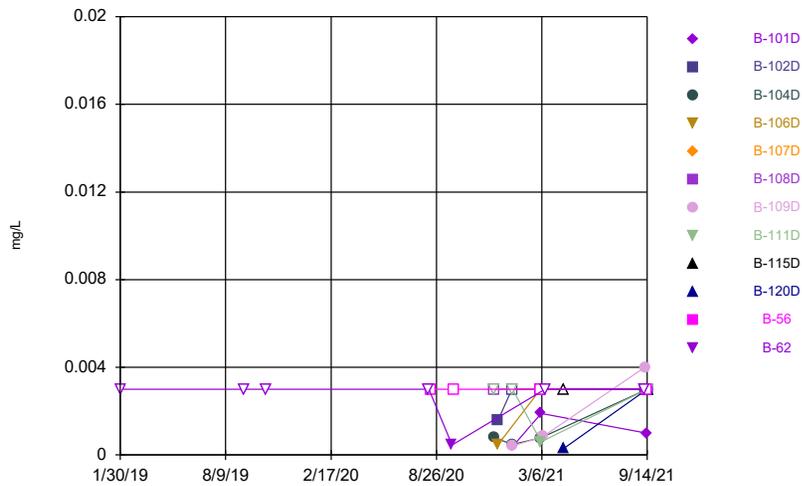
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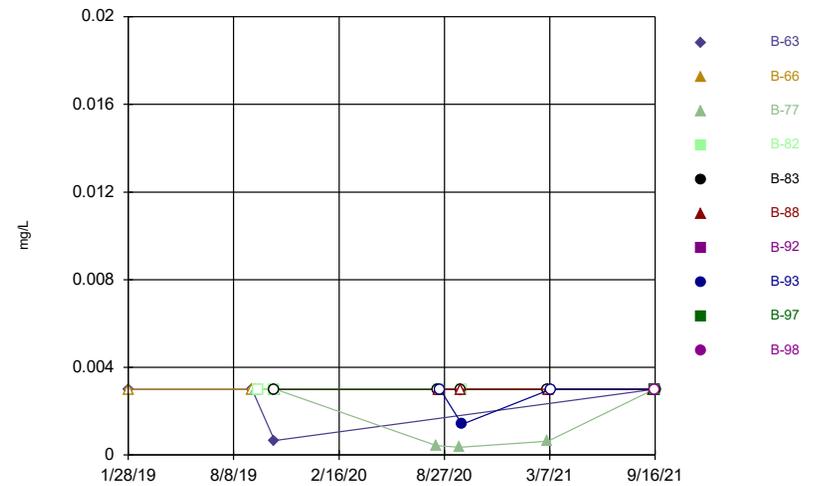
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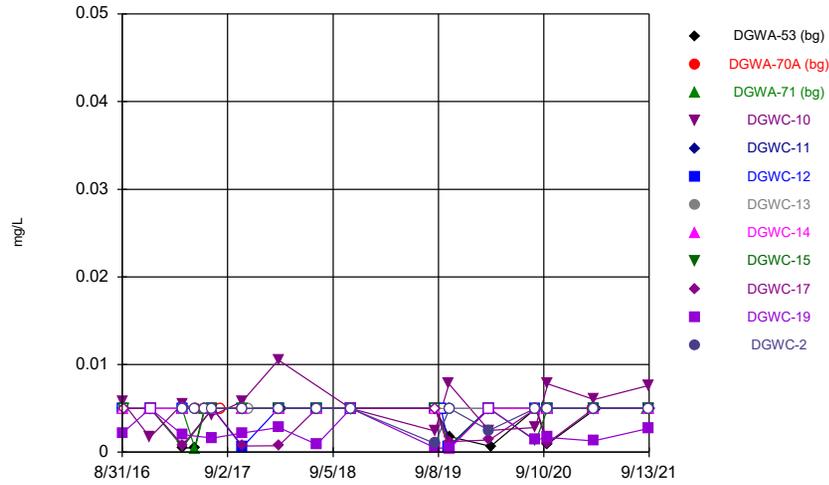
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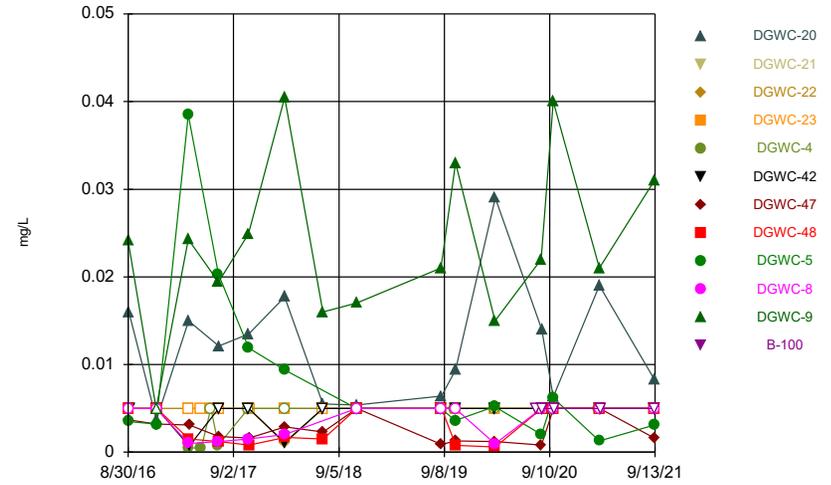
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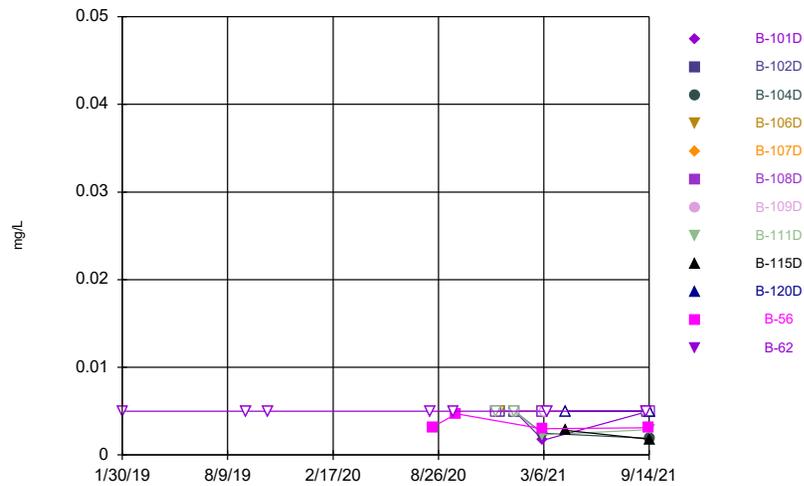
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Time Series



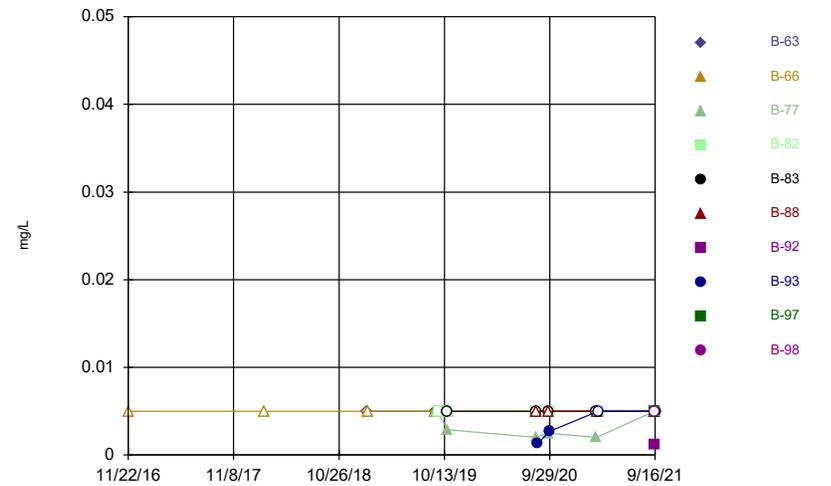
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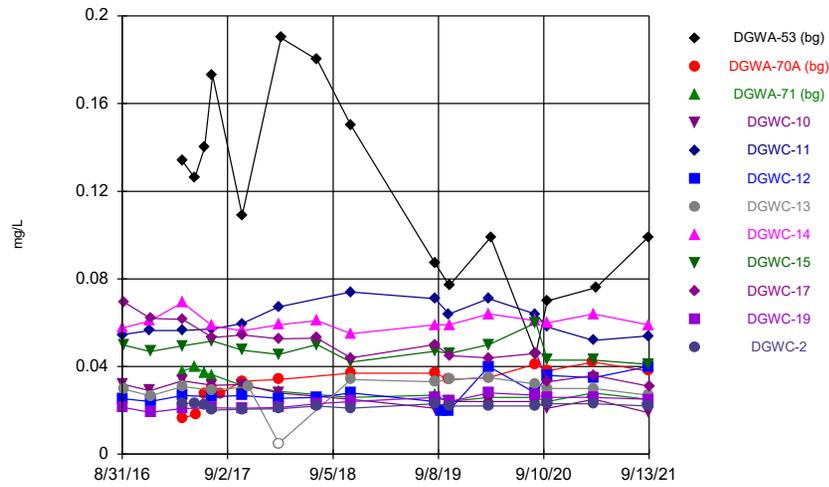
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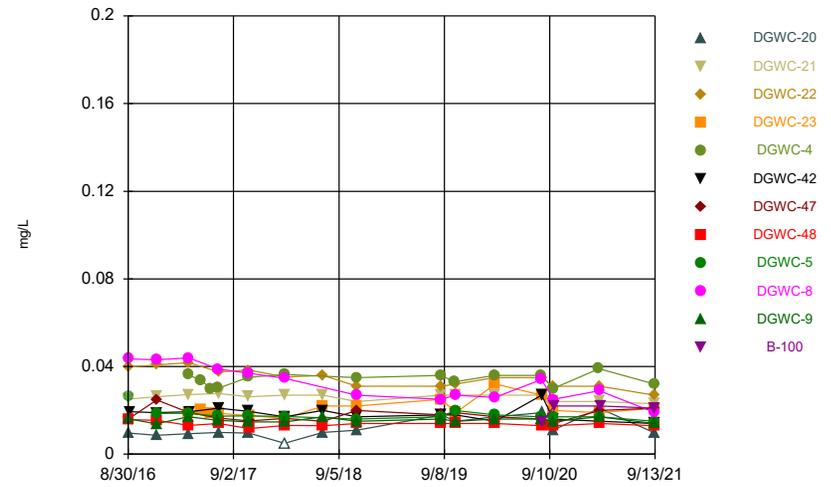
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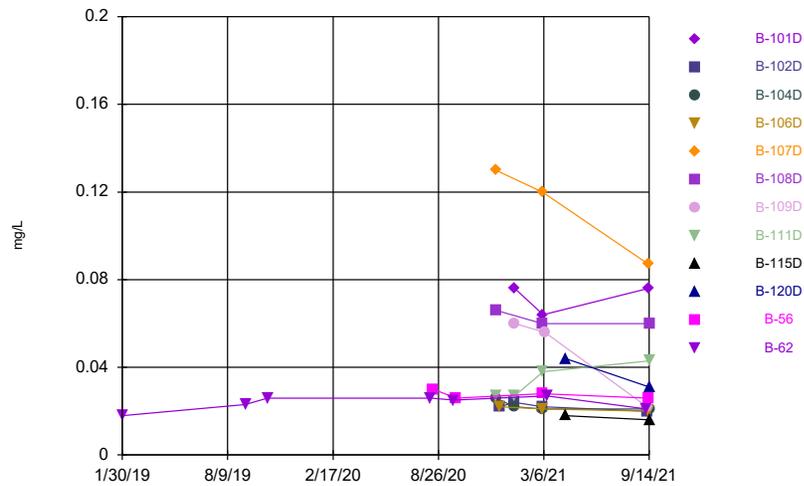
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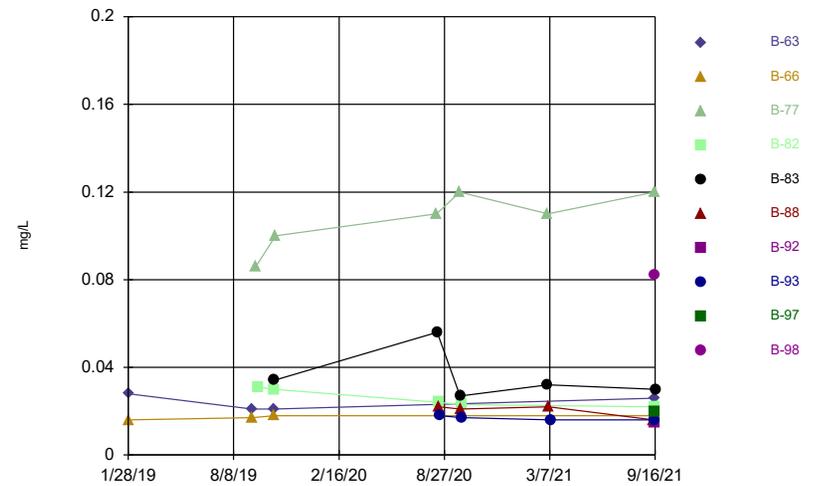
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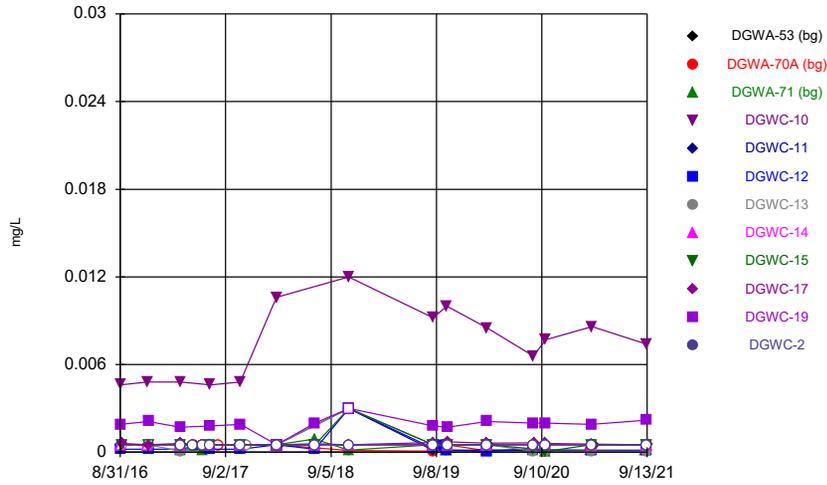
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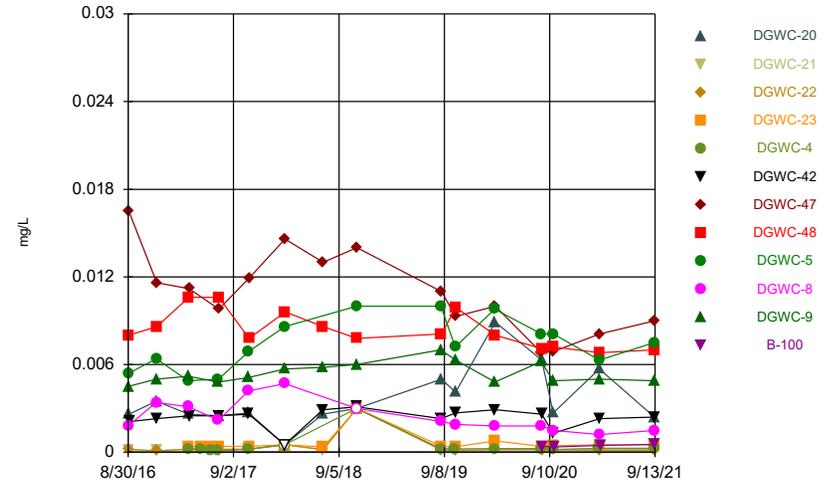
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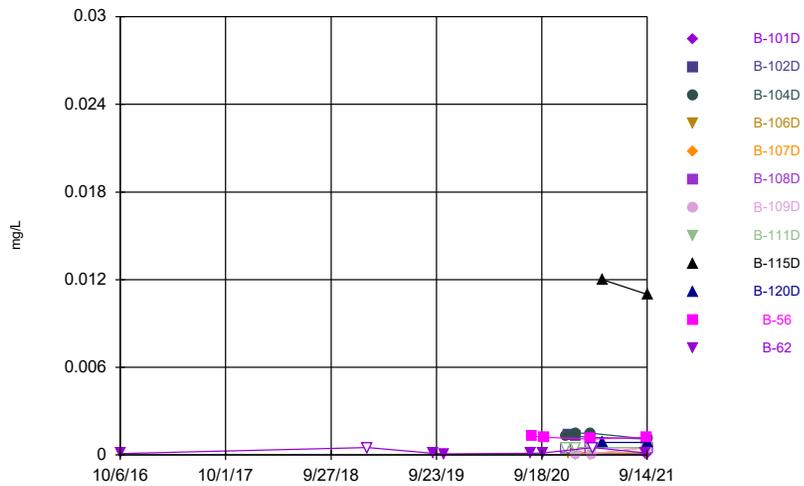
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Time Series



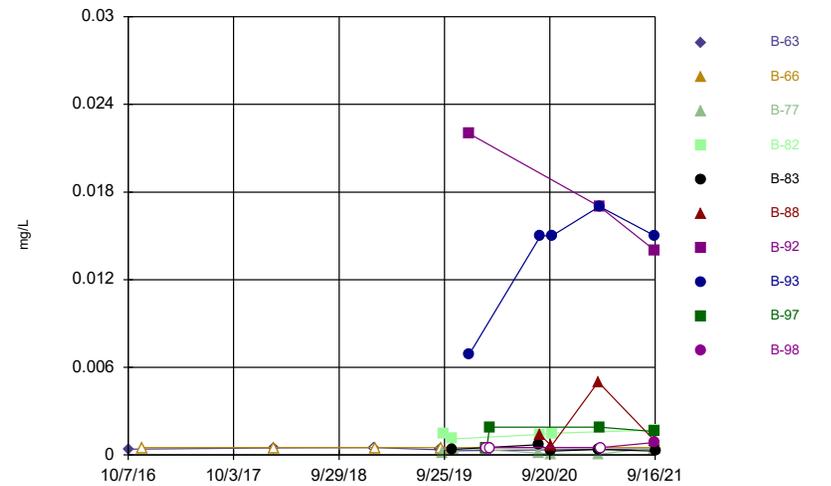
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Time Series



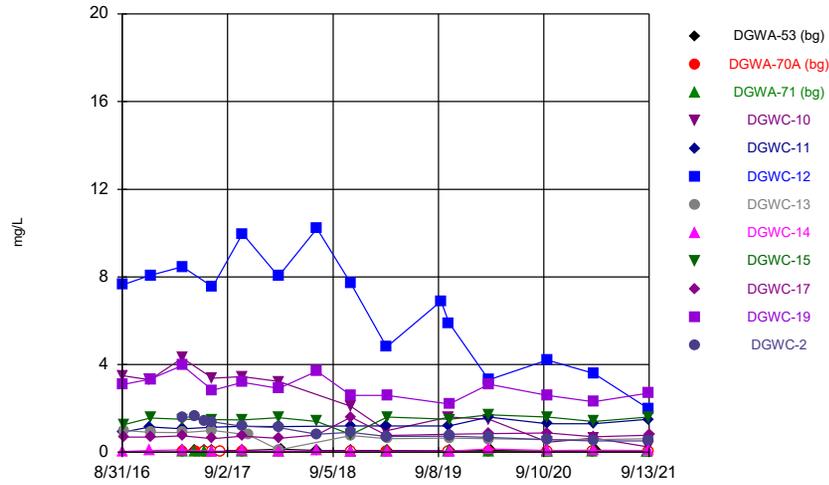
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Time Series



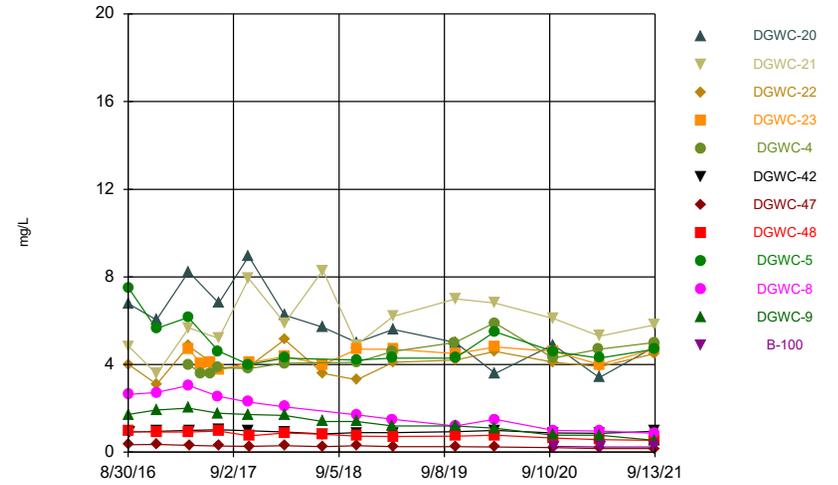
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Time Series



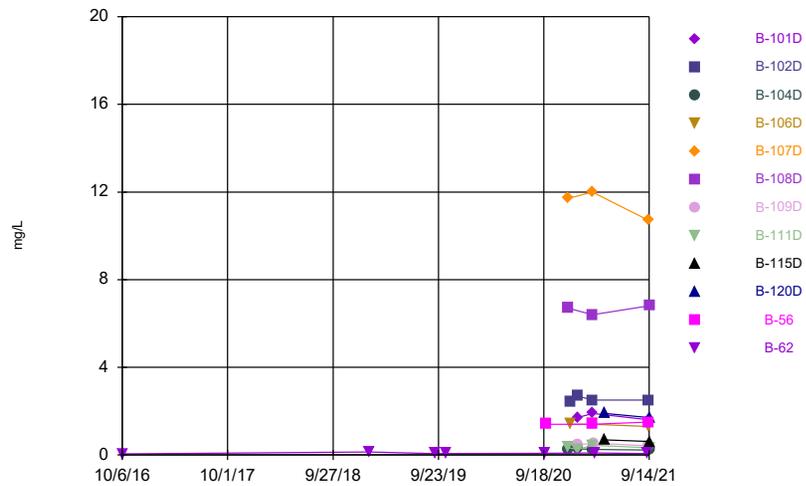
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Time Series



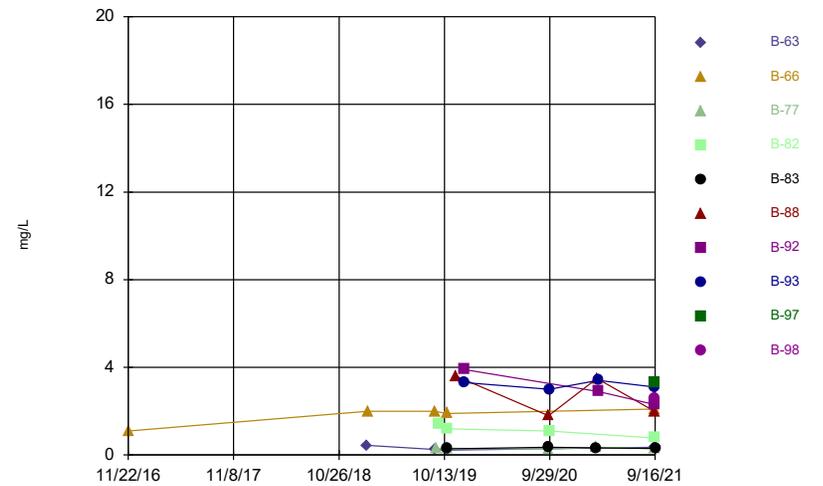
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Time Series



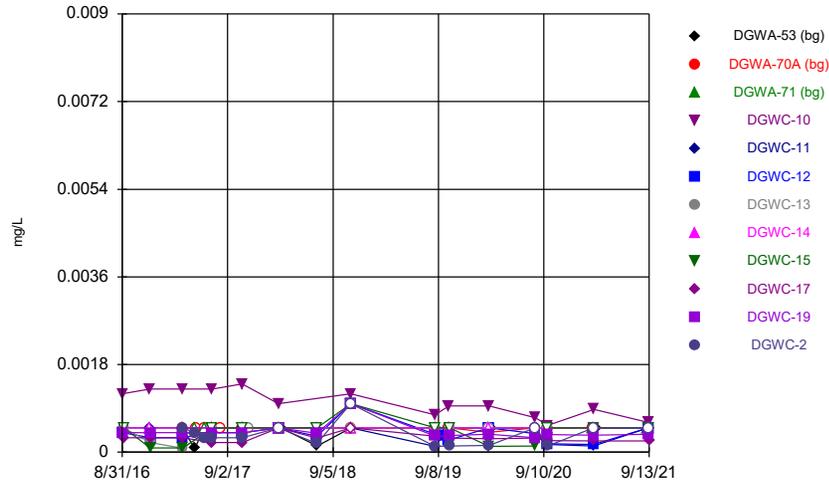
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Time Series



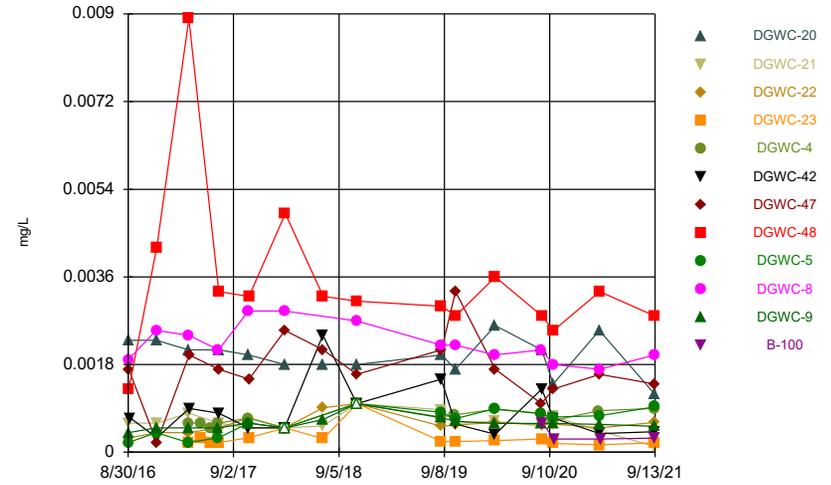
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



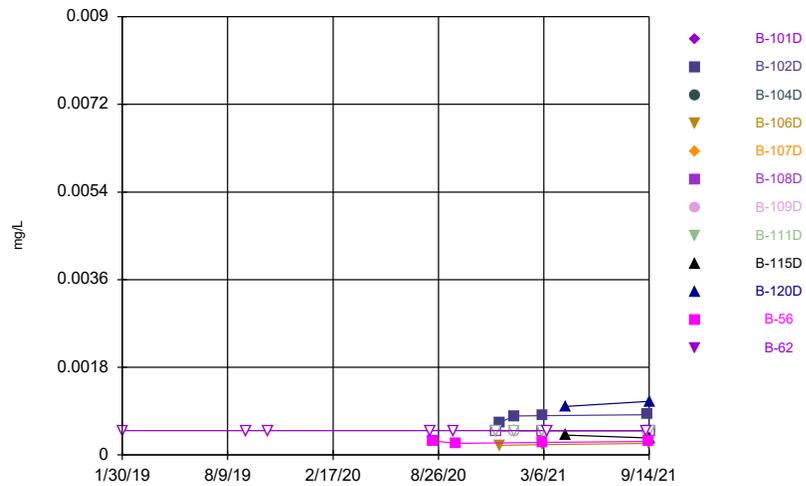
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Time Series



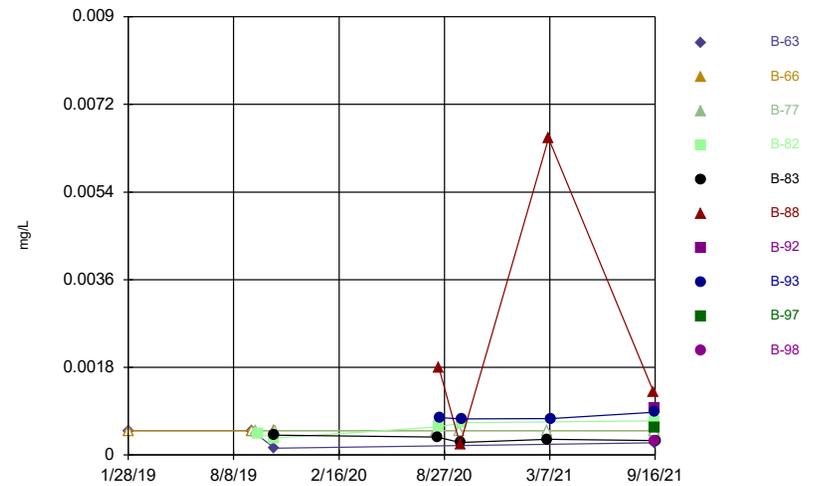
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Time Series



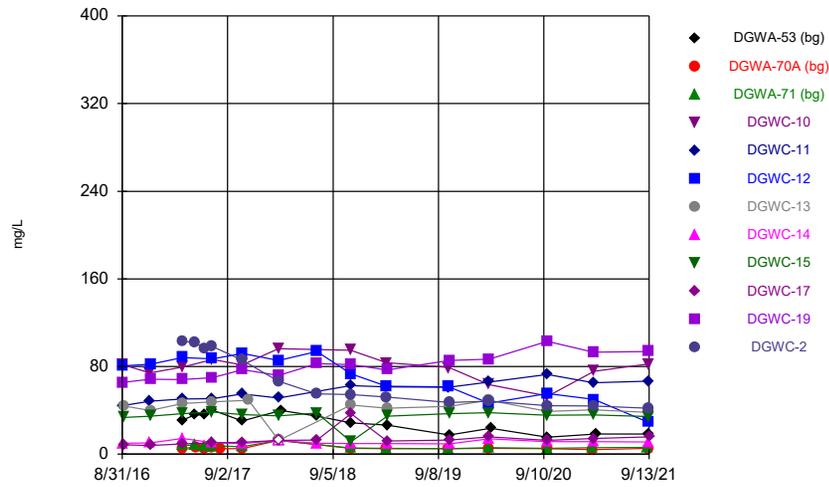
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Time Series



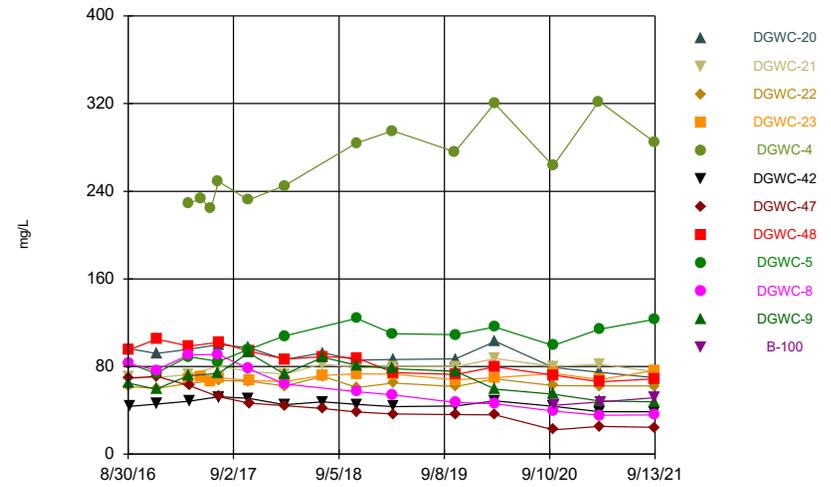
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Time Series



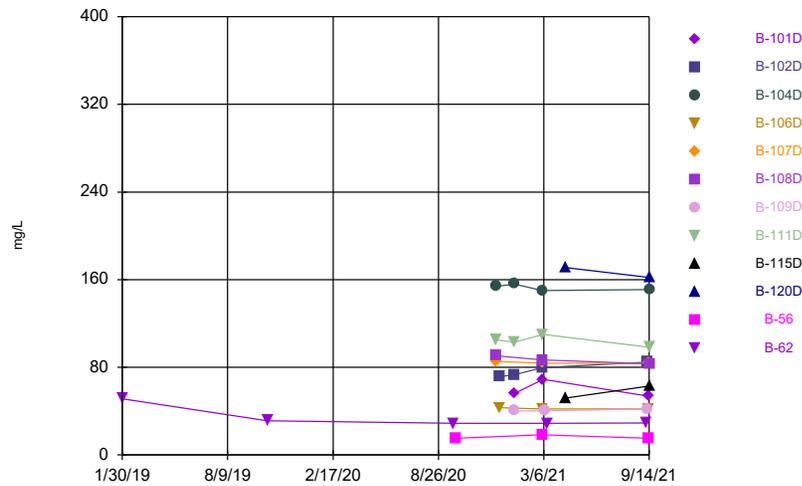
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 Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



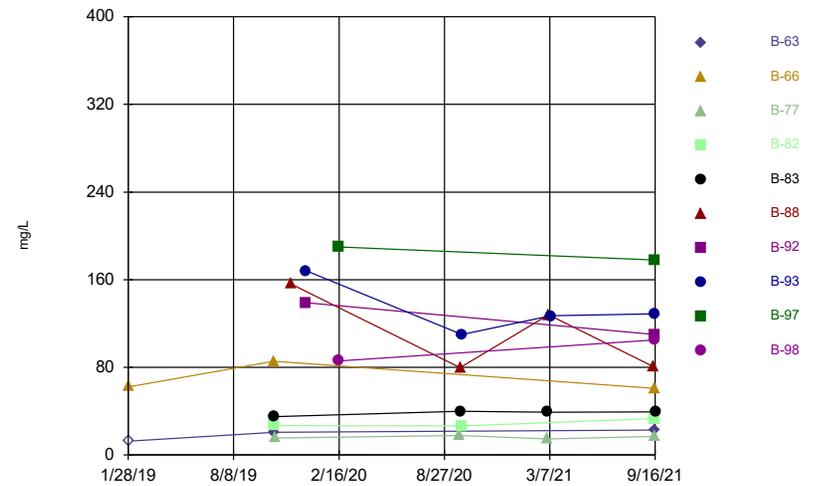
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Time Series



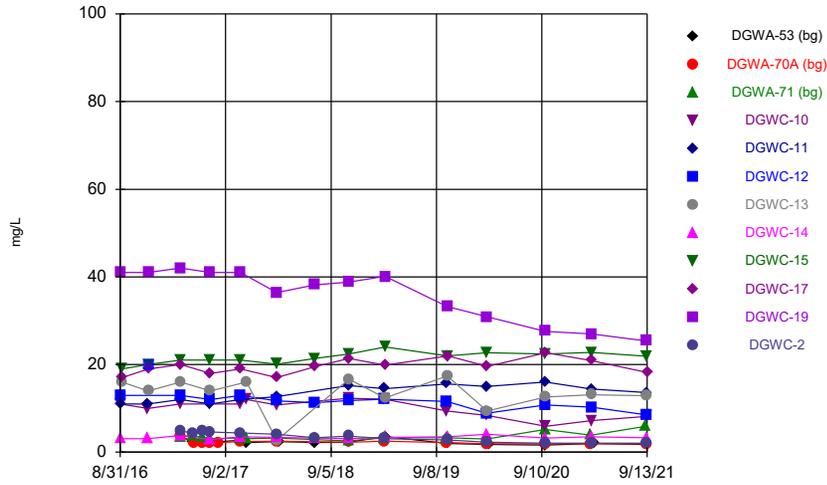
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Time Series



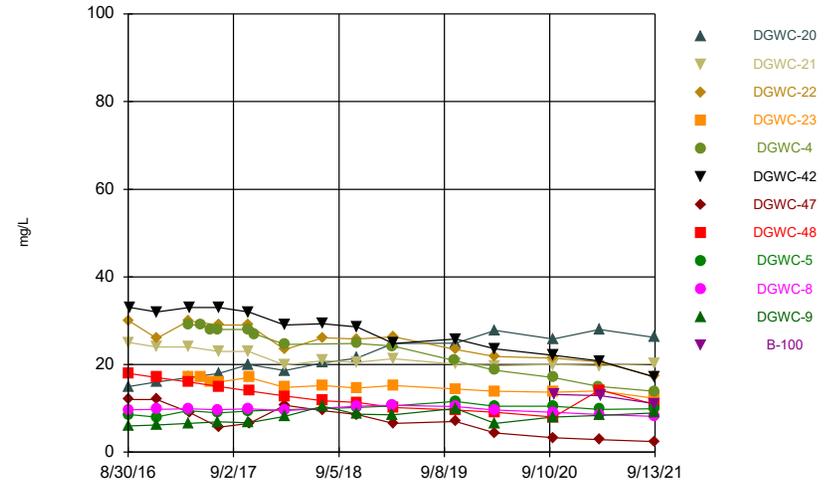
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Time Series



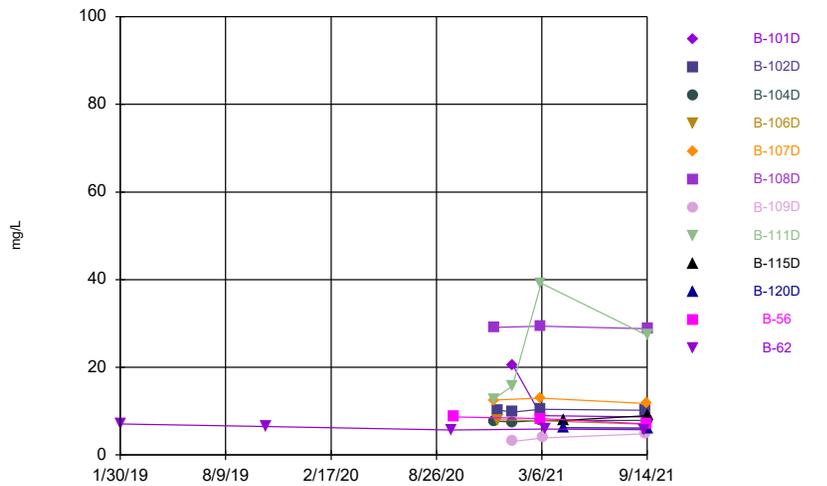
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Time Series



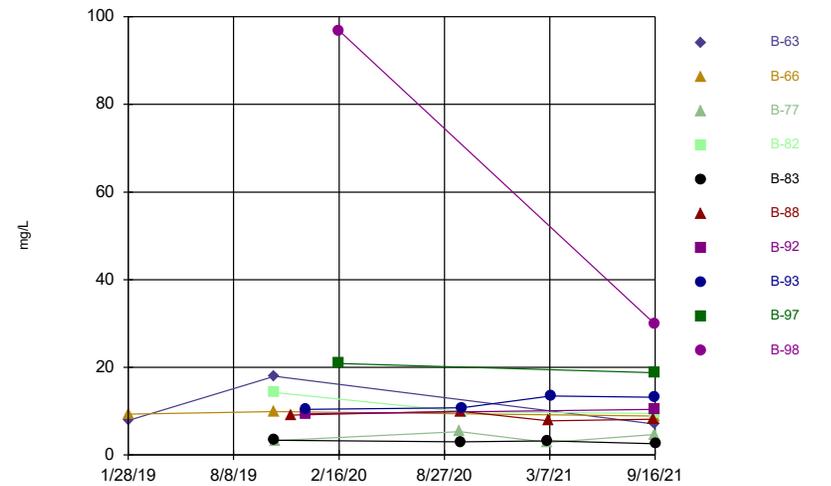
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Time Series



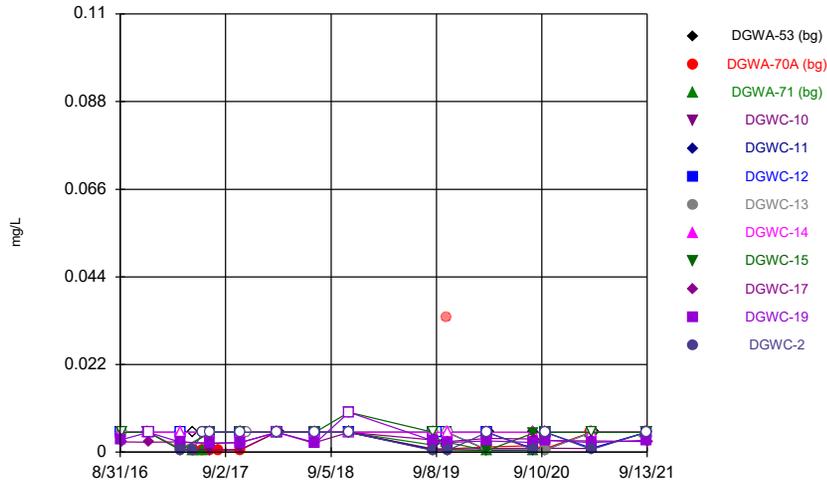
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Time Series



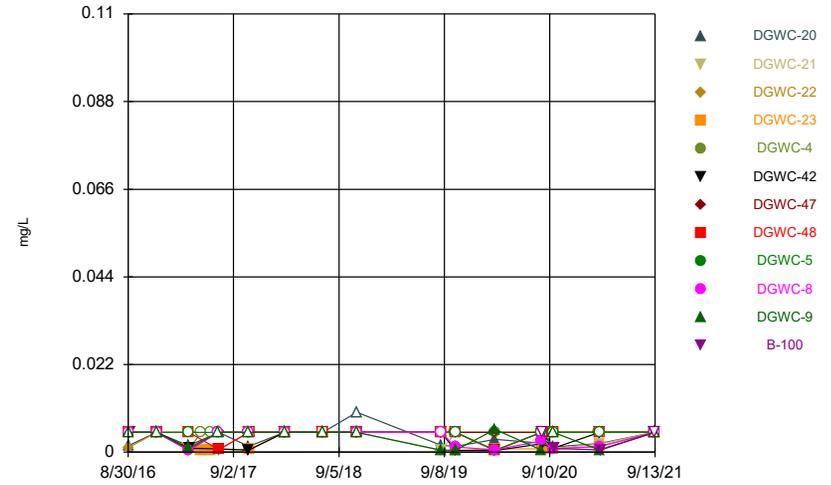
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Time Series



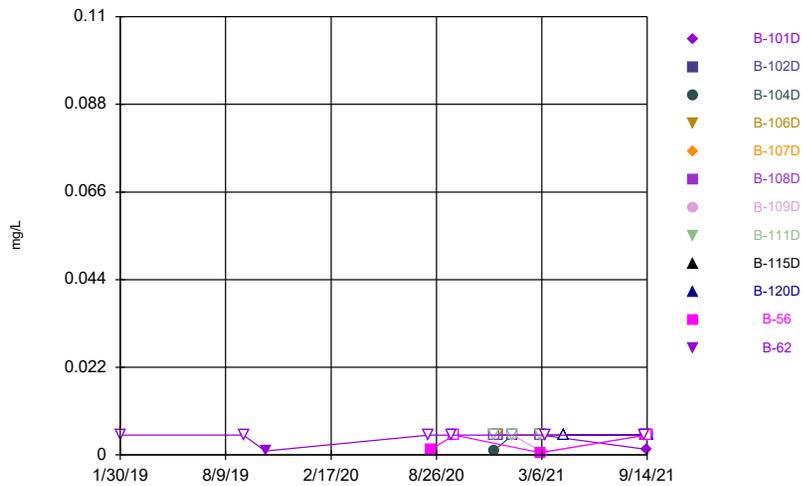
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Time Series



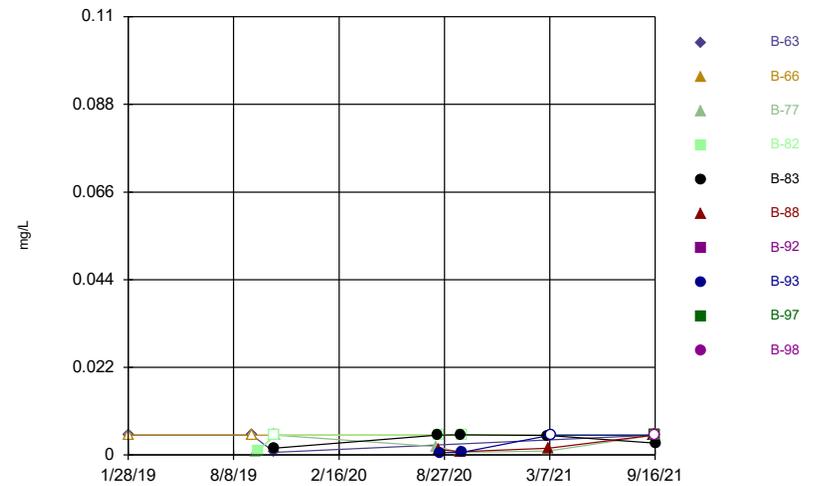
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Time Series



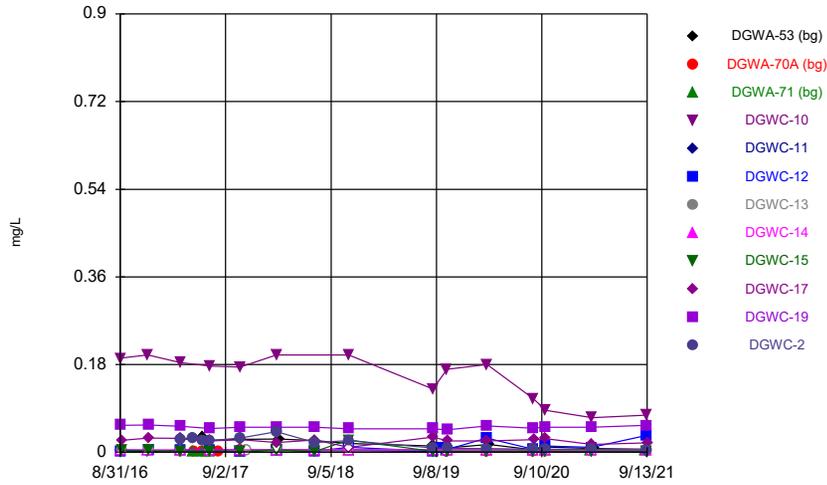
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Time Series



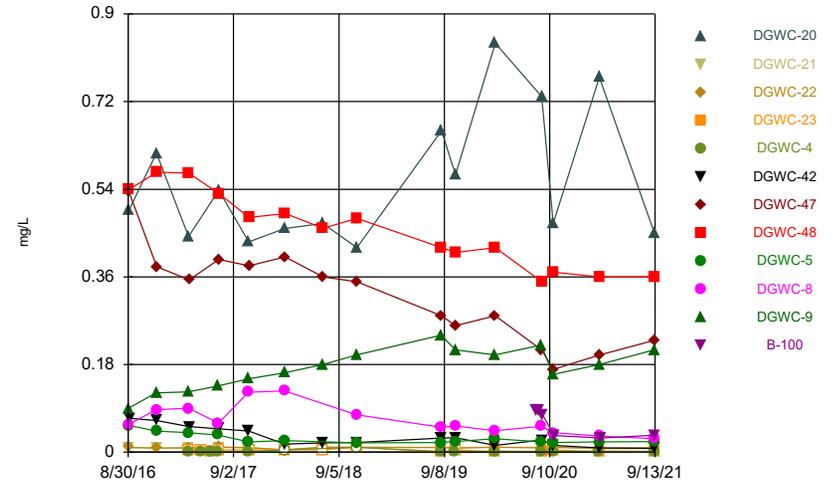
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Time Series



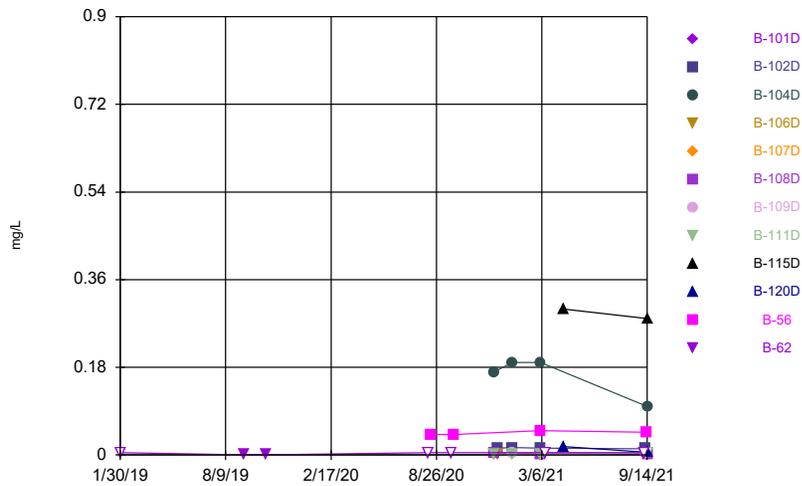
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



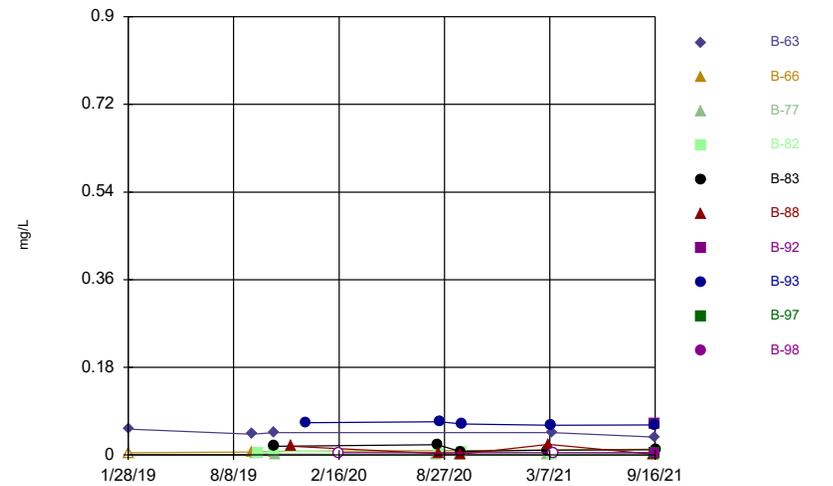
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Time Series



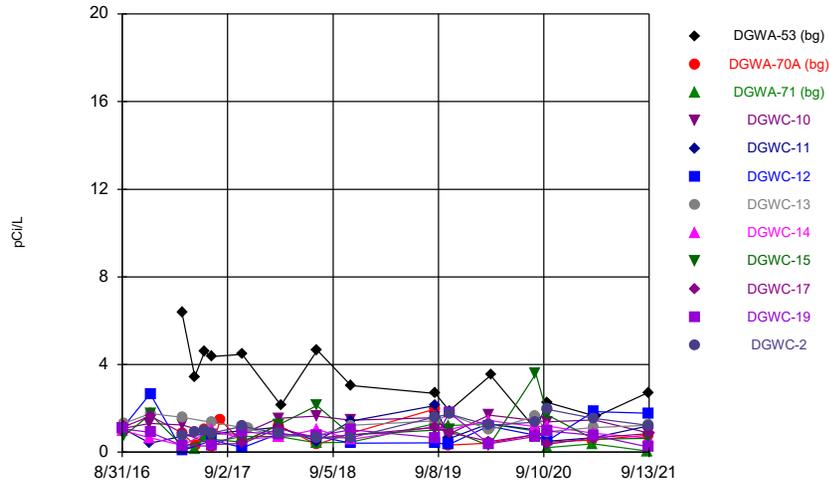
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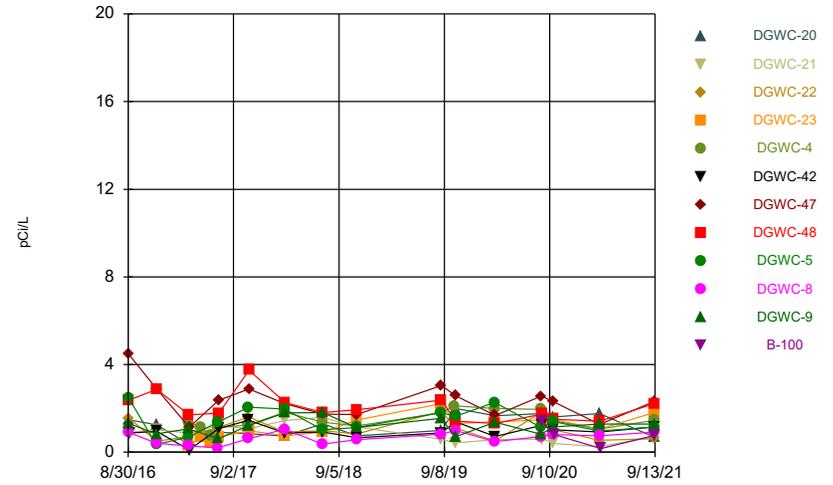
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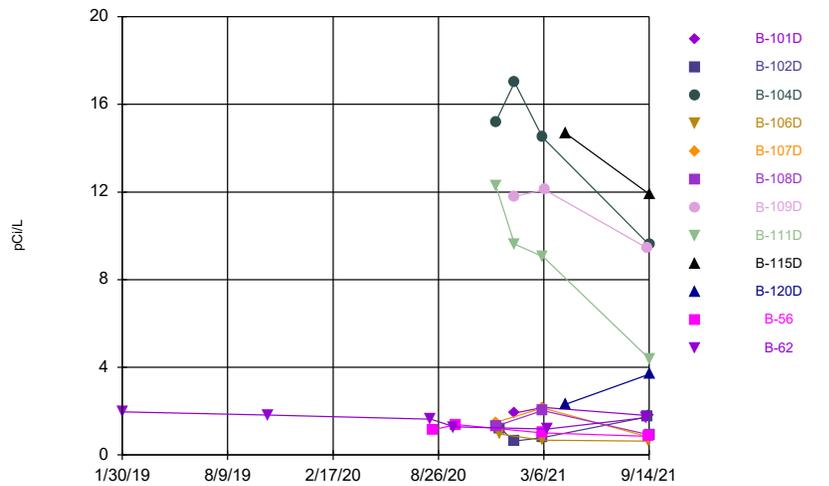
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Time Series



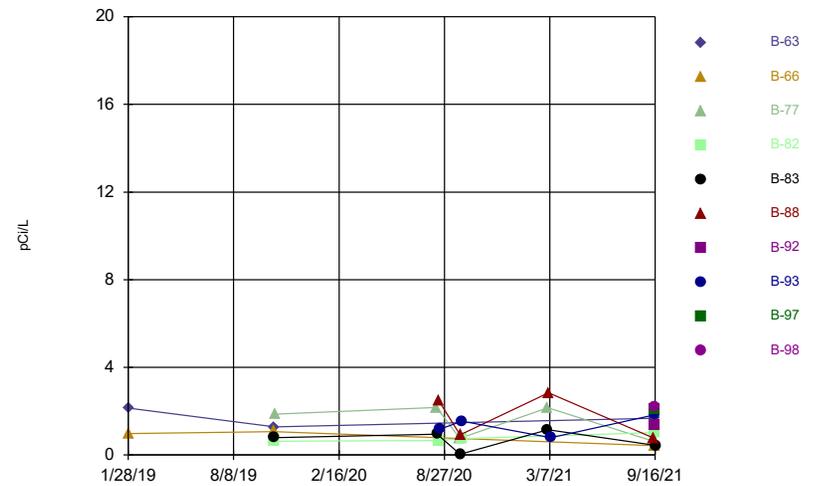
Constituent: Combined Radium 226 + 228 Analysis Run 11/8/2021 1:00 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



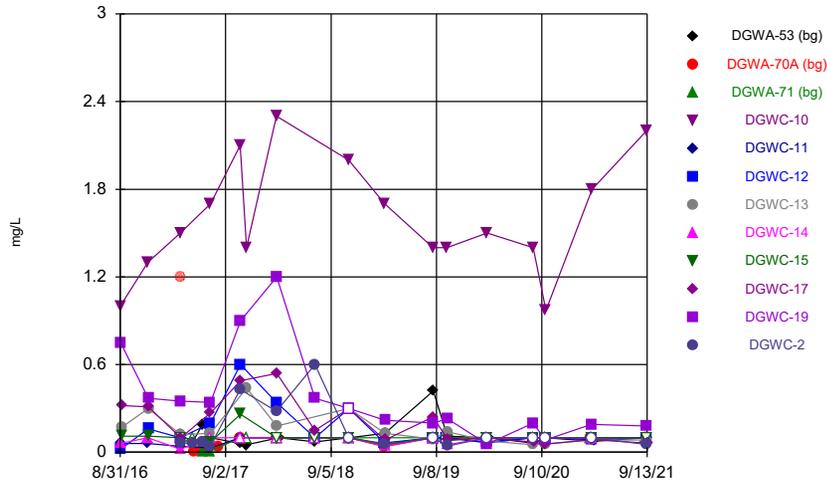
Constituent: Combined Radium 226 + 228 Analysis Run 11/8/2021 1:00 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



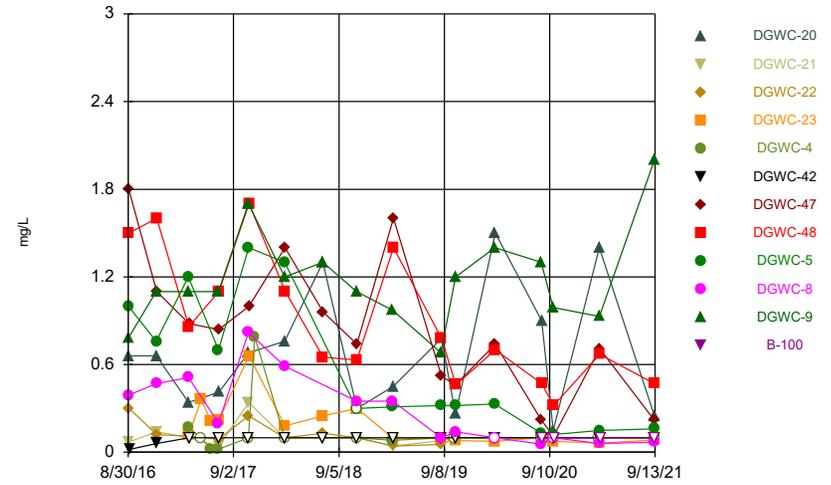
Constituent: Combined Radium 226 + 228 Analysis Run 11/8/2021 1:00 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



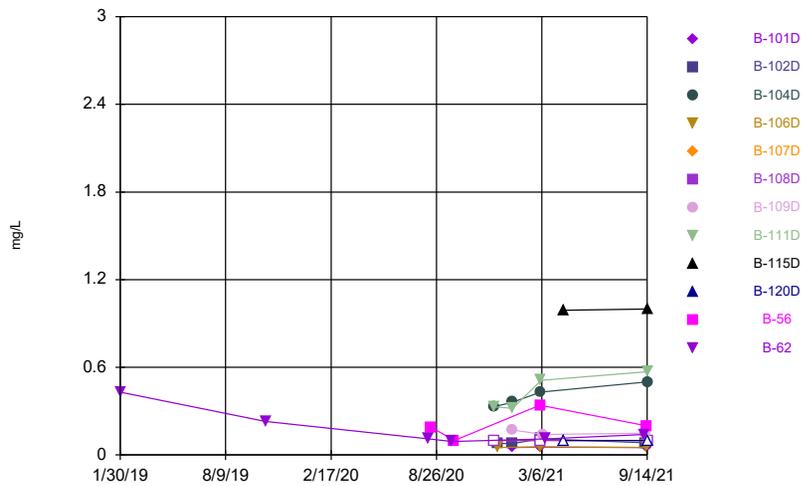
Constituent: Fluoride, total Analysis Run 11/8/2021 1:00 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



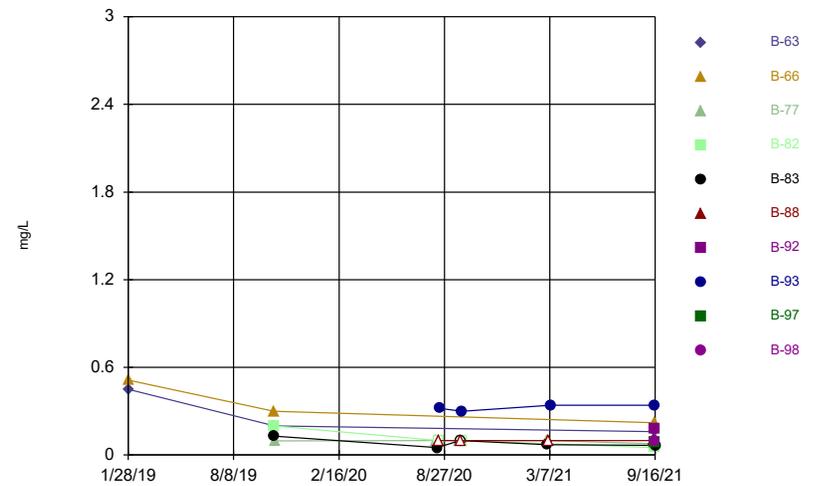
Constituent: Fluoride, total Analysis Run 11/8/2021 1:00 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



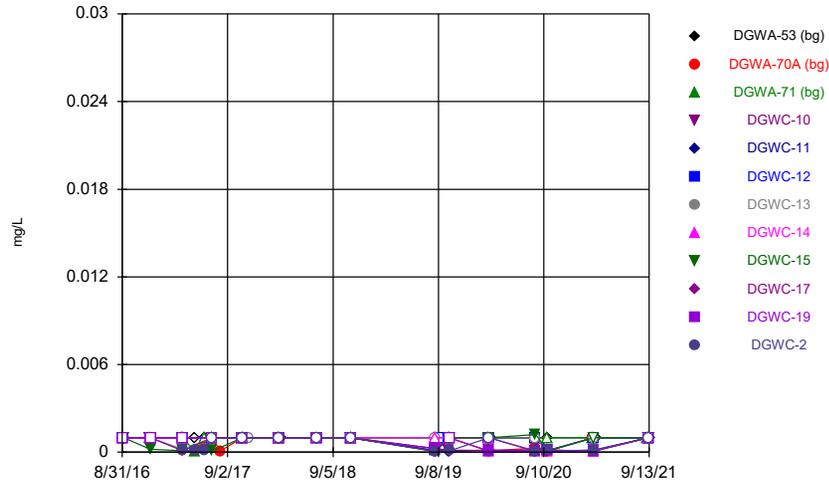
Constituent: Fluoride, total Analysis Run 11/8/2021 1:00 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



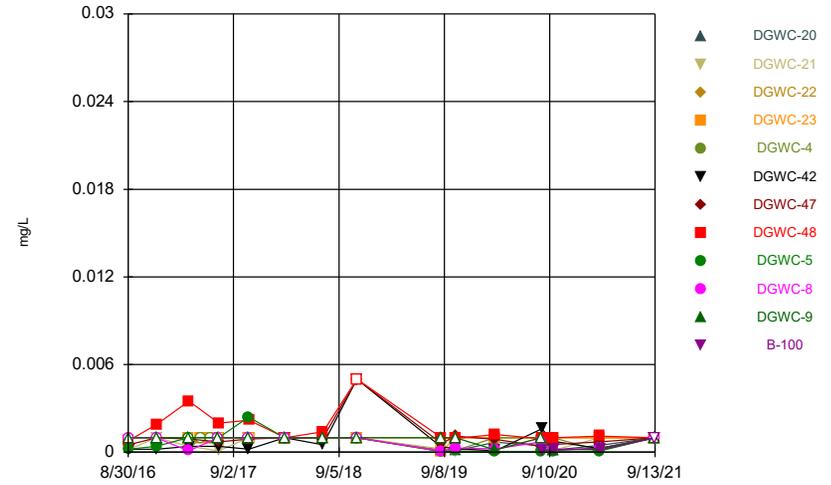
Constituent: Fluoride, total Analysis Run 11/8/2021 1:00 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



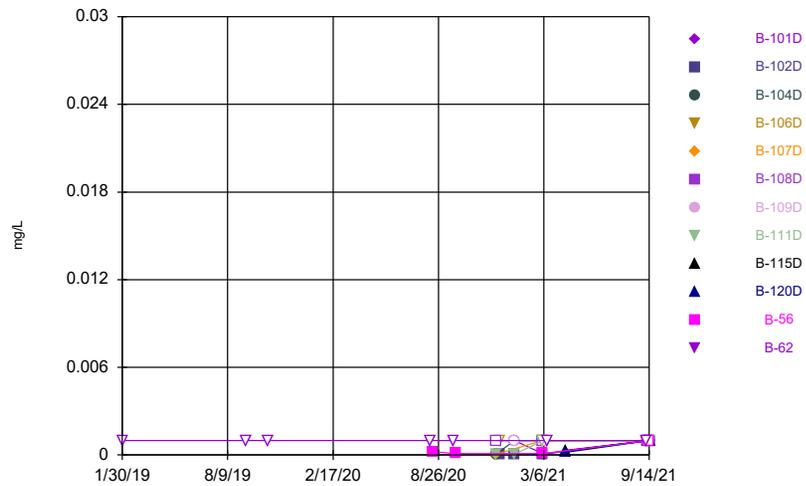
Constituent: Lead Analysis Run 11/8/2021 1:00 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



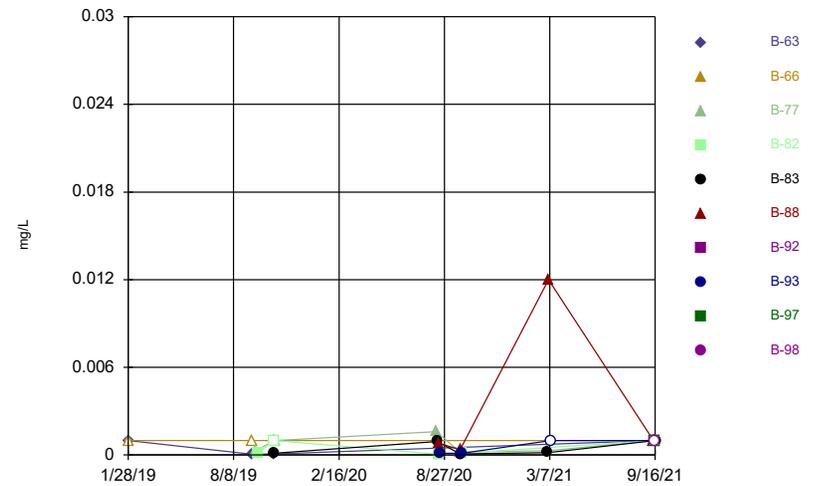
Constituent: Lead Analysis Run 11/8/2021 1:00 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



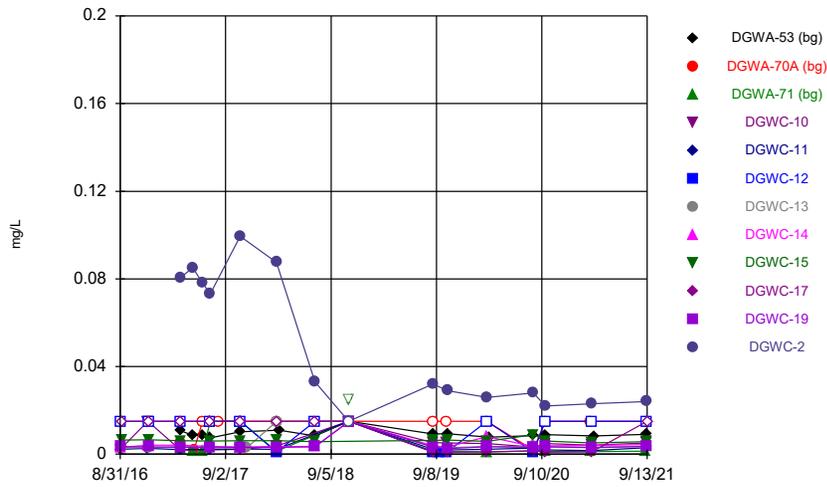
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



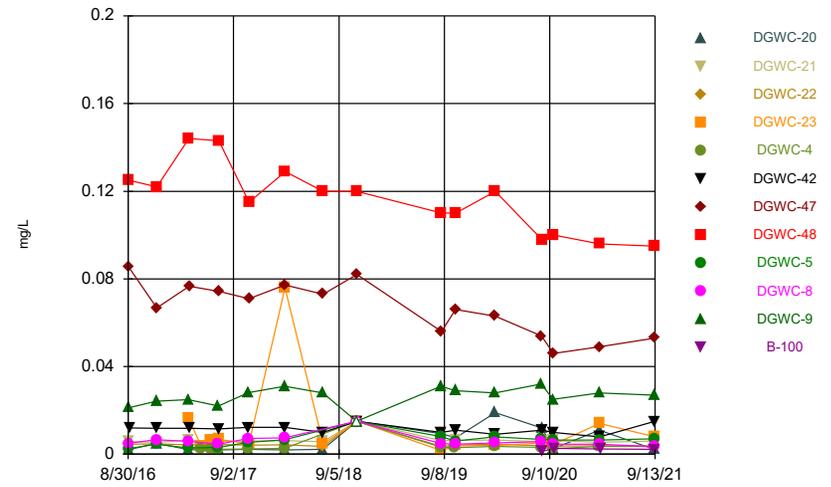
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



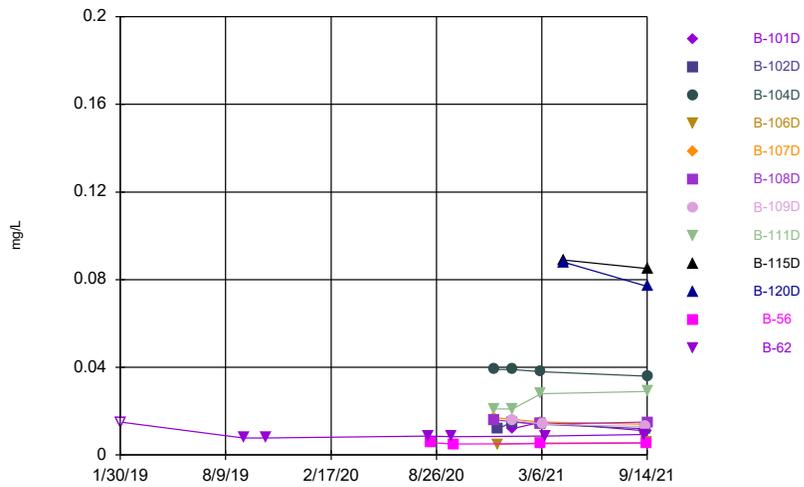
Constituent: Lithium Analysis Run 11/8/2021 1:01 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



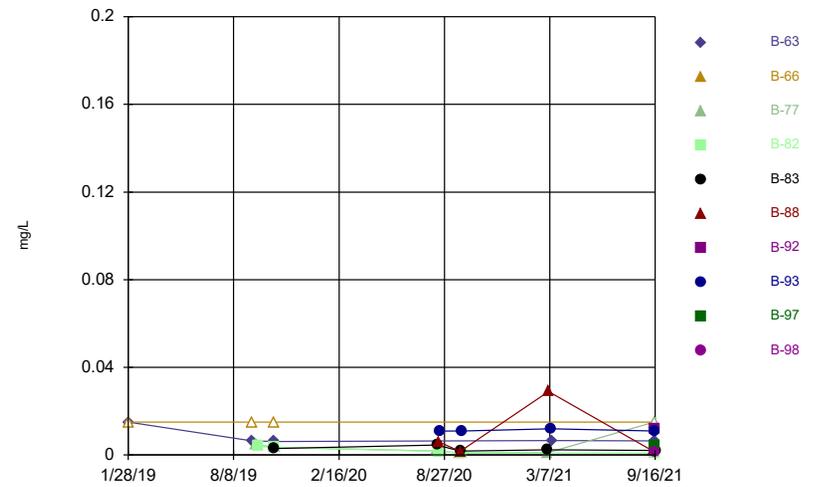
Constituent: Lithium Analysis Run 11/8/2021 1:01 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



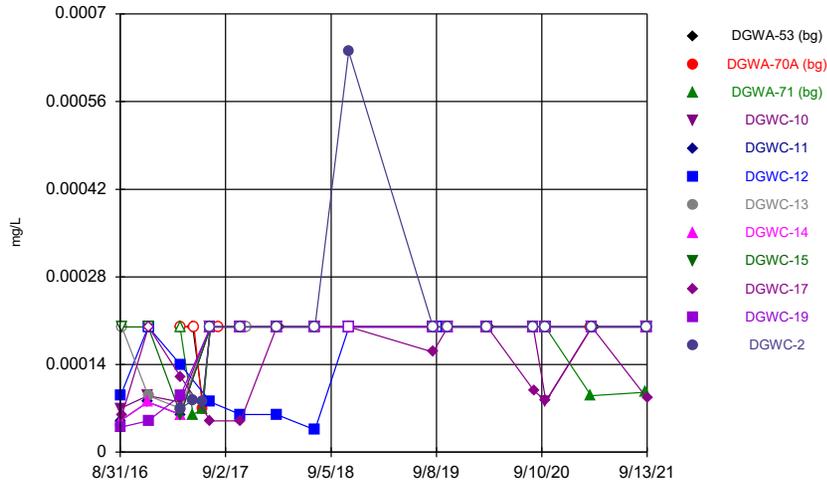
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



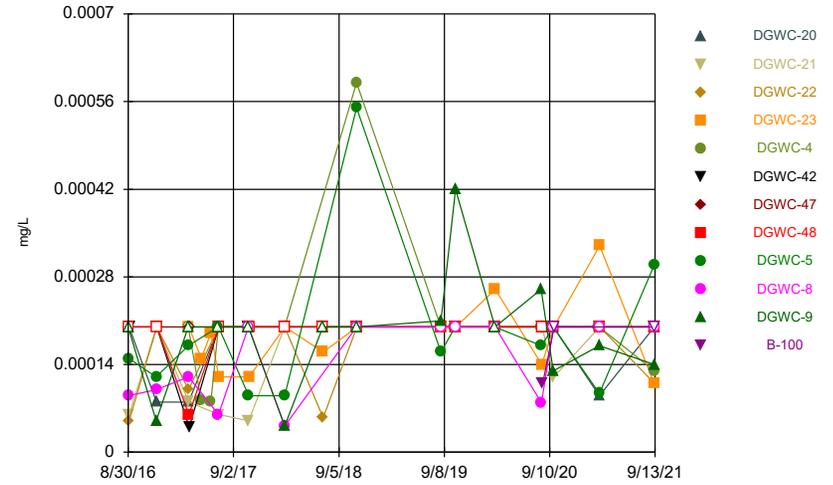
Constituent: Lithium Analysis Run 11/8/2021 1:01 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



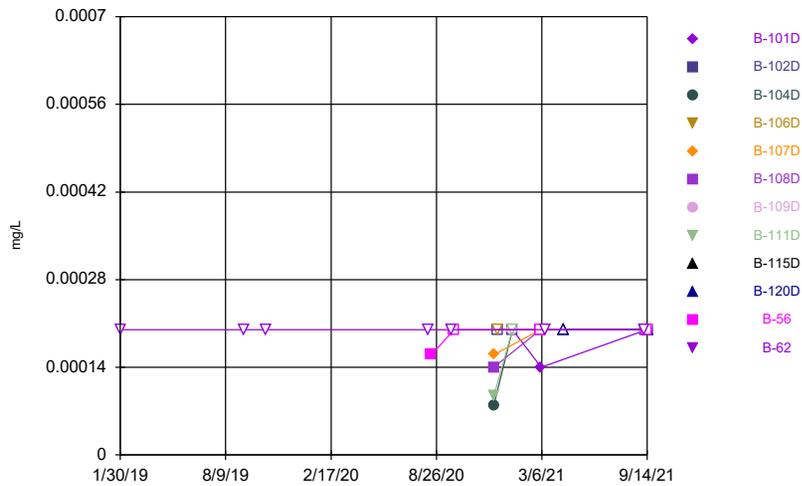
Constituent: Mercury Analysis Run 11/8/2021 1:01 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



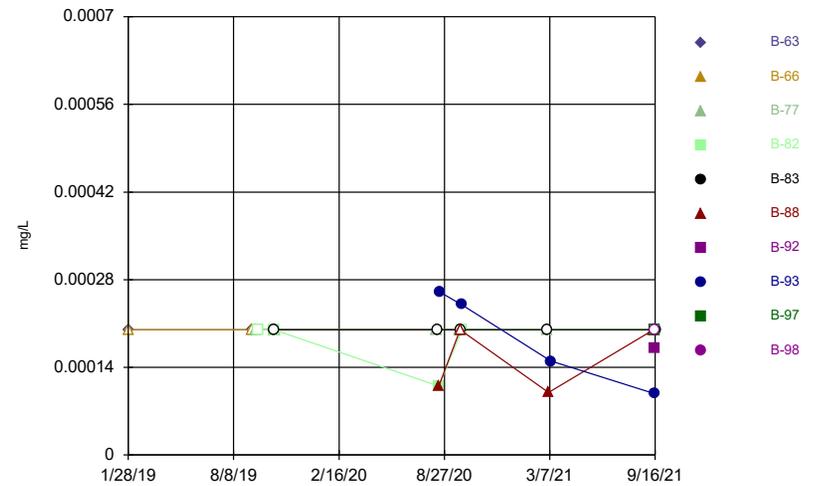
Constituent: Mercury Analysis Run 11/8/2021 1:01 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



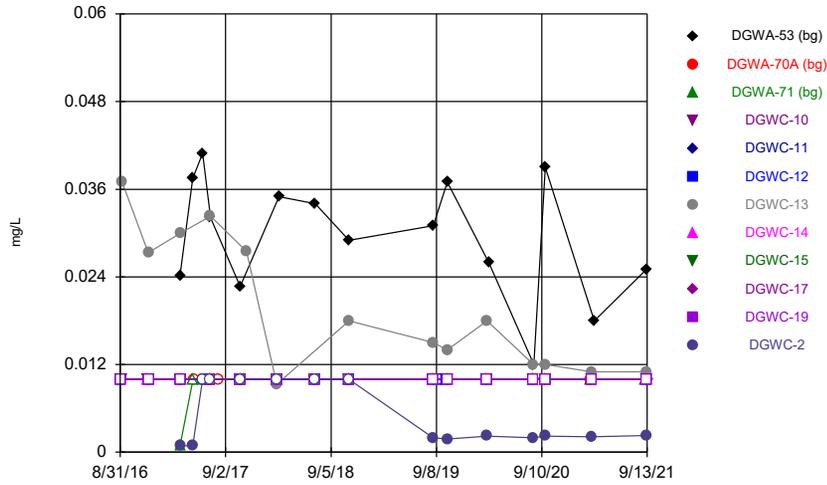
Constituent: Mercury Analysis Run 11/8/2021 1:01 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



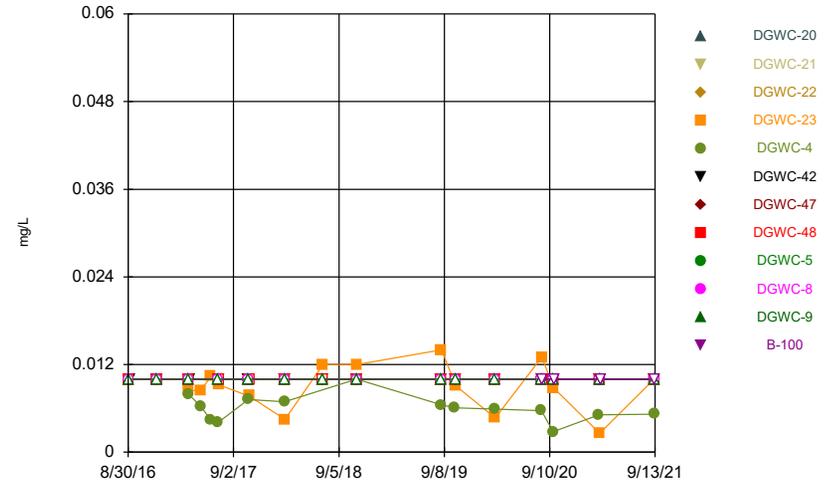
Constituent: Mercury Analysis Run 11/8/2021 1:01 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



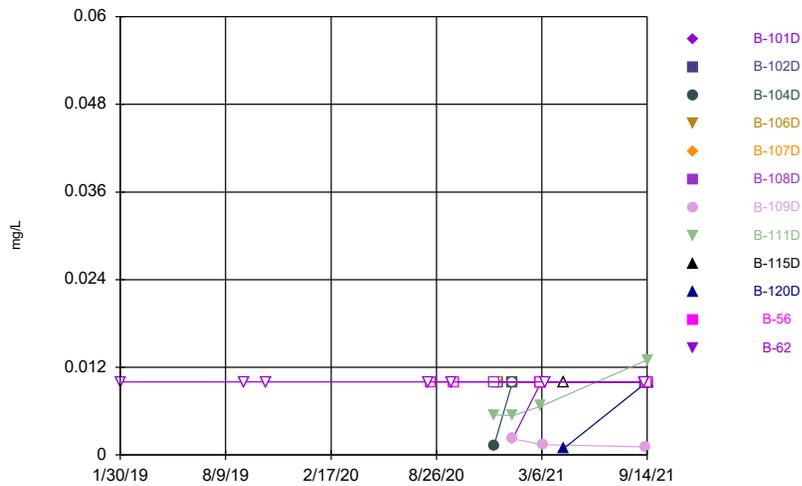
Constituent: Molybdenum Analysis Run 11/8/2021 1:01 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



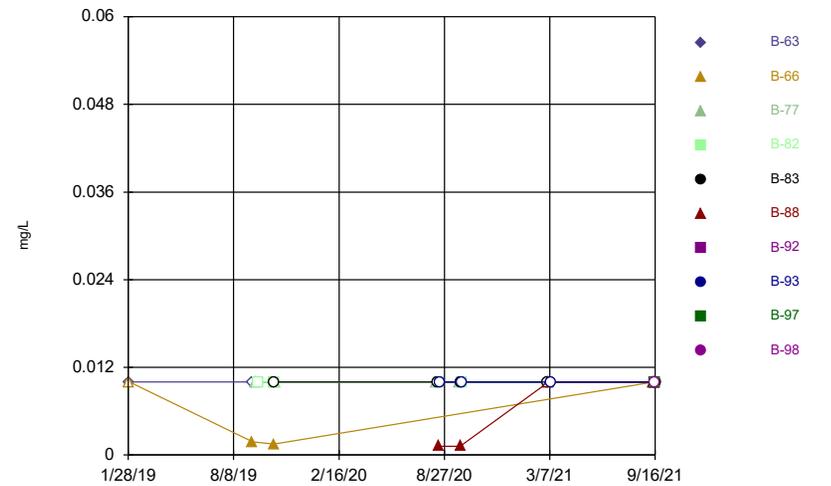
Constituent: Molybdenum Analysis Run 11/8/2021 1:01 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



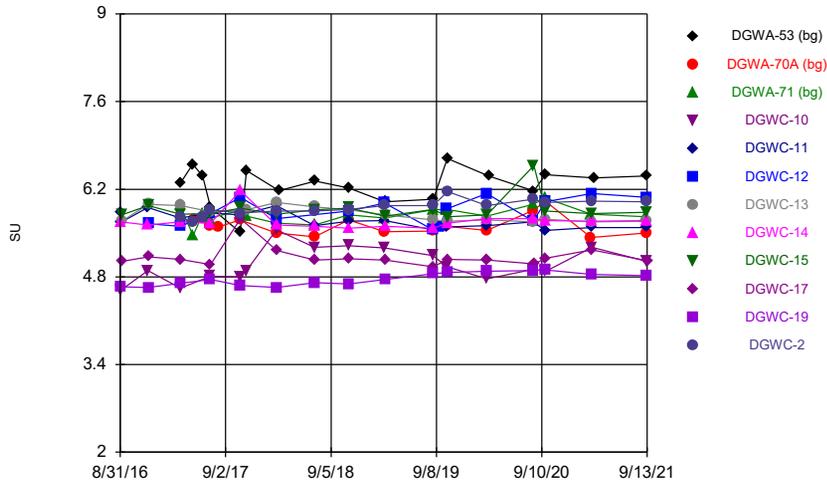
Constituent: Molybdenum Analysis Run 11/8/2021 1:01 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



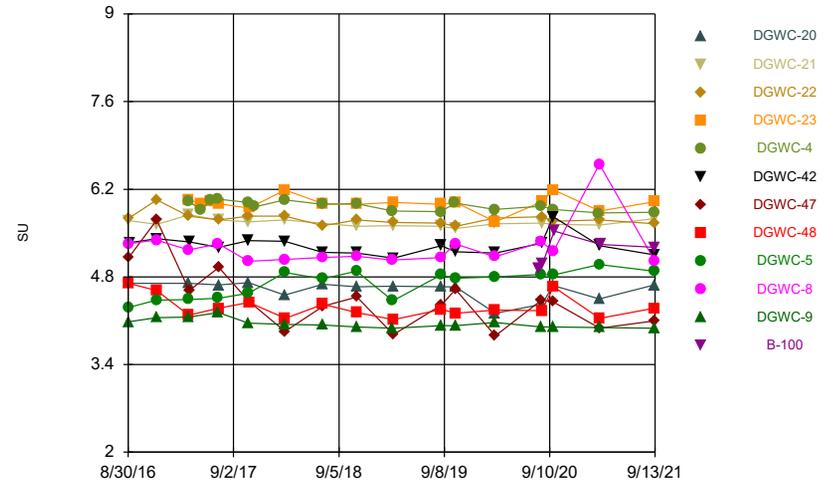
Constituent: Molybdenum Analysis Run 11/8/2021 1:01 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



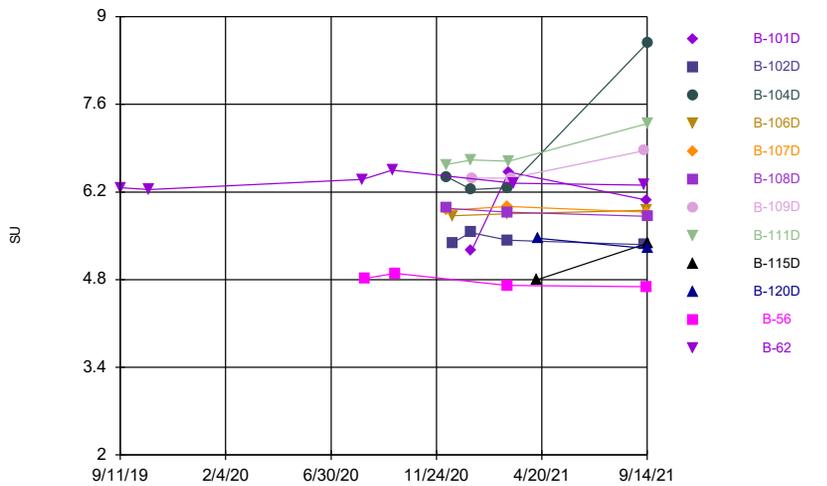
Constituent: pH, Field Analysis Run 11/8/2021 1:01 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



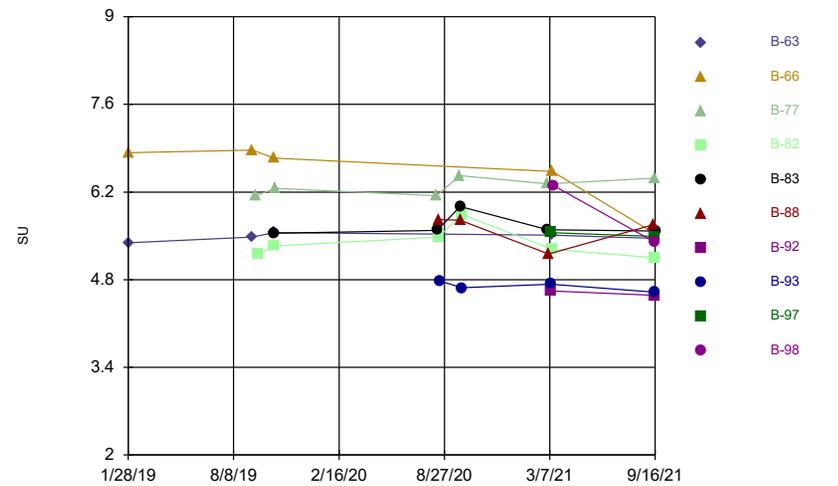
Constituent: pH, Field Analysis Run 11/8/2021 1:01 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



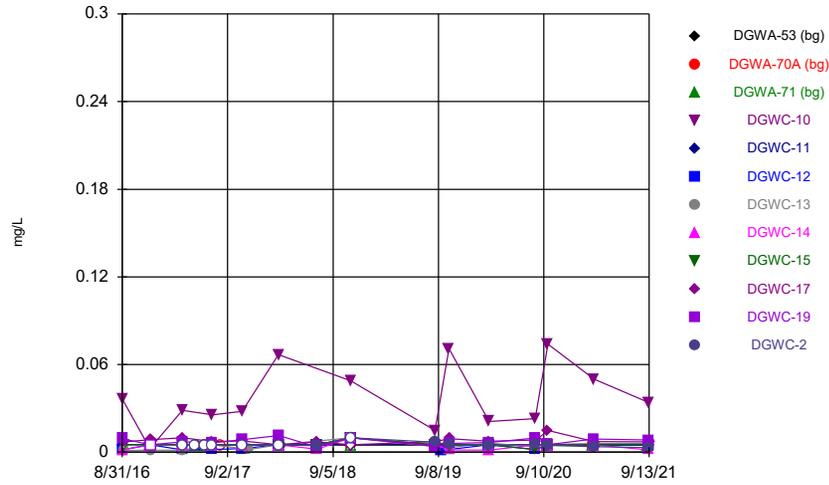
Constituent: pH, Field Analysis Run 11/8/2021 1:01 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



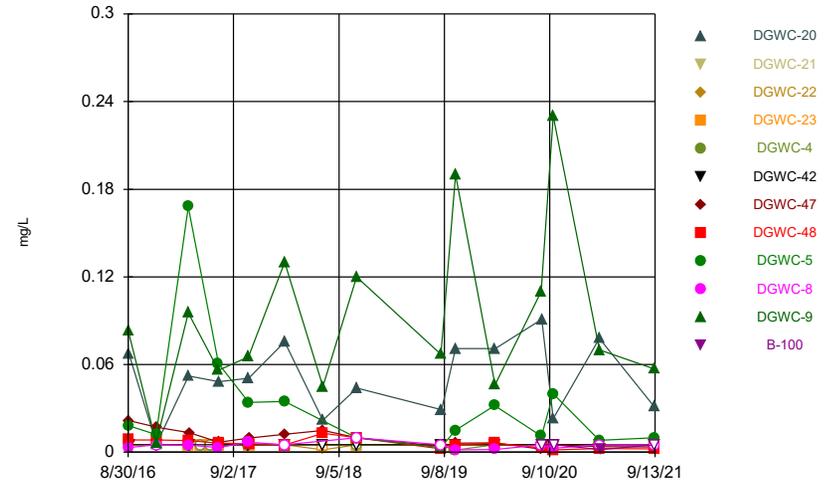
Constituent: pH, Field Analysis Run 11/8/2021 1:01 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



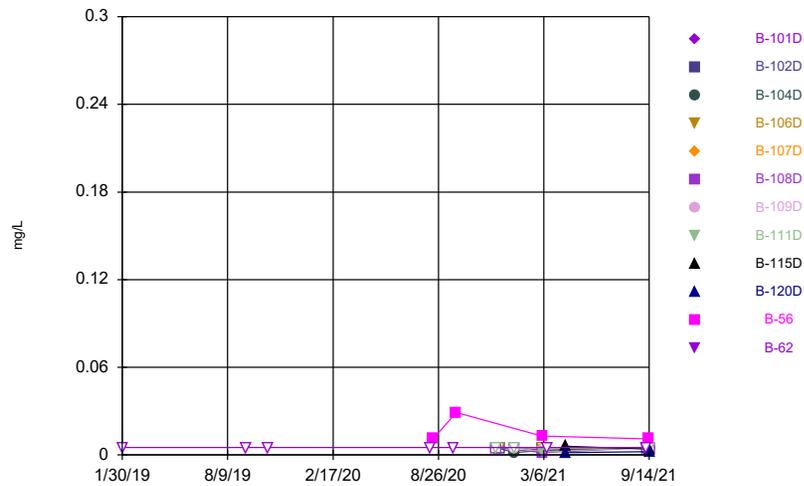
Constituent: Seleniun Analysis Run 11/8/2021 1:01 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



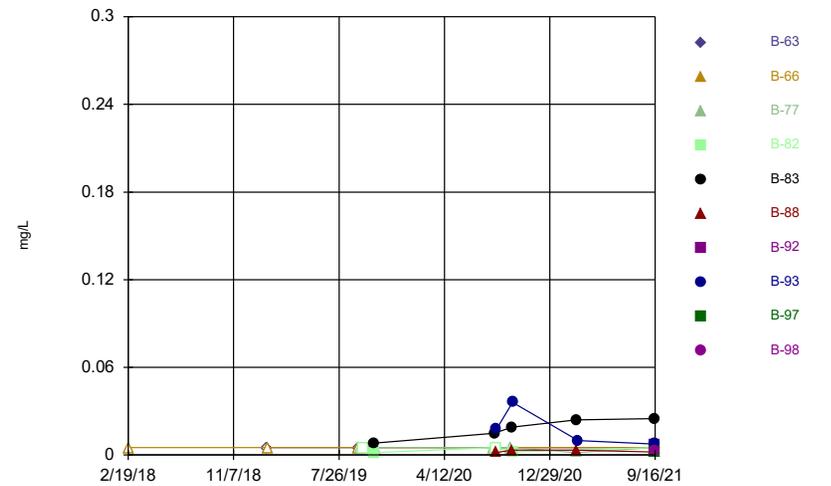
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



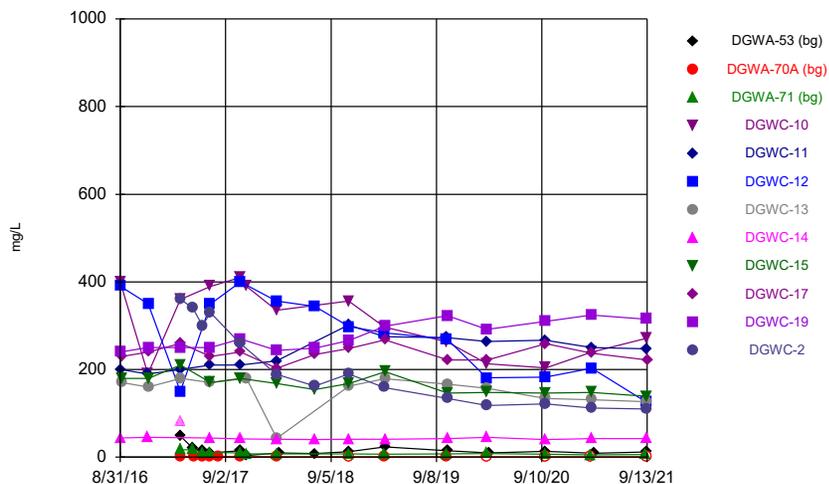
Constituent: Seleniun Analysis Run 11/8/2021 1:01 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



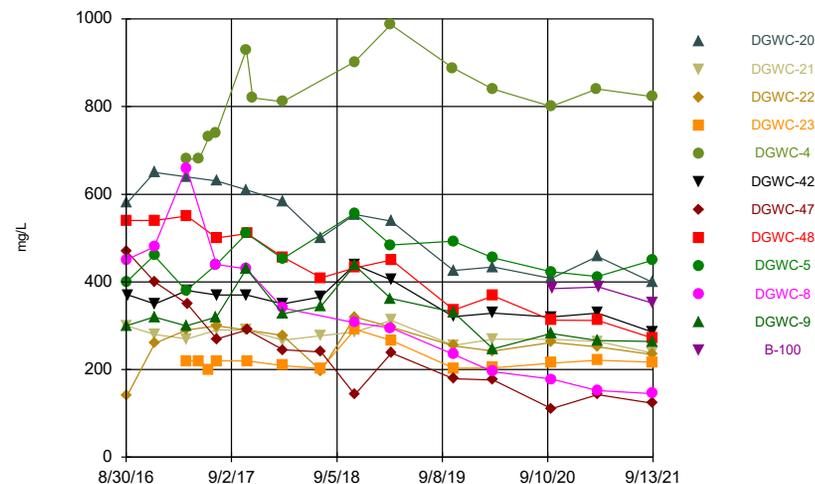
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Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



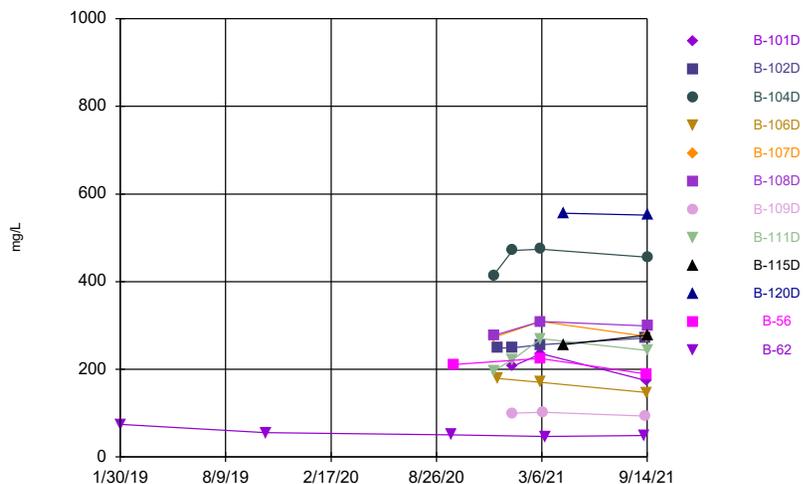
Constituent: Sulfate as SO4 Analysis Run 11/8/2021 1:01 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



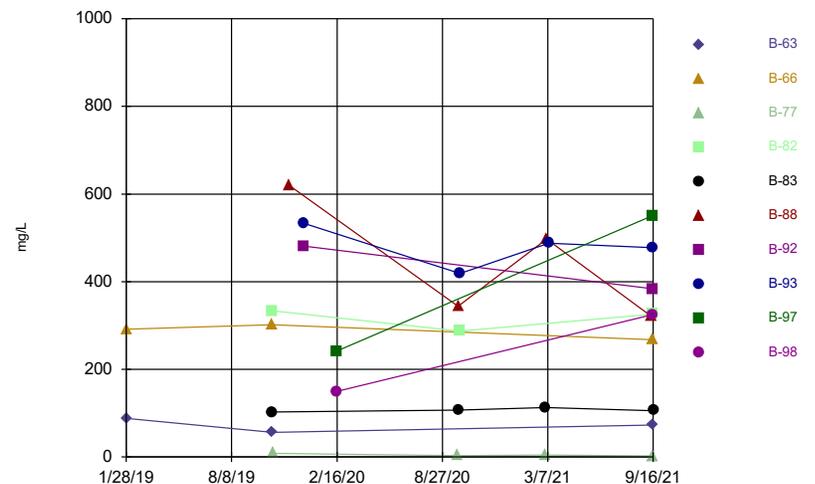
Constituent: Sulfate as SO4 Analysis Run 11/8/2021 1:01 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



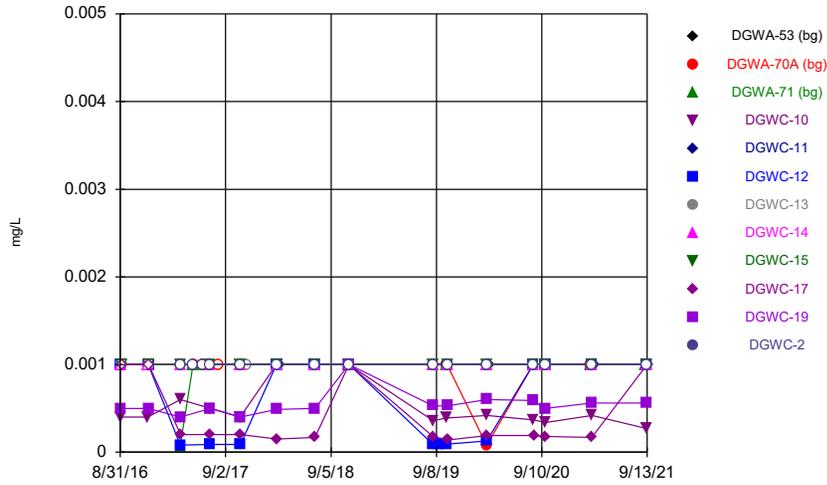
Constituent: Sulfate as SO4 Analysis Run 11/8/2021 1:01 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



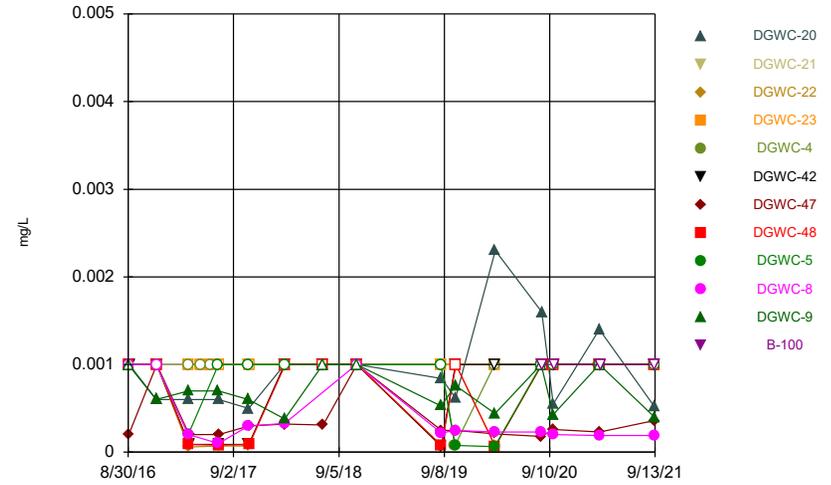
Constituent: Sulfate as SO4 Analysis Run 11/8/2021 1:01 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



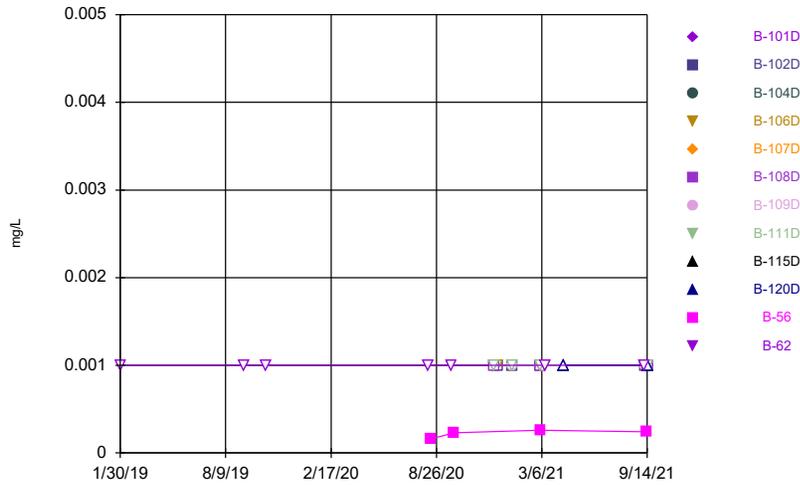
Constituent: Thallium Analysis Run 11/8/2021 1:01 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



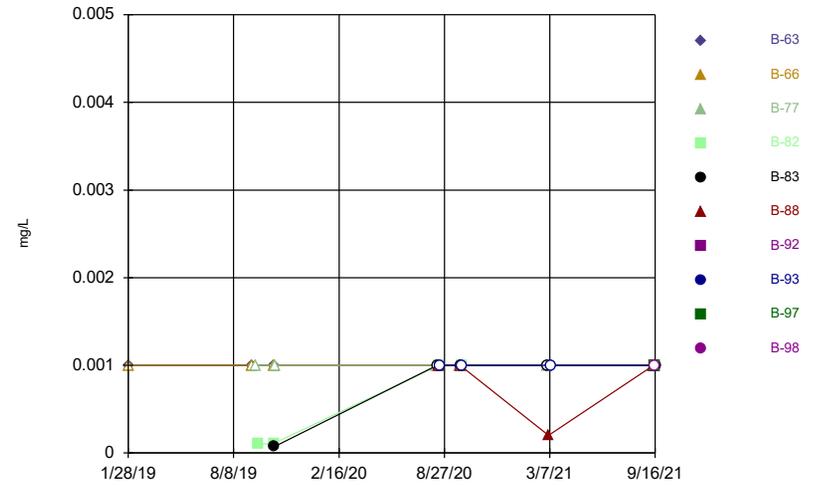
Constituent: Thallium Analysis Run 11/8/2021 1:01 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



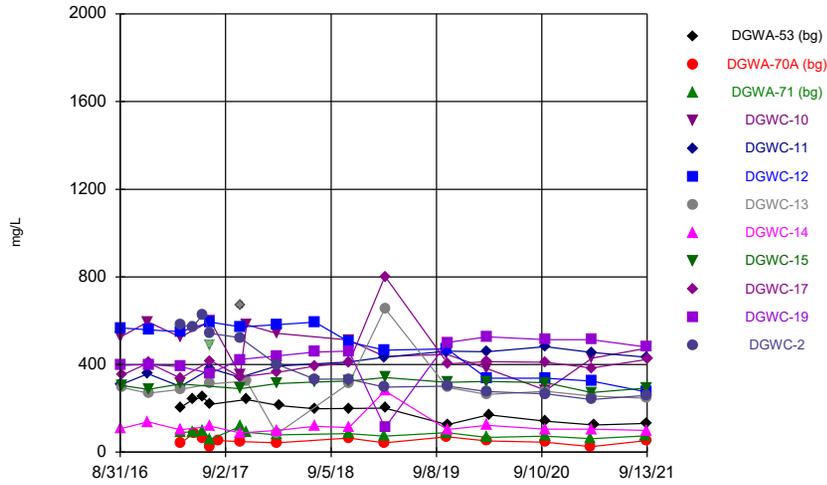
Constituent: Thallium Analysis Run 11/8/2021 1:01 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



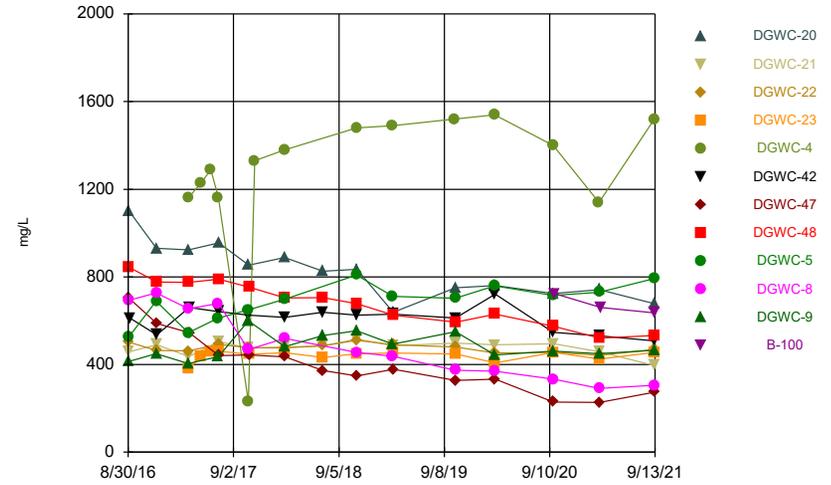
Constituent: Thallium Analysis Run 11/8/2021 1:01 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



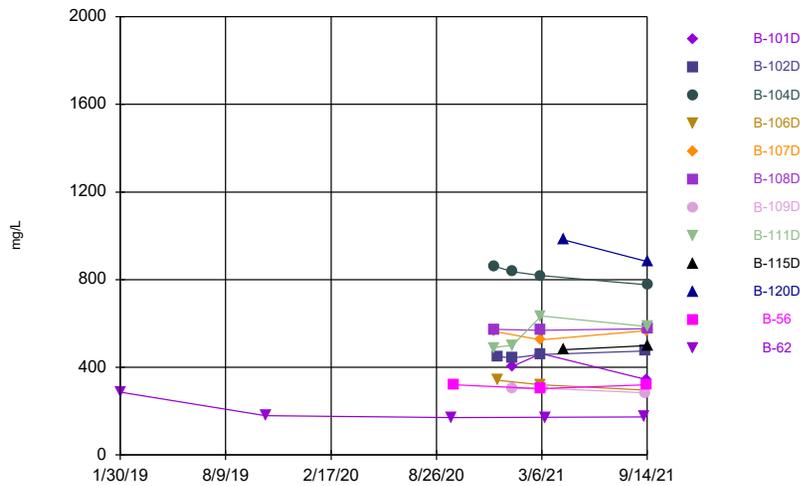
Constituent: Total Dissolved Solids [TDS] Analysis Run 11/8/2021 1:01 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



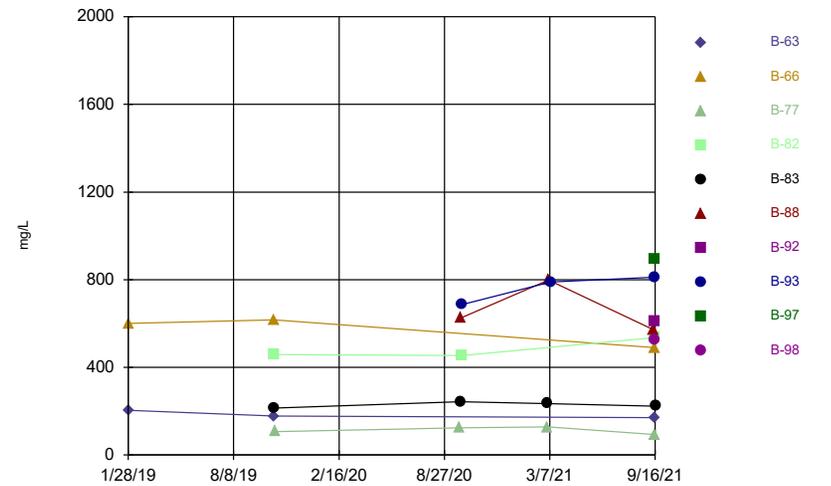
Constituent: Total Dissolved Solids [TDS] Analysis Run 11/8/2021 1:01 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 11/8/2021 1:01 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 11/8/2021 1:01 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-10	DGWC-11	DGWC-12	DGWC-13	DGWC-14	DGWC-15
8/31/2016				<0.003	<0.003			<0.003	
9/1/2016						<0.003			
9/6/2016							<0.003		<0.003
9/7/2016									
12/6/2016				<0.003	<0.003			<0.003	
12/7/2016						<0.003	<0.003		<0.003
12/8/2016									
3/28/2017	<0.003	<0.003	0.0007 (J)						
3/29/2017				<0.003	<0.003	<0.003		<0.003	
3/30/2017							<0.003		<0.003
5/11/2017	<0.003								
5/12/2017			<0.003						
5/15/2017		<0.003							
6/15/2017	0.0006 (J)	<0.003							
6/16/2017			0.0007 (J)						
7/11/2017		<0.003	<0.003						
7/12/2017	<0.003			<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
8/8/2017		<0.003							
10/24/2017	<0.003	<0.003	<0.003	<0.003	<0.003				
10/25/2017						<0.003		<0.003	<0.003
11/15/2017							<0.003		
2/27/2018		<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	
2/28/2018							<0.003		<0.003
3/8/2018	<0.003								
7/11/2018						<0.003		<0.003	<0.003
7/12/2018	<0.003								
11/6/2018		<0.003	<0.003	<0.003	<0.003				
11/7/2018	<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	<0.003	
8/28/2019	<0.003						<0.003		0.00033 (J)
9/17/2019						<0.003			
10/15/2019		<0.003	<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									
3/2/2020		<0.003	0.0018 (J)		<0.003	0.0003 (J)			
3/3/2020				<0.003			<0.003	<0.003	<0.003
3/4/2020									
3/9/2020	<0.003								
8/11/2020		0.0013 (J)	0.0018 (J)	<0.003	<0.003	<0.003		<0.003	
8/12/2020							<0.003		
8/13/2020	0.0003 (J)								0.00073 (J)
8/14/2020									
9/22/2020	<0.003	<0.003	<0.003		<0.003	<0.003		0.0011 (J)	
9/23/2020							<0.003		<0.003
9/24/2020				<0.003					
3/1/2021		<0.003	0.0019 (J)						
3/2/2021					<0.003		<0.003	<0.003	<0.003
3/3/2021						<0.003			
3/4/2021				<0.003					
3/12/2021	<0.003								
9/8/2021			<0.003						

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		<0.003	
9/6/2016			
9/7/2016	<0.003		
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			
5/15/2017			
6/15/2017			0.0006 (J)
6/16/2017			
7/11/2017			<0.003
7/12/2017	<0.003	<0.003	
8/8/2017			
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	
3/8/2018			
7/11/2018	<0.003	<0.003	<0.003
7/12/2018			
11/6/2018			<0.003
11/7/2018	<0.003	<0.003	
8/27/2019	<0.003		<0.003
8/28/2019		<0.003	
9/17/2019			
10/15/2019			
10/16/2019		<0.003	
10/17/2019			<0.003
10/18/2019	<0.003		
3/2/2020			
3/3/2020		<0.003	<0.003
3/4/2020	<0.003		
3/9/2020			
8/11/2020		<0.003	<0.003
8/12/2020			
8/13/2020			
8/14/2020	<0.003		
9/22/2020		0.00036 (J)	
9/23/2020			<0.003
9/24/2020	0.00045 (J)		
3/1/2021			
3/2/2021		<0.003	<0.003
3/3/2021	<0.003		
3/4/2021			
3/12/2021			
9/8/2021			

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
9/9/2021		<0.003	<0.003
9/10/2021			
9/13/2021	<0.003		

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
9/9/2021		<0.003		<0.003					
9/10/2021	<0.003		<0.003		<0.003		<0.003	0.0018 (J)	<0.003
9/13/2021						<0.003			

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	<0.003	<0.003	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	<0.003	<0.003	
12/7/2016			
12/8/2016			
3/28/2017		<0.003	
3/29/2017	<0.003		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	<0.003	<0.003	
7/12/2017			
7/13/2017			
10/24/2017	<0.003	<0.003	
10/25/2017			
10/26/2017			
2/27/2018	<0.003	<0.003	
2/28/2018			
3/1/2018			
3/2/2018			
7/11/2018		<0.003	
7/12/2018			
11/6/2018	<0.003	<0.003	
11/7/2018			
11/8/2018			
8/27/2019		<0.003	
8/28/2019	<0.003		
8/29/2019			
10/15/2019			
10/16/2019	<0.003		
10/17/2019		<0.003	
10/18/2019			
3/2/2020			
3/3/2020	<0.003	<0.003	
3/4/2020			
8/11/2020		<0.003	
8/12/2020	<0.003		
8/13/2020			
8/14/2020			
8/17/2020			0.0013 (J)
9/22/2020		<0.003	
9/23/2020	<0.003		
9/24/2020			
9/25/2020			<0.003
3/1/2021			
3/2/2021	0.00046 (J)	<0.003	
3/3/2021			
3/8/2021			0.0017 (J)

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
9/9/2021			
9/10/2021		<0.003	
9/13/2021	<0.003		<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
1/30/2019									
9/11/2019									
10/21/2019									
8/13/2020									
8/17/2020									
9/24/2020									
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	
1/13/2021							0.00042 (J)		
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							0.00084 (J)		
3/12/2021									
4/14/2021									<0.003
4/15/2021									
9/9/2021									
9/10/2021		<0.003					0.004		
9/13/2021	0.001 (J)			<0.003	<0.003				
9/14/2021			<0.003			<0.003		<0.003	<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	B-120D	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)
9/28/2020		<0.003	
12/9/2020			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		<0.003	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			<0.003
4/14/2021			
4/15/2021	0.00029 (J)		
9/9/2021			<0.003
9/10/2021			
9/13/2021		<0.003	
9/14/2021	<0.003		

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/8/2021 1:03 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
1/28/2019	<0.003								
1/30/2019		<0.003							
9/11/2019	<0.003								
9/12/2019		<0.003							
9/18/2019			<0.003						
9/23/2019				<0.003					
10/21/2019		<0.003		<0.003	<0.003				
10/22/2019	0.00066 (J)								
10/24/2019			<0.003						
8/13/2020			0.00043 (J)						
8/14/2020					<0.003				
8/17/2020				<0.003		<0.003			
8/19/2020								<0.003	
9/24/2020			0.00036 (J)						
9/25/2020					<0.003	<0.003			
9/28/2020				<0.003				0.0014 (J)	
3/4/2021			0.00063 (J)		<0.003				
3/5/2021						<0.003			
3/9/2021								<0.003	
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				

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-98

1/28/2019
1/30/2019
9/11/2019
9/12/2019
9/18/2019
9/23/2019
10/21/2019
10/22/2019
10/24/2019
8/13/2020
8/14/2020
8/17/2020
8/19/2020
9/24/2020
9/25/2020
9/28/2020
3/4/2021
3/5/2021
3/9/2021
9/13/2021
9/14/2021
9/15/2021
9/16/2021

<0.003

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-10	DGWC-11	DGWC-12	DGWC-13	DGWC-14	DGWC-15
8/31/2016				0.0058	<0.005			<0.005	
9/1/2016						<0.005			
9/6/2016							<0.005		<0.005
9/7/2016									
12/6/2016				0.0017 (J)	<0.005			<0.005	
12/7/2016						<0.005	<0.005		<0.005
12/8/2016									
3/28/2017	0.0005 (J)	<0.005	<0.005						
3/29/2017				0.0055	<0.005	<0.005		<0.005	
3/30/2017							<0.005		0.0006 (J)
5/11/2017	0.0005 (J)								
5/12/2017			0.0004 (J)						
5/15/2017		<0.005							
6/15/2017	<0.005	<0.005							
6/16/2017			<0.005						
7/11/2017		<0.005	<0.005						
7/12/2017	<0.005			0.0042 (J)	<0.005	<0.005	<0.005	<0.005	<0.005
8/8/2017		<0.005							
10/24/2017	<0.005	<0.005	<0.005	0.0058	<0.005				
10/25/2017						0.0006 (J)		<0.005	<0.005
11/15/2017							<0.005		
2/27/2018		<0.005	<0.005	0.0105	<0.005	<0.005		<0.005	
2/28/2018							<0.005		<0.005
3/8/2018	<0.005								
7/11/2018						<0.005		<0.005	<0.005
7/12/2018	<0.005								
11/6/2018		<0.005	<0.005	<0.005 (J)	<0.005				
11/7/2018	<0.005 (J)					<0.005	<0.005	<0.005	<0.005
8/27/2019		<0.005	<0.005	0.0024 (J)	<0.005	<0.005		<0.005	
8/28/2019	<0.005						<0.005		<0.005
9/17/2019						<0.005			
10/15/2019		0.00052 (J)	0.00071 (J)	0.0078	<0.005	0.00063 (J)			
10/16/2019	0.0018 (J)						<0.005	0.00039 (J)	
10/17/2019									0.00064 (J)
10/18/2019									
3/2/2020		<0.005	<0.005		<0.005	<0.005			
3/3/2020				0.0025 (J)			<0.005	<0.005	<0.005
3/4/2020									
3/9/2020	0.00068 (J)								
8/11/2020		<0.005	<0.005	0.0028 (J)	<0.005	<0.005		<0.005	
8/12/2020							<0.005		
8/13/2020	<0.005								0.0013 (J)
8/14/2020									
9/22/2020	0.00093 (J)	<0.005	<0.005		<0.005	<0.005		<0.005	
9/23/2020							<0.005		<0.005
9/24/2020				0.0078					
3/1/2021		<0.005	<0.005						
3/2/2021					<0.005		<0.005	<0.005	<0.005
3/3/2021						<0.005			
3/4/2021				0.006					
3/12/2021	<0.005								
9/8/2021			<0.005						

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		0.0022 (J)	
9/6/2016			
9/7/2016	<0.005		
12/6/2016			
12/7/2016		<0.005	
12/8/2016	<0.005		
3/28/2017			
3/29/2017		0.002 (J)	
3/30/2017	0.0008 (J)		<0.005
5/11/2017			<0.005
5/12/2017			
5/15/2017			
6/15/2017			<0.005
6/16/2017			
7/11/2017			<0.005
7/12/2017	<0.005	0.0016 (J)	
8/8/2017			
10/24/2017			<0.005
10/25/2017	0.0007 (J)	0.0022 (J)	
11/15/2017			
2/27/2018			<0.005
2/28/2018	0.00073 (J)	0.0028 (J)	
3/8/2018			
7/11/2018	<0.005	0.0009 (J)	<0.005
7/12/2018			
11/6/2018			<0.005
11/7/2018	<0.005	<0.005 (J)	
8/27/2019	<0.005		0.00099 (J)
8/28/2019		0.00049 (J)	
9/17/2019			
10/15/2019			
10/16/2019		0.00046 (J)	
10/17/2019			<0.005
10/18/2019	0.0012 (J)		
3/2/2020			
3/3/2020		<0.005	0.0025 (J)
3/4/2020	0.0014 (J)		
3/9/2020			
8/11/2020		0.0014 (J)	<0.005
8/12/2020			
8/13/2020			
8/14/2020	<0.005		
9/22/2020		0.0017 (J)	
9/23/2020			<0.005
9/24/2020	0.0011 (J)		
3/1/2021			
3/2/2021		0.0013 (J)	<0.005
3/3/2021	<0.005		
3/4/2021			
3/12/2021			
9/8/2021			

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
9/9/2021		0.0027 (J)	<0.005
9/10/2021			
9/13/2021	<0.005		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
8/30/2016									
8/31/2016									0.0035 (J)
9/1/2016							0.0037 (J)	<0.005	
9/2/2016	0.0159	<0.005	<0.005						
9/7/2016						<0.005			
12/6/2016									0.0032 (J)
12/7/2016	0.0037 (J)								
12/8/2016		<0.005	<0.005			<0.005	0.0032 (J)	<0.005	
3/28/2017					0.0005 (J)				0.0385
3/29/2017	0.015		<0.005						
3/30/2017		<0.005		<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
7/12/2017	0.0121	<0.005		<0.005					
7/13/2017			<0.005			<0.005	0.0018 (J)	0.0012 (J)	
10/24/2017					<0.005				
10/25/2017	0.0135	<0.005	<0.005			<0.005			0.0119
10/26/2017				<0.005			0.0016 (J)	0.0008 (J)	
2/27/2018					<0.005				0.0094
2/28/2018	0.0177	<0.005	0.001 (J)			0.0011 (J)			
3/1/2018				<0.005			0.0029 (J)		
3/2/2018								0.0017 (J)	
7/11/2018	0.0055	<0.005				<0.005			
7/12/2018			<0.005	<0.005			0.0023 (J)	0.0015 (J)	
11/6/2018					<0.005				<0.005
11/7/2018	0.0054	<0.005	<0.005			<0.005	<0.005 (J)	<0.005	
11/8/2018				<0.005					
8/27/2019					<0.005				<0.005
8/28/2019						<0.005			
8/29/2019	0.0064	<0.005	<0.005	<0.005			0.00089 (J)	<0.005	
10/15/2019					<0.005				
10/16/2019									0.0036 (J)
10/17/2019	0.0094	<0.005				<0.005	0.0013 (J)		
10/18/2019			<0.005	<0.005				0.00079 (J)	
3/2/2020					<0.005				0.0052
3/3/2020		<0.005	<0.005						
3/4/2020	0.029			<0.005		<0.005	0.0012 (J)	0.0006 (J)	
7/23/2020									
8/11/2020									
8/12/2020					<0.005		0.00081 (J)		0.002 (J)
8/13/2020	0.014			<0.005		<0.005		<0.005	
8/14/2020		<0.005	<0.005						
8/17/2020									
9/22/2020	0.0063				<0.005	<0.005			0.0062
9/23/2020							<0.005	<0.005	
9/24/2020		<0.005	<0.005	<0.005					
9/25/2020									
3/1/2021					<0.005				
3/2/2021	0.019								0.0013 (J)
3/3/2021		<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
3/8/2021									
9/9/2021		<0.005		<0.005					
9/10/2021	0.0083		<0.005		<0.005		0.0016 (J)	<0.005	0.0031 (J)
9/13/2021						<0.005			

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	<0.005	0.0241	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	<0.005	<0.005	
12/7/2016			
12/8/2016			
3/28/2017		0.0243	
3/29/2017	0.001 (J)		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	0.0012 (J)	0.0194	
7/12/2017			
7/13/2017			
10/24/2017	0.0015 (J)	0.0249	
10/25/2017			
10/26/2017			
2/27/2018	0.002 (J)	0.0405	
2/28/2018			
3/1/2018			
3/2/2018			
7/11/2018		0.016	
7/12/2018			
11/6/2018	<0.005	0.017	
11/7/2018			
11/8/2018			
8/27/2019		0.021	
8/28/2019	<0.005		
8/29/2019			
10/15/2019			
10/16/2019	<0.005		
10/17/2019		0.033	
10/18/2019			
3/2/2020			
3/3/2020	0.00096 (J)	0.015	
3/4/2020			
7/23/2020			<0.005
8/11/2020		0.022	
8/12/2020	<0.005		
8/13/2020			
8/14/2020			
8/17/2020			<0.005
9/22/2020		0.04	
9/23/2020	<0.005		
9/24/2020			
9/25/2020			<0.005
3/1/2021			
3/2/2021	<0.005	0.021	
3/3/2021			

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
3/8/2021			<0.005
9/9/2021			
9/10/2021		0.031	
9/13/2021	<0.005		<0.005

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
1/30/2019									
9/11/2019									
10/21/2019									
8/13/2020									
8/17/2020									
9/24/2020									
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	
1/13/2021							<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									
4/14/2021									0.0028 (J)
4/15/2021									
9/9/2021									
9/10/2021		<0.005					<0.005		
9/13/2021	<0.005			<0.005	<0.005				
9/14/2021			0.0019 (J)			<0.005		0.0029 (J)	0.0018 (J)

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	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			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		0.003 (J)	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			<0.005
4/14/2021			
4/15/2021	<0.005		
9/9/2021			<0.005
9/10/2021			
9/13/2021		0.0031 (J)	
9/14/2021	<0.005		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/8/2021 1:03 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							
2/19/2018		<0.005							
1/28/2019	<0.005								
1/30/2019		<0.005							
9/11/2019	<0.005								
9/12/2019		<0.005							
9/18/2019			<0.005						
9/23/2019				<0.005					
10/21/2019		<0.005		<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		<0.005			
8/19/2020								0.0013 (J)	
9/24/2020			0.0025 (J)						
9/25/2020					<0.005	<0.005			
9/28/2020				<0.005				0.0027 (J)	
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					
9/13/2021						<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				

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-98

11/22/2016
2/19/2018
1/28/2019
1/30/2019
9/11/2019
9/12/2019
9/18/2019
9/23/2019
10/21/2019
10/22/2019
10/24/2019
8/13/2020
8/14/2020
8/17/2020
8/19/2020
9/24/2020
9/25/2020
9/28/2020
3/4/2021
3/5/2021
3/9/2021
3/12/2021
9/13/2021
9/14/2021
9/15/2021
9/16/2021

<0.005

Time Series

Constituent: Barium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-10	DGWC-11	DGWC-12	DGWC-13	DGWC-14	DGWC-15
8/31/2016				0.0321	0.0545			0.0576	
9/1/2016						0.0254			
9/6/2016							0.0297		0.0497
9/7/2016									
12/6/2016				0.029	0.0564			0.0608	
12/7/2016						0.0241	0.0266		0.0469
12/8/2016									
3/28/2017	0.134	0.0166	0.0378						
3/29/2017				0.0335	0.0565	0.0268		0.0693	
3/30/2017							0.0308		0.0495
5/11/2017	0.126								
5/12/2017			0.04						
5/15/2017		0.0181							
6/15/2017	0.14	0.0277							
6/16/2017			0.0369						
7/11/2017		0.0306	0.0362						
7/12/2017	0.173			0.0314	0.0572	0.0262	0.0291	0.0585	0.0517
8/8/2017		0.0277							
10/24/2017	0.109	0.0333	0.0313	0.0317	0.0596				
10/25/2017						0.0268		0.0563	0.0474
11/15/2017							0.0309		
2/27/2018		0.0341	0.0287	0.028	0.0672	0.0255		0.0591	
2/28/2018							<0.01		0.0455
3/8/2018	0.19								
7/11/2018						0.026		0.061	0.05
7/12/2018	0.18								
11/6/2018		0.037	0.026	0.025	0.074				
11/7/2018	0.15					0.028	0.034	0.055	0.042
8/27/2019		0.037	0.027	0.021	0.071	0.024		0.059	
8/28/2019	0.087						0.033		0.047
9/17/2019						0.02			
10/15/2019		0.034	0.024	0.024	0.064	0.02			
10/16/2019	0.077						0.034	0.059	
10/17/2019									0.046
10/18/2019									
3/2/2020		0.035	0.026		0.071	0.04			
3/3/2020				0.024			0.035	0.064	0.05
3/4/2020									
3/9/2020	0.099								
8/11/2020		0.041	0.026	0.024	0.064	0.028		0.061	
8/12/2020							0.032		
8/13/2020	0.046								0.06
8/14/2020									
9/22/2020	0.07	0.038	0.024		0.058	0.036		0.06	
9/23/2020							0.03		0.043
9/24/2020				0.021					
3/1/2021		0.042	0.028						
3/2/2021					0.052		0.03	0.064	0.043
3/3/2021						0.035			
3/4/2021				0.025					
3/12/2021	0.076								
9/8/2021			0.025						

Time Series

Constituent: Barium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		0.0214	
9/6/2016			
9/7/2016	0.0694		
12/6/2016			
12/7/2016		0.0191	
12/8/2016	0.062		
3/28/2017			
3/29/2017		0.0209	
3/30/2017	0.0615		0.0232
5/11/2017			0.0231
5/12/2017			
5/15/2017			
6/15/2017			0.0223
6/16/2017			
7/11/2017			0.0201
7/12/2017	0.0532	0.0212	
8/8/2017			
10/24/2017			0.0206
10/25/2017	0.0544	0.021	
11/15/2017			
2/27/2018			0.0207
2/28/2018	0.0527	0.0213	
3/8/2018			
7/11/2018	0.053	0.023	0.022
7/12/2018			
11/6/2018			0.021
11/7/2018	0.044	0.024	
8/27/2019	0.05		0.023
8/28/2019		0.026	
9/17/2019			
10/15/2019			
10/16/2019		0.024	
10/17/2019			0.022
10/18/2019	0.045		
3/2/2020			
3/3/2020		0.028	0.022
3/4/2020	0.044		
3/9/2020			
8/11/2020		0.027	0.022
8/12/2020			
8/13/2020			
8/14/2020	0.046		
9/22/2020		0.026	
9/23/2020			0.023
9/24/2020	0.033		
3/1/2021			
3/2/2021		0.026	0.023
3/3/2021	0.036		
3/4/2021			
3/12/2021			
9/8/2021			

Time Series

Constituent: Barium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
9/9/2021		0.025	0.022
9/10/2021			
9/13/2021	0.031		

Time Series

Constituent: Barium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
9/9/2021		0.023		0.021					
9/10/2021	0.0098		0.027		0.032		0.021	0.013	0.015
9/13/2021						0.014			

Time Series

Constituent: Barium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	0.0435	0.0162	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	0.0431	0.0138	
12/7/2016			
12/8/2016			
3/28/2017		0.017	
3/29/2017	0.044		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	0.0389	0.0154 (J)	
7/12/2017			
7/13/2017			
10/24/2017	0.0369	0.0148	
10/25/2017			
10/26/2017			
2/27/2018	0.0346	0.0148	
2/28/2018			
3/1/2018			
3/2/2018			
7/11/2018		0.017	
7/12/2018			
11/6/2018	0.027	0.015	
11/7/2018			
11/8/2018			
8/27/2019		0.016	
8/28/2019	0.025		
8/29/2019			
10/15/2019			
10/16/2019	0.027		
10/17/2019		0.015	
10/18/2019			
3/2/2020			
3/3/2020	0.026	0.016	
3/4/2020			
8/11/2020		0.016	
8/12/2020	0.034		
8/13/2020			
8/14/2020			
8/17/2020			0.015
9/22/2020		0.015	
9/23/2020	0.025		
9/24/2020			
9/25/2020			0.022
3/1/2021			
3/2/2021	0.029	0.017	
3/3/2021			
3/8/2021			0.022

Time Series

Constituent: Barium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
9/9/2021			
9/10/2021		0.014	
9/13/2021	0.019		0.021

Time Series

Constituent: Barium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
1/30/2019									
9/11/2019									
10/21/2019									
8/13/2020									
8/17/2020									
9/24/2020									
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	
1/13/2021							0.06		
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							0.056		
3/12/2021									
4/14/2021									0.018
4/15/2021									
9/9/2021									
9/10/2021		0.02					0.022		
9/13/2021	0.076			0.02	0.087				
9/14/2021			0.021			0.06		0.043	0.016

Time Series

Constituent: Barium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	B-120D	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
9/28/2020		0.026	
12/9/2020			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		0.028	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			0.027
4/14/2021			
4/15/2021	0.044		
9/9/2021			0.021
9/10/2021			
9/13/2021		0.026	
9/14/2021	0.031		

Time Series

Constituent: Barium (mg/L) Analysis Run 11/8/2021 1:03 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
1/28/2019	0.028								
1/30/2019		0.016							
9/11/2019	0.021								
9/12/2019		0.017							
9/18/2019			0.086						
9/23/2019				0.031					
10/21/2019		0.018		0.03	0.034				
10/22/2019	0.021								
10/24/2019			0.1						
8/13/2020			0.11						
8/14/2020					0.056				
8/17/2020				0.024		0.022			
8/19/2020								0.018	
9/24/2020			0.12						
9/25/2020					0.027	0.021			
9/28/2020				0.023				0.017	
3/4/2021			0.11		0.032				
3/5/2021						0.022			
3/9/2021								0.016 (J)	
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				

Time Series

Constituent: Barium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

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1/28/2019	
1/30/2019	
9/11/2019	
9/12/2019	
9/18/2019	
9/23/2019	
10/21/2019	
10/22/2019	
10/24/2019	
8/13/2020	
8/14/2020	
8/17/2020	
8/19/2020	
9/24/2020	
9/25/2020	
9/28/2020	
3/4/2021	
3/5/2021	
3/9/2021	
9/13/2021	
9/14/2021	
9/15/2021	0.082
9/16/2021	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		0.0019 (J)	
9/6/2016			
9/7/2016	0.0006 (J)		
12/6/2016			
12/7/2016		0.0021 (J)	
12/8/2016	0.0005 (J)		
3/28/2017			
3/29/2017		0.0017 (J)	
3/30/2017	0.0006 (J)		<0.0005
5/11/2017			<0.0005
5/12/2017			
5/15/2017			
6/15/2017			<0.0005
6/16/2017			
7/11/2017			<0.0005
7/12/2017	0.0005 (J)	0.0018 (J)	
8/8/2017			
10/24/2017			<0.0005
10/25/2017	0.0005 (J)	0.0019 (J)	
11/15/2017			
2/27/2018			<0.0005
2/28/2018	<0.0005	<0.0005	
3/8/2018			
7/10/2018			
7/11/2018	0.00058 (J)	0.002 (J)	<0.0005
7/12/2018			
11/6/2018			<0.0005
11/7/2018	<0.0005	<0.003 (J)	
8/27/2019	0.00066 (J)		<0.0005
8/28/2019		0.0018 (J)	
9/17/2019			
10/15/2019			
10/16/2019		0.0017 (J)	
10/17/2019			<0.0005
10/18/2019	0.00071 (J)		
3/2/2020			
3/3/2020		0.0021 (J)	<0.0005
3/4/2020	0.00062 (J)		
3/9/2020			
8/11/2020		0.002 (J)	<0.0005
8/12/2020			
8/13/2020			
8/14/2020	0.00064 (J)		
9/22/2020		0.002 (J)	
9/23/2020			<0.0005
9/24/2020	0.0006 (J)		
3/1/2021			
3/2/2021		0.0019	<0.0005
3/3/2021	0.00056		
3/4/2021			
3/12/2021			

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
9/8/2021			
9/9/2021		0.0022	<0.0005
9/10/2021			
9/13/2021	0.00052		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
9/9/2021		0.00018 (J)		0.0005 (J)					
9/10/2021	0.0024		0.00014 (J)		0.00028 (J)		0.009	0.007	0.0075
9/13/2021						0.0024			

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	0.0018 (J)	0.0045	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	0.0034	0.005	
12/7/2016			
12/8/2016			
3/28/2017		0.0052	
3/29/2017	0.0031		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	0.0022 (J)	0.0048	
7/12/2017			
7/13/2017			
10/24/2017	0.0042	0.0051	
10/25/2017			
10/26/2017			
2/27/2018	0.0047	0.0057	
2/28/2018			
3/1/2018			
3/2/2018			
7/11/2018		0.0058	
7/12/2018			
11/6/2018	<0.003 (J)	0.006	
11/7/2018			
11/8/2018			
8/27/2019		0.007	
8/28/2019	0.0021 (J)		
8/29/2019			
10/15/2019			
10/16/2019	0.0019 (J)		
10/17/2019		0.0063	
10/18/2019			
3/2/2020			
3/3/2020	0.0018 (J)	0.0048	
3/4/2020			
8/11/2020		0.0062	
8/12/2020	0.0018 (J)		
8/13/2020			
8/14/2020			
8/17/2020			0.0004 (J)
9/22/2020		0.0049	
9/23/2020	0.0015 (J)		
9/24/2020			
9/25/2020			0.00035 (J)
3/1/2021			
3/2/2021	0.0012	0.005	
3/3/2021			
3/8/2021			0.00046 (J)

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
9/9/2021			
9/10/2021		0.0049	
9/13/2021	0.0015		0.00053

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
10/6/2016									
1/30/2019									
9/11/2019									
10/21/2019									
8/13/2020									
8/17/2020									
9/24/2020									
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	
1/13/2021							5.9E-05 (J)		
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							7.9E-05 (J)		
3/12/2021									
4/14/2021									0.012
4/15/2021									
9/9/2021									
9/10/2021		0.0011					<0.0005		
9/13/2021	6.7E-05 (J)			0.00013 (J)	<0.0005				
9/14/2021			0.0011			<0.0005		<0.0005	0.011

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	B-120D	B-56	B-62
10/6/2016			9E-05 (J)
1/30/2019			<0.0005
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)
9/28/2020		0.0012 (J)	
12/9/2020			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		0.0011	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			<0.0005
4/14/2021			
4/15/2021	0.00085		
9/9/2021			0.00014 (J)
9/10/2021			
9/13/2021		0.0012	
9/14/2021	0.00087		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 1:03 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							
2/19/2018	0.00049 (J)	<0.0005							
1/28/2019	<0.0005								
1/30/2019		<0.0005							
9/11/2019	0.00035 (J)								
9/12/2019		<0.0005							
9/18/2019			0.00011 (J)						
9/23/2019				0.0015 (J)					
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									<0.0005
2/27/2020									0.0019 (J)
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	
9/24/2020			5.3E-05 (J)						
9/25/2020					0.00028 (J)	0.00063 (J)			
9/28/2020				0.0015 (J)				0.015	
3/4/2021			5.7E-05 (J)		0.00037 (J)				
3/5/2021						0.005			
3/9/2021							0.017	0.017	0.0019
3/15/2021									
9/13/2021						0.001			
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)				

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

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10/7/2016	
11/22/2016	
2/19/2018	
1/28/2019	
1/30/2019	
9/11/2019	
9/12/2019	
9/18/2019	
9/23/2019	
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
8/13/2020	
8/14/2020	
8/17/2020	
8/19/2020	
9/24/2020	
9/25/2020	
9/28/2020	
3/4/2021	
3/5/2021	
3/9/2021	
3/15/2021	<0.0005
9/13/2021	
9/14/2021	
9/15/2021	0.00087
9/16/2021	

Time Series

Constituent: Boron, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		3.08	
9/6/2016			
9/7/2016	0.683		
12/6/2016			
12/7/2016		3.34	
12/8/2016	0.688		
3/28/2017			
3/29/2017		3.96	
3/30/2017	0.743		1.56
5/11/2017			1.65
5/12/2017			
5/15/2017			
6/15/2017			1.44
6/16/2017			
7/11/2017			1.39
7/12/2017	0.62	2.82	
8/8/2017			
10/24/2017			1.18
10/25/2017	0.739	3.19	
11/15/2017			
2/27/2018			1.12
2/28/2018	0.627	2.91	
3/8/2018			
7/11/2018	0.79	3.7	0.82
7/12/2018			
11/6/2018			0.9
11/7/2018	1.6	2.6	
3/12/2019			0.72
3/13/2019	0.76	2.6	
3/14/2019			
9/17/2019			
10/15/2019			
10/16/2019		2.2	
10/17/2019			0.73
10/18/2019	0.82		
3/2/2020			
3/3/2020		3.1	0.68
3/4/2020	0.85		
3/9/2020			
9/22/2020		2.6	
9/23/2020			0.57
9/24/2020	0.88		
3/1/2021			
3/2/2021		2.3	0.52
3/3/2021	0.71		
3/4/2021			
3/12/2021			
9/8/2021			
9/9/2021		2.7	0.51
9/10/2021			
9/13/2021	0.78		

Time Series

Constituent: Boron, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
8/30/2016									
8/31/2016									7.5
9/1/2016							0.345	0.955	
9/2/2016	6.77	4.81	3.99						
9/7/2016						0.924			
12/6/2016									5.64
12/7/2016	6.04								
12/8/2016		3.57	3.1			0.957	0.352	0.919	
3/28/2017					4.01				6.16
3/29/2017	8.23		4.85						
3/30/2017		5.68		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
7/12/2017	6.81	5.2		3.74					
7/13/2017			3.85			1.03	0.28	0.972	
10/24/2017					3.82				
10/25/2017	8.94	7.92	3.9			0.982			4
10/26/2017				4.07			0.269	0.746	
2/27/2018					4.06				4.29
2/28/2018	6.26	5.89	5.14			0.918			
3/1/2018				4.37			0.296		
3/2/2018								0.878	
7/11/2018	5.7	8.3				0.83			
7/12/2018			3.6	4			0.26	0.82	
11/6/2018					4.1				4.2
11/7/2018	5	4.9	3.3			0.89	0.3	0.74	
11/8/2018				4.7					
3/12/2019					4.6				4.3
3/13/2019	5.6	6.2							
3/14/2019			4.1	4.7		0.89	0.26	0.72	
10/15/2019					5				
10/16/2019									4.3
10/17/2019	5	7				0.94	0.25		
10/18/2019			4.2	4.5				0.74	
3/2/2020					5.9				5.5
3/3/2020		6.8	4.6						
3/4/2020	3.6			4.8		1	0.24	0.77	
9/22/2020	4.9				4.3	0.88			4.6
9/23/2020							0.21	0.65	
9/24/2020		6.1	4.1	4.6					
9/25/2020									
3/1/2021					4.7				
3/2/2021	3.4								4.3
3/3/2021		5.3	3.9	4		0.87	0.17	0.57	
3/8/2021									
9/9/2021		5.8		4.7					
9/10/2021	4.8		4.5		5		0.16	0.55	4.7
9/13/2021						0.95			

Time Series

Constituent: Boron, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	2.63	1.72	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	2.72	1.92	
12/7/2016			
12/8/2016			
3/28/2017		2.01	
3/29/2017	3.04		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	2.55	1.78	
7/12/2017			
7/13/2017			
10/24/2017	2.29	1.72	
10/25/2017			
10/26/2017			
2/27/2018	2.07	1.68	
2/28/2018			
3/1/2018			
3/2/2018			
7/11/2018		1.4	
7/12/2018			
11/6/2018	1.7	1.4	
11/7/2018			
11/8/2018			
3/12/2019	1.5	1.2	
3/13/2019			
3/14/2019			
10/15/2019			
10/16/2019	1.2		
10/17/2019		1.2	
10/18/2019			
3/2/2020			
3/3/2020	1.5	1.1	
3/4/2020			
9/22/2020		0.78	
9/23/2020	1		
9/24/2020			
9/25/2020			0.27
3/1/2021			
3/2/2021	0.96	0.77	
3/3/2021			
3/8/2021			0.24
9/9/2021			
9/10/2021		0.54	
9/13/2021	0.86		0.24

Time Series

Constituent: Boron, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
10/6/2016									
1/30/2019									
9/11/2019									
10/21/2019									
9/24/2020									
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	
1/13/2021							0.46		
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							0.55		
3/12/2021									
4/14/2021									0.69
4/15/2021									
9/9/2021									
9/10/2021		2.5					0.41		
9/13/2021	1.6			1.3	10.7				
9/14/2021			0.23			6.8		0.32	0.61

Time Series

Constituent: Boron, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	B-120D	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)
9/28/2020		1.4	
12/9/2020			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		1.4	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			0.092 (J)
4/14/2021			
4/15/2021	1.9		
9/9/2021			0.068
9/10/2021			
9/13/2021		1.5	
9/14/2021	1.7		

Time Series

Constituent: Boron, total (mg/L) Analysis Run 11/8/2021 1:03 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							
1/28/2019	0.44								
1/30/2019		2							
9/11/2019	0.26								
9/12/2019		2							
9/18/2019			0.3						
9/23/2019				1.4					
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	
9/24/2020			0.27						
9/25/2020					0.35	1.8			
9/28/2020				1.1				3	
3/4/2021			0.35		0.33				
3/5/2021						3.5			
3/9/2021							2.9	3.4	
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				

Time Series

Constituent: Boron, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-98

11/22/2016
1/28/2019
1/30/2019
9/11/2019
9/12/2019
9/18/2019
9/23/2019
10/21/2019
10/22/2019
10/24/2019
11/22/2019
12/18/2019
12/19/2019
9/24/2020
9/25/2020
9/28/2020
3/4/2021
3/5/2021
3/9/2021
9/13/2021
9/14/2021
9/15/2021
9/16/2021

2.6

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-10	DGWC-11	DGWC-12	DGWC-13	DGWC-14	DGWC-15
8/31/2016				0.0012	<0.0005			<0.0005	
9/1/2016						0.0004 (J)			
9/6/2016							<0.0005		<0.0005
9/7/2016									
12/6/2016				0.0013	<0.0005			<0.0005	
12/7/2016						0.0003 (J)	0.0002 (J)		9E-05 (J)
12/8/2016									
3/28/2017	<0.0005	<0.0005	<0.0005						
3/29/2017				0.0013	<0.0005	0.0003 (J)		<0.0005	
3/30/2017							8E-05 (J)		9E-05 (J)
5/11/2017	8E-05 (J)								
5/12/2017			<0.0005						
5/15/2017		<0.0005							
6/15/2017	<0.0005	<0.0005							
6/16/2017			<0.0005						
7/11/2017		<0.0005	<0.0005						
7/12/2017	<0.0005			0.0013	<0.0005	0.0004 (J)	<0.0005	<0.0005	<0.0005
8/8/2017		<0.0005							
10/24/2017	<0.0005	<0.0005	<0.0005	0.0014	<0.0005				
10/25/2017						0.0004 (J)		<0.0005	<0.0005
11/15/2017							<0.0005		
2/27/2018		<0.0005	<0.0005	0.001	<0.0005	<0.0005		<0.0005	
2/28/2018							<0.0005		<0.0005
3/8/2018	<0.0005								
7/11/2018						0.00033 (J)		<0.0005	<0.0005
7/12/2018	0.00013 (J)								
11/6/2018		<0.0005	<0.0005	0.0012	<0.0005				
11/7/2018	<0.0005					<0.001 (J)	<0.0005	<0.0005	<0.001 (J)
8/27/2019		<0.0005	<0.0005	0.00077 (J)	0.00012 (J)	0.00037 (J)		<0.0005	
8/28/2019	<0.0005						<0.0005		<0.0005
9/17/2019						0.00035 (J)			
10/15/2019		<0.0005	<0.0005	0.00095 (J)	<0.0005	0.00025 (J)			
10/16/2019	<0.0005						<0.0005	<0.0005	
10/17/2019									<0.0005
10/18/2019									
3/2/2020		0.00041 (J)	<0.0005		<0.0005	<0.0005			
3/3/2020				0.00095 (J)			<0.0005	<0.0005	0.00012 (J)
3/4/2020									
3/9/2020	<0.0005								
8/11/2020		<0.0005	<0.0005	0.00071 (J)	<0.0005	0.00038 (J)		<0.0005	
8/12/2020							<0.0005		
8/13/2020	<0.0005								0.00013 (J)
8/14/2020									
9/22/2020	<0.0005	<0.0005	<0.0005		0.00016 (J)	0.00017 (J)		<0.0005	
9/23/2020							<0.0005		<0.0005
9/24/2020				0.00055 (J)					
3/1/2021		<0.0005	<0.0005						
3/2/2021					0.00013 (J)		<0.0005	<0.0005	<0.0005
3/3/2021						0.00016 (J)			
3/4/2021				0.00088					
3/12/2021	<0.0005								
9/8/2021			<0.0005						

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		0.0004 (J)	
9/6/2016			
9/7/2016	0.0003 (J)		
12/6/2016			
12/7/2016		0.0004 (J)	
12/8/2016	0.0003 (J)		
3/28/2017			
3/29/2017		0.0004 (J)	
3/30/2017	0.0003 (J)		0.0005 (J)
5/11/2017			0.0004 (J)
5/12/2017			
5/15/2017			
6/15/2017			0.0003 (J)
6/16/2017			
7/11/2017			0.0003 (J)
7/12/2017	0.0002 (J)	0.0004 (J)	
8/8/2017			
10/24/2017			0.0003 (J)
10/25/2017	0.0002 (J)	0.0004 (J)	
11/15/2017			
2/27/2018			<0.0005
2/28/2018	<0.0005	<0.0005	
3/8/2018			
7/11/2018	0.00029 (J)	0.00039 (J)	0.00018 (J)
7/12/2018			
11/6/2018			<0.001 (J)
11/7/2018	<0.0005	<0.001 (J)	
8/27/2019	0.00033 (J)		0.00012 (J)
8/28/2019		0.00033 (J)	
9/17/2019			
10/15/2019			
10/16/2019		0.00034 (J)	
10/17/2019			0.00013 (J)
10/18/2019	0.00029 (J)		
3/2/2020			
3/3/2020		0.00037 (J)	0.00014 (J)
3/4/2020	0.00028 (J)		
3/9/2020			
8/11/2020		0.0003 (J)	<0.0005
8/12/2020			
8/13/2020			
8/14/2020	0.00029 (J)		
9/22/2020		0.00036 (J)	
9/23/2020			0.00013 (J)
9/24/2020	0.00024 (J)		
3/1/2021			
3/2/2021		0.00035 (J)	<0.0005
3/3/2021	0.00023 (J)		
3/4/2021			
3/12/2021			
9/8/2021			

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
9/9/2021		0.00037 (J)	<0.0005
9/10/2021			
9/13/2021	0.00023 (J)		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
9/9/2021		0.00012 (J)		0.00019 (J)					
9/10/2021	0.0012		0.00061		0.0009		0.0014	0.0028	0.00093
9/13/2021						0.00042 (J)			

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	0.0019	0.0004 (J)	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	0.0025	0.0005 (J)	
12/7/2016			
12/8/2016			
3/28/2017		0.0005 (J)	
3/29/2017	0.0024		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	0.0021	0.0005 (J)	
7/12/2017			
7/13/2017			
10/24/2017	0.0029	0.0006 (J)	
10/25/2017			
10/26/2017			
2/27/2018	0.0029	<0.0005	
2/28/2018			
3/1/2018			
3/2/2018			
7/11/2018		0.00067 (J)	
7/12/2018			
11/6/2018	0.0027	<0.001 (J)	
11/7/2018			
11/8/2018			
8/27/2019		0.00071 (J)	
8/28/2019	0.0022 (J)		
8/29/2019			
10/15/2019			
10/16/2019	0.0022 (J)		
10/17/2019		0.00064 (J)	
10/18/2019			
3/2/2020			
3/3/2020	0.002 (J)	0.00059 (J)	
3/4/2020			
8/11/2020		0.00059 (J)	
8/12/2020	0.0021 (J)		
8/13/2020			
8/14/2020			
8/17/2020			0.00059 (J)
9/22/2020		0.00059 (J)	
9/23/2020	0.0018 (J)		
9/24/2020			
9/25/2020			0.00027 (J)
3/1/2021			
3/2/2021	0.0017	0.00057	
3/3/2021			
3/8/2021			0.00027 (J)

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
9/9/2021			
9/10/2021		0.00053	
9/13/2021	0.002		0.00029 (J)

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
1/30/2019									
9/11/2019									
10/21/2019									
8/13/2020									
8/17/2020									
9/24/2020									
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	
1/13/2021							<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							<0.0005		
3/12/2021									
4/14/2021									0.00041 (J)
4/15/2021									
9/9/2021									
9/10/2021		0.00083					<0.0005		
9/13/2021	<0.0005			0.00024 (J)	<0.0005				
9/14/2021			<0.0005			<0.0005		<0.0005	0.00035 (J)

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	B-120D	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
9/28/2020		0.00024 (J)	
12/9/2020			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		0.00026 (J)	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			<0.0005
4/14/2021			
4/15/2021	0.001		
9/9/2021			<0.0005
9/10/2021			
9/13/2021		0.00028 (J)	
9/14/2021	0.0011		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/8/2021 1:03 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
1/28/2019	<0.0005								
1/30/2019		<0.0005							
9/11/2019	<0.0005								
9/12/2019		<0.0005							
9/18/2019			<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)								
10/24/2019			<0.0005						
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)	
9/24/2020			<0.0005						
9/25/2020					0.00026 (J)	0.00022 (J)			
9/28/2020				0.00066 (J)				0.00074 (J)	
3/4/2021			<0.0005		0.00032 (J)				
3/5/2021						0.0065			
3/9/2021								0.00075 (J)	
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)				

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-98

1/28/2019	
1/30/2019	
9/11/2019	
9/12/2019	
9/18/2019	
9/23/2019	
10/21/2019	
10/22/2019	
10/24/2019	
8/13/2020	
8/14/2020	
8/17/2020	
8/19/2020	
9/24/2020	
9/25/2020	
9/28/2020	
3/4/2021	
3/5/2021	
3/9/2021	
9/13/2021	
9/14/2021	
9/15/2021	0.0003 (J)
9/16/2021	

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		65.6	
9/6/2016			
9/7/2016	8.61		
12/6/2016			
12/7/2016		68.3	
12/8/2016	7.92		
3/28/2017			
3/29/2017		68	
3/30/2017	9.56		103
5/11/2017			102
5/12/2017			
5/15/2017			
6/15/2017			96.2
6/16/2017			
7/11/2017			98.4
7/12/2017	10.4	70	
8/8/2017			
10/24/2017			86
10/25/2017	10.9	77	
11/15/2017			
2/27/2018			66.7
2/28/2018	<25	72	
3/8/2018			
7/11/2018	13 (J)	82.7	55
7/12/2018			
11/6/2018			54.5
11/7/2018	37	81.7	
3/12/2019			52.2
3/13/2019	11.9 (J)	76.9	
3/14/2019			
10/15/2019			
10/16/2019		85.7	
10/17/2019			47.2
10/18/2019	12.9		
3/2/2020			
3/3/2020		86.8	48.4
3/4/2020	15.8		
3/9/2020			
9/22/2020		103	
9/23/2020			44.4
9/24/2020	12.7		
3/1/2021			
3/2/2021		93.2	44
3/3/2021	14.3		
3/4/2021			
3/12/2021			
9/8/2021			
9/9/2021		93.6	42
9/10/2021			
9/13/2021	15.8		

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
8/30/2016									
8/31/2016									82.6
9/1/2016							69.3	95.1	
9/2/2016	96.3	70.2	61.6						
9/7/2016						43.6			
12/6/2016									73.9
12/7/2016	91.9								
12/8/2016		70.1	60.1			45.8	71.1	105	
3/28/2017					229				89.1
3/29/2017	95.7		64.7						
3/30/2017		72.5		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
7/12/2017	100	80.4		70					
7/13/2017			67.2			52.3	52.5	102	
10/24/2017					232				
10/25/2017	97.3	75.6	66.8			50.9			95.6
10/26/2017				67.2			46.7	94	
2/27/2018					245				108
2/28/2018	86.3	73.2	62.3			45.1			
3/1/2018				66.5			44.2		
3/2/2018								86.6	
7/11/2018	92.4	82.3				47.8			
7/12/2018			71	72			41.6	89.1	
11/6/2018					284				124
11/7/2018	85.9	78.5	60.9			45.5	38.6	88	
11/8/2018				73.5					
3/12/2019					295				110
3/13/2019	86.4	79.9							
3/14/2019			64.8	73.2		43.5	36.6	74.6	
10/15/2019					276				
10/16/2019									109
10/17/2019	86.9	79.8				44.1	36.2		
10/18/2019			61.7	67.7				72.7	
3/2/2020					320				116
3/3/2020		87.4	68.7						
3/4/2020	103			69.8		48.8	36	79.7	
9/22/2020	79.2				263	43.8			99.2
9/23/2020							22.3	72.2	
9/24/2020		80	62.6	73.7					
9/25/2020									
3/1/2021					322				
3/2/2021	74.7								114
3/3/2021		82.1	62.3	68.1		38.8	25.5	66	
3/8/2021									
9/9/2021		75.3		76.4					
9/10/2021	69.8		62.3		285		24.4	68.7	123
9/13/2021						38.9			

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	82.7	64.9	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	76.8	59.3	
12/7/2016			
12/8/2016			
3/28/2017		71.6	
3/29/2017	90.5		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	91.1	73.7	
7/12/2017			
7/13/2017			
10/24/2017	78.1	92.5	
10/25/2017			
10/26/2017			
2/27/2018	64.2	73.1	
2/28/2018			
3/1/2018			
3/2/2018			
7/11/2018		88.5	
7/12/2018			
11/6/2018	57	81.1	
11/7/2018			
11/8/2018			
3/12/2019	54.3	78.1	
3/13/2019			
3/14/2019			
10/15/2019			
10/16/2019	47.3		
10/17/2019		75.6	
10/18/2019			
3/2/2020			
3/3/2020	46	59.5	
3/4/2020			
9/22/2020		54.7	
9/23/2020	39.3		
9/24/2020			
9/25/2020			44.7
3/1/2021			
3/2/2021	35.6	48.8	
3/3/2021			
3/8/2021			47.7
9/9/2021			
9/10/2021		47.7	
9/13/2021	36		51.5

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
1/30/2019									
10/21/2019									
9/24/2020									
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	
1/13/2021							40.3		
3/3/2021									
3/4/2021		79.7	150	42.1	83.9	86.6			
3/5/2021	68.9							110	
3/8/2021							40.2		
3/12/2021									
4/14/2021									52
4/15/2021									
9/9/2021									
9/10/2021		84.7					42.1		
9/13/2021	53.6			42.1	83.6				
9/14/2021			151			83.3		98.4	63

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	B-120D	B-56	B-62
1/30/2019			51.4
10/21/2019			31.2
9/24/2020			28.8
9/28/2020		15.1	
12/9/2020			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		18.5	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			28.8
4/14/2021			
4/15/2021	171		
9/9/2021			29.2
9/10/2021			
9/13/2021		15.2	
9/14/2021	162		

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 11/8/2021 1:03 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
1/28/2019	<25								
1/30/2019		62.4							
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
9/24/2020			17.9						
9/25/2020					39.8	79.8			
9/28/2020				26.5				110	
3/4/2021			14.8		39.1				
3/5/2021						128			
3/9/2021								127	
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				

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-98

1/28/2019	
1/30/2019	
10/21/2019	
10/22/2019	
10/24/2019	
11/22/2019	
12/18/2019	
12/19/2019	
2/17/2020	85.9
9/24/2020	
9/25/2020	
9/28/2020	
3/4/2021	
3/5/2021	
3/9/2021	
9/13/2021	
9/14/2021	
9/15/2021	105
9/16/2021	

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		41	
9/6/2016			
9/7/2016	17		
12/6/2016			
12/7/2016		41	
12/8/2016	19		
3/28/2017			
3/29/2017		42	
3/30/2017	20		4.8
5/11/2017			4.4
5/12/2017			
5/15/2017			
6/15/2017			4.8
6/16/2017			
7/11/2017			4.6
7/12/2017	18	41	
8/8/2017			
10/24/2017			4.4
10/25/2017	19	41	
11/15/2017			
2/27/2018			4.1
2/28/2018	17	36.4	
3/8/2018			
7/11/2018	19.5	38.2	3.3
7/12/2018			
11/6/2018			3.7
11/7/2018	21.4	38.8	
3/12/2019			3.1
3/13/2019	19.9	40.1	
3/14/2019			
10/15/2019			
10/16/2019		33.2	
10/17/2019			2.8
10/18/2019	22		
3/2/2020			
3/3/2020		30.9	2.3
3/4/2020	19.6		
3/9/2020			
9/22/2020		27.6	
9/23/2020			2.1
9/24/2020	22.7		
3/1/2021			
3/2/2021		27	2.1
3/3/2021	20.9		
3/4/2021			
3/12/2021			
9/8/2021			
9/9/2021		25.4	2.1
9/10/2021			
9/13/2021	18.2		

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
8/30/2016									
8/31/2016									8.6
9/1/2016							12	18	
9/2/2016	15	25	30						
9/7/2016						33			
12/6/2016									8
12/7/2016	16								
12/8/2016		24	26			32	12	17	
3/28/2017					29				9.5
3/29/2017	17		30						
3/30/2017		24		17				16	
3/31/2017						33	9.1		
5/12/2017				17	29				
6/15/2017				16	28				
7/11/2017					28				9
7/12/2017	18	23		16					
7/13/2017			29			33	5.7	15	
10/24/2017					28				
10/25/2017	20	23	29			32			9.4
10/26/2017				17			6.6	14	
11/15/2017					27				
2/27/2018					24.6				9.7
2/28/2018	18.6	19.9	23.4			29			
3/1/2018				14.8			10.7		
3/2/2018								12.8	
7/11/2018	20.4	20.9				29.3			
7/12/2018			26.1	15.2			9.5	11.7	
11/6/2018					24.8				10.2
11/7/2018	21.5	20.5	25.8			28.6	8.6	11.4	
11/8/2018				14.6					
3/12/2019					24.2				10.6
3/13/2019	24.8	21.3							
3/14/2019			26.3	15.2		24.8	6.6	10.2	
10/15/2019					20.9				
10/16/2019									11.6
10/17/2019	24.9	20.1				25.8	7		
10/18/2019			23.4	14.4				9.6	
3/2/2020					18.7				10.5
3/3/2020		19.7	21.8						
3/4/2020	27.8			13.9		23.6	4.4	9.1	
9/22/2020	25.8				17	22.1			10.5
9/23/2020							3.3	8	
9/24/2020		20	21.5	13.7					
9/25/2020									
3/1/2021					15				
3/2/2021	28								9.8
3/3/2021		19.7	20.6	14		20.8	2.9	14.2	
3/8/2021									
9/9/2021		20.2		12.3					
9/10/2021	26.2		17.3		13.9		2.4	10.9	9.9
9/13/2021						17.1			

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	9.7	6	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	9.8	6.2	
12/7/2016			
12/8/2016			
3/28/2017		6.6	
3/29/2017	9.9		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	9.7	6.9	
7/12/2017			
7/13/2017			
10/24/2017	9.9	6.7	
10/25/2017			
10/26/2017			
11/15/2017			
2/27/2018	9.5	8.2	
2/28/2018			
3/1/2018			
3/2/2018			
7/11/2018		10.5	
7/12/2018			
11/6/2018	10.5	8.7	
11/7/2018			
11/8/2018			
3/12/2019	10.7	8.5	
3/13/2019			
3/14/2019			
10/15/2019			
10/16/2019	10.4		
10/17/2019		10	
10/18/2019			
3/2/2020			
3/3/2020	9.6	6.6	
3/4/2020			
9/22/2020		8	
9/23/2020	9.1		
9/24/2020			
9/25/2020			13.2
3/1/2021			
3/2/2021	8.6	8.4	
3/3/2021			
3/8/2021			12.9
9/9/2021			
9/10/2021		9	
9/13/2021	8.2		11.1

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
1/30/2019									
10/21/2019									
9/24/2020									
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	
1/13/2021							3.1		
3/3/2021									
3/4/2021		10.4	7.9	7.8	13	29.4			
3/5/2021	9							39.2	
3/8/2021							3.9		
3/12/2021									
4/14/2021									7.9
4/15/2021									
9/9/2021									
9/10/2021		10.2					4.8		
9/13/2021	8.7			7	11.7				
9/14/2021			7.9			28.8		27.3	9

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	B-120D	B-56	B-62
1/30/2019			7.1
10/21/2019			6.5
9/24/2020			5.7
9/28/2020		8.7	
12/9/2020			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		8.3	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			5.9
4/14/2021			
4/15/2021	6.2		
9/9/2021			5.8
9/10/2021			
9/13/2021		7.1	
9/14/2021	6.1		

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 11/8/2021 1:03 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
1/28/2019	7.9								
1/30/2019		9.3							
10/21/2019		9.9		14.3	3.4				
10/22/2019	18								
10/24/2019			3.3						
11/22/2019						9.1			
12/18/2019							9.4		
12/19/2019								10.4	
2/17/2020									20.9
9/24/2020			5.3						
9/25/2020					3	10			
9/28/2020				9.9				10.8	
3/4/2021			2.9		3.2				
3/5/2021						7.8			
3/9/2021								13.5	
9/13/2021						8.2			
9/14/2021	7.1	8.9	4.7	9.5					
9/15/2021							10.4	13.2	18.8
9/16/2021					2.6				

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

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1/28/2019	
1/30/2019	
10/21/2019	
10/22/2019	
10/24/2019	
11/22/2019	
12/18/2019	
12/19/2019	
2/17/2020	96.8
9/24/2020	
9/25/2020	
9/28/2020	
3/4/2021	
3/5/2021	
3/9/2021	
9/13/2021	
9/14/2021	
9/15/2021	29.9
9/16/2021	

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-10	DGWC-11	DGWC-12	DGWC-13	DGWC-14	DGWC-15
8/31/2016				<0.005	<0.005			<0.005	
9/1/2016						<0.005			
9/6/2016							<0.005		<0.005
9/7/2016									
12/6/2016				<0.005	<0.005			<0.005	
12/7/2016						<0.005	<0.005		<0.005
12/8/2016									
3/28/2017	<0.005	0.0008 (J)	0.0023 (J)						
3/29/2017				0.0008 (J)	<0.005	<0.005		<0.005	
3/30/2017							0.0009 (J)		0.0005 (J)
5/11/2017	<0.005								
5/12/2017			0.0004 (J)						
5/15/2017		0.0006 (J)							
6/15/2017	<0.005	0.0006 (J)							
6/16/2017			0.0005 (J)						
7/11/2017		0.0005 (J)	<0.005						
7/12/2017	<0.005			0.0006 (J)	<0.005	<0.005	<0.005	<0.005	<0.005
8/8/2017		0.0005 (J)							
10/24/2017	<0.005	0.0005 (J)	<0.005	0.0007 (J)	<0.005				
10/25/2017						<0.005		<0.005	<0.005
11/15/2017							<0.005		
2/27/2018		<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	
2/28/2018							<0.005		<0.005
3/8/2018	<0.005								
7/11/2018						<0.005		<0.005	<0.005
7/12/2018	<0.005								
11/6/2018		<0.005	<0.005	<0.005	<0.005				
11/7/2018	<0.005					<0.005	<0.005	<0.005	<0.01 (J)
8/27/2019		0.00071 (J)	0.0018 (J)	0.00083 (J)	0.0006 (J)	<0.005	<0.005	<0.005	
8/28/2019	<0.005						<0.005		<0.005
9/17/2019						<0.005			
10/15/2019		0.034 (O)	0.0025 (J)	0.00078 (J)	<0.005	<0.005			
10/16/2019	<0.005						<0.005	<0.005	
10/17/2019									0.00058 (J)
10/18/2019									
3/2/2020		0.0013 (J)	0.00045 (J)		0.0006 (J)	<0.005			
3/3/2020				0.00092 (J)			0.00066 (J)	<0.005	0.00046 (J)
3/4/2020									
3/9/2020	<0.005								
8/11/2020		0.0016 (J)	0.0006 (J)	0.00097 (J)	0.00061 (J)	0.00094 (J)		<0.005	
8/12/2020							0.00074 (J)		
8/13/2020	<0.005								0.0048 (J)
8/14/2020									
9/22/2020	<0.005	0.00089 (J)	<0.005		0.00058 (J)	<0.005		<0.005	
9/23/2020							0.00059 (J)		<0.005
9/24/2020				0.001 (J)					
3/1/2021		<0.005	<0.005						
3/2/2021					<0.005		<0.005	<0.005	<0.005
3/3/2021						0.00099 (J)			
3/4/2021				0.0009 (J)					
3/12/2021	<0.005								
9/8/2021			<0.005						

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		0.0031 (J)	
9/6/2016			
9/7/2016	0.0026 (J)		
12/6/2016			
12/7/2016		<0.005	
12/8/2016	0.0025 (J)		
3/28/2017			
3/29/2017		0.0025 (J)	
3/30/2017	0.0026 (J)		0.0005 (J)
5/11/2017			0.0005 (J)
5/12/2017			
5/15/2017			
6/15/2017			<0.005
6/16/2017			
7/11/2017			<0.005
7/12/2017	0.0022 (J)	0.0023 (J)	
8/8/2017			
10/24/2017			<0.005
10/25/2017	0.0024 (J)	0.0024 (J)	
11/15/2017			
2/27/2018			<0.005
2/28/2018	<0.005	<0.005	
3/8/2018			
7/11/2018	0.0024 (J)	0.0022 (J)	<0.005
7/12/2018			
11/6/2018			<0.005
11/7/2018	<0.005	<0.01 (J)	
8/27/2019	0.0031 (J)		0.0004 (J)
8/28/2019		0.0028 (J)	
9/17/2019			
10/15/2019			
10/16/2019		0.0024 (J)	
10/17/2019			0.00046 (J)
10/18/2019	0.0027 (J)		
3/2/2020			
3/3/2020		0.0028 (J)	<0.005
3/4/2020	0.0035 (J)		
3/9/2020			
8/11/2020		0.0024 (J)	0.00067 (J)
8/12/2020			
8/13/2020			
8/14/2020	0.0033 (J)		
9/22/2020		0.003 (J)	
9/23/2020			<0.005
9/24/2020	0.0029 (J)		
3/1/2021			
3/2/2021		0.0024 (J)	0.00064 (J)
3/3/2021	0.0028 (J)		
3/4/2021			
3/12/2021			
9/8/2021			

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
9/9/2021		0.003 (J)	<0.005
9/10/2021			
9/13/2021	0.0027 (J)		

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
9/9/2021		<0.005		<0.005					
9/10/2021	<0.005		<0.005		<0.005		<0.005	<0.005	<0.005
9/13/2021						<0.005			

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	<0.005	<0.005	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	<0.005	<0.005	
12/7/2016			
12/8/2016			
3/28/2017		0.001 (J)	
3/29/2017	0.0004 (J)		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	<0.005	<0.005	
7/12/2017			
7/13/2017			
10/24/2017	<0.005	<0.005	
10/25/2017			
10/26/2017			
2/27/2018	<0.005	<0.005	
2/28/2018			
3/1/2018			
3/2/2018			
7/11/2018		<0.005	
7/12/2018			
11/6/2018	<0.005	<0.005	
11/7/2018			
11/8/2018			
8/27/2019		0.00048 (J)	
8/28/2019	<0.005		
8/29/2019			
10/15/2019			
10/16/2019	0.0013 (J)		
10/17/2019		0.00051 (J)	
10/18/2019			
3/2/2020			
3/3/2020	0.00061 (J)	0.0057 (J)	
3/4/2020			
8/11/2020		0.00061 (J)	
8/12/2020	0.0028 (J)		
8/13/2020			
8/14/2020			
8/17/2020			<0.005
9/22/2020		<0.005	
9/23/2020	0.00086 (J)		
9/24/2020			
9/25/2020			0.00094 (J)
3/1/2021			
3/2/2021	0.0015 (J)	0.00059 (J)	
3/3/2021			
3/8/2021			0.00057 (J)

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
9/9/2021			
9/10/2021		<0.005	
9/13/2021	<0.005		<0.005

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
1/30/2019									
9/11/2019									
10/21/2019									
8/13/2020									
8/17/2020									
9/24/2020									
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	
1/13/2021							<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							0.00061 (J)		
3/12/2021									
4/14/2021									<0.005
4/15/2021									
9/9/2021									
9/10/2021		<0.005					<0.005		
9/13/2021	0.0014 (J)			<0.005	<0.005				
9/14/2021			<0.005			<0.005		<0.005	<0.005

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	B-120D	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
9/28/2020		<0.005	
12/9/2020			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		0.00059 (J)	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			<0.005
4/14/2021			
4/15/2021	<0.005		
9/9/2021			<0.005
9/10/2021			
9/13/2021		<0.005	
9/14/2021	<0.005		

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 1:03 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
1/28/2019	<0.005								
1/30/2019		<0.005							
9/11/2019	<0.005								
9/12/2019		<0.005							
9/18/2019			0.00068 (J)						
9/23/2019				0.0011 (J)					
10/21/2019		<0.005		<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	<0.005					
9/15/2021							<0.005	<0.005	<0.005
9/16/2021					0.003 (J)				

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-98

1/28/2019
1/30/2019
9/11/2019
9/12/2019
9/18/2019
9/23/2019
10/21/2019
10/22/2019
10/24/2019
8/13/2020
8/14/2020
8/17/2020
8/19/2020
9/24/2020
9/25/2020
9/28/2020
3/4/2021
3/5/2021
3/9/2021
9/13/2021
9/14/2021
9/15/2021
9/16/2021

<0.005

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-10	DGWC-11	DGWC-12	DGWC-13	DGWC-14	DGWC-15
8/31/2016				0.193	<0.005			<0.005	
9/1/2016						0.0021 (J)			
9/6/2016							<0.005		0.0042 (J)
9/7/2016									
12/6/2016				0.2	0.0006 (J)			<0.005	
12/7/2016						0.0026 (J)	<0.005		0.0028 (J)
12/8/2016									
3/28/2017	0.025	0.0034 (J)	0.0033 (J)						
3/29/2017				0.184	<0.005	0.0026 (J)		<0.005	
3/30/2017							0.0005 (J)		0.0024 (J)
5/11/2017	0.0281								
5/12/2017			0.0016 (J)						
5/15/2017		0.0024 (J)							
6/15/2017	0.0322	0.0014 (J)							
6/16/2017			0.0011 (J)						
7/11/2017		0.0007 (J)	0.0008 (J)						
7/12/2017	0.0247			0.177	<0.005	0.0033 (J)	0.0004 (J)	<0.005	0.002 (J)
8/8/2017		0.0007 (J)							
10/24/2017	0.0267	<0.005	0.0004 (J)	0.175	<0.005				
10/25/2017						0.0021 (J)		<0.005	0.0019 (J)
11/15/2017							<0.005		
2/27/2018		<0.005	<0.005	0.2	<0.005	<0.005		<0.005	
2/28/2018							<0.005		<0.005
3/8/2018	0.027								
7/11/2018						0.002 (J)		<0.005	0.0018 (J)
7/12/2018	0.024								
11/6/2018		<0.005	<0.005	0.2	<0.005				
11/7/2018	0.018					<0.01 (J)	<0.005	<0.005	0.025
8/27/2019		<0.005	<0.005	0.13	0.00076 (J)	0.0021 (J)		<0.005	
8/28/2019	0.013						<0.005		0.0015 (J)
9/17/2019						0.0079			
10/15/2019		0.00064 (J)	<0.005	0.17	0.0006 (J)	0.0058			
10/16/2019	0.009						<0.005	<0.005	
10/17/2019									0.0018 (J)
10/18/2019									
3/2/2020		0.00037 (J)	<0.005		0.00078 (J)	0.029			
3/3/2020				0.18			<0.005	<0.005	0.0018 (J)
3/4/2020									
3/9/2020	0.016								
8/11/2020		0.0012 (J)	<0.005	0.11	0.00055 (J)	0.006		<0.005	
8/12/2020							<0.005		
8/13/2020	0.0051								0.0024 (J)
8/14/2020									
9/22/2020	0.011	<0.005	<0.005		0.00098 (J)	0.013		<0.005	
9/23/2020							0.00038 (J)		0.0018 (J)
9/24/2020				0.086					
3/1/2021		<0.005	<0.005						
3/2/2021					0.00065 (J)		<0.005	<0.005	0.0013 (J)
3/3/2021						0.01			
3/4/2021				0.071					
3/12/2021	0.0078								
9/8/2021			<0.005						

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		0.0553	
9/6/2016			
9/7/2016	0.0247		
12/6/2016			
12/7/2016		0.0561	
12/8/2016	0.029		
3/28/2017			
3/29/2017		0.0534	
3/30/2017	0.0283		0.0255
5/11/2017			0.0284
5/12/2017			
5/15/2017			
6/15/2017			0.0238
6/16/2017			
7/11/2017			0.0238
7/12/2017	0.023	0.0489	
8/8/2017			
10/24/2017			0.0292
10/25/2017	0.0259	0.0514	
11/15/2017			
2/27/2018			0.042
2/28/2018	0.02	0.0511	
3/8/2018			
7/11/2018	0.025	0.051	0.02
7/12/2018			
11/6/2018			0.024
11/7/2018	<0.01 (J)	0.048	
8/27/2019	0.031		0.0088
8/28/2019		0.048	
9/17/2019			
10/15/2019			
10/16/2019		0.046	
10/17/2019			0.0084
10/18/2019	0.023		
3/2/2020			
3/3/2020		0.054	0.0073
3/4/2020	0.023		
3/9/2020			
8/11/2020		0.049	0.0064
8/12/2020			
8/13/2020			
8/14/2020	0.026		
9/22/2020		0.051	
9/23/2020			0.0062
9/24/2020	0.028		
3/1/2021			
3/2/2021		0.051	0.0055
3/3/2021	0.016		
3/4/2021			
3/12/2021			
9/8/2021			

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
9/9/2021		0.055	0.0048 (J)
9/10/2021			
9/13/2021	0.019		

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
3/3/2021		0.0087	0.0078	0.00039 (J)		0.0087	0.2	0.36	
3/8/2021									
9/9/2021		0.0096		0.00049 (J)					
9/10/2021	0.45		0.0076		0.0019 (J)		0.23	0.36	0.022
9/13/2021						0.008			

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	0.0568	0.0896	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	0.0873	0.122	
12/7/2016			
12/8/2016			
3/28/2017		0.124	
3/29/2017	0.0902		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	0.0601	0.136	
7/12/2017			
7/13/2017			
10/24/2017	0.123	0.151	
10/25/2017			
10/26/2017			
2/27/2018	0.126	0.163	
2/28/2018			
3/1/2018			
3/2/2018			
7/11/2018		0.18	
7/12/2018			
11/6/2018	0.077	0.2	
11/7/2018			
11/8/2018			
8/27/2019		0.24	
8/28/2019	0.051		
8/29/2019			
10/15/2019			
10/16/2019	0.054		
10/17/2019		0.21	
10/18/2019			
3/2/2020			
3/3/2020	0.044	0.2	
3/4/2020			
7/23/2020			0.086
8/3/2020			0.087
8/11/2020		0.22	
8/12/2020	0.053		
8/13/2020			
8/14/2020			
8/17/2020			0.077
9/22/2020		0.16	
9/23/2020	0.04		
9/24/2020			
9/25/2020			0.034
3/1/2021			
3/2/2021	0.033	0.18	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
3/3/2021			
3/8/2021			0.029
9/9/2021			
9/10/2021		0.21	
9/13/2021	0.028		0.035

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
1/30/2019									
9/11/2019									
10/21/2019									
8/13/2020									
8/17/2020									
9/24/2020									
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)	
1/13/2021							<0.005		
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							<0.005		
3/12/2021									
4/14/2021									0.3
4/15/2021									
9/9/2021									
9/10/2021		0.013					<0.005		
9/13/2021	0.003 (J)			0.00056 (J)	0.00083 (J)				
9/14/2021			0.1			0.0017 (J)		<0.005	0.28

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	B-120D	B-56	B-62
1/30/2019			<0.005
9/11/2019			0.0003 (J)
10/21/2019			0.00031 (J)
8/13/2020			<0.005
8/17/2020		0.042	
9/24/2020			<0.005
9/28/2020		0.042	
12/9/2020			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		0.05	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			<0.005
4/14/2021			
4/15/2021	0.017		
9/9/2021			<0.005
9/10/2021			
9/13/2021		0.047	
9/14/2021	0.0055		

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 1:03 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
1/28/2019	0.053								
1/30/2019		<0.005							
9/11/2019	0.043								
9/12/2019		0.006							
9/18/2019			0.0031 (J)						
9/23/2019				0.0038 (J)					
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									
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	
9/24/2020			0.0004 (J)						
9/25/2020					0.0073	0.0015 (J)			
9/28/2020				0.0053				0.064	
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									
9/13/2021						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				

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-98

1/28/2019	
1/30/2019	
9/11/2019	
9/12/2019	
9/18/2019	
9/23/2019	
10/21/2019	
10/22/2019	
10/24/2019	
11/22/2019	
12/19/2019	
2/17/2020	<0.005
8/13/2020	
8/14/2020	
8/17/2020	
8/19/2020	
9/24/2020	
9/25/2020	
9/28/2020	
3/4/2021	
3/5/2021	
3/9/2021	
3/12/2021	
3/15/2021	<0.005
9/13/2021	
9/14/2021	
9/15/2021	0.0048 (J)
9/16/2021	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	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)
9/7/2016									
12/6/2016				1.31	0.409 (U)			0.659 (U)	
12/7/2016						2.66	1.76		1.73
12/8/2016									
3/28/2017	6.36	0.866 (U)	0.257 (U)						
3/29/2017				1.24	0.727	0.0726 (U)		0.313 (U)	
3/30/2017							1.59		0.276 (U)
5/11/2017	3.45								
5/12/2017			0.165 (U)						
5/15/2017		0.288 (U)							
6/15/2017	4.58	1.01 (U)							
6/16/2017			0.732 (U)						
7/11/2017		0.254 (U)	0.461 (U)						
7/12/2017	4.37			0.831	0.85 (U)	0.538 (U)	1.36	1.03 (U)	0.584 (U)
8/8/2017		1.48							
10/24/2017	4.46	0.472 (U)	0.724 (U)	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		1.22	0.714 (U)	1.55	1.14	0.83		0.695 (U)	
2/28/2018							0.721 (U)		1.25
3/8/2018	2.14								
7/10/2018		0.362 (U)	0.426 (U)	1.65	0.495 (U)		0.746 (U)		
7/11/2018						0.728 (U)		1.04 (U)	2.13
7/12/2018	4.65								
11/6/2018		0.859 (U)	0.455 (U)	1.46	1.41				
11/7/2018	3.05					0.414 (U)	1.22 (U)	0.593 (U)	0.786 (U)
8/27/2019		1.97	1.3 (U)	1.58	2.13	0.434 (U)		1.17 (U)	
8/28/2019	2.68						1.43		1.01 (U)
10/15/2019		0.319 (U)	1.21 (U)	0.831 (U)	0.622 (U)	0.359 (U)			
10/16/2019	1.89						1.73	1.04 (U)	
10/17/2019									1.03 (U)
10/18/2019									
3/2/2020		0.419 (U)	1.3		1.3	1.2 (U)			
3/3/2020				1.69			1.03	1.44	0.293 (U)
3/4/2020									
3/9/2020	3.51								
8/11/2020		0.812 (U)	0.965 (U)	1.45	1.02	0.77 (U)		1.17 (U)	
8/12/2020							1.63		
8/13/2020	1.04								3.58
8/14/2020									
9/22/2020	2.27	0.45 (U)	0.216 (U)		0.502 (U)	0.515 (U)		1.2 (U)	
9/23/2020							0.935 (U)		1.69 (U)
9/24/2020				1.39					
3/1/2021		0.552 (U)	0.389 (U)						
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					
3/12/2021	1.63								
9/8/2021			0.051 (U)						

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		1.07 (U)	
9/6/2016			
9/7/2016	1.17		
12/6/2016			
12/7/2016		0.903 (U)	
12/8/2016	1.65		
3/28/2017			
3/29/2017		0.302 (U)	
3/30/2017	0.865 (U)		0.737 (U)
5/11/2017			0.892 (U)
5/12/2017			
5/15/2017			
6/15/2017			0.979 (U)
6/16/2017			
7/11/2017			0.871 (U)
7/12/2017	0.362 (U)	0.283 (U)	
8/8/2017			
10/24/2017			1.19
10/25/2017	0.401 (U)	0.927 (U)	
11/15/2017			
2/27/2018			0.863 (U)
2/28/2018	1.1 (U)	0.813 (U)	
3/8/2018			
7/10/2018			
7/11/2018	0.64 (U)	0.751 (U)	0.663 (U)
7/12/2018			
11/6/2018			0.664
11/7/2018	0.795 (U)	1.02	
8/27/2019	1.12		1.6
8/28/2019		0.661 (U)	
10/15/2019			
10/16/2019		1.79	
10/17/2019			1.74
10/18/2019	0.89 (U)		
3/2/2020			
3/3/2020		0.383 (U)	1.23
3/4/2020	0.493 (U)		
3/9/2020			
8/11/2020		0.723 (U)	1.37
8/12/2020			
8/13/2020			
8/14/2020	0.804 (U)		
9/22/2020		0.96 (U)	
9/23/2020			1.96 (U)
9/24/2020	0.369 (U)		
3/1/2021			
3/2/2021		0.775 (U)	1.54 (U)
3/3/2021	0.66 (U)		
3/4/2021			
3/12/2021			
9/8/2021			

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
9/9/2021		0.239 (U)	1.22 (U)
9/10/2021			
9/13/2021	0.85 (U)		

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
8/30/2016									
8/31/2016									2.49
9/1/2016							4.47	2.37	
9/2/2016	1.48	0.908 (U)	1.54						
9/7/2016						0.876 (U)			
12/6/2016									0.348 (U)
12/7/2016	1.26 (U)								
12/8/2016		1.03 (U)	0.505 (U)			0.955	2.88	2.87	
3/28/2017					1.36				0.693 (U)
3/29/2017	0.373 (U)		0.715 (U)						
3/30/2017		0.884 (U)		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	0.91 (U)	1.22		0.703 (U)					
7/13/2017			1.14			1.08 (U)	2.37	1.78	
10/24/2017					1.24				
10/25/2017	0.853 (U)	1.07 (U)	1.6			1.46			2.06
10/26/2017				0.984 (U)			2.88	3.74	
2/27/2018					1.82				1.97
2/28/2018	0.727 (U)	1.45	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)
7/11/2018	1.3	1.59				0.924 (U)			
7/12/2018			0.981 (U)	0.918 (U)			1.73	1.81	
11/6/2018					1.2				1.13
11/7/2018	0.746 (U)	1.16	0.832 (U)			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	0.996 (U)	0.582 (U)	1.87	2.21			3.05	2.37	
10/15/2019					2.11 (U)				
10/16/2019									1.63
10/17/2019	2	0.427 (U)				1.38	2.58		
10/18/2019			1.1 (U)	1.32				1.42	
3/2/2020					1.99				2.28
3/3/2020		0.567 (U)	0.517 (U)						
3/4/2020	1.67			1.39		0.722 (U)	1.68	1.31	
8/11/2020									
8/12/2020					1.95		2.56		1.13
8/13/2020	1.77			1.48 (U)		1.23 (U)		1.74	
8/14/2020		0.602 (U)	1.83						
8/17/2020									
9/22/2020	1.61 (U)				1.43 (U)	1.03 (U)			1.4 (U)
9/23/2020							2.3 (U)	1.51 (U)	
9/24/2020		0.396 (U)	1.02 (U)	1.49					
9/25/2020									
3/1/2021					1.05 (U)				
3/2/2021	1.76								0.971 (U)
3/3/2021		0.248 (U)	0.547 (U)	1.05 (U)		0.92 (U)	1.27 (U)	1.41	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
3/8/2021									
9/9/2021		0.702 (U)		1.81					
9/10/2021	0.689 (U)		0.616 (U)		1.46		2.32	2.21	1.15
9/13/2021						1.15 (U)			

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	0.919 (U)	1.33	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	0.407 (U)	0.828 (U)	
12/7/2016			
12/8/2016			
3/28/2017		1.06	
3/29/2017	0.28 (U)		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	0.209 (U)	0.62 (U)	
7/12/2017			
7/13/2017			
10/24/2017	0.615 (U)	1.21	
10/25/2017			
10/26/2017			
2/27/2018	1.05 (U)	1.79	
2/28/2018			
3/1/2018			
3/2/2018			
7/10/2018	0.363 (U)		
7/11/2018		1.81	
7/12/2018			
11/6/2018	0.577 (U)	1.13	
11/7/2018			
11/8/2018			
8/27/2019		1.55	
8/28/2019	0.815 (U)		
8/29/2019			
10/15/2019			
10/16/2019	0.999 (U)		
10/17/2019		0.702 (U)	
10/18/2019			
3/2/2020			
3/3/2020	0.481 (U)	1.37	
3/4/2020			
8/11/2020		0.819 (U)	
8/12/2020	0.721 (U)		
8/13/2020			
8/14/2020			
8/17/2020			1.4 (U)
9/22/2020		1.15 (U)	
9/23/2020	0.8 (U)		
9/24/2020			
9/25/2020			0.799 (U)
3/1/2021			
3/2/2021	0.751 (U)	1.29 (U)	
3/3/2021			

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
3/8/2021			0.168 (U)
9/9/2021			
9/10/2021		1.28	
9/13/2021	0.916 (U)		0.774 (U)

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
1/30/2019									
10/21/2019									
8/13/2020									
8/17/2020									
9/24/2020									
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	
1/13/2021							11.8		
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							12.1		
3/12/2021									
4/14/2021									14.7
4/15/2021									
9/9/2021									
9/10/2021		1.74					9.45		
9/13/2021	1.8			0.625 (U)	0.813 (U)				
9/14/2021			9.6			0.917 (U)		4.39	11.9

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	B-120D	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)
9/28/2020		1.39	
12/9/2020			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		1.01 (U)	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			1.18 (U)
4/14/2021			
4/15/2021	2.31		
9/9/2021			1.7
9/10/2021			
9/13/2021		0.854 (U)	
9/14/2021	3.68		

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 1:03 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
1/28/2019	2.14 (U)								
1/30/2019		0.975 (U)							
10/21/2019		1.07 (U)		0.63 (U)	0.792 (U)				
10/22/2019	1.28 (U)								
10/24/2019			1.87						
8/13/2020			2.17						
8/14/2020					0.95 (U)				
8/17/2020				0.662 (U)		2.47			
8/19/2020								1.19 (U)	
9/24/2020			0.761 (U)						
9/25/2020					0.0359 (U)	0.925 (U)			
9/28/2020				0.747 (U)				1.54	
3/4/2021			2.16		1.15 (U)				
3/5/2021						2.84			
3/9/2021								0.786 (U)	
9/13/2021						0.771 (U)			
9/14/2021	1.68	0.421 (U)	0.617 (U)	1.03 (U)					
9/15/2021							1.39	1.84	2.11
9/16/2021					0.442 (U)				

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-98

1/28/2019
1/30/2019
10/21/2019
10/22/2019
10/24/2019
8/13/2020
8/14/2020
8/17/2020
8/19/2020
9/24/2020
9/25/2020
9/28/2020
3/4/2021
3/5/2021
3/9/2021
9/13/2021
9/14/2021
9/15/2021
9/16/2021

2.2

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-10	DGWC-11	DGWC-12	DGWC-13	DGWC-14	DGWC-15
8/31/2016				1	0.06 (J)			0.06 (J)	
9/1/2016						0.02 (J)			
9/6/2016							0.17 (J)		0.11 (J)
9/7/2016									
12/6/2016				1.3	0.06 (J)			0.1 (J)	
12/7/2016						0.16 (J)	0.3		0.11 (J)
12/8/2016									
3/28/2017	0.12 (J)	1.2 (O)	0.06 (J)						
3/29/2017				1.5	0.04 (J)	0.1 (J)		0.02 (J)	
3/30/2017							0.12 (J)		<0.1
5/11/2017	0.07 (J)								
5/12/2017			<0.1						
5/15/2017		0.005 (J)							
6/15/2017	0.19 (J)	0.02 (J)							
6/16/2017			0.008 (J)						
7/11/2017		0.06 (J)	0.007 (J)						
7/12/2017	0.1 (J)			1.7	0.03 (J)	0.2 (J)	0.13 (J)	<0.1	0.07 (J)
8/8/2017		0.04 (J)							
10/24/2017	0.06 (J)	<0.1	<0.1	2.1	<0.1				
10/25/2017						0.6		<0.1	0.26 (J)
11/15/2017	0.05 (J)		<0.1	1.4			0.44		
2/27/2018		<0.1	<0.1	2.3	<0.1	0.34		<0.1	
2/28/2018							0.18		<0.1
3/8/2018	<0.1								
7/11/2018						<0.1		<0.1	<0.1
7/12/2018	0.071 (J)								
11/6/2018		<0.1	<0.1	2	<0.1				
11/7/2018	<0.1					<0.3 (J)	<0.3 (J)	<0.1	<0.1
3/12/2019		0.039 (J)	<0.1	1.7	0.052 (J)	0.065 (J)			
3/13/2019	0.13 (J)						0.13 (J)	0.042 (J)	
3/14/2019									0.057 (J)
8/27/2019		<0.1	<0.1	1.4	<0.1	<0.1		<0.1	
8/28/2019	0.42						0.091 (J)		<0.1
10/15/2019		<0.1	<0.1	1.4	<0.1	<0.1			
10/16/2019	0.11 (J)						0.14 (J)	0.052 (J)	
10/17/2019									0.079 (J)
10/18/2019									
3/2/2020		<0.1	<0.1		0.064 (J)	0.071 (J)			
3/3/2020				1.5			0.078 (J)	<0.1	<0.1
3/4/2020									
3/9/2020	0.1 (J)								
8/11/2020		<0.1	<0.1	1.4	<0.1	<0.1		<0.1	
8/12/2020							0.051 (J)		
8/13/2020	0.062 (J)								<0.1
8/14/2020									
9/22/2020	0.099 (J)	<0.1	<0.1		<0.1	<0.1		<0.1	
9/23/2020							0.058 (J)		<0.1
9/24/2020				0.97					
3/1/2021		<0.1	<0.1						
3/2/2021					<0.1		0.084 (J)	<0.1	<0.1
3/3/2021						0.085 (J)			
3/4/2021				1.8					

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		0.75	
9/6/2016			
9/7/2016	0.32		
12/6/2016			
12/7/2016		0.37	
12/8/2016	0.31		
3/28/2017			
3/29/2017		0.35	
3/30/2017	0.1 (J)		0.06 (J)
5/11/2017			0.06 (J)
5/12/2017			
5/15/2017			
6/15/2017			0.07 (J)
6/16/2017			
7/11/2017			0.04 (J)
7/12/2017	0.27 (J)	0.34	
8/8/2017			
10/24/2017			0.43
10/25/2017	0.49	0.9	
11/15/2017			
2/27/2018			0.28
2/28/2018	0.54	1.2	
3/8/2018			
7/11/2018	0.15 (J)	0.37	0.6
7/12/2018			
11/6/2018			<0.1
11/7/2018	<0.3 (J)	<0.3 (J)	
3/12/2019			0.052 (J)
3/13/2019	0.084 (J)	0.22 (J)	
3/14/2019			
8/27/2019	0.24 (J)		<0.1
8/28/2019		0.2	
10/15/2019			
10/16/2019		0.23 (J)	
10/17/2019			0.042 (J)
10/18/2019	0.086 (J)		
3/2/2020			
3/3/2020		0.056 (J)	<0.1
3/4/2020	<0.1		
3/9/2020			
8/11/2020		0.2	<0.1
8/12/2020			
8/13/2020			
8/14/2020	0.069 (J)		
9/22/2020		0.084 (J)	
9/23/2020			<0.1
9/24/2020	0.056 (J)		
3/1/2021			
3/2/2021		0.19	<0.1
3/3/2021	0.085 (J)		
3/4/2021			

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
3/12/2021			
9/8/2021			
9/9/2021		0.18	0.053 (J)
9/10/2021			
9/13/2021	0.063 (J)		

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
3/1/2021					<0.1				
3/2/2021	1.4								0.15
3/3/2021		<0.1	<0.1	0.063 (J)		<0.1	0.71	0.67	
3/8/2021									
9/9/2021		<0.1		0.084 (J)					
9/10/2021	0.25		<0.1		<0.1		0.22	0.47	0.16
9/13/2021						<0.1			

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	0.39	0.78	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	0.47	1.1	
12/7/2016			
12/8/2016			
3/28/2017		1.1	
3/29/2017	0.51		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	0.2 (J)	1.1	
7/12/2017			
7/13/2017			
10/24/2017	0.82	1.7	
10/25/2017			
10/26/2017			
11/15/2017			
2/27/2018	0.59	1.2	
2/28/2018			
3/1/2018			
3/2/2018			
7/11/2018		1.3	
7/12/2018			
11/6/2018	0.35	1.1	
11/7/2018			
11/8/2018			
3/12/2019	0.35	0.97	
3/13/2019			
3/14/2019			
8/27/2019		0.68	
8/28/2019	0.098 (J)		
8/29/2019			
10/15/2019			
10/16/2019	0.14 (J)		
10/17/2019		1.2	
10/18/2019			
3/2/2020			
3/3/2020	<0.1	1.4	
3/4/2020			
8/11/2020		1.3	
8/12/2020	0.056 (J)		
8/13/2020			
8/14/2020			
8/17/2020			<0.1
9/22/2020		0.99	
9/23/2020	<0.1		
9/24/2020			
9/25/2020			<0.1

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
3/1/2021			
3/2/2021	0.059 (J)	0.93	
3/3/2021			
3/8/2021			<0.1
9/9/2021			
9/10/2021		2	
9/13/2021	0.069 (J)		<0.1

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
1/30/2019									
10/21/2019									
8/13/2020									
8/17/2020									
9/24/2020									
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	
1/13/2021							0.17		
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							0.14		
3/12/2021									
4/14/2021									0.99
4/15/2021									
9/9/2021									
9/10/2021		0.083 (J)					0.15		
9/13/2021	0.051 (J)			0.052 (J)	<0.1				
9/14/2021			0.5			<0.1		0.57	1

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	B-120D	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)
9/28/2020		0.098 (J)	
12/9/2020			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		0.34	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			0.11
4/14/2021			
4/15/2021	<0.1		
9/9/2021			0.14
9/10/2021			
9/13/2021		0.2	
9/14/2021	<0.1		

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 1:03 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
1/28/2019	0.45								
1/30/2019		0.51							
10/21/2019		0.3 (J)		0.2 (J)	0.13 (J)				
10/22/2019	0.2 (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	0.16	0.22	0.078 (J)	0.052 (J)					
9/15/2021							0.18	0.34	0.085 (J)
9/16/2021					0.066 (J)				

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-98

1/28/2019	
1/30/2019	
10/21/2019	
10/22/2019	
10/24/2019	
8/13/2020	
8/14/2020	
8/17/2020	
8/19/2020	
9/24/2020	
9/25/2020	
9/28/2020	
3/4/2021	
3/5/2021	
3/9/2021	
9/13/2021	
9/14/2021	
9/15/2021	0.098 (J)
9/16/2021	

Time Series

Constituent: Lead (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-10	DGWC-11	DGWC-12	DGWC-13	DGWC-14	DGWC-15
8/31/2016				<0.001	<0.001			<0.001	
9/1/2016						<0.001			
9/6/2016							<0.001		<0.001
9/7/2016									
12/6/2016				<0.001	<0.001			<0.001	
12/7/2016						<0.001	<0.001		0.0002 (J)
12/8/2016									
3/28/2017	<0.001	9E-05 (J)	<0.001						
3/29/2017				<0.001	<0.001	<0.001		<0.001	
3/30/2017							0.0002 (J)		0.0001 (J)
5/11/2017	<0.001								
5/12/2017			8E-05 (J)						
5/15/2017		0.0001 (J)							
6/15/2017	<0.001	0.0002 (J)							
6/16/2017			<0.001						
7/11/2017		<0.001	<0.001						
7/12/2017	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001	0.0001 (J)
8/8/2017		7E-05 (J)							
10/24/2017	<0.001	<0.001	<0.001	<0.001	<0.001				
10/25/2017						<0.001		<0.001	<0.001
11/15/2017							<0.001		
2/27/2018		<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	
2/28/2018							<0.001		<0.001
3/8/2018	<0.001								
7/11/2018						<0.001		<0.001	<0.001
7/12/2018	<0.001								
11/6/2018		<0.001	<0.001	<0.001	<0.001				
11/7/2018	<0.001					<0.001	<0.001	<0.001	<0.001
8/27/2019		7.8E-05 (J)	<0.001	0.00024 (J)	0.00012 (J)	0.0001 (J)		<0.001	
8/28/2019	<0.001						<0.001		5.9E-05 (J)
9/17/2019						<0.001			
10/15/2019		<0.001	<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									
3/2/2020		7.4E-05 (J)	<0.001		0.00015 (J)	<0.001			
3/3/2020				0.00011 (J)			<0.001	<0.001	<0.001
3/4/2020									
3/9/2020	<0.001								
8/11/2020		0.0003 (J)	<0.001	7E-05 (J)	5.3E-05 (J)	<0.001		9.6E-05 (J)	
8/12/2020							<0.001		
8/13/2020	<0.001								0.0012 (J)
8/14/2020									
9/22/2020	<0.001	7.8E-05 (J)	<0.001		0.0001 (J)	0.00011 (J)		4.4E-05 (J)	
9/23/2020							9.8E-05 (J)		8.2E-05 (J)
9/24/2020				0.00013 (J)					
3/1/2021		<0.001	<0.001						
3/2/2021					<0.001		<0.001	8.3E-05 (J)	<0.001
3/3/2021						<0.001			
3/4/2021				9.2E-05 (J)					
3/12/2021	<0.001								
9/8/2021			<0.001						

Time Series

Constituent: Lead (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		<0.001	
9/6/2016			
9/7/2016	<0.001		
12/6/2016			
12/7/2016		<0.001	
12/8/2016	<0.001		
3/28/2017			
3/29/2017		<0.001	
3/30/2017	0.0001 (J)		0.0001 (J)
5/11/2017			9E-05 (J)
5/12/2017			
5/15/2017			
6/15/2017			0.0001 (J)
6/16/2017			
7/11/2017			<0.001
7/12/2017	<0.001	<0.001	
8/8/2017			
10/24/2017			<0.001
10/25/2017	<0.001	<0.001	
11/15/2017			
2/27/2018			<0.001
2/28/2018	<0.001	<0.001	
3/8/2018			
7/11/2018	<0.001	<0.001	<0.001
7/12/2018			
11/6/2018			<0.001
11/7/2018	<0.001	<0.001	
8/27/2019	9E-05 (J)		6E-05 (J)
8/28/2019		0.00026 (J)	
9/17/2019			
10/15/2019			
10/16/2019		<0.001	
10/17/2019			8.6E-05 (J)
10/18/2019	7.4E-05 (J)		
3/2/2020			
3/3/2020		7E-05 (J)	<0.001
3/4/2020	0.00013 (J)		
3/9/2020			
8/11/2020		5.3E-05 (J)	6.4E-05 (J)
8/12/2020			
8/13/2020			
8/14/2020	0.00017 (J)		
9/22/2020		0.00016 (J)	
9/23/2020			9.4E-05 (J)
9/24/2020	7.9E-05 (J)		
3/1/2021			
3/2/2021		4.5E-05 (J)	0.00014 (J)
3/3/2021	0.00015 (J)		
3/4/2021			
3/12/2021			
9/8/2021			

Time Series

Constituent: Lead (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
9/9/2021		<0.001	<0.001
9/10/2021			
9/13/2021	<0.001		

Time Series

Constituent: Lead (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
9/9/2021		<0.001		<0.001					
9/10/2021	<0.001		<0.001		<0.001		<0.001	0.00099 (J)	<0.001
9/13/2021						<0.001			

Time Series

Constituent: Lead (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	<0.001	<0.001	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	<0.001	<0.001	
12/7/2016			
12/8/2016			
3/28/2017		<0.001	
3/29/2017	0.0001 (J)		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	<0.001	<0.001	
7/12/2017			
7/13/2017			
10/24/2017	<0.001	<0.001	
10/25/2017			
10/26/2017			
2/27/2018	<0.001	<0.001	
2/28/2018			
3/1/2018			
3/2/2018			
7/11/2018		<0.001	
7/12/2018			
11/6/2018	<0.001	<0.001	
11/7/2018			
11/8/2018			
8/27/2019		<0.001	
8/28/2019	8.2E-05 (J)		
8/29/2019			
10/15/2019			
10/16/2019	0.00029 (J)		
10/17/2019		<0.001	
10/18/2019			
3/2/2020			
3/3/2020	0.00023 (J)	0.00017 (J)	
3/4/2020			
8/11/2020		<0.001	
8/12/2020	0.0007 (J)		
8/13/2020			
8/14/2020			
8/17/2020			8.8E-05 (J)
9/22/2020		0.00015 (J)	
9/23/2020	0.00011 (J)		
9/24/2020			
9/25/2020			0.00021 (J)
3/1/2021			
3/2/2021	0.00027 (J)	0.00028 (J)	
3/3/2021			
3/8/2021			0.00018 (J)

Time Series

Constituent: Lead (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
9/9/2021			
9/10/2021		<0.001	
9/13/2021	<0.001		<0.001

Time Series

Constituent: Lead (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
1/30/2019									
9/11/2019									
10/21/2019									
8/13/2020									
8/17/2020									
9/24/2020									
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)	
1/13/2021							<0.001		
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							<0.001		
3/12/2021									
4/14/2021									0.00032 (J)
4/15/2021									
9/9/2021									
9/10/2021		<0.001					<0.001		
9/13/2021	<0.001			<0.001	<0.001				
9/14/2021			<0.001			<0.001		<0.001	<0.001

Time Series

Constituent: Lead (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	B-120D	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
9/28/2020		9.1E-05 (J)	
12/9/2020			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		0.0001 (J)	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			<0.001
4/14/2021			
4/15/2021	0.00019 (J)		
9/9/2021			<0.001
9/10/2021			
9/13/2021		<0.001	
9/14/2021	<0.001		

Time Series

Constituent: Lead (mg/L) Analysis Run 11/8/2021 1:03 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
1/28/2019	<0.001								
1/30/2019		<0.001							
9/11/2019	4.7E-05 (J)								
9/12/2019		<0.001							
9/18/2019			0.00032 (J)						
9/23/2019				0.00016 (J)					
10/21/2019		<0.001		<0.001	0.00012 (J)				
10/22/2019	7.3E-05 (J)								
10/24/2019			<0.001						
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)	
9/24/2020			0.00021 (J)						
9/25/2020					6.5E-05 (J)	0.00035 (J)			
9/28/2020				0.00011 (J)				0.00012 (J)	
3/4/2021			0.00029 (J)		0.00017 (J)				
3/5/2021						0.012			
3/9/2021								<0.001	
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				

Time Series

Constituent: Lead (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

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1/28/2019	
1/30/2019	
9/11/2019	
9/12/2019	
9/18/2019	
9/23/2019	
10/21/2019	
10/22/2019	
10/24/2019	
8/13/2020	
8/14/2020	
8/17/2020	
8/19/2020	
9/24/2020	
9/25/2020	
9/28/2020	
3/4/2021	
3/5/2021	
3/9/2021	
9/13/2021	
9/14/2021	
9/15/2021	<0.001
9/16/2021	

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-10	DGWC-11	DGWC-12	DGWC-13	DGWC-14	DGWC-15
8/31/2016				0.0022 (J)	0.0022 (J)			0.0031 (J)	
9/1/2016						<0.03			
9/6/2016							0.0029 (J)		0.0064 (J)
9/7/2016									
12/6/2016				<0.03	0.0027 (J)			0.0042 (J)	
12/7/2016						<0.03	0.003 (J)		0.0066 (J)
12/8/2016									
3/28/2017	0.0108 (J)	0.0054 (J)	0.0025 (J)						
3/29/2017				0.002 (J)	0.0021 (J)	<0.03		0.0041 (J)	
3/30/2017							0.0035 (J)		0.0061 (J)
5/11/2017	0.0087 (J)								
5/12/2017			0.0016 (J)						
5/15/2017		0.002 (J)							
6/15/2017	0.0088 (J)	<0.03							
6/16/2017			0.0016 (J)						
7/11/2017		<0.03	<0.03						
7/12/2017	0.0075 (J)			0.0019 (J)	0.0022 (J)	<0.03	0.0028 (J)	0.0036 (J)	0.006 (J)
8/8/2017		<0.03							
10/24/2017	0.0103 (J)	<0.03	<0.03	0.0022 (J)	0.0024 (J)				
10/25/2017						<0.03		0.0032 (J)	0.0061 (J)
11/15/2017							0.0028 (J)		
2/27/2018		<0.03	0.0013 (J)	0.0037 (J)	0.0022 (J)	0.00097 (J)		0.0035 (J)	
2/28/2018							<0.03		0.0062 (J)
3/8/2018	0.011 (J)								
7/11/2018						<0.03		0.0034 (J)	0.0058 (J)
7/12/2018	0.0084 (J)								
11/6/2018		<0.03	<0.03	<0.03	<0.03				
11/7/2018	<0.03					<0.03	<0.03	<0.03	<0.05 (O)
8/27/2019		<0.03	0.0014 (J)	0.0053 (J)	0.0023 (J)	0.0011 (J)		0.0038 (J)	
8/28/2019	0.0092 (J)						0.0033 (J)		0.0063 (J)
9/17/2019						0.0011 (J)			
10/15/2019		<0.03	0.0012 (J)	0.0051 (J)	0.0019 (J)	0.00091 (J)			
10/16/2019	0.0094 (J)						0.0029 (J)	0.0032 (J)	
10/17/2019									0.0064 (J)
10/18/2019									
3/2/2020		<0.03	0.0011 (J)		0.0023 (J)	<0.03			
3/3/2020				0.0049 (J)			0.0035 (J)	0.008 (J)	0.0059 (J)
3/4/2020									
3/9/2020	0.0077 (J)								
8/11/2020		0.0019 (J)	0.0015 (J)	0.0033 (J)	0.0028 (J)	0.0011 (J)		0.0035 (J)	
8/12/2020							0.0034 (J)		
8/13/2020	0.0085 (J)								0.0089 (J)
8/14/2020									
9/22/2020	0.0089 (J)	<0.03	0.0012 (J)		0.0019 (J)	<0.03		0.0038 (J)	
9/23/2020							0.0033 (J)		0.006 (J)
9/24/2020				0.0049 (J)					
3/1/2021		<0.03	0.0012 (J)						
3/2/2021					0.0017 (J)		0.0033 (J)	0.004 (J)	0.0051 (J)
3/3/2021						<0.03			
3/4/2021				0.0042 (J)					
3/12/2021	0.0083 (J)								
9/8/2021			0.0013 (J)						

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		0.0034 (J)	
9/6/2016			
9/7/2016	<0.03		
12/6/2016			
12/7/2016		0.0034 (J)	
12/8/2016	<0.03		
3/28/2017			
3/29/2017		0.0031 (J)	
3/30/2017	<0.03		0.0807
5/11/2017			0.085
5/12/2017			
5/15/2017			
6/15/2017			0.0781
6/16/2017			
7/11/2017			0.0731
7/12/2017	<0.03	0.0032 (J)	
8/8/2017			
10/24/2017			0.0995
10/25/2017	<0.03	0.0031 (J)	
11/15/2017			
2/27/2018			0.0875
2/28/2018	<0.03	0.0031 (J)	
3/8/2018			
7/11/2018	<0.03	0.0034 (J)	0.033 (J)
7/12/2018			
11/6/2018			<0.03
11/7/2018	<0.03	<0.03	
8/27/2019	0.00089 (J)		0.032
8/28/2019		0.0032 (J)	
9/17/2019			
10/15/2019			
10/16/2019		0.0026 (J)	
10/17/2019			0.029 (J)
10/18/2019	0.00096 (J)		
3/2/2020			
3/3/2020		0.0034 (J)	0.026 (J)
3/4/2020	0.0011 (J)		
3/9/2020			
8/11/2020		0.0031 (J)	0.028 (J)
8/12/2020			
8/13/2020			
8/14/2020	0.0015 (J)		
9/22/2020		0.0034 (J)	
9/23/2020			0.022 (J)
9/24/2020	0.00096 (J)		
3/1/2021			
3/2/2021		0.003 (J)	0.023 (J)
3/3/2021	0.0011 (J)		
3/4/2021			
3/12/2021			
9/8/2021			

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
9/9/2021		0.0035 (J)	0.024 (J)
9/10/2021			
9/13/2021	<0.03		

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
9/9/2021		0.006 (J)		0.0081 (J)					
9/10/2021	0.0023 (J)		0.0039 (J)		0.0035 (J)		0.053	0.095	0.0071 (J)
9/13/2021						0.015 (J)			

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	0.005 (J)	0.0212 (J)	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	0.0066 (J)	0.0242 (J)	
12/7/2016			
12/8/2016			
3/28/2017		0.0249 (J)	
3/29/2017	0.0059 (J)		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	0.0045 (J)	0.022 (J)	
7/12/2017			
7/13/2017			
10/24/2017	0.0072 (J)	0.0281 (J)	
10/25/2017			
10/26/2017			
2/27/2018	0.0075 (J)	0.031 (J)	
2/28/2018			
3/1/2018			
3/2/2018			
7/11/2018		0.028 (J)	
7/12/2018			
11/6/2018	<0.03	<0.03	
11/7/2018			
11/8/2018			
8/27/2019		0.031	
8/28/2019	0.0048 (J)		
8/29/2019			
10/15/2019			
10/16/2019	0.0045 (J)		
10/17/2019		0.029 (J)	
10/18/2019			
3/2/2020			
3/3/2020	0.0052 (J)	0.028 (J)	
3/4/2020			
8/11/2020		0.032	
8/12/2020	0.0058 (J)		
8/13/2020			
8/14/2020			
8/17/2020			0.0013 (J)
9/22/2020		0.025 (J)	
9/23/2020	0.0045 (J)		
9/24/2020			
9/25/2020			0.0027 (J)
3/1/2021			
3/2/2021	0.0046 (J)	0.028 (J)	
3/3/2021			
3/8/2021			0.0024 (J)

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
9/9/2021			
9/10/2021		0.027 (J)	
9/13/2021	0.0034 (J)		0.0022 (J)

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
1/30/2019									
9/11/2019									
10/21/2019									
8/13/2020									
8/17/2020									
9/24/2020									
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)	
1/13/2021							0.016 (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							0.014 (J)		
3/12/2021									
4/14/2021									0.089
4/15/2021									
9/9/2021									
9/10/2021		0.012 (J)					0.013 (J)		
9/13/2021	0.011 (J)			0.0056 (J)	0.014 (J)				
9/14/2021			0.036			0.015 (J)		0.029 (J)	0.085

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	B-120D	B-56	B-62
1/30/2019			<0.03
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)
9/28/2020		0.005 (J)	
12/9/2020			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		0.0051 (J)	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			0.0087 (J)
4/14/2021			
4/15/2021	0.088		
9/9/2021			0.0094 (J)
9/10/2021			
9/13/2021		0.0055 (J)	
9/14/2021	0.077		

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 1:03 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
1/28/2019	<0.03								
1/30/2019		<0.03							
9/11/2019	0.0064 (J)								
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)				
10/22/2019	0.0062 (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)			
8/19/2020								0.011 (J)	
9/24/2020			0.00095 (J)						
9/25/2020					0.0018 (J)	0.0016 (J)			
9/28/2020				0.001 (J)				0.011 (J)	
3/4/2021			0.0011 (J)		0.0024 (J)				
3/5/2021						0.029 (J)			
3/9/2021								0.012 (J)	
3/12/2021	0.0066 (J)								
9/13/2021						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)				

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-98

1/28/2019	
1/30/2019	
9/11/2019	
9/12/2019	
9/18/2019	
9/23/2019	
10/21/2019	
10/22/2019	
10/24/2019	
8/13/2020	
8/14/2020	
8/17/2020	
8/19/2020	
9/24/2020	
9/25/2020	
9/28/2020	
3/4/2021	
3/5/2021	
3/9/2021	
3/12/2021	
9/13/2021	
9/14/2021	
9/15/2021	0.0012 (J)
9/16/2021	

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	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
9/7/2016									
12/6/2016				9E-05 (J)	8E-05 (J)			8E-05 (J)	
12/7/2016						<0.0002	9E-05 (J)		<0.0002
12/8/2016									
3/28/2017	<0.0002	<0.0002	<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)
5/11/2017	<0.0002								
5/12/2017			6E-05 (J)						
5/15/2017		<0.0002							
6/15/2017	8E-05 (J)	7E-05 (J)							
6/16/2017			7E-05 (J)						
7/11/2017		<0.0002	<0.0002						
7/12/2017	<0.0002			<0.0002	<0.0002	8E-05 (J)	<0.0002	<0.0002	<0.0002
8/8/2017		<0.0002							
10/24/2017	<0.0002	<0.0002	<0.0002	<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	<0.0002	<0.0002	6E-05 (J)		<0.0002	
2/28/2018							<0.0002		<0.0002
3/8/2018	<0.0002								
7/11/2018						3.6E-05 (J)		<0.0002	<0.0002
7/12/2018	<0.0002								
11/6/2018		<0.0002	<0.0002	<0.0002	<0.0002				
11/7/2018	<0.0002					<0.0002	<0.0002	<0.0002	<0.0002
8/27/2019		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002	
8/28/2019	<0.0002						<0.0002		<0.0002
9/17/2019						<0.0002			
10/15/2019		<0.0002	<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									
3/2/2020		<0.0002	<0.0002		<0.0002	<0.0002			
3/3/2020				<0.0002			<0.0002	<0.0002	<0.0002
3/4/2020									
3/9/2020	<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								<0.0002
8/14/2020									
9/22/2020	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002		<0.0002	
9/23/2020							<0.0002		<0.0002
9/24/2020				8.1E-05 (J)					
3/1/2021		<0.0002	9E-05 (J)						
3/2/2021					<0.0002		<0.0002	<0.0002	<0.0002
3/3/2021						<0.0002			
3/4/2021				<0.0002					
3/12/2021	<0.0002								
9/8/2021			9.6E-05 (J)						

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		4E-05 (J)	
9/6/2016			
9/7/2016	6E-05 (J)		
12/6/2016			
12/7/2016		5E-05 (J)	
12/8/2016	<0.0002		
3/28/2017			
3/29/2017		9E-05 (J)	
3/30/2017	0.00012 (J)		7E-05 (J)
5/11/2017			8.3E-05 (J)
5/12/2017			
5/15/2017			
6/15/2017			8E-05 (J)
6/16/2017			
7/11/2017			<0.0002
7/12/2017	5E-05 (J)	<0.0002	
8/8/2017			
10/24/2017			<0.0002
10/25/2017	5E-05 (J)	<0.0002	
11/15/2017			
2/27/2018			<0.0002
2/28/2018	<0.0002	<0.0002	
3/8/2018			
7/11/2018	<0.0002	<0.0002	<0.0002
7/12/2018			
11/6/2018			0.00064
11/7/2018	<0.0002	<0.0002	
8/27/2019	0.00016 (J)		<0.0002
8/28/2019		<0.0002	
9/17/2019			
10/15/2019			
10/16/2019		<0.0002	
10/17/2019			<0.0002
10/18/2019	<0.0002		
3/2/2020			
3/3/2020		<0.0002	<0.0002
3/4/2020	<0.0002		
3/9/2020			
8/11/2020		<0.0002	<0.0002
8/12/2020			
8/13/2020			
8/14/2020	9.8E-05 (J)		
9/22/2020		<0.0002	
9/23/2020			<0.0002
9/24/2020	8.2E-05 (J)		
3/1/2021			
3/2/2021		<0.0002	<0.0002
3/3/2021	<0.0002		
3/4/2021			
3/12/2021			
9/8/2021			

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
9/9/2021		<0.0002	<0.0002
9/10/2021			
9/13/2021	8.6E-05 (J)		

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
8/30/2016									
8/31/2016									0.00015 (J)
9/1/2016							<0.0002	<0.0002	
9/2/2016	<0.0002	6E-05 (J)	5E-05 (J)						
9/7/2016						<0.0002			
12/6/2016									0.00012 (J)
12/7/2016	8E-05 (J)								
12/8/2016		<0.0002	<0.0002			<0.0002	<0.0002	<0.0002	
3/28/2017					<0.0002				0.00017 (J)
3/29/2017	8E-05 (J)		0.0001 (J)						
3/30/2017		8E-05 (J)		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)
7/12/2017	<0.0002	6E-05 (J)		0.00012 (J)					
7/13/2017			<0.0002			<0.0002	<0.0002	<0.0002	
10/24/2017					<0.0002				
10/25/2017	<0.0002	5E-05 (J)	<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)
2/28/2018	<0.0002	<0.0002	<0.0002			<0.0002			
3/1/2018				<0.0002			<0.0002		
3/2/2018								<0.0002	
7/11/2018	<0.0002	<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
11/7/2018	<0.0002	<0.0002	<0.0002			<0.0002	<0.0002	<0.0002	
11/8/2018				<0.0002					
8/27/2019					<0.0002				0.00016 (J)
8/28/2019						<0.0002			
8/29/2019	<0.0002	<0.0002	<0.0002	<0.0002			<0.0002	<0.0002	
10/15/2019					<0.0002				
10/16/2019									<0.0002
10/17/2019	<0.0002	<0.0002				<0.0002	<0.0002		
10/18/2019			<0.0002	<0.0002				<0.0002	
3/2/2020					<0.0002				<0.0002
3/3/2020		<0.0002	<0.0002						
3/4/2020	<0.0002			0.00026		<0.0002	<0.0002	<0.0002	
8/11/2020									
8/12/2020					<0.0002		<0.0002		0.00017 (J)
8/13/2020	<0.0002			0.00014 (J)		<0.0002		<0.0002	
8/14/2020		<0.0002	<0.0002						
8/17/2020									
9/22/2020	<0.0002				<0.0002	<0.0002			0.0002 (J)
9/23/2020							<0.0002	<0.0002	
9/24/2020		0.00012 (J)	<0.0002	0.0002 (J)					
9/25/2020									
3/1/2021					<0.0002				
3/2/2021	9E-05 (J)								9.4E-05 (J)
3/3/2021		<0.0002	<0.0002	0.00033		<0.0002	<0.0002	<0.0002	
9/9/2021		<0.0002		0.00011 (J)					

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
9/10/2021	<0.0002		0.00011 (J)		0.00013 (J)		<0.0002	<0.0002	0.0003
9/13/2021						<0.0002			

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	9E-05 (J)	<0.0002	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	0.0001 (J)	5E-05 (J)	
12/7/2016			
12/8/2016			
3/28/2017		<0.0002	
3/29/2017	0.00012 (J)		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	6E-05 (J)	<0.0002	
7/12/2017			
7/13/2017			
10/24/2017	<0.0002	<0.0002	
10/25/2017			
10/26/2017			
2/27/2018	4.2E-05 (J)	4.2E-05 (J)	
2/28/2018			
3/1/2018			
3/2/2018			
7/11/2018		<0.0002	
7/12/2018			
11/6/2018	<0.0002	<0.0002	
11/7/2018			
11/8/2018			
8/27/2019		0.00021 (J)	
8/28/2019	<0.0002		
8/29/2019			
10/15/2019			
10/16/2019	<0.0002		
10/17/2019		0.00042 (J)	
10/18/2019			
3/2/2020			
3/3/2020	<0.0002	<0.0002	
3/4/2020			
8/11/2020		0.00026	
8/12/2020	7.9E-05 (J)		
8/13/2020			
8/14/2020			
8/17/2020			0.00011 (J)
9/22/2020		0.00013 (J)	
9/23/2020	<0.0002		
9/24/2020			
9/25/2020			<0.0002
3/1/2021			
3/2/2021	<0.0002	0.00017 (J)	
3/3/2021			
9/9/2021			

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
9/10/2021		0.00014 (J)	
9/13/2021	<0.0002		<0.0002

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
1/30/2019									
9/11/2019									
10/21/2019									
8/13/2020									
8/17/2020									
9/24/2020									
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	
1/13/2021							<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	
3/8/2021							<0.0002		
3/12/2021									
4/14/2021									<0.0002
4/15/2021									
9/9/2021									
9/10/2021		<0.0002					<0.0002		
9/13/2021	<0.0002			<0.0002	<0.0002				
9/14/2021			<0.0002			<0.0002		<0.0002	<0.0002

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	B-120D	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
9/28/2020		<0.0002	
12/9/2020			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		<0.0002	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			<0.0002
4/14/2021			
4/15/2021	<0.0002		
9/9/2021			<0.0002
9/10/2021			
9/13/2021		<0.0002	
9/14/2021	<0.0002		

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/8/2021 1:03 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
1/28/2019	<0.0002								
1/30/2019		<0.0002							
9/11/2019	<0.0002								
9/12/2019		<0.0002							
9/18/2019			<0.0002						
9/23/2019				<0.0002					
10/21/2019		<0.0002		<0.0002	<0.0002				
10/22/2019	<0.0002								
10/24/2019			<0.0002						
8/13/2020			<0.0002						
8/14/2020					<0.0002				
8/17/2020				0.00011 (J)		0.00011 (J)			
8/19/2020								0.00026	
9/24/2020			<0.0002						
9/25/2020					<0.0002	<0.0002			
9/28/2020				<0.0002				0.00024 (J)	
3/4/2021			<0.0002		<0.0002				
3/5/2021						0.0001 (J)			
3/9/2021								0.00015 (J)	
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				

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-98

1/28/2019	
1/30/2019	
9/11/2019	
9/12/2019	
9/18/2019	
9/23/2019	
10/21/2019	
10/22/2019	
10/24/2019	
8/13/2020	
8/14/2020	
8/17/2020	
8/19/2020	
9/24/2020	
9/25/2020	
9/28/2020	
3/4/2021	
3/5/2021	
3/9/2021	
9/13/2021	
9/14/2021	
9/15/2021	<0.0002
9/16/2021	

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-10	DGWC-11	DGWC-12	DGWC-13	DGWC-14	DGWC-15
8/31/2016				<0.01	<0.01			<0.01	
9/1/2016						<0.01			
9/6/2016							0.0371		<0.01
9/7/2016									
12/6/2016				<0.01	<0.01			<0.01	
12/7/2016						<0.01	0.0273		<0.01
12/8/2016									
3/28/2017	0.0242	<0.01	0.0009 (J)						
3/29/2017				<0.01	<0.01	<0.01		<0.01	
3/30/2017							0.03		<0.01
5/11/2017	0.0375								
5/12/2017			<0.01						
5/15/2017		<0.01							
6/15/2017	0.0409	<0.01							
6/16/2017			<0.01						
7/11/2017		<0.01	<0.01						
7/12/2017	0.0321			<0.01	<0.01	<0.01	0.0323	<0.01	<0.01
8/8/2017		<0.01							
10/24/2017	0.0227	<0.01	<0.01	<0.01	<0.01				
10/25/2017						<0.01		<0.01	<0.01
11/15/2017							0.0275		
2/27/2018		<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	
2/28/2018							0.0093 (J)		<0.01
3/8/2018	0.035								
7/11/2018						<0.01		<0.01	<0.01
7/12/2018	0.034								
11/6/2018		<0.01	<0.01	<0.01	<0.01				
11/7/2018	0.029					<0.01	0.018	<0.01	<0.01
8/27/2019		<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	
8/28/2019	0.031						0.015		<0.01
9/17/2019						<0.01			
10/15/2019		<0.01	<0.01	<0.01	<0.01	<0.01			
10/16/2019	0.037						0.014	<0.01	
10/17/2019									<0.01
10/18/2019									
3/2/2020		<0.01	<0.01		<0.01	<0.01			
3/3/2020				<0.01			0.018	<0.01	<0.01
3/4/2020									
3/9/2020	0.026								
8/11/2020		<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	
8/12/2020							0.012		
8/13/2020	0.012								<0.01
8/14/2020									
9/22/2020	0.039	<0.01	<0.01		<0.01	<0.01		<0.01	
9/23/2020							0.012		<0.01
9/24/2020				<0.01					
3/1/2021		<0.01	<0.01						
3/2/2021					<0.01		0.011	<0.01	<0.01
3/3/2021						<0.01			
3/4/2021				<0.01					
3/12/2021	0.018								
9/8/2021			<0.01						

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		<0.01	
9/6/2016			
9/7/2016	<0.01		
12/6/2016			
12/7/2016		<0.01	
12/8/2016	<0.01		
3/28/2017			
3/29/2017		<0.01	
3/30/2017	<0.01		0.0009 (J)
5/11/2017			0.0009 (J)
5/12/2017			
5/15/2017			
6/15/2017			<0.01
6/16/2017			
7/11/2017			<0.01
7/12/2017	<0.01	<0.01	
8/8/2017			
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	
3/8/2018			
7/11/2018	<0.01	<0.01	<0.01
7/12/2018			
11/6/2018			<0.01
11/7/2018	<0.01	<0.01	
8/27/2019	<0.01		0.002 (J)
8/28/2019		<0.01	
9/17/2019			
10/15/2019			
10/16/2019		<0.01	
10/17/2019			0.0018 (J)
10/18/2019	<0.01		
3/2/2020			
3/3/2020		<0.01	0.0022 (J)
3/4/2020	<0.01		
3/9/2020			
8/11/2020		<0.01	0.002 (J)
8/12/2020			
8/13/2020			
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		<0.01	0.0021 (J)
3/3/2021	<0.01		
3/4/2021			
3/12/2021			
9/8/2021			

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
9/9/2021		<0.01	0.0023 (J)
9/10/2021			
9/13/2021	<0.01		

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
9/9/2021		<0.01		0.01					
9/10/2021	<0.01		<0.01		0.0052 (J)		<0.01	<0.01	<0.01
9/13/2021						<0.01			

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	<0.01	<0.01	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	<0.01	<0.01	
12/7/2016			
12/8/2016			
3/28/2017		<0.01	
3/29/2017	<0.01		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	<0.01	<0.01	
7/12/2017			
7/13/2017			
10/24/2017	<0.01	<0.01	
10/25/2017			
10/26/2017			
2/27/2018	<0.01	<0.01	
2/28/2018			
3/1/2018			
3/2/2018			
7/11/2018		<0.01	
7/12/2018			
11/6/2018	<0.01	<0.01	
11/7/2018			
11/8/2018			
8/27/2019		<0.01	
8/28/2019	<0.01		
8/29/2019			
10/15/2019			
10/16/2019	<0.01		
10/17/2019		<0.01	
10/18/2019			
3/2/2020			
3/3/2020	<0.01	<0.01	
3/4/2020			
8/11/2020		<0.01	
8/12/2020	<0.01		
8/13/2020			
8/14/2020			
8/17/2020			<0.01
9/22/2020		<0.01	
9/23/2020	<0.01		
9/24/2020			
9/25/2020			<0.01
3/1/2021			
3/2/2021	<0.01	<0.01	
3/3/2021			
3/8/2021			<0.01

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
9/9/2021			
9/10/2021		<0.01	
9/13/2021	<0.01		<0.01

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
1/30/2019									
9/11/2019									
10/21/2019									
8/13/2020									
8/17/2020									
9/24/2020									
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)	
1/13/2021							0.0022 (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							0.0014 (J)		
3/12/2021									
4/14/2021									<0.01
4/15/2021									
9/9/2021									
9/10/2021		<0.01					0.0011 (J)		
9/13/2021	<0.01			<0.01	<0.01				
9/14/2021			<0.01			<0.01		0.013	<0.01

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	B-120D	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
9/28/2020		<0.01	
12/9/2020			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		<0.01	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			<0.01
4/14/2021			
4/15/2021	0.00089 (J)		
9/9/2021			<0.01
9/10/2021			
9/13/2021		<0.01	
9/14/2021	<0.01		

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/8/2021 1:03 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
1/28/2019	<0.01								
1/30/2019		<0.01							
9/11/2019	<0.01								
9/12/2019		0.0018 (J)							
9/18/2019			<0.01						
9/23/2019				<0.01					
10/21/2019		0.0015 (J)		<0.01	<0.01				
10/22/2019	<0.01								
10/24/2019			<0.01						
8/13/2020			<0.01						
8/14/2020					<0.01				
8/17/2020				<0.01		0.0012 (J)			
8/19/2020								<0.01	
9/24/2020			<0.01						
9/25/2020					<0.01	0.0012 (J)			
9/28/2020				<0.01				<0.01	
3/4/2021			<0.01		<0.01				
3/5/2021						<0.01			
3/9/2021								<0.01	
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				

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-98

1/28/2019	
1/30/2019	
9/11/2019	
9/12/2019	
9/18/2019	
9/23/2019	
10/21/2019	
10/22/2019	
10/24/2019	
8/13/2020	
8/14/2020	
8/17/2020	
8/19/2020	
9/24/2020	
9/25/2020	
9/28/2020	
3/4/2021	
3/5/2021	
3/9/2021	
9/13/2021	
9/14/2021	
9/15/2021	<0.01
9/16/2021	

Time Series

Constituent: pH, Field (SU) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-10	DGWC-11	DGWC-12	DGWC-13	DGWC-14	DGWC-15
8/31/2016				4.58	5.83			5.68	
9/1/2016					5.67				
9/6/2016							5.69		5.79
9/7/2016									
12/6/2016				4.9	5.91			5.63	
12/7/2016						5.65	5.96		5.94
12/8/2016									
3/28/2017	6.29		5.94						
3/29/2017				4.62	5.74	5.61		5.68	
3/30/2017							5.94		5.8
5/11/2017	6.6								
5/12/2017			5.46						
5/15/2017		5.72							
6/15/2017	6.41	5.74							
6/16/2017			5.81						
7/11/2017		5.62	5.74						
7/12/2017	5.91			4.81	5.82	5.81	5.84	5.66	5.81
8/8/2017		5.6							
10/24/2017	5.51	5.71	5.86	4.8	5.79				
10/25/2017						6.07		6.18	5.9
11/15/2017	6.5		5.77	4.9			5.87		
2/27/2018		5.5	5.66	5.55	5.94	5.73		5.63	
2/28/2018							5.99		5.8
3/8/2018	6.18								
7/10/2018		5.44	5.63	5.27	5.62		5.92		
7/11/2018								5.61	5.87
7/12/2018	6.33								
11/6/2018		5.71	5.79	5.3	5.69				
11/7/2018	6.22					5.85	5.87	5.58	5.9
3/12/2019		5.52	5.74	5.26	5.7	5.98			
3/13/2019	6						5.79	5.61	
3/14/2019									5.77
8/27/2019		5.53	5.87	5.14	5.55	5.55		5.58	
8/28/2019	6.04						5.71		5.88
9/17/2019						5.6			
10/15/2019		5.61	5.88	4.96	5.6	5.89			
10/16/2019	6.69						5.69	5.66	
10/17/2019									5.76
10/18/2019									
3/2/2020		5.54	5.77		5.62	6.13			
3/3/2020				4.77			5.71	5.73	5.79
3/4/2020									
3/9/2020	6.41								
8/11/2020		5.86	5.96	4.92	5.68	5.69		5.73	
8/12/2020							5.68		
8/13/2020	6.17								6.58
8/14/2020									
9/22/2020	6.43	6.01	6.06		5.54	6		5.7	
9/23/2020							5.72		5.85
9/24/2020				4.89					
3/1/2021		5.43	5.8						
3/2/2021					5.59		5.68	5.69	5.81

Time Series

Constituent: pH, Field (SU) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		4.64	
9/6/2016			
9/7/2016	5.05		
12/6/2016			
12/7/2016		4.63	
12/8/2016	5.12		
3/28/2017			
3/29/2017		4.7	
3/30/2017	5.08		5.75
5/11/2017			5.67
5/12/2017			
5/15/2017			
6/15/2017			5.75
6/16/2017			
7/11/2017			5.87
7/12/2017	5	4.76	
8/8/2017			
10/24/2017			5.82
10/25/2017	5.73	4.66	
11/15/2017			
2/27/2018			5.85
2/28/2018	5.22	4.63	
3/8/2018			
7/10/2018			
7/11/2018	5.07	4.71	5.85
7/12/2018			
11/6/2018			5.88
11/7/2018	5.09	4.69	
3/12/2019			5.94
3/13/2019	5.07	4.76	
3/14/2019			
8/27/2019	4.96		5.94
8/28/2019		4.85	
9/17/2019			
10/15/2019			
10/16/2019		4.87	
10/17/2019			6.16
10/18/2019	5.08		
3/2/2020			
3/3/2020	5.07	4.89	5.94
3/4/2020	5.07		
3/9/2020			
8/11/2020		4.9	6.04
8/12/2020			
8/13/2020			
8/14/2020	5.01		
9/22/2020		4.91	
9/23/2020			5.99
9/24/2020	5.1		
3/1/2021			
3/2/2021		4.84	6.01

Time Series

Constituent: pH, Field (SU) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
3/3/2021	5.23		
3/4/2021			
3/12/2021			
9/8/2021			
9/9/2021		4.82	6
9/10/2021			
9/13/2021	5.06		

Time Series

Constituent: pH, Field (SU) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
8/30/2016									
8/31/2016									4.31
9/1/2016							5.11	4.7	
9/2/2016	4.7	5.7	5.74						
9/7/2016						5.35			
12/6/2016									4.43
12/8/2016		5.64	6.03			5.41	5.71	4.58	
3/28/2017					6.01				4.44
3/29/2017	4.7		5.77						
3/30/2017		5.79		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
7/12/2017	4.67	5.71		5.97					
7/13/2017			5.71			5.27	4.95	4.3	
10/24/2017					5.99				
10/25/2017	4.71	5.68	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
2/28/2018	4.51	5.71	5.77			5.37			
3/1/2018				6.19			3.93		
3/2/2018								4.14	
7/10/2018					5.96				4.77
7/11/2018	4.68					5.19			
7/12/2018			5.62	5.97			4.33	4.36	
11/6/2018					5.97				4.89
11/7/2018	4.64	5.61	5.71			5.18	4.48	4.23	
11/8/2018				5.96					
3/12/2019					5.85				4.42
3/13/2019	4.65	5.62							
3/14/2019			5.67	5.99		5.1	3.88	4.12	
8/27/2019					5.84				4.83
8/28/2019						5.3			
8/29/2019	4.64	5.61	5.66	5.96			4.35	4.28	
10/15/2019					5.98				
10/16/2019									4.78
10/17/2019	4.64	5.57				5.2	4.6		
10/18/2019			5.61	5.99				4.22	
3/2/2020					5.88				4.8
3/3/2020		5.65	5.74						
3/4/2020	4.22			5.68		5.18	3.86	4.27	
8/3/2020									
8/11/2020									
8/12/2020					5.93		4.43		4.84
8/13/2020	4.36			6		5.34		4.26	
8/14/2020		5.66	5.76						
8/17/2020									
9/22/2020	4.66				5.88	5.76			4.83
9/23/2020							4.4	4.64	
9/24/2020		5.64	5.69	6.19					

Time Series

Constituent: pH, Field (SU) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
9/25/2020									
3/1/2021					5.82				
3/2/2021	4.45								5
3/3/2021		5.63	5.71	5.85		5.3	3.98	4.14	
3/8/2021									
9/9/2021		5.73		6					
9/10/2021	4.67		5.65		5.83		4.1	4.3	4.89
9/13/2021						5.15			

Time Series

Constituent: pH, Field (SU) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	5.33	4.08	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	5.39	4.15	
12/8/2016			
3/28/2017		4.16	
3/29/2017	5.23		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	5.33	4.23	
7/12/2017			
7/13/2017			
10/24/2017	5.05	4.06	
10/25/2017			
10/26/2017			
11/15/2017			
2/27/2018	5.08	4.04	
2/28/2018			
3/1/2018			
3/2/2018			
7/10/2018	5.11		
7/11/2018		4.03	
7/12/2018			
11/6/2018	5.13	4	
11/7/2018			
11/8/2018			
3/12/2019	5.07	3.98	
3/13/2019			
3/14/2019			
8/27/2019		4.02	
8/28/2019	5.11		
8/29/2019			
10/15/2019			
10/16/2019	5.33		
10/17/2019		4.02	
10/18/2019			
3/2/2020			
3/3/2020	5.12	4.07	
3/4/2020			
8/3/2020			4.93
8/11/2020		4	
8/12/2020	5.36		
8/13/2020			
8/14/2020			
8/17/2020			5.02
9/22/2020		4	
9/23/2020	5.21		
9/24/2020			

Time Series

Constituent: pH, Field (SU) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
9/25/2020			5.53
3/1/2021			
3/2/2021	6.6	3.99	
3/3/2021			
3/8/2021			5.32
9/9/2021			
9/10/2021		3.98	
9/13/2021	5.05		5.27

Time Series

Constituent: pH, Field (SU) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
9/11/2019									
10/21/2019									
8/13/2020									
8/17/2020									
9/24/2020									
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	
1/13/2021							6.42		
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							6.42		
3/12/2021									
4/14/2021									4.8
4/15/2021									
9/9/2021									
9/10/2021		5.36					6.86		
9/13/2021	6.07			5.91	5.88				
9/14/2021			8.58			5.81		7.29	5.38

Time Series

Constituent: pH, Field (SU) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	B-120D	B-56	B-62
9/11/2019			6.27
10/21/2019			6.24
8/13/2020			6.4
8/17/2020		4.82	
9/24/2020			6.55
9/28/2020		4.9	
12/9/2020			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		4.71	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			6.34
4/14/2021			
4/15/2021	5.46		
9/9/2021			6.31
9/10/2021			
9/13/2021		4.69	
9/14/2021	5.3		

Time Series

Constituent: pH, Field (SU) Analysis Run 11/8/2021 1:03 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
1/28/2019	5.39								
1/30/2019		6.83							
9/11/2019	5.48								
9/12/2019		6.87							
9/18/2019			6.14						
9/23/2019				5.21					
10/21/2019		6.74		5.34	5.54				
10/22/2019	5.55								
10/24/2019			6.26						
8/13/2020			6.14						
8/14/2020					5.59				
8/17/2020				5.48		5.76			
8/19/2020								4.78	
9/24/2020			6.46						
9/25/2020					5.97	5.75			
9/28/2020				5.84				4.67	
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									
9/13/2021						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 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-98

1/28/2019	
1/30/2019	
9/11/2019	
9/12/2019	
9/18/2019	
9/23/2019	
10/21/2019	
10/22/2019	
10/24/2019	
8/13/2020	
8/14/2020	
8/17/2020	
8/19/2020	
9/24/2020	
9/25/2020	
9/28/2020	
3/4/2021	
3/5/2021	
3/9/2021	
3/12/2021	
3/15/2021	6.3
9/13/2021	
9/14/2021	
9/15/2021	5.4
9/16/2021	

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-10	DGWC-11	DGWC-12	DGWC-13	DGWC-14	DGWC-15
8/31/2016				0.0366	<0.005			0.0016 (J)	
9/1/2016						0.0017 (J)			
9/6/2016							0.0011 (J)		<0.005
9/7/2016									
12/6/2016				0.0026 (J)	<0.005			<0.005	
12/7/2016						<0.005	0.0015 (J)		<0.005
12/8/2016									
3/28/2017	<0.005	<0.005	<0.005						
3/29/2017				0.0286	<0.005	0.0017 (J)		<0.005	
3/30/2017							0.0015 (J)		<0.005
5/11/2017	<0.005								
5/12/2017			<0.005						
5/15/2017		<0.005							
6/15/2017	<0.005	<0.005							
6/16/2017			<0.005						
7/11/2017		<0.005	<0.005						
7/12/2017	<0.005			0.0257	<0.005	0.0019 (J)	<0.005	<0.005	<0.005
8/8/2017		<0.005							
10/24/2017	<0.005	<0.005	<0.005	0.0281	<0.005				
10/25/2017						0.0024 (J)		<0.005	<0.005
11/15/2017							0.0019 (J)		
2/27/2018		<0.005	<0.005	0.0667	<0.005	<0.005		<0.005	
2/28/2018							<0.005		<0.005
3/8/2018	<0.005								
7/11/2018						<0.005		0.002 (J)	<0.005
7/12/2018	<0.005								
11/6/2018		<0.005	<0.005	0.049	<0.005				
11/7/2018	<0.005					<0.01 (J)	<0.01 (J)	<0.01 (J)	<0.01 (J)
8/27/2019		<0.005	<0.005	0.015	<0.005	<0.005		<0.005	
8/28/2019	<0.005						0.0039 (J)		<0.005
9/17/2019						0.0014 (J)			
10/15/2019		<0.005	<0.005	0.071	<0.005	0.0019 (J)			
10/16/2019	<0.005						0.0031 (J)	0.0017 (J)	
10/17/2019									<0.005
10/18/2019									
3/2/2020		<0.005	<0.005		<0.005	<0.005			
3/3/2020				0.021			0.0062 (J)	0.0014 (J)	<0.005
3/4/2020									
3/9/2020	<0.005								
8/11/2020		<0.005	<0.005	0.023	<0.005	0.0019 (J)		<0.005	
8/12/2020							0.0038 (J)		
8/13/2020	<0.005								0.0018 (J)
8/14/2020									
9/22/2020	<0.005	<0.005	<0.005		<0.005	<0.005		<0.005	
9/23/2020							0.0053 (J)		<0.005
9/24/2020				0.074					
3/1/2021		<0.005	<0.005						
3/2/2021					<0.005		0.006	<0.005	<0.005
3/3/2021						<0.005			
3/4/2021				0.05					
3/12/2021	<0.005								
9/8/2021			<0.005						

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		0.0093 (J)	
9/6/2016			
9/7/2016	0.007 (J)		
12/6/2016			
12/7/2016		<0.005	
12/8/2016	0.0087 (J)		
3/28/2017			
3/29/2017		0.0071 (J)	
3/30/2017	0.0099 (J)		<0.005
5/11/2017			<0.005
5/12/2017			
5/15/2017			
6/15/2017			<0.005
6/16/2017			
7/11/2017			<0.005
7/12/2017	0.0072 (J)	0.0065 (J)	
8/8/2017			
10/24/2017			<0.005
10/25/2017	0.0078 (J)	0.0087 (J)	
11/15/2017			
2/27/2018			<0.005
2/28/2018	<0.005	0.0114	
3/8/2018			
7/11/2018	0.007 (J)	0.0036 (J)	0.0045 (J)
7/12/2018			
11/6/2018			<0.01 (J)
11/7/2018	<0.005	<0.01 (J)	
8/27/2019	0.0073 (J)		0.0069 (J)
8/28/2019		0.004 (J)	
9/17/2019			
10/15/2019			
10/16/2019		0.006 (J)	
10/17/2019			0.0051 (J)
10/18/2019	0.0093 (J)		
3/2/2020			
3/3/2020		0.0066 (J)	0.0047 (J)
3/4/2020	0.0074 (J)		
3/9/2020			
8/11/2020		0.0096 (J)	0.0053 (J)
8/12/2020			
8/13/2020			
8/14/2020	0.0084 (J)		
9/22/2020		0.0052 (J)	
9/23/2020			0.0046 (J)
9/24/2020	0.015		
3/1/2021			
3/2/2021		0.0091	0.0037 (J)
3/3/2021	0.0072		
3/4/2021			
3/12/2021			
9/8/2021			

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
9/9/2021		0.0083	0.0031 (J)
9/10/2021			
9/13/2021	0.0071		

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
9/9/2021		<0.005		<0.005					
9/10/2021	0.031		<0.005		<0.005		0.0035 (J)	0.0022 (J)	0.0099
9/13/2021						<0.005			

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	0.0032 (J)	0.0833	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	<0.005	0.0065 (J)	
12/7/2016			
12/8/2016			
3/28/2017		0.0954	
3/29/2017	0.0048 (J)		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	0.0031 (J)	0.0561	
7/12/2017			
7/13/2017			
10/24/2017	0.0069 (J)	0.0653	
10/25/2017			
10/26/2017			
2/27/2018	<0.005	0.13	
2/28/2018			
3/1/2018			
3/2/2018			
7/11/2018		0.045	
7/12/2018			
11/6/2018	<0.01 (J)	0.12	
11/7/2018			
11/8/2018			
8/27/2019		0.067	
8/28/2019	<0.005		
8/29/2019			
10/15/2019			
10/16/2019	0.0016 (J)		
10/17/2019		0.19	
10/18/2019			
3/2/2020			
3/3/2020	0.0018 (J)	0.046	
3/4/2020			
8/11/2020		0.11	
8/12/2020	<0.005		
8/13/2020			
8/14/2020			
8/17/2020			<0.005
9/22/2020		0.23	
9/23/2020	0.0028 (J)		
9/24/2020			
9/25/2020			<0.005
3/1/2021			
3/2/2021	<0.005	0.07	
3/3/2021			
3/8/2021			0.0019 (J)

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Constituent: Selenium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
9/9/2021			
9/10/2021		0.057	
9/13/2021	<0.005		<0.005

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
1/30/2019									
9/11/2019									
10/21/2019									
8/13/2020									
8/17/2020									
9/24/2020									
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	
1/13/2021							<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							<0.005		
3/12/2021									
4/14/2021									0.006
4/15/2021									
9/9/2021									
9/10/2021		<0.005					<0.005		
9/13/2021	<0.005			<0.005	<0.005				
9/14/2021			<0.005			<0.005		<0.005	0.0041 (J)

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Constituent: Selenium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	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		0.011	
9/24/2020			<0.005
9/28/2020		0.029	
12/9/2020			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		0.013	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			<0.005
4/14/2021			
4/15/2021	0.0016 (J)		
9/9/2021			<0.005
9/10/2021			
9/13/2021		0.011	
9/14/2021	0.0022 (J)		

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/8/2021 1:03 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
2/19/2018		<0.005							
1/28/2019	<0.005								
1/30/2019		<0.005							
9/11/2019	<0.005								
9/12/2019		<0.005							
9/18/2019			<0.005						
9/23/2019				<0.005					
10/21/2019		<0.005		0.0016 (J)	0.0082 (J)				
10/22/2019	<0.005								
10/24/2019			<0.005						
8/13/2020			<0.005						
8/14/2020					0.015				
8/17/2020				<0.005		0.0017 (J)			
8/19/2020								0.018	
9/24/2020			<0.005						
9/25/2020					0.019	0.0033 (J)			
9/28/2020				0.0021 (J)				0.036	
3/4/2021			0.0017 (J)		0.024				
3/5/2021						0.0033 (J)			
3/9/2021								0.0099 (J)	
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				

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-98

2/19/2018
1/28/2019
1/30/2019
9/11/2019
9/12/2019
9/18/2019
9/23/2019
10/21/2019
10/22/2019
10/24/2019
8/13/2020
8/14/2020
8/17/2020
8/19/2020
9/24/2020
9/25/2020
9/28/2020
3/4/2021
3/5/2021
3/9/2021
9/13/2021
9/14/2021
9/15/2021
9/16/2021

0.0033 (J)

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		240	
9/6/2016			
9/7/2016	230		
12/6/2016			
12/7/2016		250	
12/8/2016	240		
3/28/2017			
3/29/2017		250	
3/30/2017	260		360
5/11/2017			340
5/12/2017			
5/15/2017			
6/15/2017			300
6/16/2017			
7/11/2017			330
7/12/2017	230	250	
8/8/2017			
10/24/2017			260
10/25/2017	240	270	
11/15/2017			
2/27/2018			189
2/28/2018	203	244	
3/8/2018			
7/11/2018	234	249	162
7/12/2018			
11/6/2018			190
11/7/2018	248	266	
3/12/2019			159
3/13/2019	268	299	
3/14/2019			
10/15/2019			
10/16/2019		323	
10/17/2019			134
10/18/2019	222		
3/2/2020			
3/3/2020		292	118
3/4/2020	222		
3/9/2020			
9/22/2020		310	
9/23/2020			122
9/24/2020	259		
3/1/2021			
3/2/2021		324	112
3/3/2021	237		
3/4/2021			
3/12/2021			
9/8/2021			
9/9/2021		315	110
9/10/2021			
9/13/2021	222		

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
8/30/2016									
8/31/2016									400
9/1/2016							470	540	
9/2/2016	580	300	140						
9/7/2016						370			
12/6/2016									460
12/7/2016	650								
12/8/2016		280	260			350	400	540	
3/28/2017					680				380
3/29/2017	640		290						
3/30/2017		270		220				550	
3/31/2017						380	350		
5/12/2017				220	680				
6/15/2017				200	730				
7/11/2017					740				440
7/12/2017	630	290		220					
7/13/2017			300			370	270	500	
10/24/2017					930				
10/25/2017	610	290	290			370			510
10/26/2017				220			290	510	
11/15/2017					820				
2/27/2018					811				453
2/28/2018	584	267	278			350			
3/1/2018				209			245		
3/2/2018								456	
7/11/2018	501	277				366			
7/12/2018			197	202			240	409	
11/6/2018					902				556
11/7/2018	554	286	320			439	143	432	
11/8/2018				292					
3/12/2019					987				484
3/13/2019	539	312							
3/14/2019			297	266		404	238	450	
10/15/2019					888				
10/16/2019									493
10/17/2019	426	255				321	179		
10/18/2019			254	203				336	
3/2/2020					840				455
3/3/2020		269	242						
3/4/2020	434			204		329	176	368	
9/22/2020	408				800	320			423
9/23/2020							111	313	
9/24/2020		269	262	215					
9/25/2020									
3/1/2021					840				
3/2/2021	458								412
3/3/2021		264	252	221		329	143	312	
3/8/2021									
9/9/2021		238		217					
9/10/2021	399		234		823		123	272	449
9/13/2021						285			

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	450	300	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	480	320	
12/7/2016			
12/8/2016			
3/28/2017		300	
3/29/2017	660		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	440	320	
7/12/2017			
7/13/2017			
10/24/2017	430	430	
10/25/2017			
10/26/2017			
11/15/2017			
2/27/2018	340	327	
2/28/2018			
3/1/2018			
3/2/2018			
7/11/2018		344	
7/12/2018			
11/6/2018	307	438	
11/7/2018			
11/8/2018			
3/12/2019	295	362	
3/13/2019			
3/14/2019			
10/15/2019			
10/16/2019	235		
10/17/2019		331	
10/18/2019			
3/2/2020			
3/3/2020	195	247	
3/4/2020			
9/22/2020		282	
9/23/2020	178		
9/24/2020			
9/25/2020			385
3/1/2021			
3/2/2021	152	266	
3/3/2021			
3/8/2021			388
9/9/2021			
9/10/2021		264	
9/13/2021	145		351

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
1/30/2019									
10/21/2019									
9/24/2020									
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	
1/13/2021							99.8		
3/3/2021									
3/4/2021		256	474	170	309	309			
3/5/2021	236							270	
3/8/2021							102		
3/12/2021									
4/14/2021									256
4/15/2021									
9/9/2021									
9/10/2021		271					93.2		
9/13/2021	174			147	275				
9/14/2021			456			299		243	278

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	B-120D	B-56	B-62
1/30/2019			74.7
10/21/2019			55.3
9/24/2020			50.6
9/28/2020		211	
12/9/2020			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		225	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			46.5
4/14/2021			
4/15/2021	556		
9/9/2021			49.2
9/10/2021			
9/13/2021		189	
9/14/2021	552		

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/8/2021 1:03 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
1/28/2019	87.9								
1/30/2019		292							
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
9/24/2020			2.9						
9/25/2020					107	344			
9/28/2020				287				419	
3/4/2021			4.9		113				
3/5/2021						497			
3/9/2021								488	
9/13/2021						321			
9/14/2021	73.2	268	2.5	326					
9/15/2021							384	478	551
9/16/2021					106				

Time Series

Constituent: Sulfate as SO₄ (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-98

1/28/2019	
1/30/2019	
10/21/2019	
10/22/2019	
10/24/2019	
11/22/2019	
12/18/2019	
12/19/2019	
2/17/2020	150
9/24/2020	
9/25/2020	
9/28/2020	
3/4/2021	
3/5/2021	
3/9/2021	
9/13/2021	
9/14/2021	
9/15/2021	325
9/16/2021	

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-10	DGWC-11	DGWC-12	DGWC-13	DGWC-14	DGWC-15
8/31/2016				0.0004 (J)	<0.001			<0.001	
9/1/2016						<0.001			
9/6/2016							<0.001		<0.001
9/7/2016									
12/6/2016				0.0004 (J)	<0.001			<0.001	
12/7/2016						<0.001	<0.001		<0.001
12/8/2016									
3/28/2017	<0.001	<0.001	6E-05 (J)						
3/29/2017				0.0006 (J)	<0.001	8E-05 (J)		<0.001	
3/30/2017							<0.001		<0.001
5/11/2017	<0.001								
5/12/2017			<0.001						
5/15/2017		<0.001							
6/15/2017	<0.001	<0.001							
6/16/2017			<0.001						
7/11/2017		<0.001	<0.001						
7/12/2017	<0.001			0.0005 (J)	<0.001	9E-05 (J)	<0.001	<0.001	<0.001
8/8/2017		<0.001							
10/24/2017	<0.001	<0.001	<0.001	0.0004 (J)	<0.001				
10/25/2017						9E-05 (J)		<0.001	<0.001
11/15/2017							<0.001		
2/27/2018		<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	
2/28/2018							<0.001		<0.001
3/8/2018	<0.001								
7/11/2018						<0.001		<0.001	<0.001
7/12/2018	<0.001								
11/6/2018		<0.001	<0.001	<0.001 (J)	<0.001				
11/7/2018	<0.001					<0.001	<0.001	<0.001	<0.001 (J)
8/27/2019		<0.001	<0.001	0.00036 (J)	<0.001	8.9E-05 (J)		<0.001	
8/28/2019	<0.001						<0.001		<0.001
9/17/2019						9.7E-05 (J)			
10/15/2019		<0.001	<0.001	0.00039 (J)	<0.001	9.1E-05 (J)			
10/16/2019	<0.001						<0.001	<0.001	
10/17/2019									<0.001
10/18/2019									
3/2/2020		7.8E-05 (J)	<0.001		<0.001	0.00013 (J)			
3/3/2020				0.00042 (J)			<0.001	<0.001	<0.001
3/4/2020									
3/9/2020	<0.001								
8/11/2020		<0.001	<0.001	0.00037 (J)	<0.001	<0.001		<0.001	
8/12/2020							<0.001		
8/13/2020	<0.001								<0.001
8/14/2020									
9/22/2020	<0.001	<0.001	<0.001		<0.001	<0.001		<0.001	
9/23/2020							<0.001		<0.001
9/24/2020				0.00034 (J)					
3/1/2021		<0.001	<0.001						
3/2/2021					<0.001		<0.001	<0.001	<0.001
3/3/2021						<0.001			
3/4/2021				0.00042 (J)					
3/12/2021	<0.001								
9/8/2021			<0.001						

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		0.0005 (J)	
9/6/2016			
9/7/2016	<0.001		
12/6/2016			
12/7/2016		0.0005 (J)	
12/8/2016	<0.001		
3/28/2017			
3/29/2017		0.0004 (J)	
3/30/2017	0.0002 (J)		<0.001
5/11/2017			<0.001
5/12/2017			
5/15/2017			
6/15/2017			<0.001
6/16/2017			
7/11/2017			<0.001
7/12/2017	0.0002 (J)	0.0005 (J)	
8/8/2017			
10/24/2017			<0.001
10/25/2017	0.0002 (J)	0.0004 (J)	
11/15/2017			
2/27/2018			<0.001
2/28/2018	0.00015 (J)	0.00049 (J)	
3/8/2018			
7/11/2018	0.00017 (J)	0.0005 (J)	<0.001
7/12/2018			
11/6/2018			<0.001
11/7/2018	<0.001	<0.001 (J)	
8/27/2019	0.00018 (J)		<0.001
8/28/2019		0.00053 (J)	
9/17/2019			
10/15/2019			
10/16/2019		0.00053 (J)	
10/17/2019			<0.001
10/18/2019	0.00014 (J)		
3/2/2020			
3/3/2020		0.0006 (J)	<0.001
3/4/2020	0.00019 (J)		
3/9/2020			
8/11/2020		0.00059 (J)	<0.001
8/12/2020			
8/13/2020			
8/14/2020	0.00019 (J)		
9/22/2020		0.0005 (J)	
9/23/2020			<0.001
9/24/2020	0.00018 (J)		
3/1/2021			
3/2/2021		0.00056 (J)	<0.001
3/3/2021	0.00017 (J)		
3/4/2021			
3/12/2021			
9/8/2021			

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
9/9/2021		0.00056 (J)	<0.001
9/10/2021			
9/13/2021	<0.001		

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
9/9/2021		<0.001		<0.001					
9/10/2021	0.00052 (J)		<0.001		<0.001		0.00036 (J)	<0.001	<0.001
9/13/2021						<0.001			

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	<0.001	<0.001	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	<0.001	0.0006 (J)	
12/7/2016			
12/8/2016			
3/28/2017		0.0007 (J)	
3/29/2017	0.0002 (J)		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	0.0001 (J)	0.0007 (J)	
7/12/2017			
7/13/2017			
10/24/2017	0.0003 (J)	0.0006 (J)	
10/25/2017			
10/26/2017			
2/27/2018	0.00033 (J)	0.00038 (J)	
2/28/2018			
3/1/2018			
3/2/2018			
7/11/2018		<0.001	
7/12/2018			
11/6/2018	<0.001 (J)	<0.001	
11/7/2018			
11/8/2018			
8/27/2019		0.00053 (J)	
8/28/2019	0.00022 (J)		
8/29/2019			
10/15/2019			
10/16/2019	0.00025 (J)		
10/17/2019		0.00076 (J)	
10/18/2019			
3/2/2020			
3/3/2020	0.00023 (J)	0.00044 (J)	
3/4/2020			
8/11/2020		<0.001	
8/12/2020	0.00023 (J)		
8/13/2020			
8/14/2020			
8/17/2020			<0.001
9/22/2020		0.00043 (J)	
9/23/2020	0.0002 (J)		
9/24/2020			
9/25/2020			<0.001
3/1/2021			
3/2/2021	0.00019 (J)	<0.001	
3/3/2021			
3/8/2021			<0.001

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
9/9/2021			
9/10/2021		0.0004 (J)	
9/13/2021	0.00019 (J)		<0.001

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
1/30/2019									
9/11/2019									
10/21/2019									
8/13/2020									
8/17/2020									
9/24/2020									
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	
1/13/2021							<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									
4/14/2021									<0.001
4/15/2021									
9/9/2021									
9/10/2021		<0.001					<0.001		
9/13/2021	<0.001			<0.001	<0.001				
9/14/2021			<0.001			<0.001		<0.001	<0.001

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	B-120D	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
9/28/2020		0.00023 (J)	
12/9/2020			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		0.00026 (J)	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			<0.001
4/14/2021			
4/15/2021	<0.001		
9/9/2021			<0.001
9/10/2021			
9/13/2021		0.00024 (J)	
9/14/2021	<0.001		

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/8/2021 1:03 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
1/28/2019	<0.001								
1/30/2019		<0.001							
9/11/2019	<0.001								
9/12/2019		<0.001							
9/18/2019			<0.001						
9/23/2019				9.9E-05 (J)					
10/21/2019		<0.001		0.00011 (J)	7.2E-05 (J)				
10/22/2019	<0.001								
10/24/2019			<0.001						
8/13/2020			<0.001						
8/14/2020					<0.001				
8/17/2020				<0.001		<0.001			
8/19/2020								<0.001	
9/24/2020			<0.001						
9/25/2020					<0.001	<0.001			
9/28/2020				<0.001				<0.001	
3/4/2021			<0.001		<0.001				
3/5/2021						0.0002 (J)			
3/9/2021								<0.001	
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				

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

B-98

1/28/2019	
1/30/2019	
9/11/2019	
9/12/2019	
9/18/2019	
9/23/2019	
10/21/2019	
10/22/2019	
10/24/2019	
8/13/2020	
8/14/2020	
8/17/2020	
8/19/2020	
9/24/2020	
9/25/2020	
9/28/2020	
3/4/2021	
3/5/2021	
3/9/2021	
9/13/2021	
9/14/2021	
9/15/2021	<0.001
9/16/2021	

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-17	DGWC-19	DGWC-2
8/31/2016			
9/1/2016		396	
9/6/2016			
9/7/2016	353		
12/6/2016			
12/7/2016		400	
12/8/2016	408		
3/28/2017			
3/29/2017		390	
3/30/2017	338		580
5/11/2017			573
5/12/2017			
5/15/2017			
6/15/2017			626
6/16/2017			
7/11/2017			542
7/12/2017	417	360	
8/8/2017			
10/24/2017			523
10/25/2017	343	423	
11/15/2017			
2/27/2018			401
2/28/2018	364	440	
3/8/2018			
7/11/2018	393	457	334
7/12/2018			
11/6/2018			334
11/7/2018	408	461	
3/12/2019			297
3/13/2019	802	113	
3/14/2019			
10/15/2019			
10/16/2019		500	
10/17/2019			302
10/18/2019	403		
3/2/2020			
3/3/2020		526	277
3/4/2020	414		
3/9/2020			
9/22/2020		513	
9/23/2020			267
9/24/2020	411		
3/1/2021			
3/2/2021		513	241
3/3/2021	384		
3/4/2021			
3/12/2021			
9/8/2021			
9/9/2021		480	260
9/10/2021			
9/13/2021	424		

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-21	DGWC-22	DGWC-23	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5
8/30/2016									
8/31/2016									524
9/1/2016							704	845	
9/2/2016	1100	459	502						
9/7/2016						611			
12/6/2016									690
12/7/2016	930								
12/8/2016		491	464			535	587	777	
3/28/2017					1160				545
3/29/2017	923		462						
3/30/2017		436		380				775	
3/31/2017						661	545		
5/12/2017				438	1230				
6/15/2017				458	1290				
7/11/2017					1160				612
7/12/2017	956	505		461					
7/13/2017			492			641	441	789	
10/24/2017					229				
10/25/2017	854	474	477			626			650
10/26/2017				446			444	753	
11/15/2017					1330				
2/27/2018					1380				698
2/28/2018	888	480	476			616			
3/1/2018				454			435		
3/2/2018								704	
7/11/2018	826	485				638			
7/12/2018			486	432			372	705	
11/6/2018					1480				809
11/7/2018	834	516	511			626	348	678	
11/8/2018				450					
3/12/2019					1490				711
3/13/2019	639	486							
3/14/2019			491	453		630	378	625	
10/15/2019					1520				
10/16/2019									702
10/17/2019	751	498				612	327		
10/18/2019			480	448				593	
3/2/2020					1540				759
3/3/2020		490	452						
3/4/2020	761			408		721	334	630	
9/22/2020	724				1400	547			716
9/23/2020							229	575	
9/24/2020		494	455	456					
9/25/2020									
3/1/2021					1140				
3/2/2021	742								730
3/3/2021		459	442	425		531	228	521	
3/8/2021									
9/9/2021		396		455					
9/10/2021	678		468		1520		274	532	792
9/13/2021						508			

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100
8/30/2016	693	414	
8/31/2016			
9/1/2016			
9/2/2016			
9/7/2016			
12/6/2016	727	449	
12/7/2016			
12/8/2016			
3/28/2017		404	
3/29/2017	654		
3/30/2017			
3/31/2017			
5/12/2017			
6/15/2017			
7/11/2017	679	436	
7/12/2017			
7/13/2017			
10/24/2017	468	599	
10/25/2017			
10/26/2017			
11/15/2017			
2/27/2018	520	482	
2/28/2018			
3/1/2018			
3/2/2018			
7/11/2018		532	
7/12/2018			
11/6/2018	456	554	
11/7/2018			
11/8/2018			
3/12/2019	438	493	
3/13/2019			
3/14/2019			
10/15/2019			
10/16/2019	374		
10/17/2019		550	
10/18/2019			
3/2/2020			
3/3/2020	369	444	
3/4/2020			
9/22/2020		461	
9/23/2020	333		
9/24/2020			
9/25/2020			724
3/1/2021			
3/2/2021	291	449	
3/3/2021			
3/8/2021			660
9/9/2021			
9/10/2021		466	
9/13/2021	306		636

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234

Plant McDonough Client: Southern Company Data: McDonough AP

	B-101D	B-102D	B-104D	B-106D	B-107D	B-108D	B-109D	B-111D	B-115D
1/30/2019									
10/21/2019									
9/24/2020									
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	
1/13/2021							303		
3/3/2021									
3/4/2021		459	818	321	525	569			
3/5/2021	462							634	
3/8/2021							305		
3/12/2021									
4/14/2021									480
4/15/2021									
9/9/2021									
9/10/2021		474					284		
9/13/2021	343			296	567				
9/14/2021			776			576		586	499

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

	B-120D	B-56	B-62
1/30/2019			287
10/21/2019			180
9/24/2020			170
9/28/2020		320	
12/9/2020			
12/17/2020			
1/11/2021			
1/12/2021			
1/13/2021			
3/3/2021		303	
3/4/2021			
3/5/2021			
3/8/2021			
3/12/2021			172
4/14/2021			
4/15/2021	982		
9/9/2021			174
9/10/2021			
9/13/2021		321	
9/14/2021	882		

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/8/2021 1:03 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
1/28/2019	204								
1/30/2019		601							
10/21/2019		617		458	214				
10/22/2019	178								
10/24/2019			106						
9/24/2020			124						
9/25/2020					244	624			
9/28/2020				454				686	
3/4/2021			128		234				
3/5/2021						798			
3/9/2021								790	
9/13/2021						572			
9/14/2021	170	490	94	536					
9/15/2021							612	812	892
9/16/2021					223				

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/8/2021 1:03 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

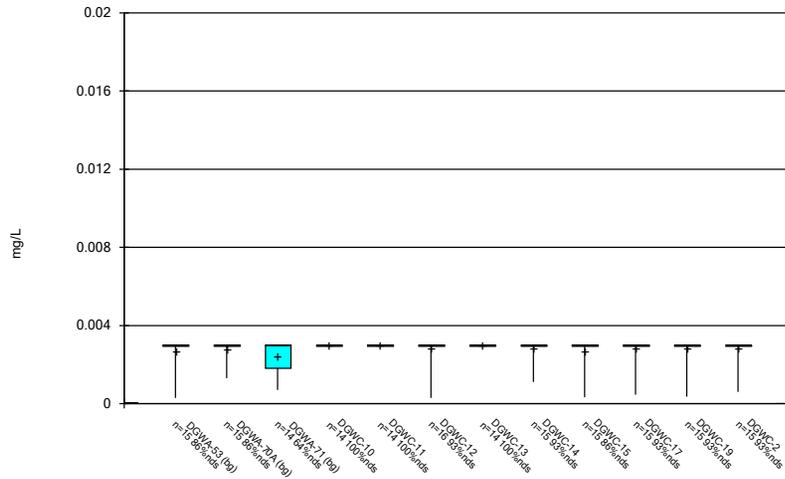
B-98

1/28/2019
1/30/2019
10/21/2019
10/22/2019
10/24/2019
9/24/2020
9/25/2020
9/28/2020
3/4/2021
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9/13/2021
9/14/2021
9/15/2021
9/16/2021

524

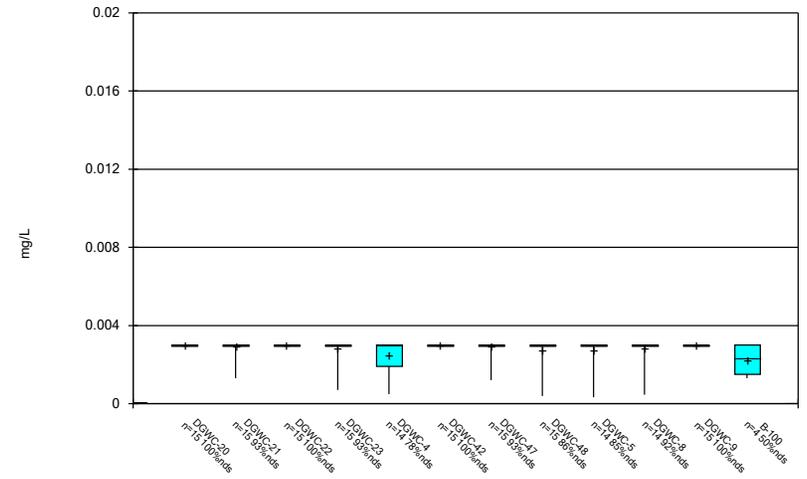
FIGURE B.

Box & Whiskers Plot



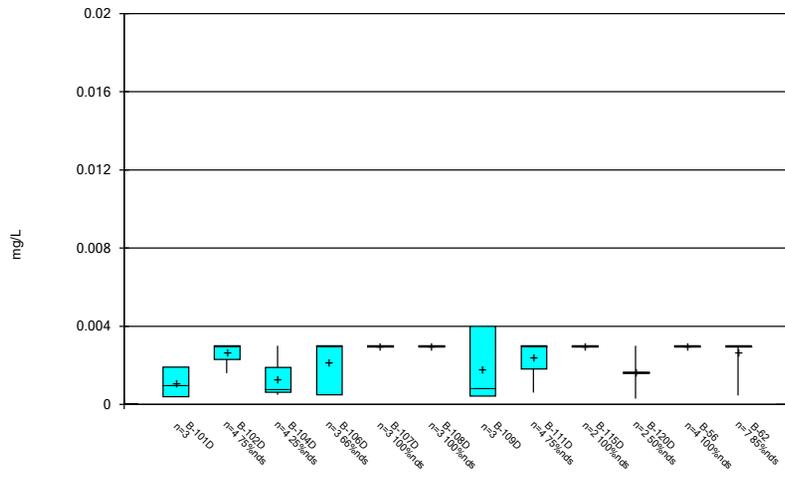
Constituent: Antimony Analysis Run 11/8/2021 1:08 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



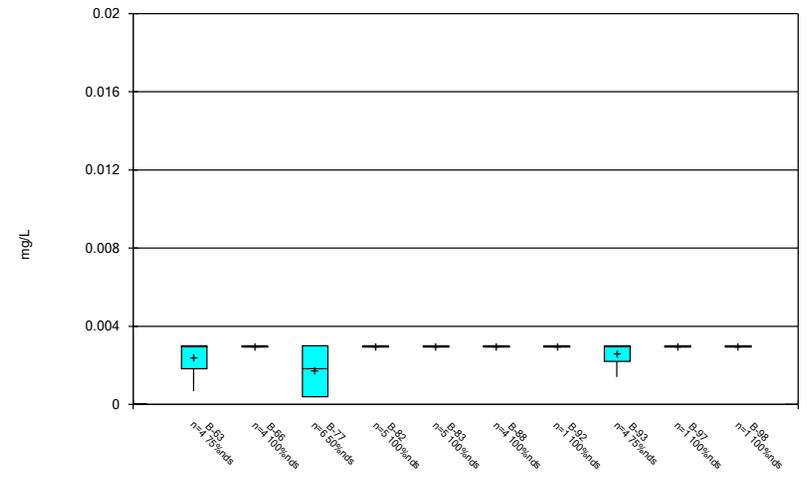
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



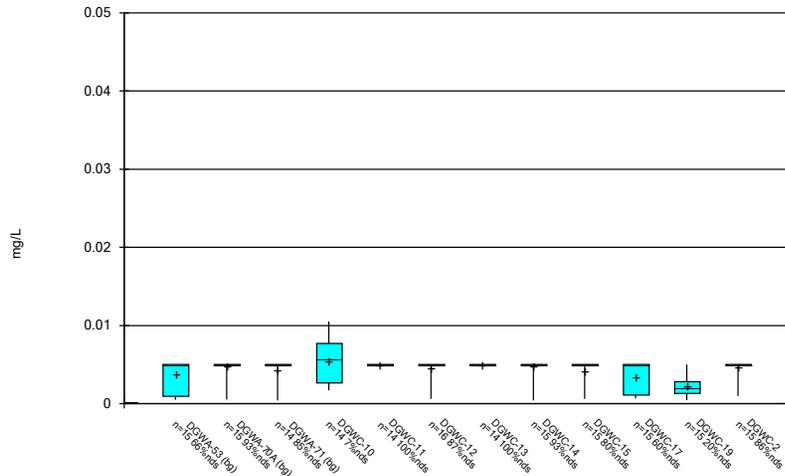
Constituent: Antimony Analysis Run 11/8/2021 1:08 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



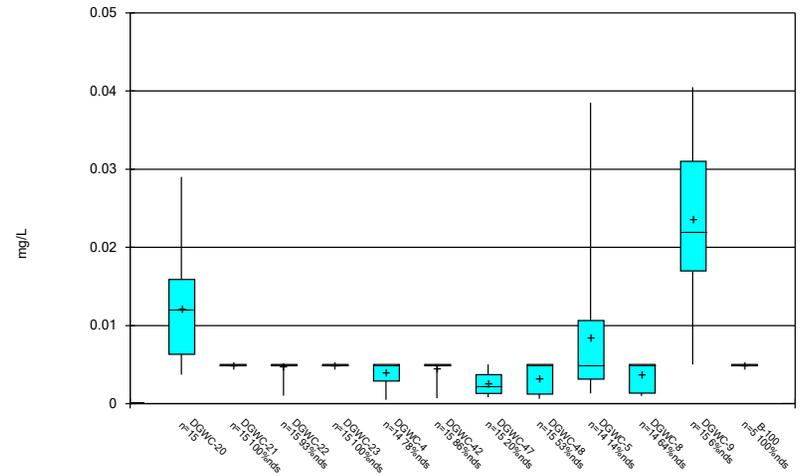
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Box & Whiskers Plot



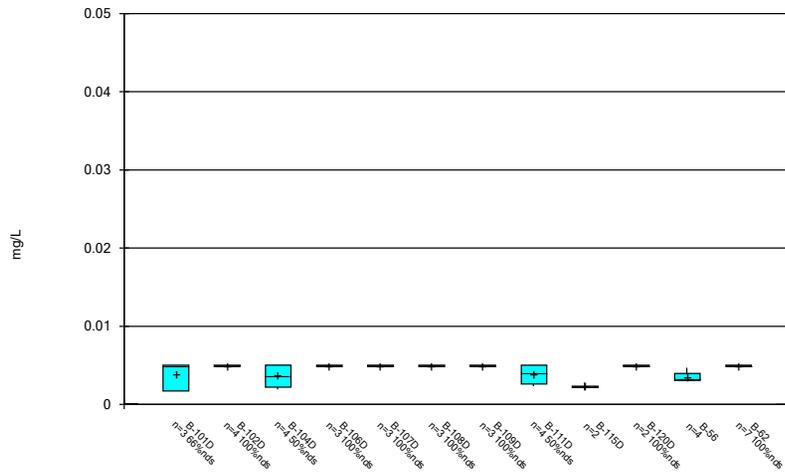
Constituent: Arsenic Analysis Run 11/8/2021 1:08 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



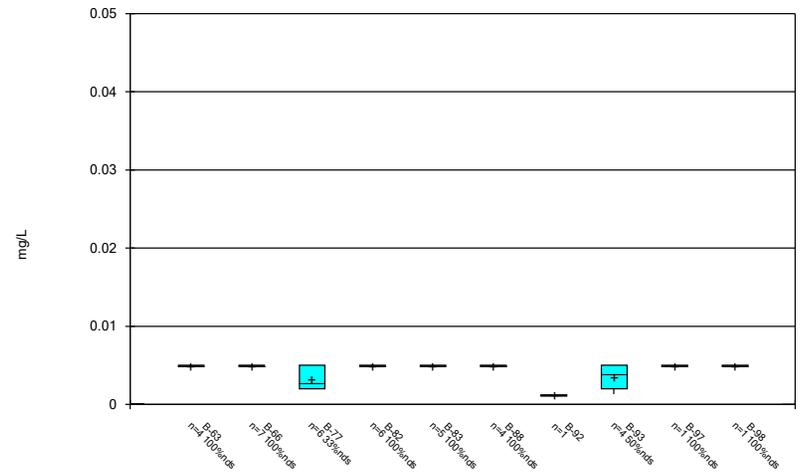
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



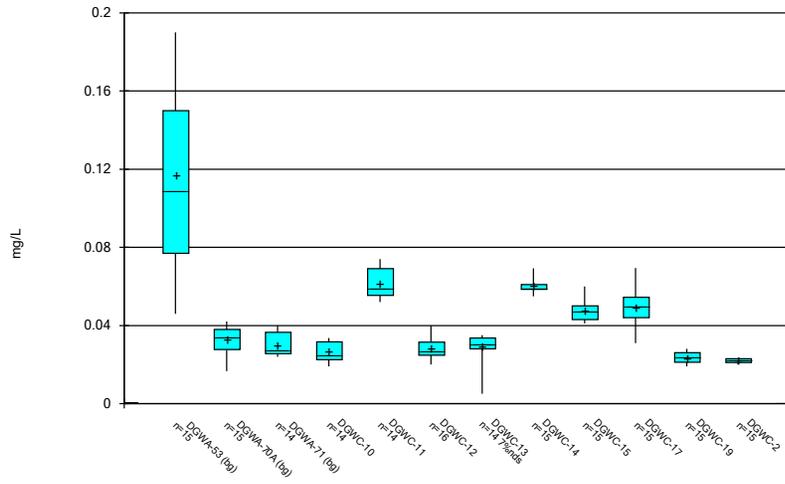
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



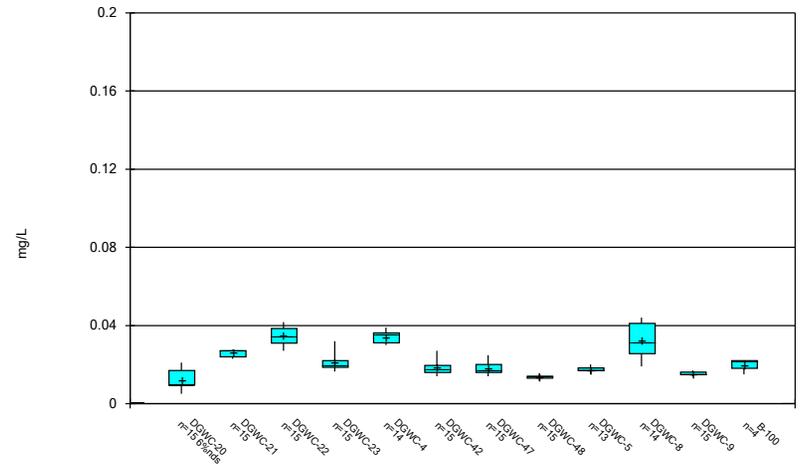
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



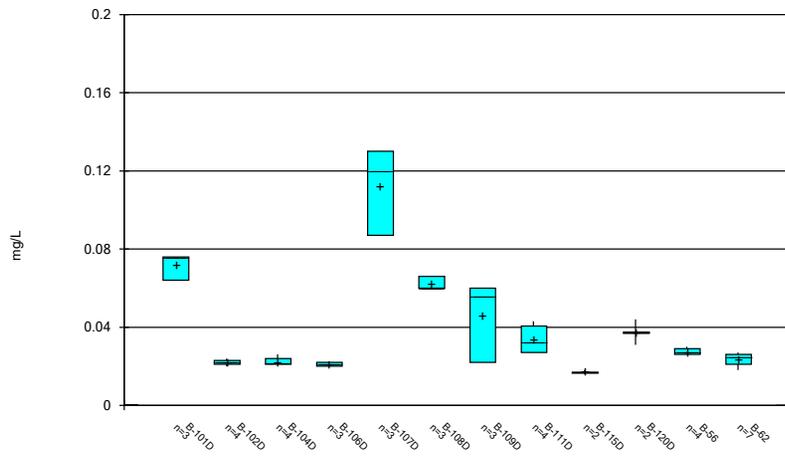
Constituent: Barium Analysis Run 11/8/2021 1:08 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



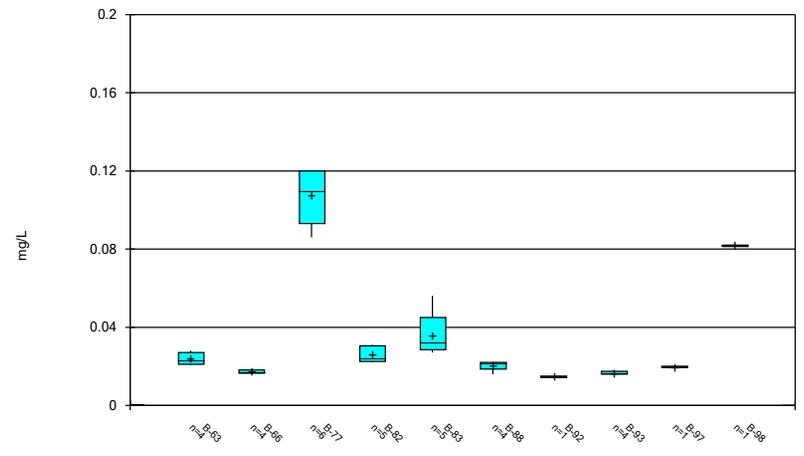
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



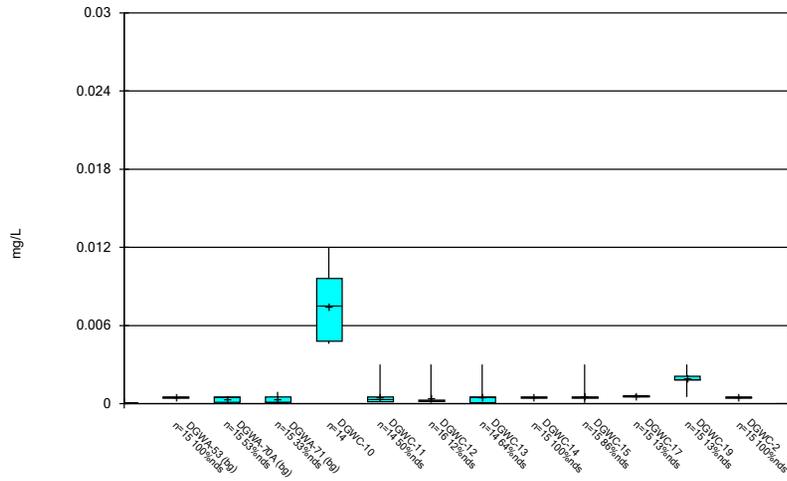
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



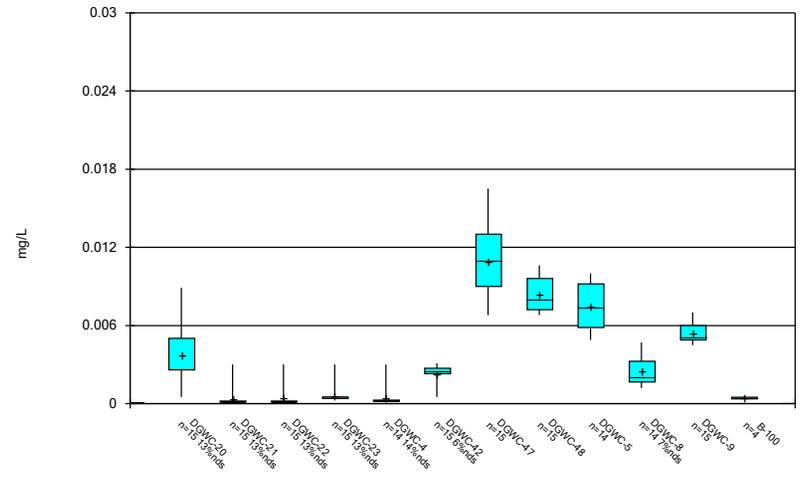
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



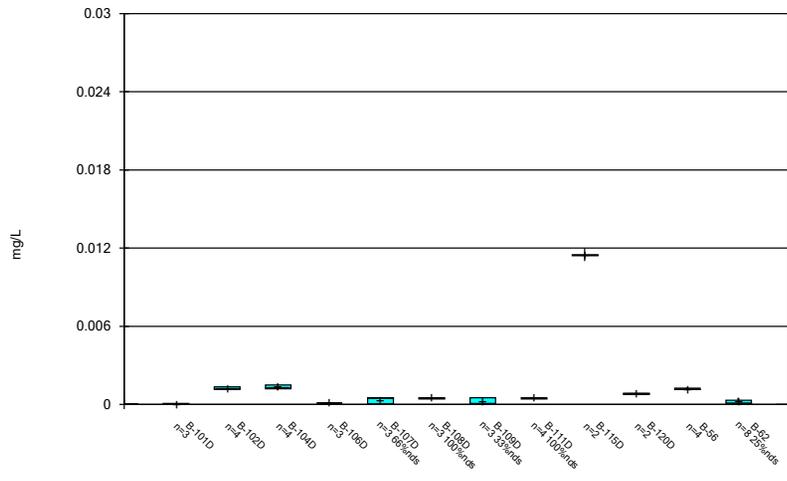
Constituent: Beryllium Analysis Run 11/8/2021 1:08 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



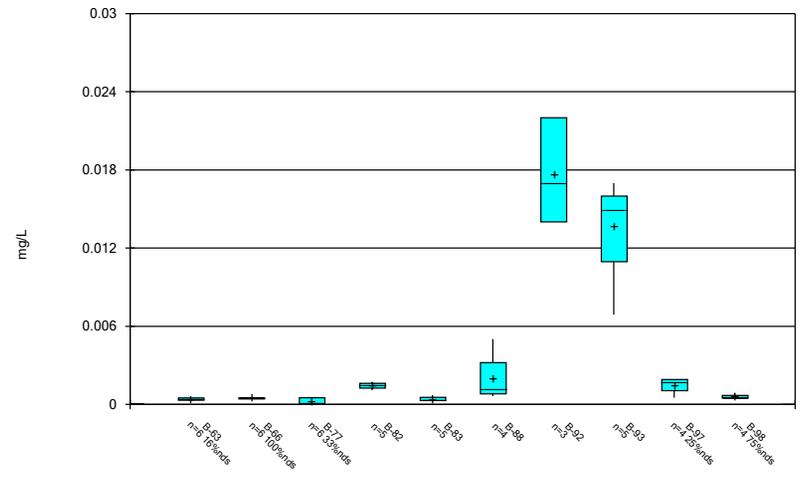
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



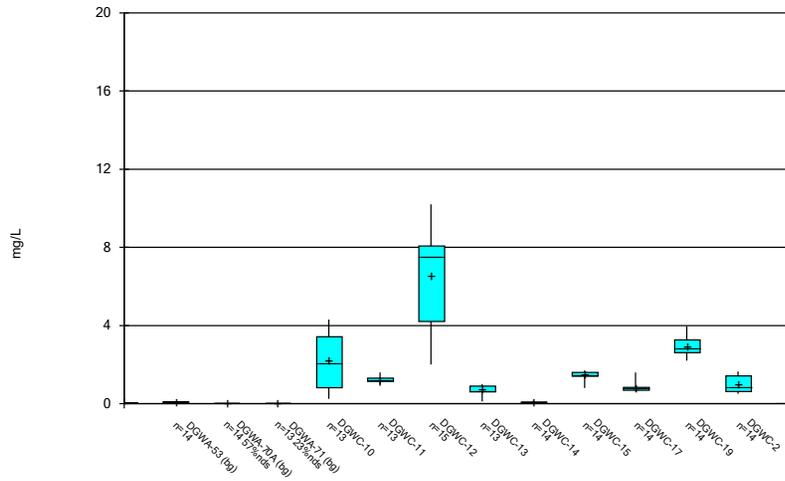
Constituent: Beryllium Analysis Run 11/8/2021 1:09 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



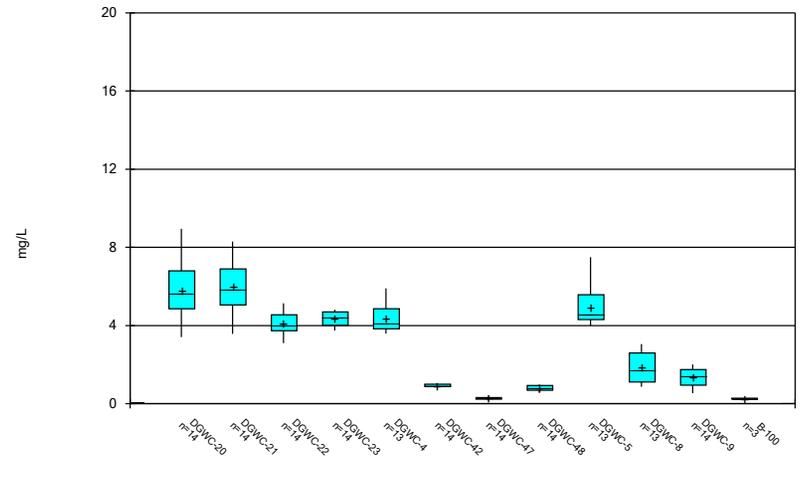
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



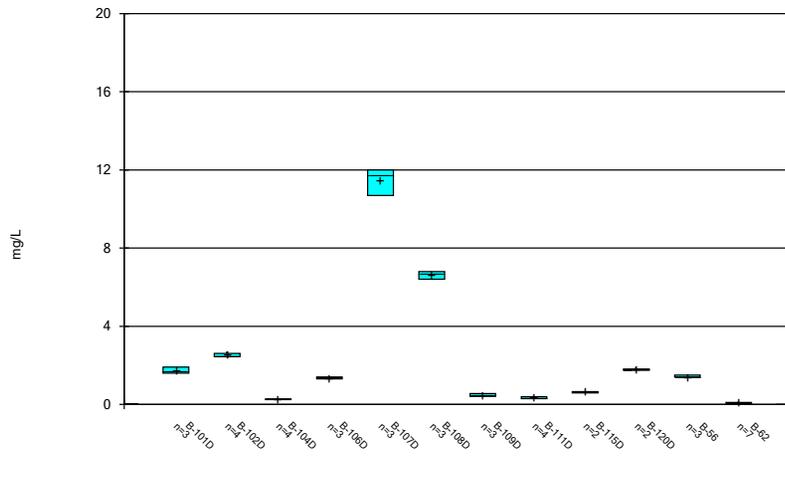
Constituent: Boron, total Analysis Run 11/8/2021 1:09 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



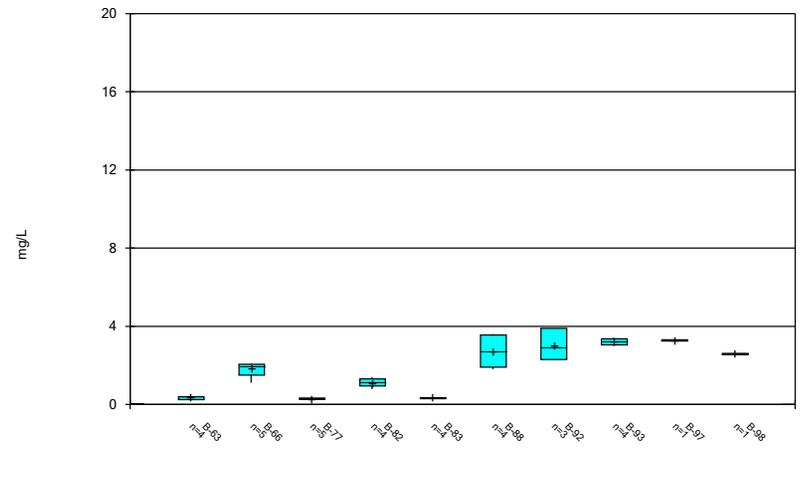
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Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



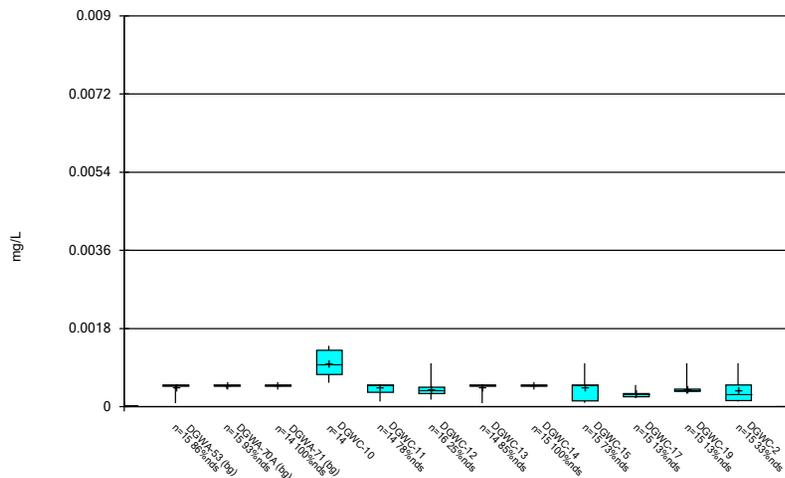
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Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



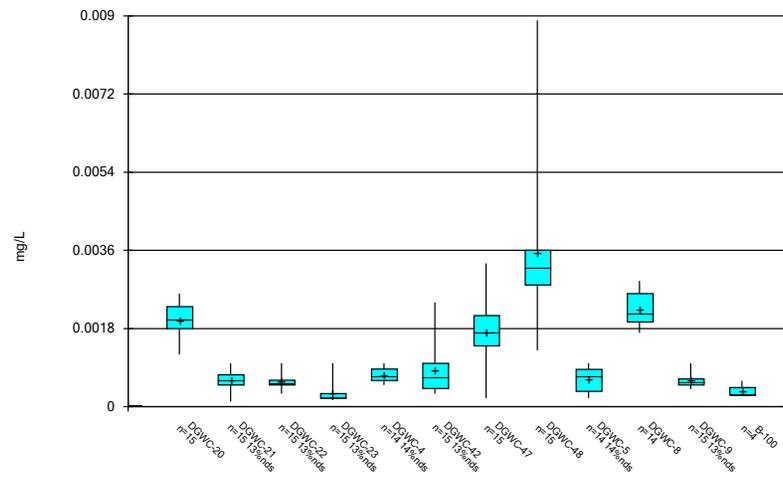
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Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



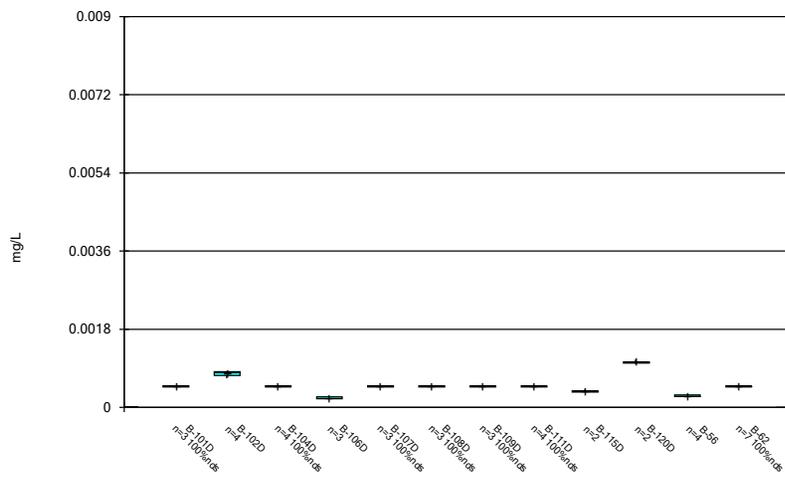
Constituent: Cadmium Analysis Run 11/8/2021 1:09 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



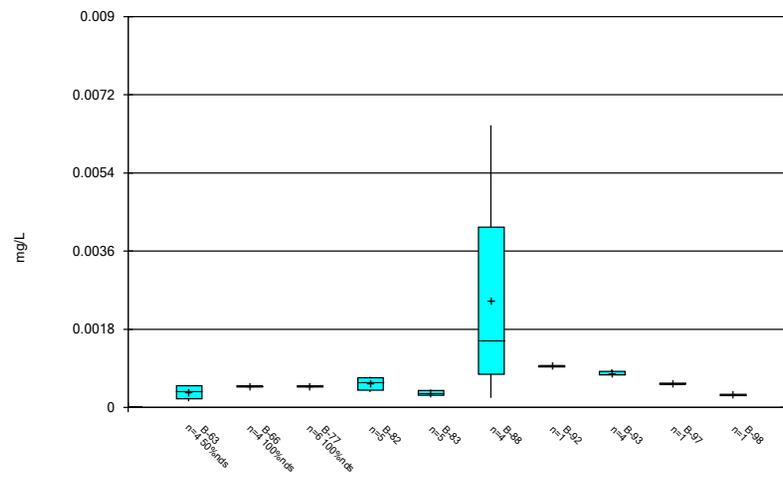
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



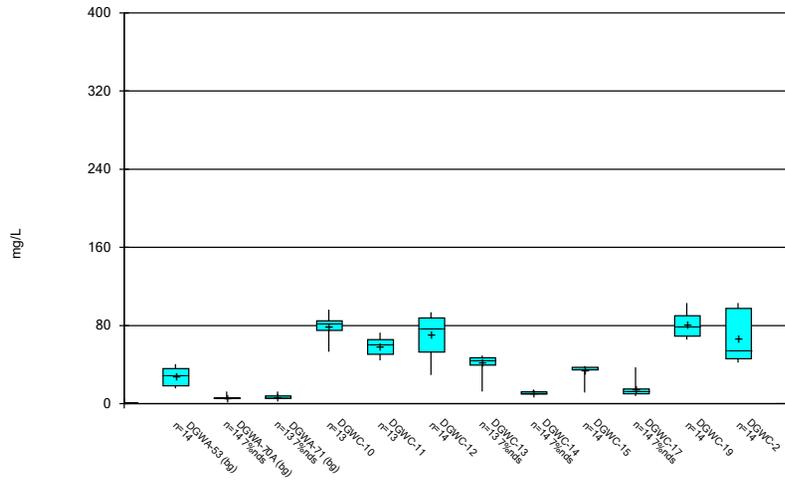
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



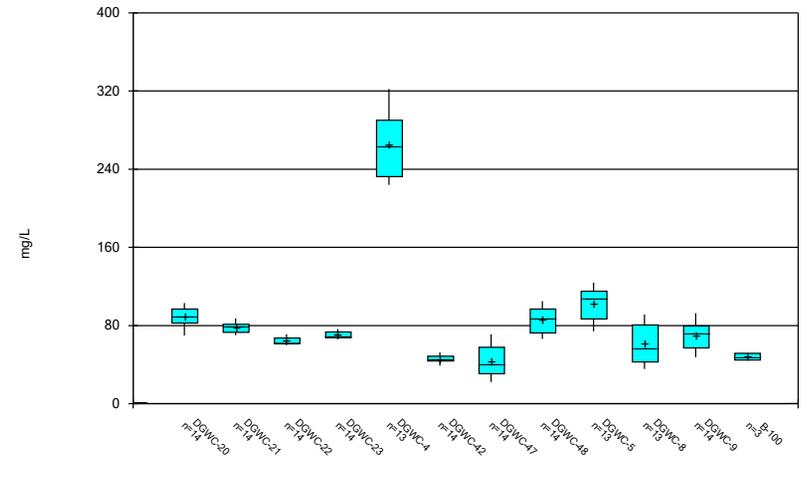
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



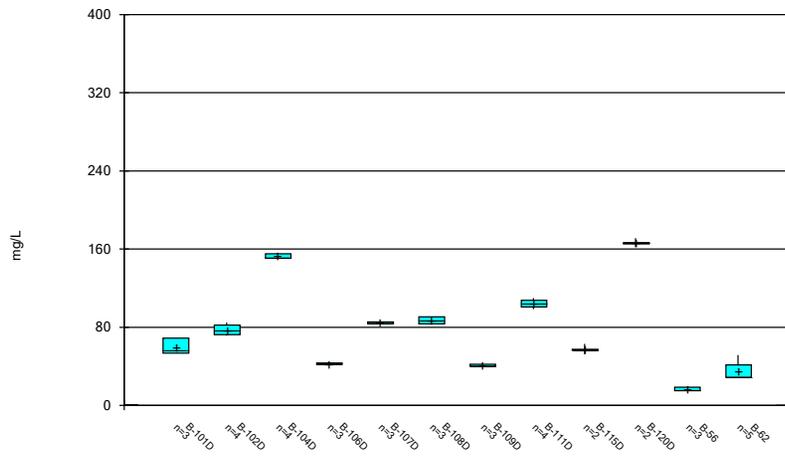
Constituent: Calcium, total Analysis Run 11/8/2021 1:09 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



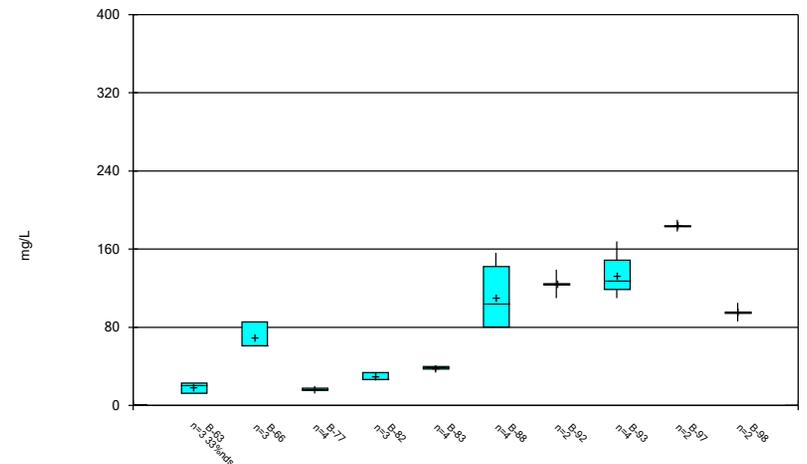
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Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



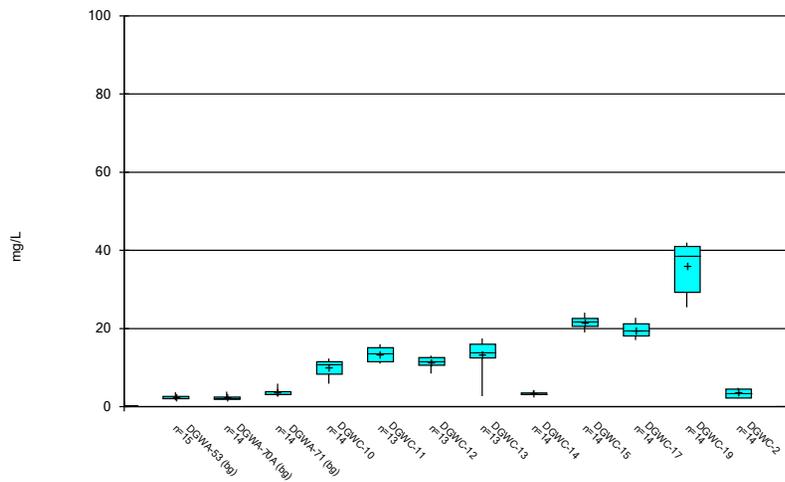
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Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



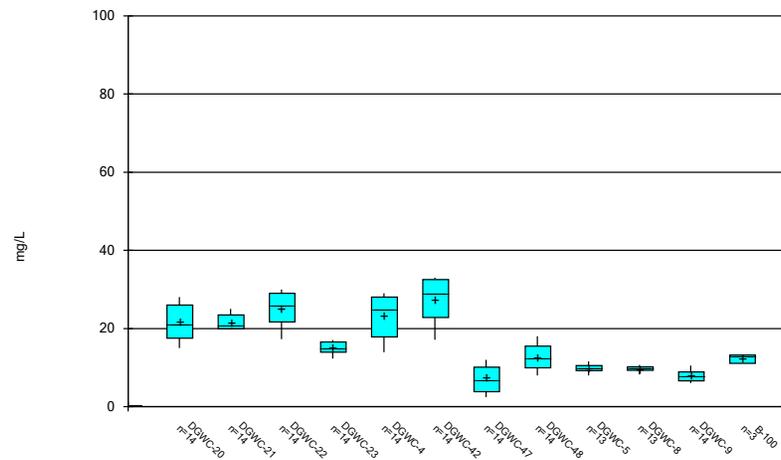
Constituent: Calcium, total Analysis Run 11/8/2021 1:09 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



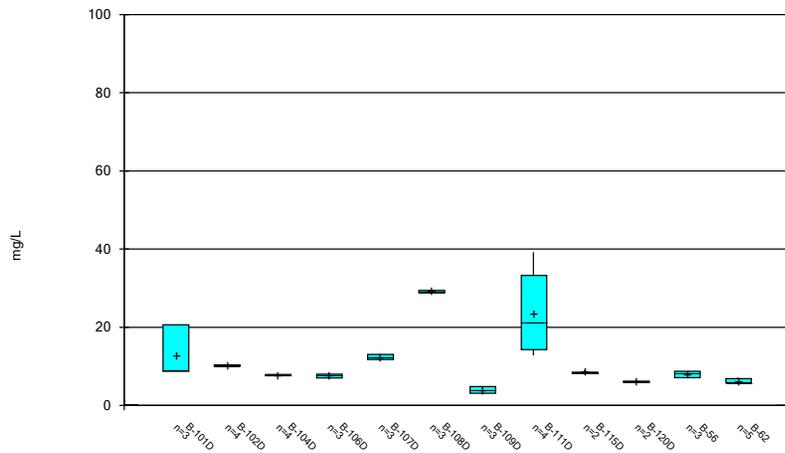
Constituent: Chloride, Total Analysis Run 11/8/2021 1:09 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



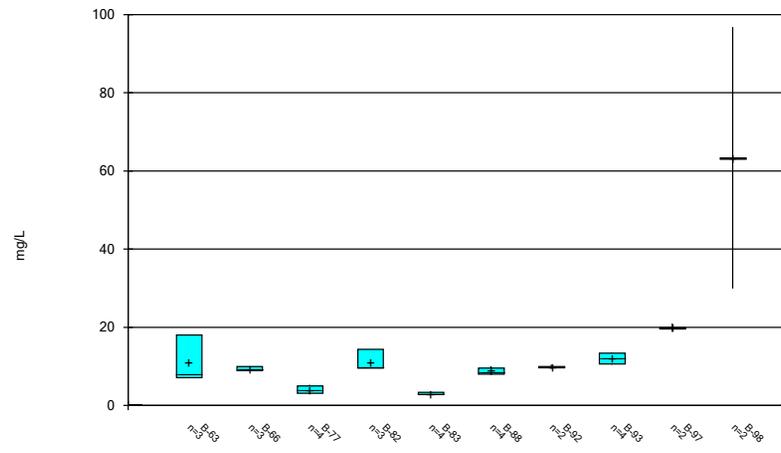
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



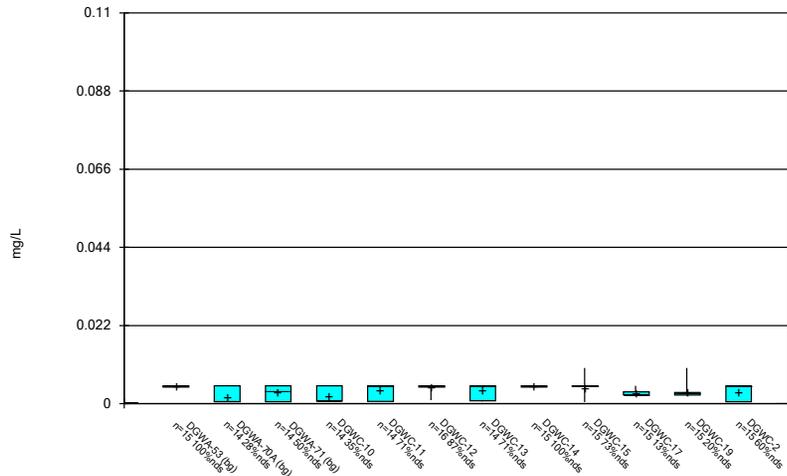
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



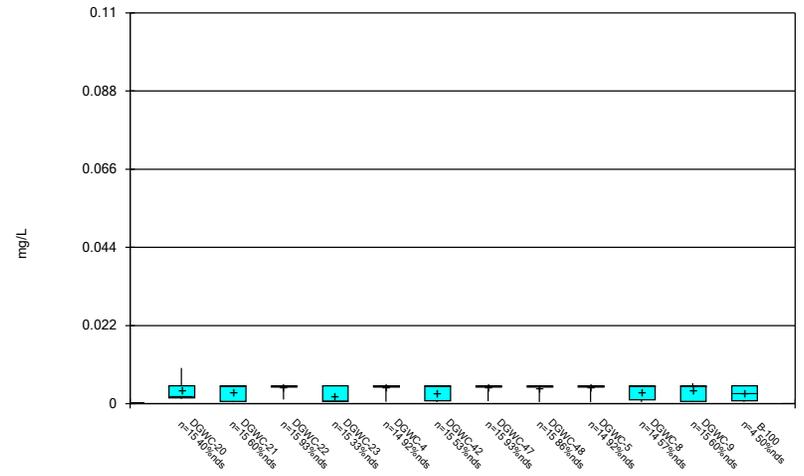
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



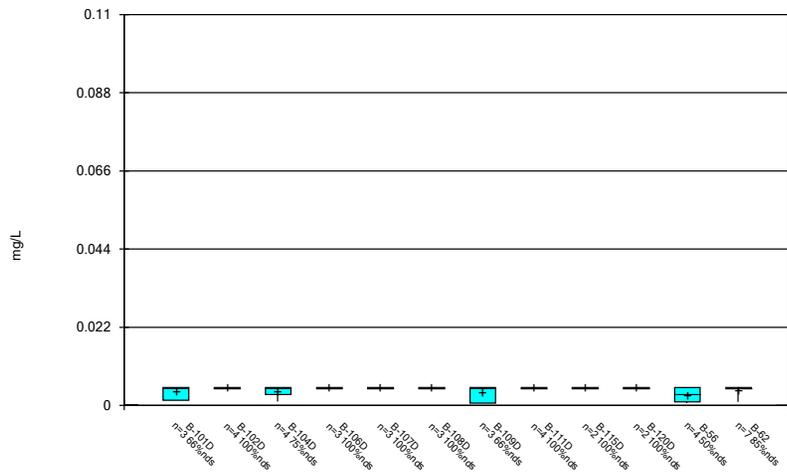
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



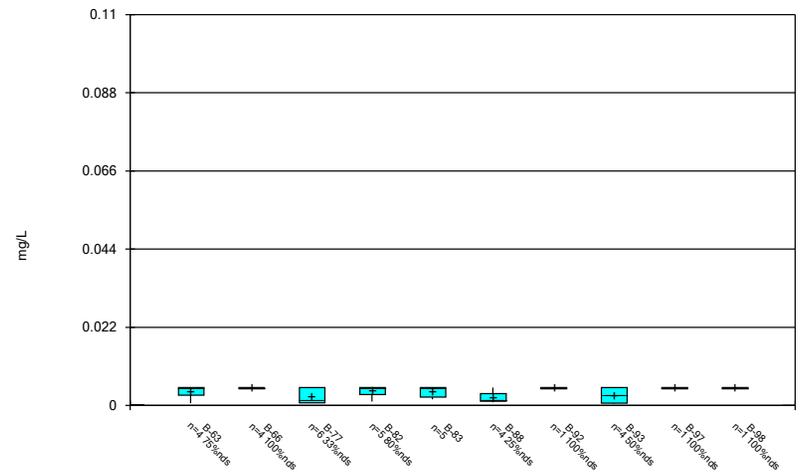
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



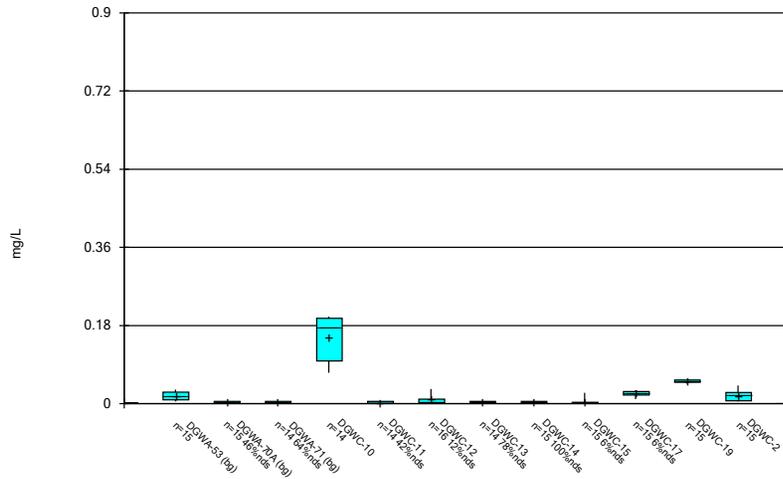
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



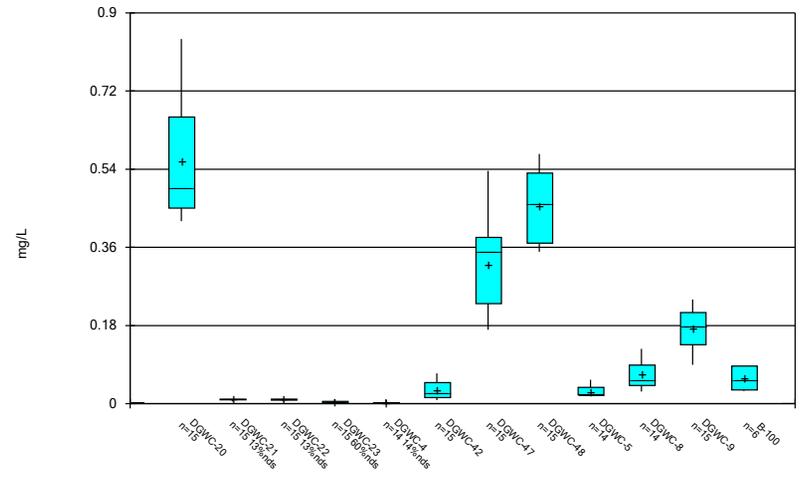
Constituent: Chromium Analysis Run 11/8/2021 1:09 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



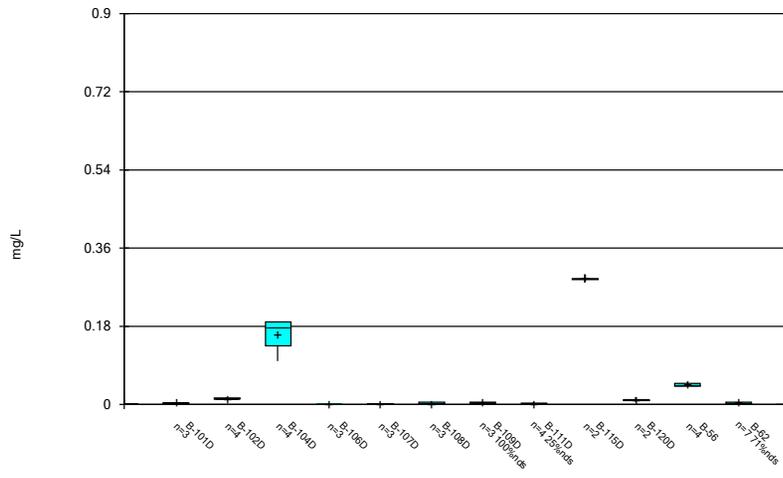
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Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



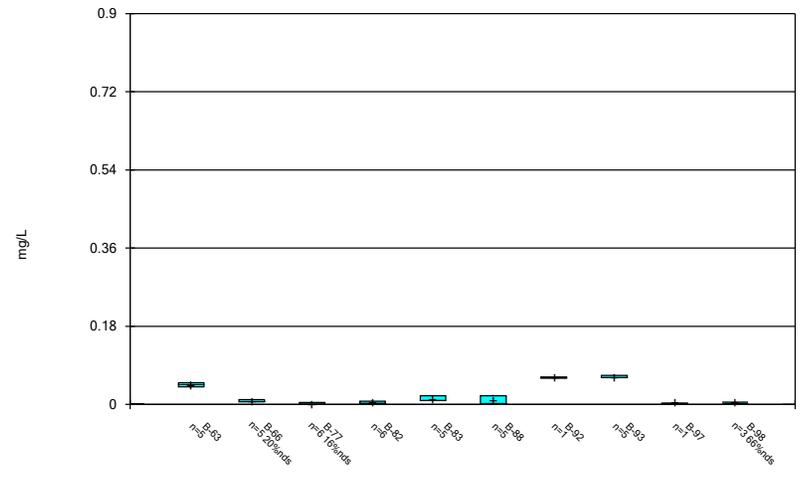
Constituent: Cobalt Analysis Run 11/8/2021 1:09 PM View: AP 234
Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



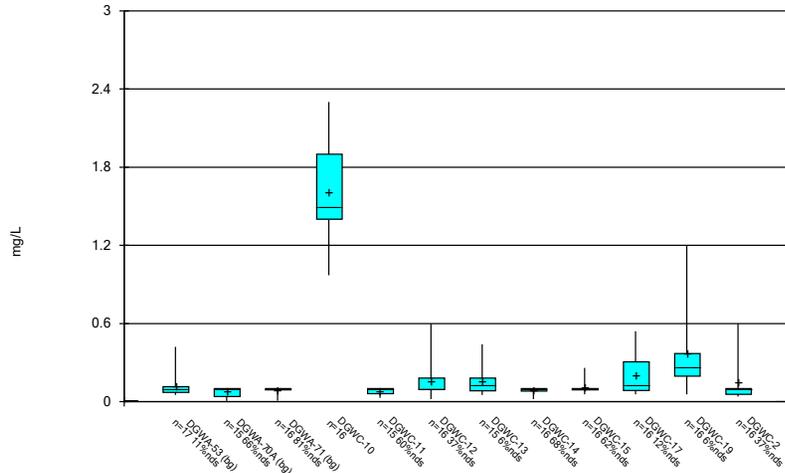
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Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



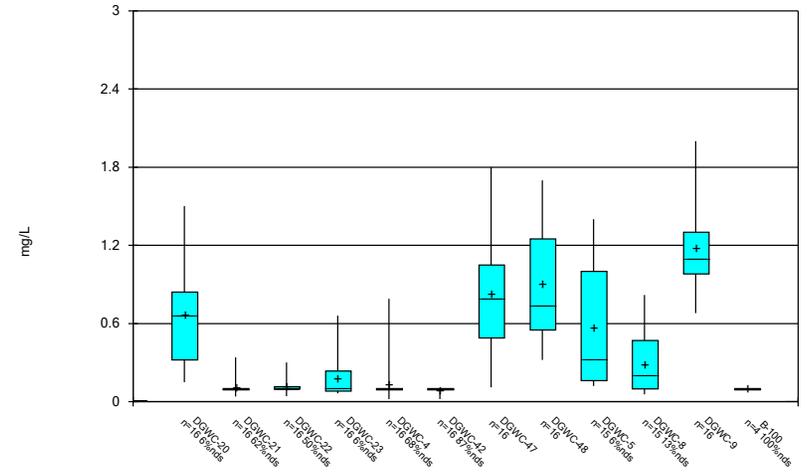
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Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



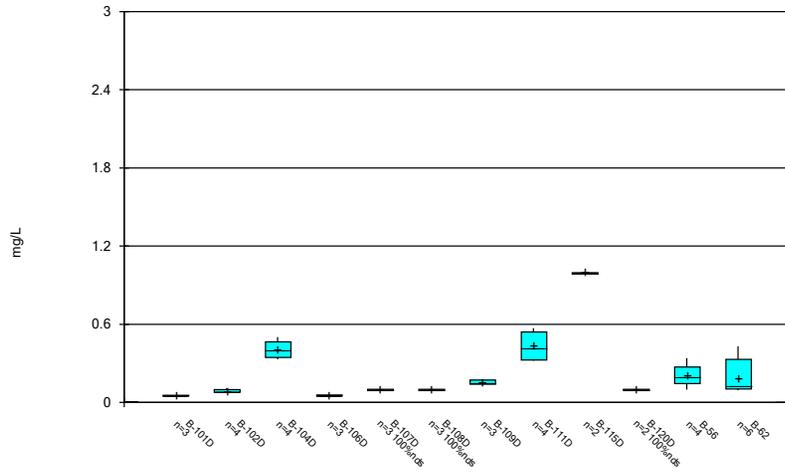
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



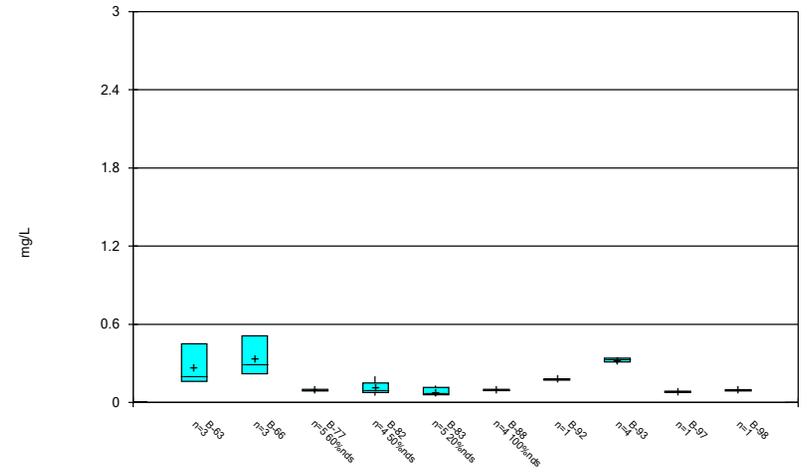
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



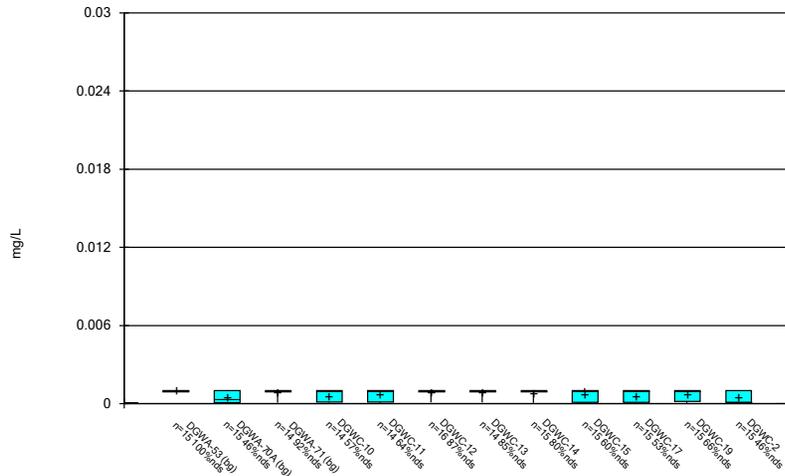
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



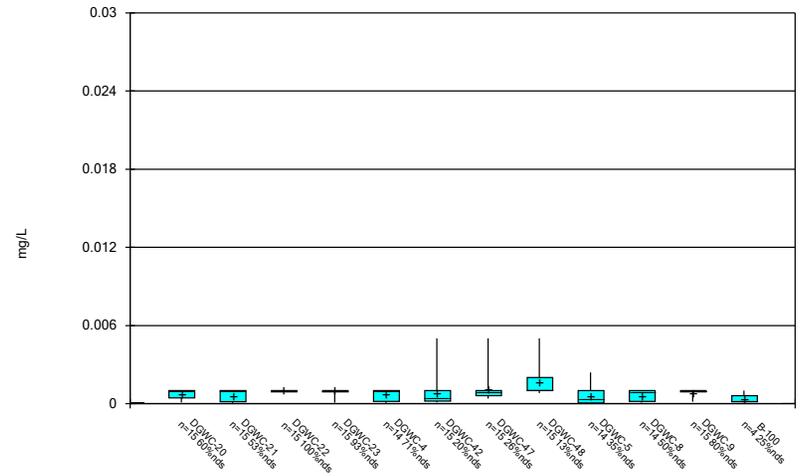
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



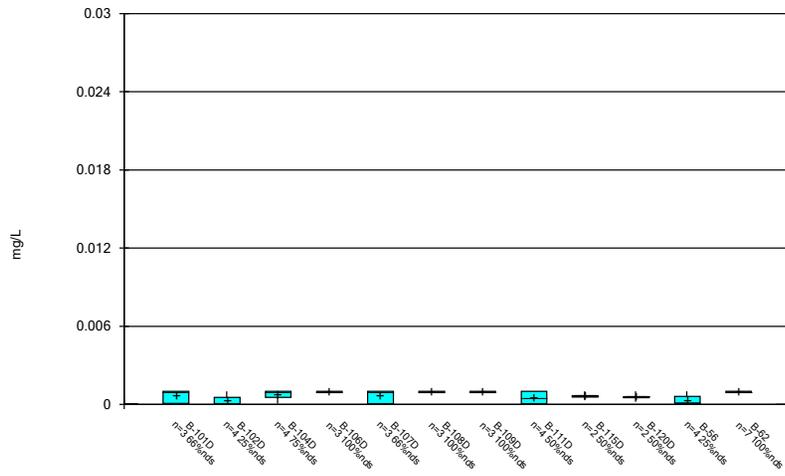
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



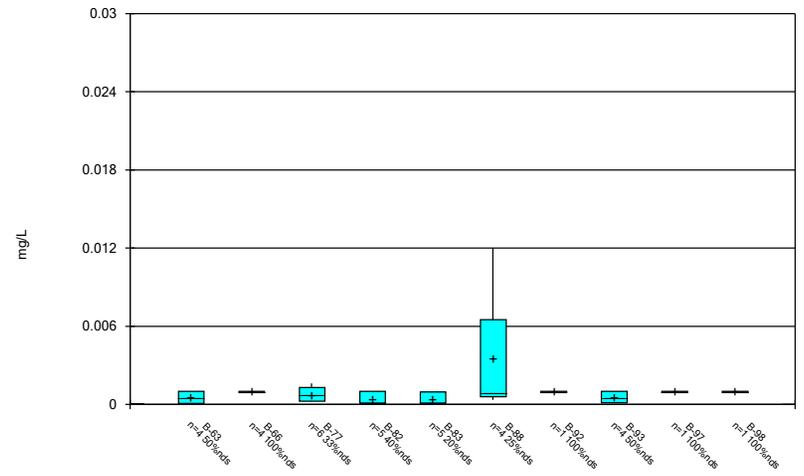
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



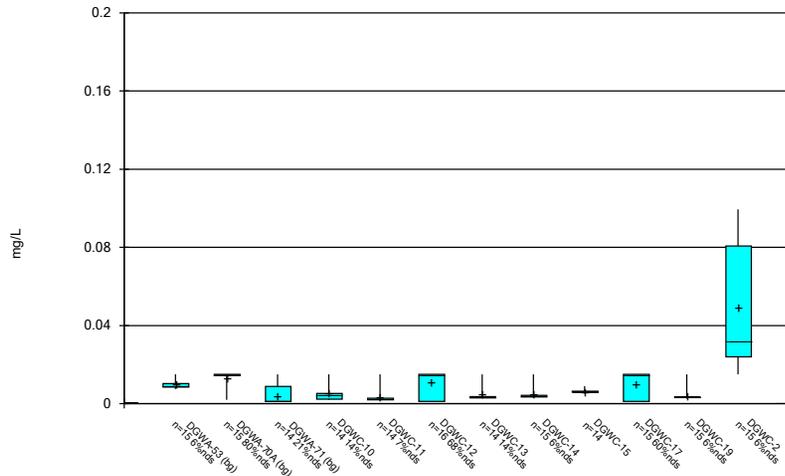
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



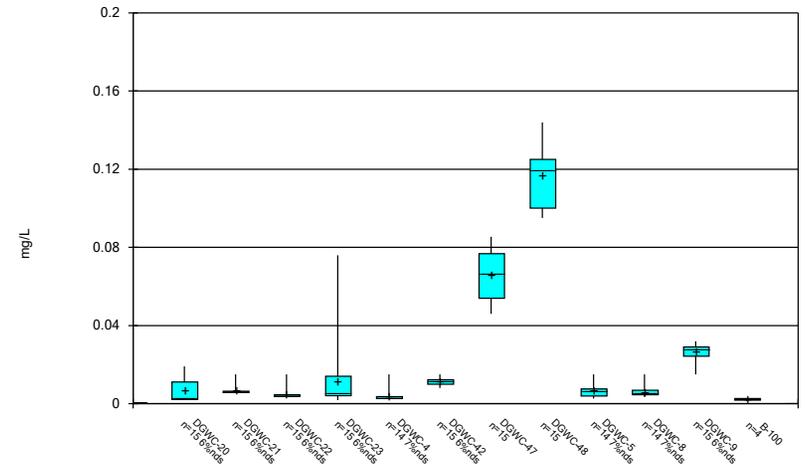
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Box & Whiskers Plot



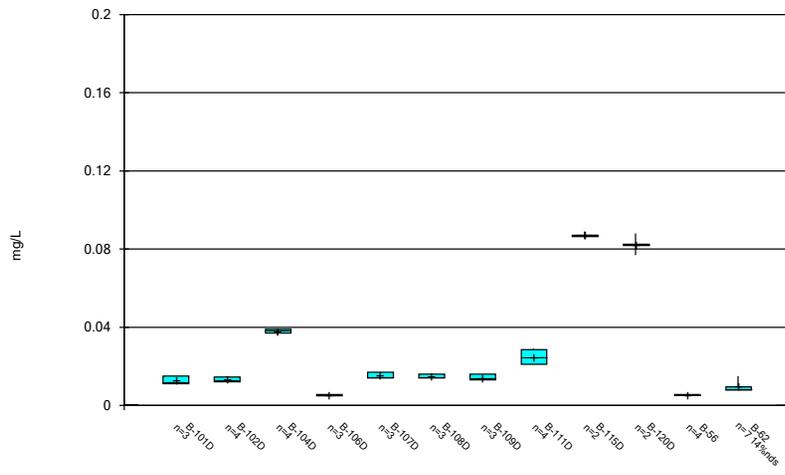
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Box & Whiskers Plot



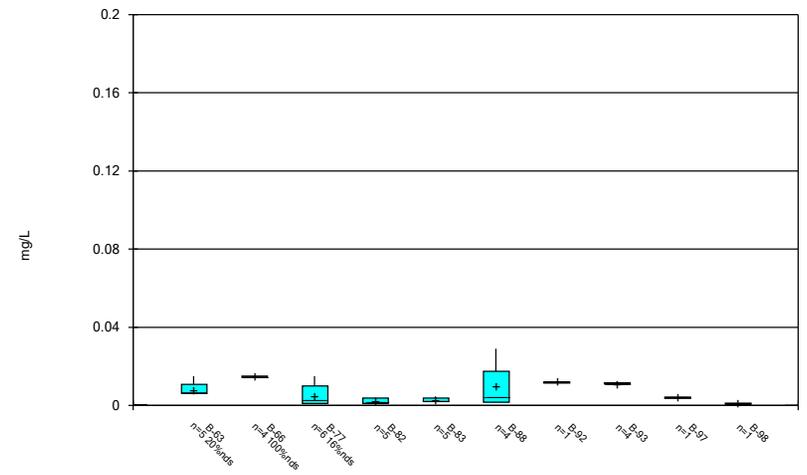
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



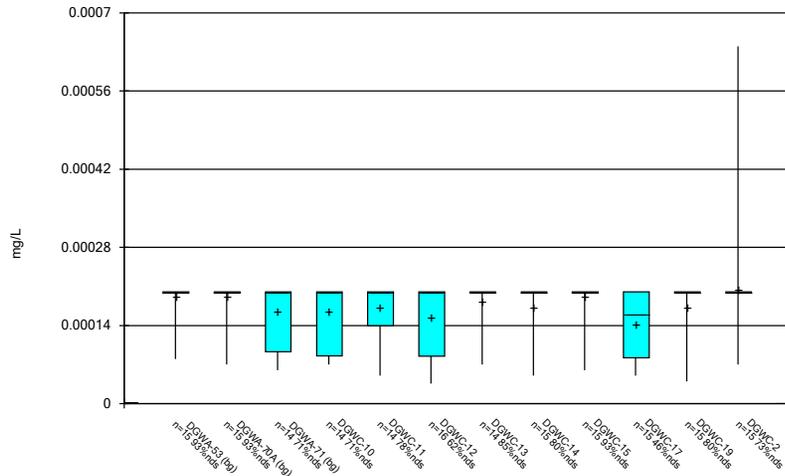
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



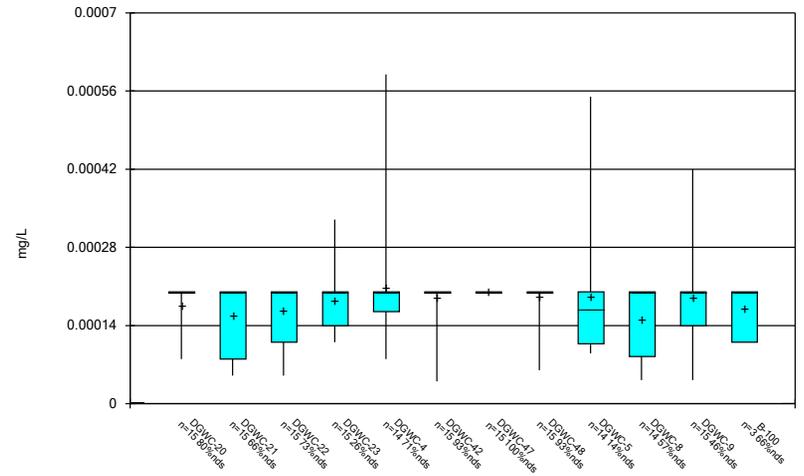
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



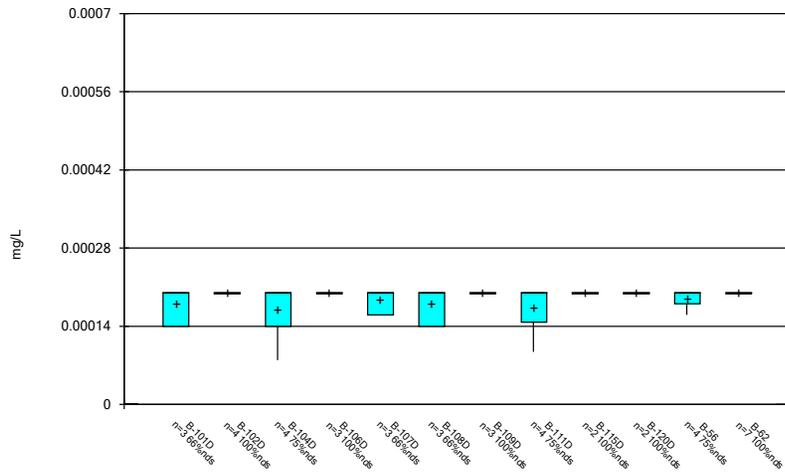
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



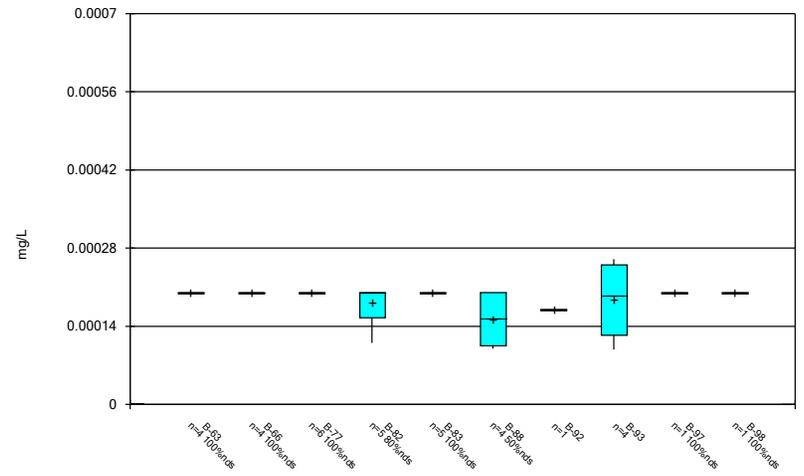
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Box & Whiskers Plot



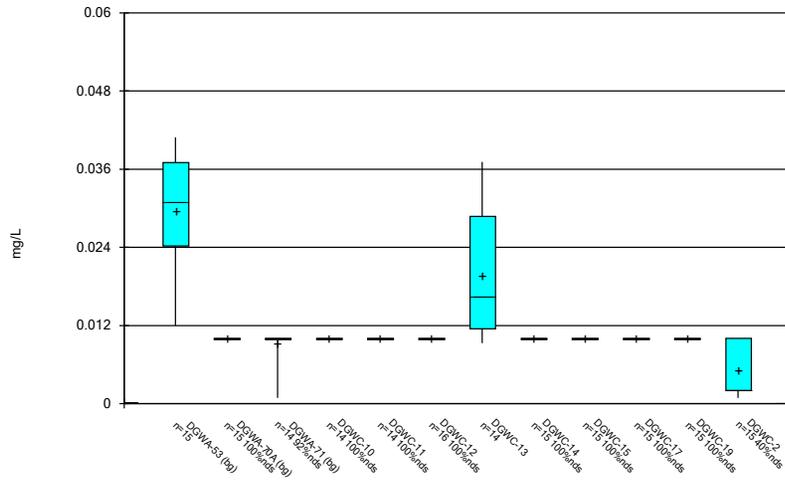
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



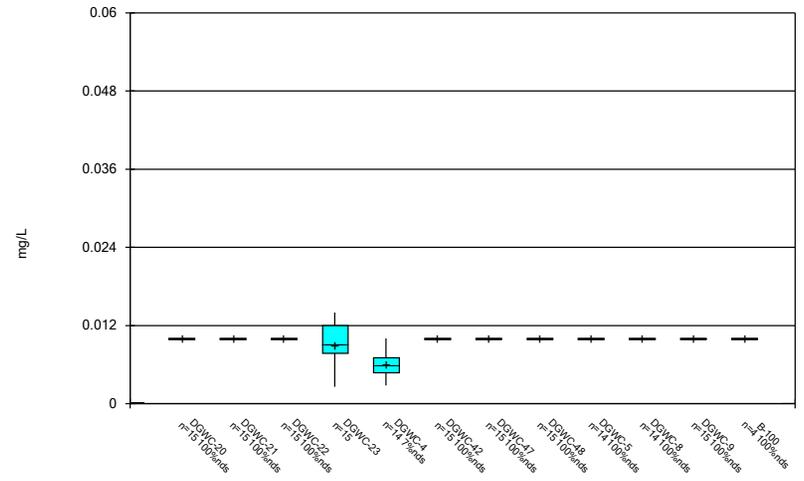
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



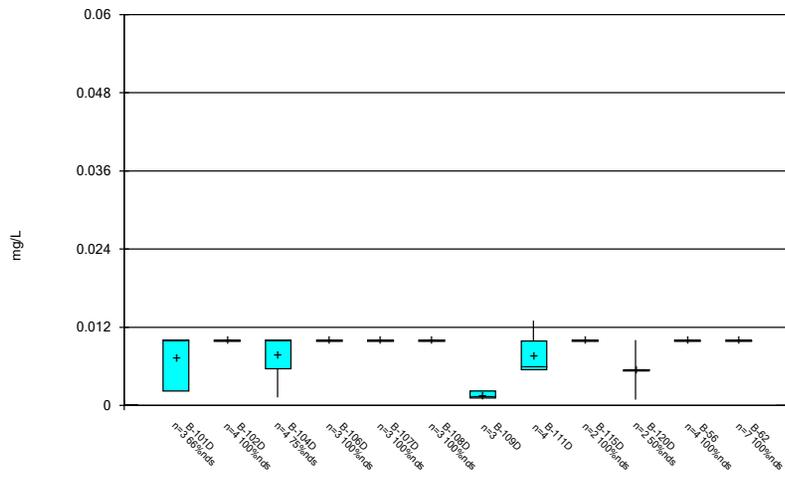
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



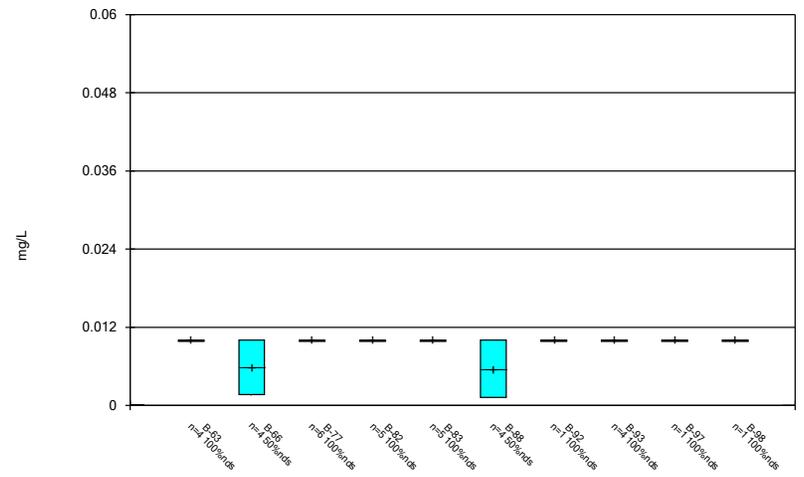
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



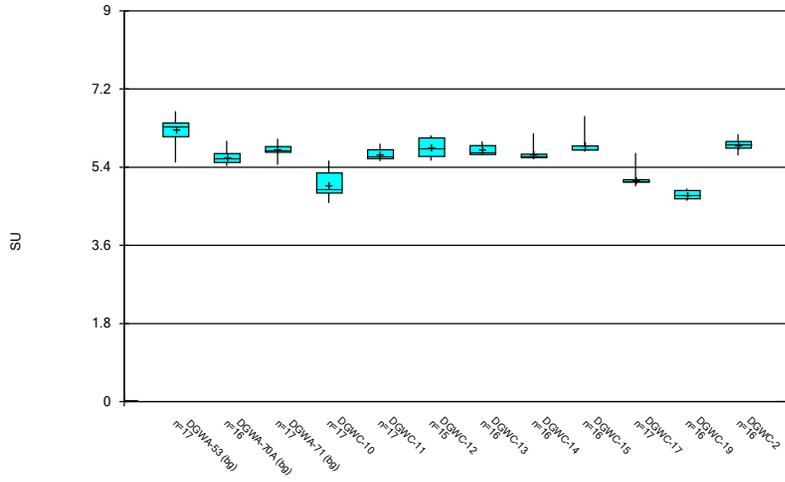
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



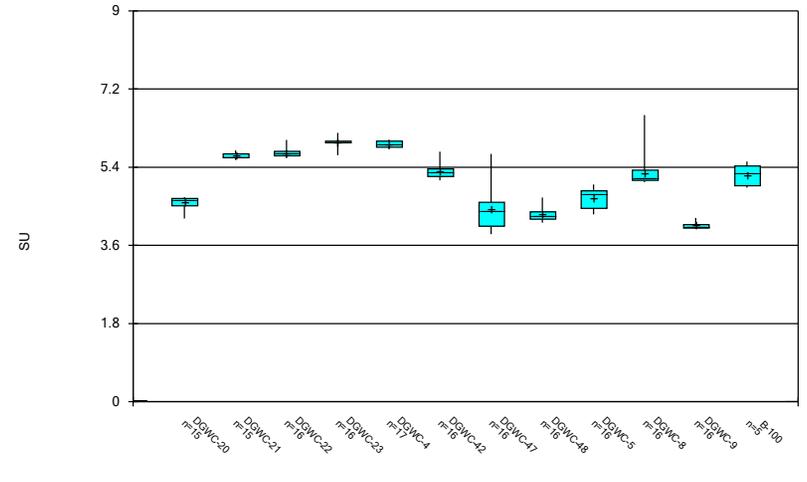
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



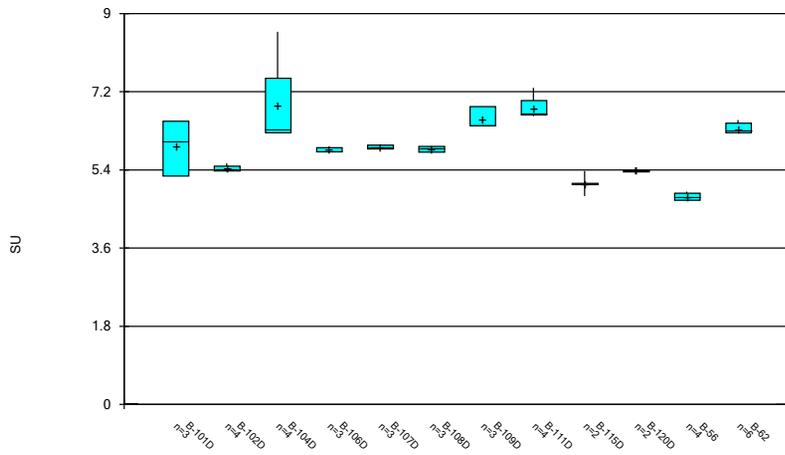
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



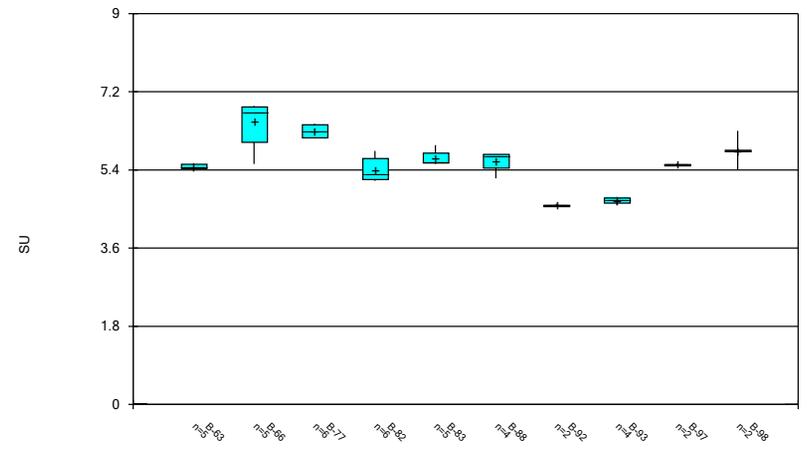
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Box & Whiskers Plot



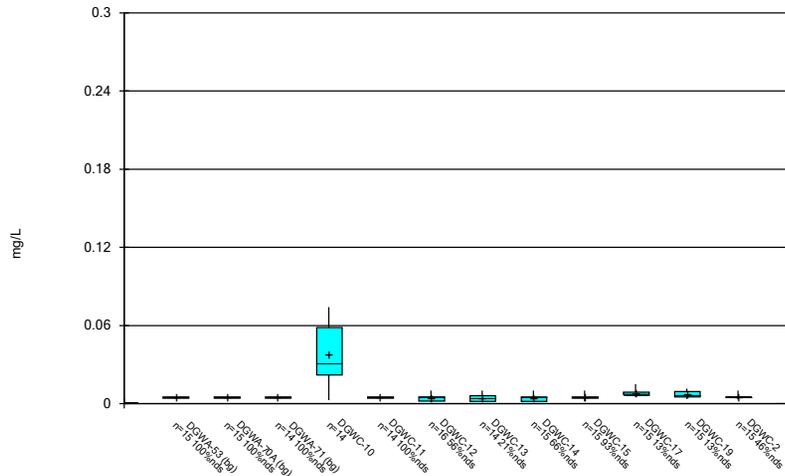
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



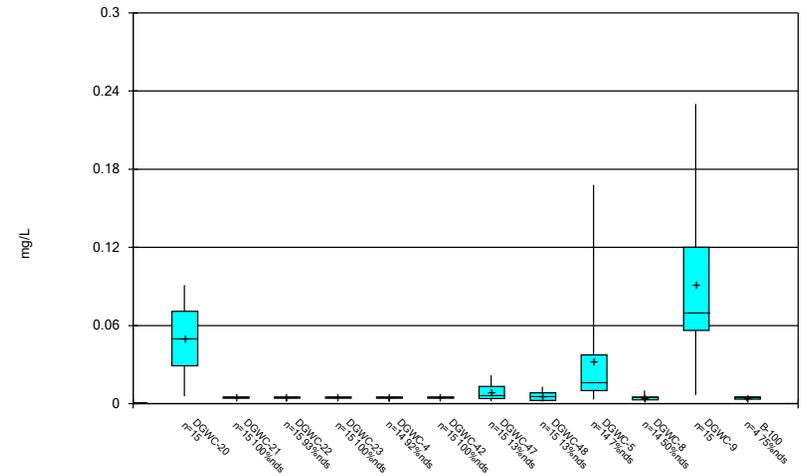
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



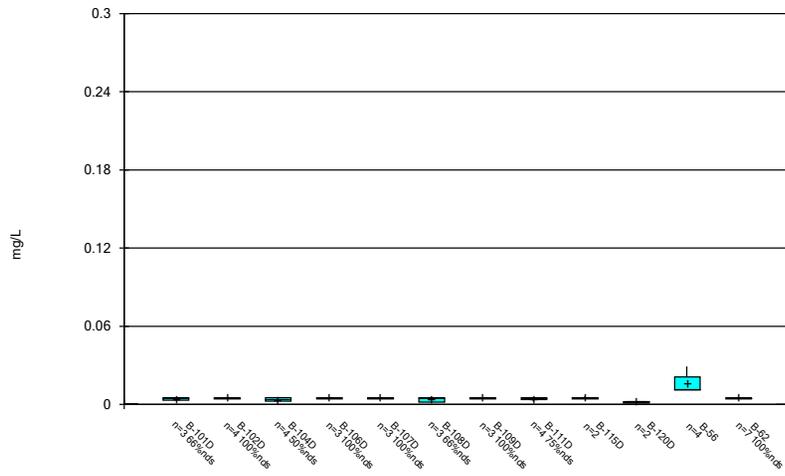
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Box & Whiskers Plot



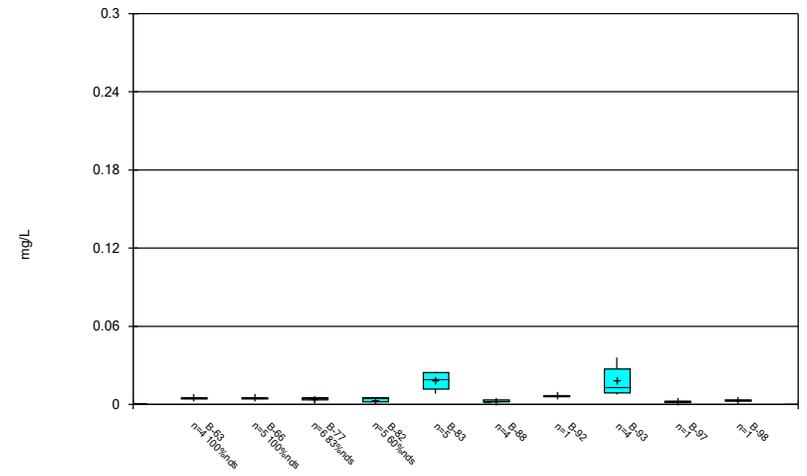
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Box & Whiskers Plot



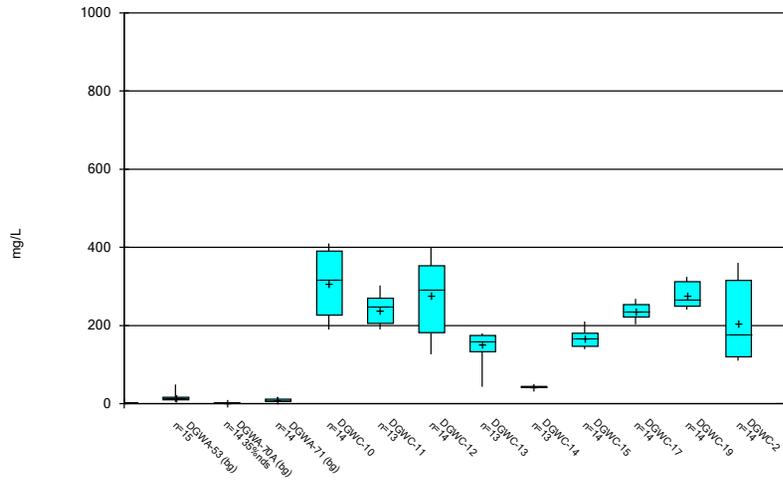
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



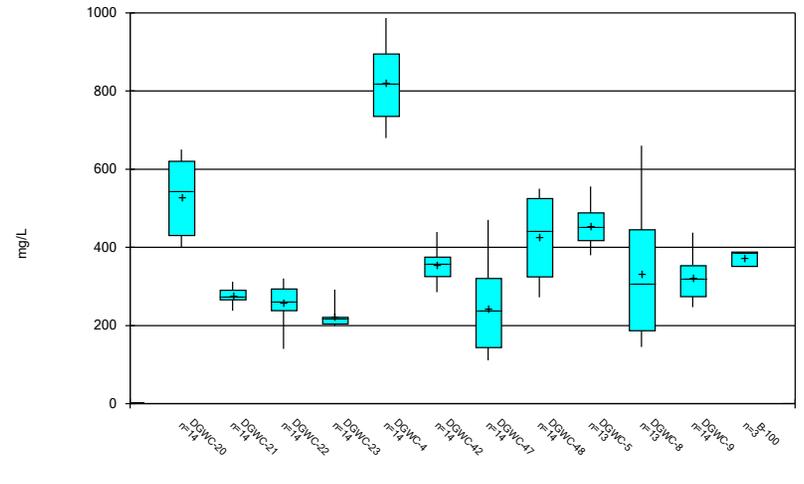
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Box & Whiskers Plot



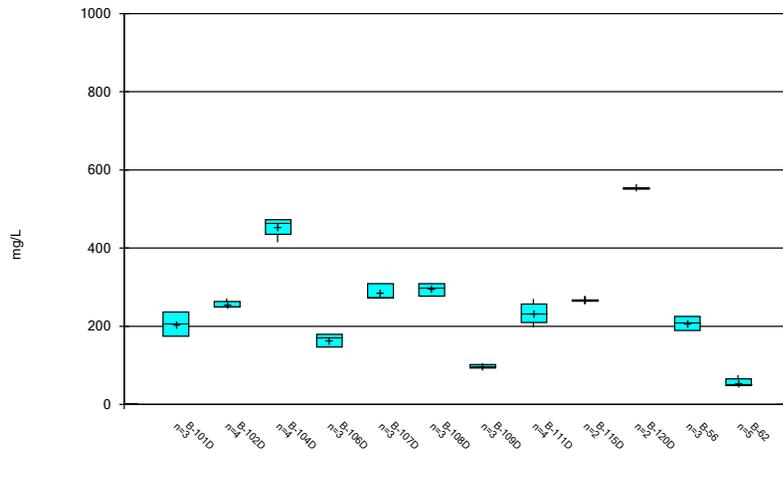
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Box & Whiskers Plot



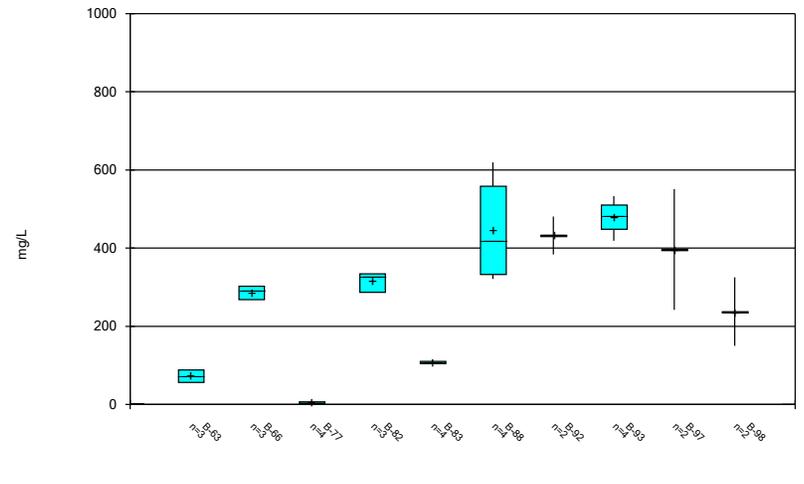
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Box & Whiskers Plot



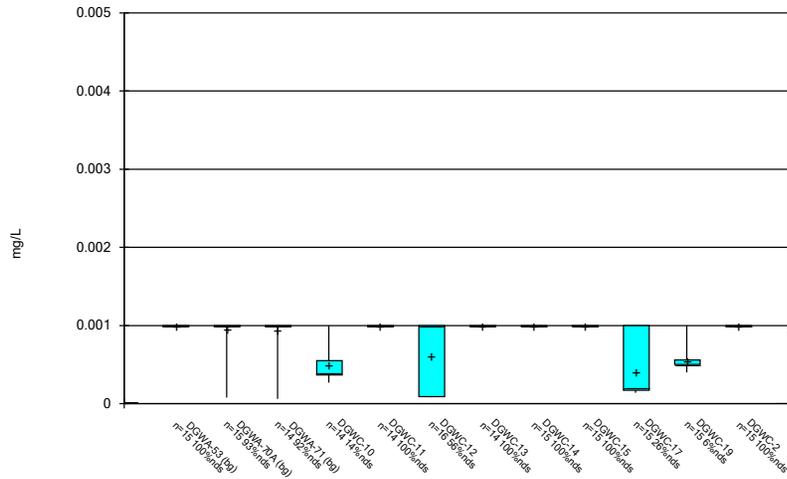
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Box & Whiskers Plot



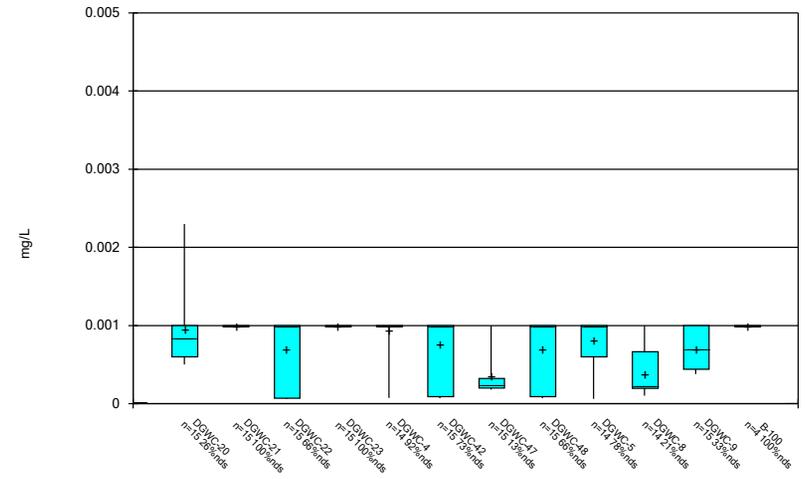
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



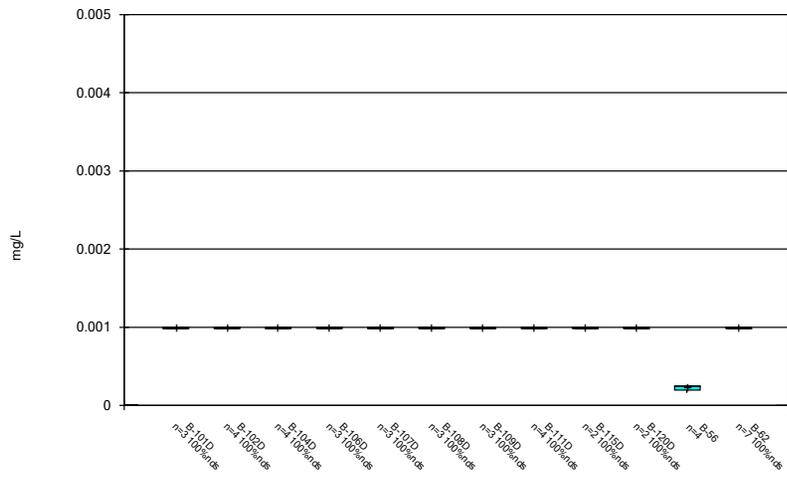
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



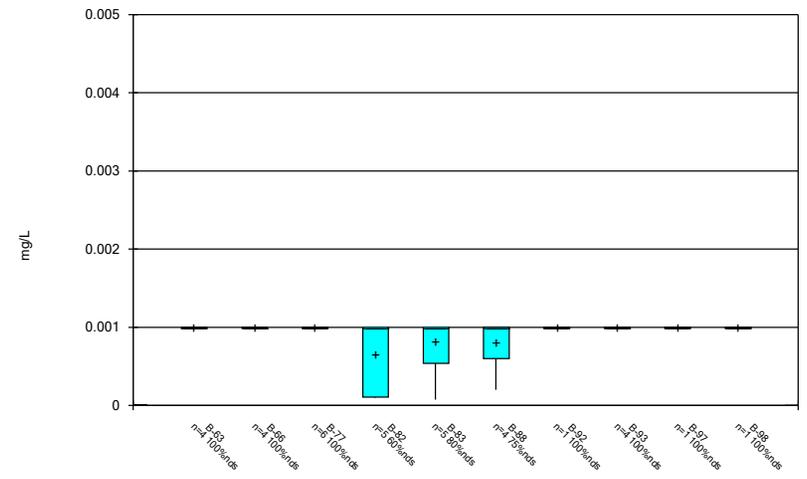
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



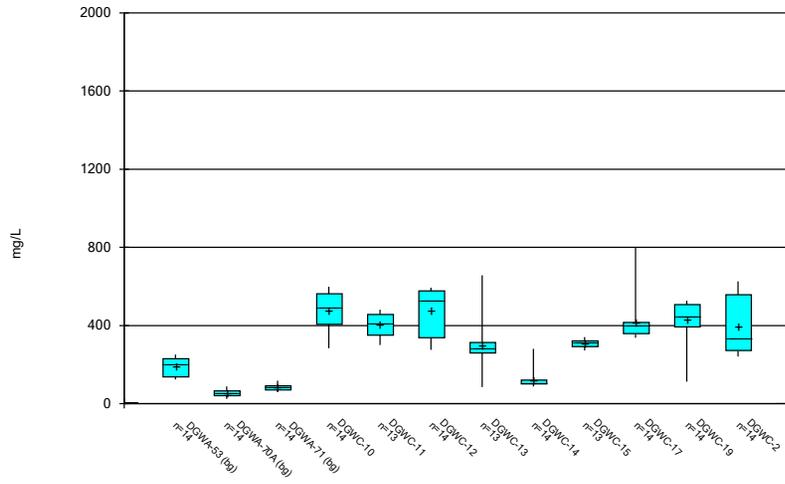
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Box & Whiskers Plot



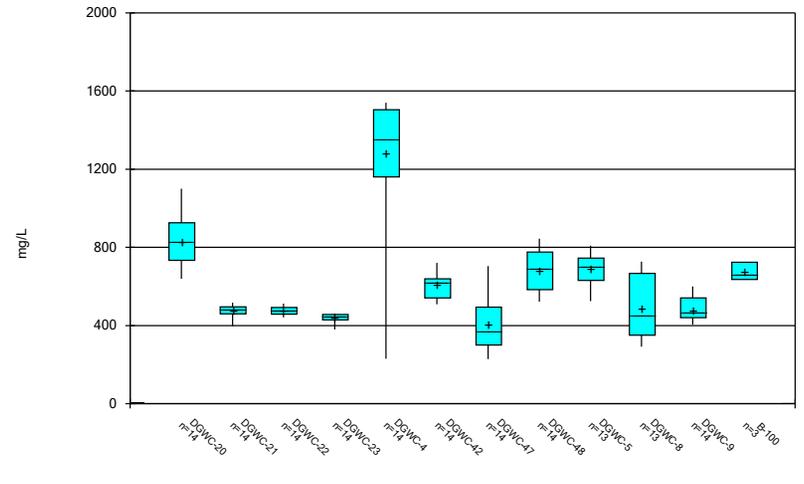
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



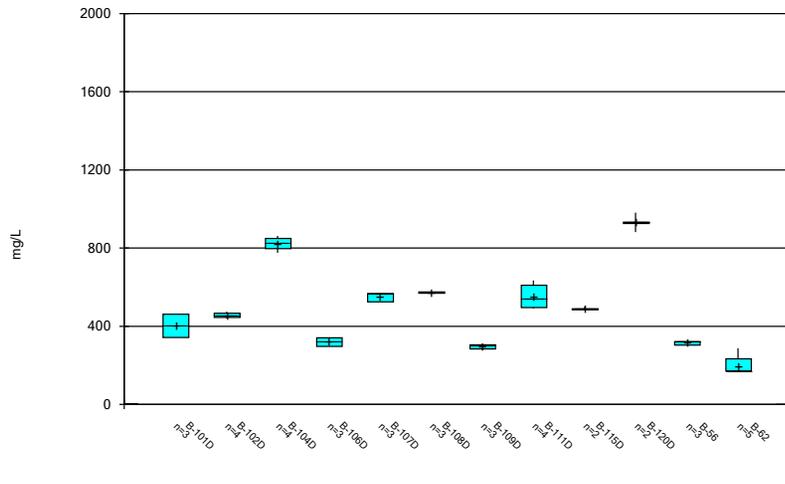
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



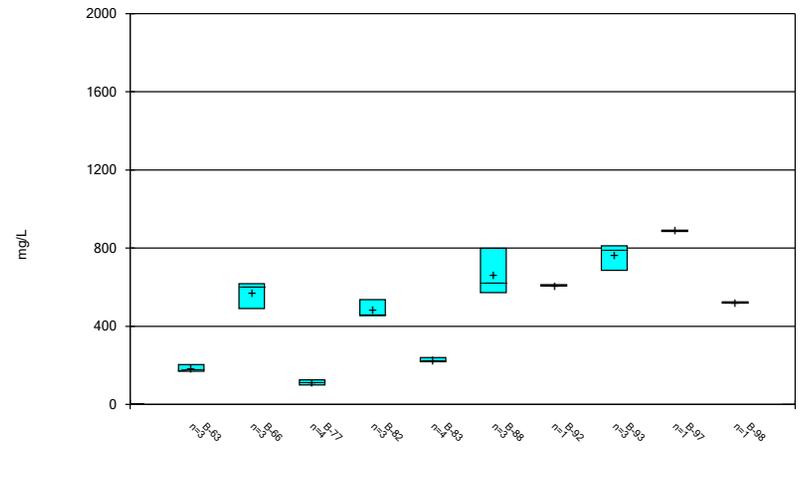
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 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



Constituent: Total Dissolved Solids [TDS] Analysis Run 11/8/2021 1:09 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

Box & Whiskers Plot



Constituent: Total Dissolved Solids [TDS] Analysis Run 11/8/2021 1:09 PM View: AP 234
 Plant McDonough Client: Southern Company Data: McDonough AP

FIGURE C.

Outlier Summary

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 1:13 PM

	DGWC-5 Barium (mg/L)	DGWC-12 Chloride, Total (mg/L)	DGWA-70A Chromium (mg/L)	DGWA-70A Fluoride, total (mg/L)	DGWC-15 Lithium (mg/L)	DGWC-14 Sulfate as SO4 (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 Client: Southern Company Data: McDonough AP Printed 11/8/2021, 1:20 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	DGWC-10	0.13	n/a	9/10/2021	0.24	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-11	0.13	n/a	9/9/2021	1.5	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-12	0.13	n/a	9/9/2021	2	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-13	0.13	n/a	9/9/2021	0.62	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-15	0.13	n/a	9/9/2021	1.6	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-17	0.13	n/a	9/13/2021	0.78	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-19	0.13	n/a	9/9/2021	2.7	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-2	0.13	n/a	9/9/2021	0.51	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-20	0.13	n/a	9/10/2021	4.8	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-21	0.13	n/a	9/9/2021	5.8	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-22	0.13	n/a	9/10/2021	4.5	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-23	0.13	n/a	9/9/2021	4.7	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-4	0.13	n/a	9/10/2021	5	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-42	0.13	n/a	9/13/2021	0.95	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-47	0.13	n/a	9/10/2021	0.16	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-48	0.13	n/a	9/10/2021	0.55	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-5	0.13	n/a	9/10/2021	4.7	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-8	0.13	n/a	9/13/2021	0.86	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-9	0.13	n/a	9/10/2021	0.54	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-10	40.3	n/a	9/10/2021	82.4	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-11	40.3	n/a	9/9/2021	66.8	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-19	40.3	n/a	9/9/2021	93.6	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-2	40.3	n/a	9/9/2021	42	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-20	40.3	n/a	9/10/2021	69.8	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-21	40.3	n/a	9/9/2021	75.3	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-22	40.3	n/a	9/10/2021	62.3	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-23	40.3	n/a	9/9/2021	76.4	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-4	40.3	n/a	9/10/2021	285	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-48	40.3	n/a	9/10/2021	68.7	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-5	40.3	n/a	9/10/2021	123	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-9	40.3	n/a	9/10/2021	47.7	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	DGWC-10	5.07	n/a	9/10/2021	8.2	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-11	5.07	n/a	9/9/2021	13.6	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-12	5.07	n/a	9/9/2021	8.5	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-13	5.07	n/a	9/9/2021	12.9	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-15	5.07	n/a	9/9/2021	21.9	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-17	5.07	n/a	9/13/2021	18.2	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-19	5.07	n/a	9/9/2021	25.4	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-20	5.07	n/a	9/10/2021	26.2	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-21	5.07	n/a	9/9/2021	20.2	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-22	5.07	n/a	9/10/2021	17.3	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-23	5.07	n/a	9/9/2021	12.3	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-4	5.07	n/a	9/10/2021	13.9	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-42	5.07	n/a	9/13/2021	17.1	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-48	5.07	n/a	9/10/2021	10.9	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-5	5.07	n/a	9/10/2021	9.9	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-8	5.07	n/a	9/13/2021	8.2	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-9	5.07	n/a	9/10/2021	9	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Fluoride, total (mg/L)	DGWC-10	0.42	n/a	9/10/2021	2.2	Yes	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-48	0.42	n/a	9/10/2021	0.47	Yes	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-9	0.42	n/a	9/10/2021	2	Yes	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
pH, Field (SU)	DGWC-10	6.646	5.155	9/10/2021	5.05	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-17	6.646	5.155	9/13/2021	5.06	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-19	6.646	5.155	9/9/2021	4.82	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2

Appendix III Interwell Prediction Limits - Significant Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 1:20 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH, Field (SU)	DGWC-20	6.646	5.155	9/10/2021	4.67	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-42	6.646	5.155	9/13/2021	5.15	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-47	6.646	5.155	9/10/2021	4.1	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-48	6.646	5.155	9/10/2021	4.3	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-5	6.646	5.155	9/10/2021	4.89	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-8	6.646	5.155	9/13/2021	5.05	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-9	6.646	5.155	9/10/2021	3.98	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-10	33.32	n/a	9/10/2021	271	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-11	33.32	n/a	9/9/2021	247	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-12	33.32	n/a	9/9/2021	126	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-13	33.32	n/a	9/9/2021	127	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-14	33.32	n/a	9/9/2021	42.3	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-15	33.32	n/a	9/9/2021	139	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-17	33.32	n/a	9/13/2021	222	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-19	33.32	n/a	9/9/2021	315	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-2	33.32	n/a	9/9/2021	110	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-20	33.32	n/a	9/10/2021	399	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-21	33.32	n/a	9/9/2021	238	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-22	33.32	n/a	9/10/2021	234	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-23	33.32	n/a	9/9/2021	217	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-4	33.32	n/a	9/10/2021	823	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-42	33.32	n/a	9/13/2021	285	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-47	33.32	n/a	9/10/2021	123	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-48	33.32	n/a	9/10/2021	272	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-5	33.32	n/a	9/10/2021	449	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-8	33.32	n/a	9/13/2021	145	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-9	33.32	n/a	9/10/2021	264	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-10	299.2	n/a	9/10/2021	474	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-11	299.2	n/a	9/9/2021	433	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-17	299.2	n/a	9/13/2021	424	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-19	299.2	n/a	9/9/2021	480	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-20	299.2	n/a	9/10/2021	678	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-21	299.2	n/a	9/9/2021	396	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-22	299.2	n/a	9/10/2021	468	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-23	299.2	n/a	9/9/2021	455	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-4	299.2	n/a	9/10/2021	1520	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-42	299.2	n/a	9/13/2021	508	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-48	299.2	n/a	9/10/2021	532	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-5	299.2	n/a	9/10/2021	792	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-8	299.2	n/a	9/13/2021	306	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-9	299.2	n/a	9/10/2021	466	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 1:20 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	DGWC-10	0.13	n/a	9/10/2021	0.24	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-11	0.13	n/a	9/9/2021	1.5	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-12	0.13	n/a	9/9/2021	2	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-13	0.13	n/a	9/9/2021	0.62	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-14	0.13	n/a	9/9/2021	0.08	No	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-15	0.13	n/a	9/9/2021	1.6	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-17	0.13	n/a	9/13/2021	0.78	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-19	0.13	n/a	9/9/2021	2.7	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-2	0.13	n/a	9/9/2021	0.51	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-20	0.13	n/a	9/10/2021	4.8	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-21	0.13	n/a	9/9/2021	5.8	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-22	0.13	n/a	9/10/2021	4.5	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-23	0.13	n/a	9/9/2021	4.7	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-4	0.13	n/a	9/10/2021	5	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-42	0.13	n/a	9/13/2021	0.95	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-47	0.13	n/a	9/10/2021	0.16	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-48	0.13	n/a	9/10/2021	0.55	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-5	0.13	n/a	9/10/2021	4.7	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-8	0.13	n/a	9/13/2021	0.86	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Boron, total (mg/L)	DGWC-9	0.13	n/a	9/10/2021	0.54	Yes	41	n/a	n/a	26.83	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-10	40.3	n/a	9/10/2021	82.4	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-11	40.3	n/a	9/9/2021	66.8	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-12	40.3	n/a	9/9/2021	29.2	No	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-13	40.3	n/a	9/9/2021	38.2	No	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-14	40.3	n/a	9/9/2021	11.1	No	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-15	40.3	n/a	9/9/2021	34.4	No	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-17	40.3	n/a	9/13/2021	15.8	No	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-19	40.3	n/a	9/9/2021	93.6	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-2	40.3	n/a	9/9/2021	42	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-20	40.3	n/a	9/10/2021	69.8	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-21	40.3	n/a	9/9/2021	75.3	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-22	40.3	n/a	9/10/2021	62.3	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-23	40.3	n/a	9/9/2021	76.4	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-4	40.3	n/a	9/10/2021	285	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-42	40.3	n/a	9/13/2021	38.9	No	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-47	40.3	n/a	9/10/2021	24.4	No	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-48	40.3	n/a	9/10/2021	68.7	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-5	40.3	n/a	9/10/2021	123	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-8	40.3	n/a	9/13/2021	36	No	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	DGWC-9	40.3	n/a	9/10/2021	47.7	Yes	41	n/a	n/a	4.878	n/a	n/a	0.001025	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	DGWC-10	5.07	n/a	9/10/2021	8.2	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-11	5.07	n/a	9/9/2021	13.6	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-12	5.07	n/a	9/9/2021	8.5	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-13	5.07	n/a	9/9/2021	12.9	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-14	5.07	n/a	9/9/2021	3.3	No	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-15	5.07	n/a	9/9/2021	21.9	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-17	5.07	n/a	9/13/2021	18.2	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-19	5.07	n/a	9/9/2021	25.4	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-2	5.07	n/a	9/9/2021	2.1	No	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-20	5.07	n/a	9/10/2021	26.2	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-21	5.07	n/a	9/9/2021	20.2	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-22	5.07	n/a	9/10/2021	17.3	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-23	5.07	n/a	9/9/2021	12.3	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-4	5.07	n/a	9/10/2021	13.9	Yes	43	0.9633	0.2952	0	None	ln(x)	0.0003762	Param Inter 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 1:20 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride, Total (mg/L)	DGWC-42	5.07	n/a	9/13/2021	17.1	Yes	43	0.9633	0.2952	0	None	In(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-47	5.07	n/a	9/10/2021	2.4	No	43	0.9633	0.2952	0	None	In(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-48	5.07	n/a	9/10/2021	10.9	Yes	43	0.9633	0.2952	0	None	In(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-5	5.07	n/a	9/10/2021	9.9	Yes	43	0.9633	0.2952	0	None	In(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-8	5.07	n/a	9/13/2021	8.2	Yes	43	0.9633	0.2952	0	None	In(x)	0.0003762	Param Inter 1 of 2
Chloride, Total (mg/L)	DGWC-9	5.07	n/a	9/10/2021	9	Yes	43	0.9633	0.2952	0	None	In(x)	0.0003762	Param Inter 1 of 2
Fluoride, total (mg/L)	DGWC-10	0.42	n/a	9/10/2021	2.2	Yes	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-11	0.42	n/a	9/9/2021	0.1ND	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-12	0.42	n/a	9/9/2021	0.099J	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-13	0.42	n/a	9/9/2021	0.083J	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-14	0.42	n/a	9/9/2021	0.1ND	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-15	0.42	n/a	9/9/2021	0.1ND	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-17	0.42	n/a	9/13/2021	0.063J	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-19	0.42	n/a	9/9/2021	0.18	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-2	0.42	n/a	9/9/2021	0.053J	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-20	0.42	n/a	9/10/2021	0.25	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-21	0.42	n/a	9/9/2021	0.1ND	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-22	0.42	n/a	9/10/2021	0.1ND	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-23	0.42	n/a	9/9/2021	0.084J	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-4	0.42	n/a	9/10/2021	0.1ND	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-42	0.42	n/a	9/13/2021	0.1ND	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-47	0.42	n/a	9/10/2021	0.22	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-48	0.42	n/a	9/10/2021	0.47	Yes	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-5	0.42	n/a	9/10/2021	0.16	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-8	0.42	n/a	9/13/2021	0.069J	No	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
Fluoride, total (mg/L)	DGWC-9	0.42	n/a	9/10/2021	2	Yes	48	n/a	n/a	52.08	n/a	n/a	0.0007788	NP Inter (NDs) 1 of 2
pH, Field (SU)	DGWC-10	6.646	5.155	9/10/2021	5.05	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-11	6.646	5.155	9/9/2021	5.59	No	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-12	6.646	5.155	9/9/2021	6.07	No	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-13	6.646	5.155	9/9/2021	5.69	No	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-14	6.646	5.155	9/9/2021	5.7	No	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-15	6.646	5.155	9/9/2021	5.83	No	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-17	6.646	5.155	9/13/2021	5.06	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-19	6.646	5.155	9/9/2021	4.82	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-2	6.646	5.155	9/9/2021	6	No	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-20	6.646	5.155	9/10/2021	4.67	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-21	6.646	5.155	9/9/2021	5.73	No	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-22	6.646	5.155	9/10/2021	5.65	No	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-23	6.646	5.155	9/9/2021	6	No	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-4	6.646	5.155	9/10/2021	5.83	No	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-42	6.646	5.155	9/13/2021	5.15	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-47	6.646	5.155	9/10/2021	4.1	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-48	6.646	5.155	9/10/2021	4.3	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-5	6.646	5.155	9/10/2021	4.89	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-8	6.646	5.155	9/13/2021	5.05	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
pH, Field (SU)	DGWC-9	6.646	5.155	9/10/2021	3.98	Yes	50	5.9	0.3378	0	None	No	0.0001881	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-10	33.32	n/a	9/10/2021	271	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-11	33.32	n/a	9/9/2021	247	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-12	33.32	n/a	9/9/2021	126	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-13	33.32	n/a	9/9/2021	127	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-14	33.32	n/a	9/9/2021	42.3	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-15	33.32	n/a	9/9/2021	139	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-17	33.32	n/a	9/13/2021	222	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-19	33.32	n/a	9/9/2021	315	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2

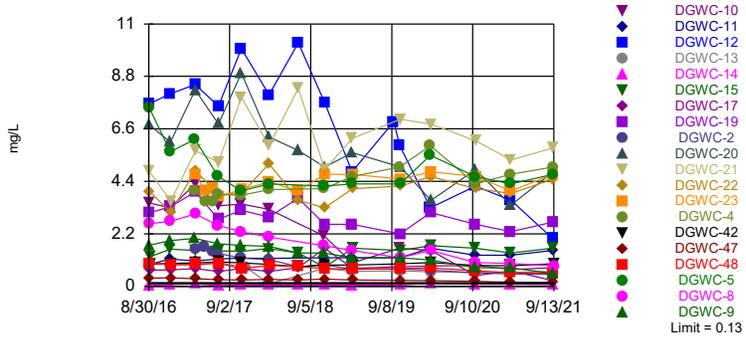
Appendix III Interwell Prediction Limits - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 1:20 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate as SO4 (mg/L)	DGWC-2	33.32	n/a	9/9/2021	110	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-20	33.32	n/a	9/10/2021	399	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-21	33.32	n/a	9/9/2021	238	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-22	33.32	n/a	9/10/2021	234	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-23	33.32	n/a	9/9/2021	217	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-4	33.32	n/a	9/10/2021	823	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-42	33.32	n/a	9/13/2021	285	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-47	33.32	n/a	9/10/2021	123	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-48	33.32	n/a	9/10/2021	272	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-5	33.32	n/a	9/10/2021	449	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-8	33.32	n/a	9/13/2021	145	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Sulfate as SO4 (mg/L)	DGWC-9	33.32	n/a	9/10/2021	264	Yes	43	2.563	1.435	11.63	None	sqrt(x)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-10	299.2	n/a	9/10/2021	474	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-11	299.2	n/a	9/9/2021	433	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-12	299.2	n/a	9/9/2021	275	No	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-13	299.2	n/a	9/9/2021	246	No	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-14	299.2	n/a	9/9/2021	99	No	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-15	299.2	n/a	9/9/2021	292	No	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-17	299.2	n/a	9/13/2021	424	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-19	299.2	n/a	9/9/2021	480	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-2	299.2	n/a	9/9/2021	260	No	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-20	299.2	n/a	9/10/2021	678	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-21	299.2	n/a	9/9/2021	396	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-22	299.2	n/a	9/10/2021	468	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-23	299.2	n/a	9/9/2021	455	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-4	299.2	n/a	9/10/2021	1520	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-42	299.2	n/a	9/13/2021	508	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-47	299.2	n/a	9/10/2021	274	No	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-48	299.2	n/a	9/10/2021	532	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-5	299.2	n/a	9/10/2021	792	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-8	299.2	n/a	9/13/2021	306	Yes	42	4.572	0.9447	0	None	x^(1/3)	0.0003762	Param Inter 1 of 2
Total Dissolved Solids [TDS] (mg/L)	DGWC-9	299.2	n/a	9/10/2021	466	Yes	42	4.572	0.9447	0	None	x^(1/3)	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

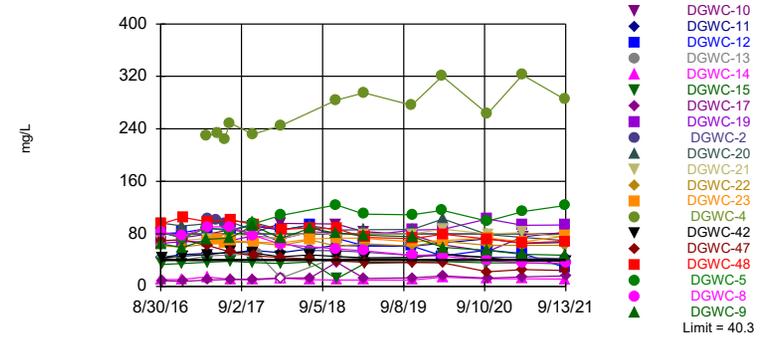


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 41 background values. 26.83% NDs. Annual per-constituent alpha = 0.04021. Individual comparison alpha = 0.001025 (1 of 2). Comparing 20 points to limit.

Constituent: Boron, total Analysis Run 11/8/2021 1:14 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

Exceeds Limit: DGWC-10, DGWC-11, DGWC-19, DGWC-2, DGWC-20, DGWC-21, DGWC-22, DGWC-23, DGWC-4, DGWC-48...

Prediction Limit
Interwell Non-parametric

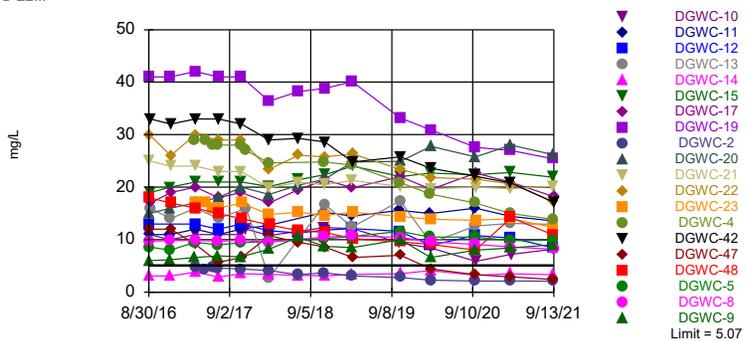


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 41 background values. 4.878% NDs. Annual per-constituent alpha = 0.04021. Individual comparison alpha = 0.001025 (1 of 2). Comparing 20 points to limit.

Constituent: Calcium, total Analysis Run 11/8/2021 1:14 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

Exceeds Limit: DGWC-10, DGWC-11, DGWC-12, DGWC-13, DGWC-15, DGWC-17, DGWC-19, DGWC-20, DGWC-21, DGWC-22...

Prediction Limit
Interwell Parametric

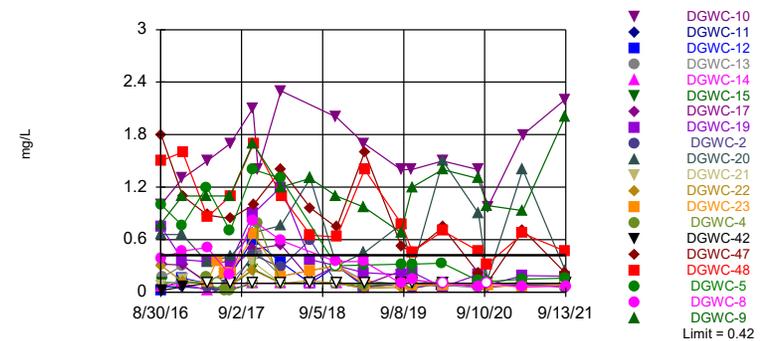


Background Data Summary (based on natural log transformation): Mean=0.9633, Std. Dev.=0.2952, n=43. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9421, critical = 0.923. Kappa = 2.236 (c=7, w=20, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0003762. Comparing 20 points to limit.

Constituent: Chloride, Total Analysis Run 11/8/2021 1:14 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

Exceeds Limit: DGWC-10, DGWC-48, DGWC-9

Prediction Limit
Interwell Non-parametric

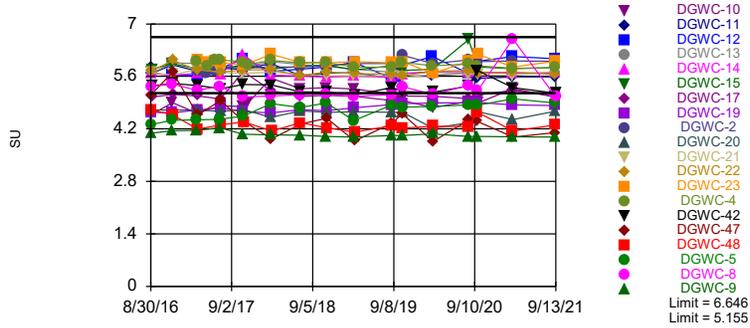


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 48 background values. 52.08% NDs. Annual per-constituent alpha = 0.03068. Individual comparison alpha = 0.0007788 (1 of 2). Comparing 20 points to limit.

Constituent: Fluoride, total Analysis Run 11/8/2021 1:14 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

Exceeds Limit: DGWC-10, DGWC-17, DGWC-19, DGWC-20, DGWC-42, DGWC-47, DGWC-48, DGWC-5, DGWC-8, DGWC-9

Prediction Limit
Interwell Parametric

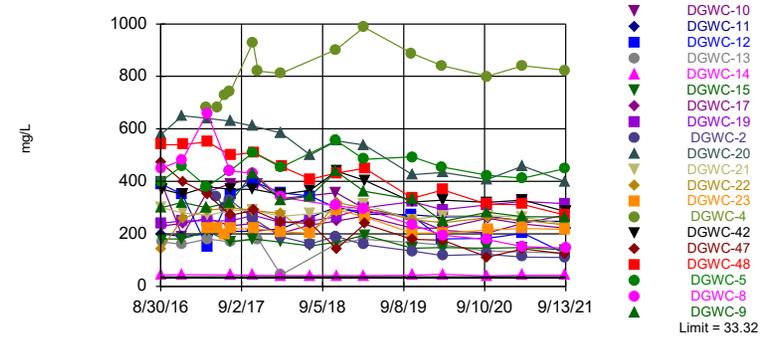


Background Data Summary: Mean=5.9, Std. Dev.=0.3378, n=50. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9448, critical = 0.935. Kappa = 2.208 (c=7, w=20, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0001881. Comparing 20 points to limit.

Constituent: pH, Field Analysis Run 11/8/2021 1:14 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

Exceeds Limit: DGWC-10, DGWC-11, DGWC-12, DGWC-13, DGWC-14, DGWC-15, DGWC-17, DGWC-19, DGWC-2, DGWC-20...

Prediction Limit
Interwell Parametric

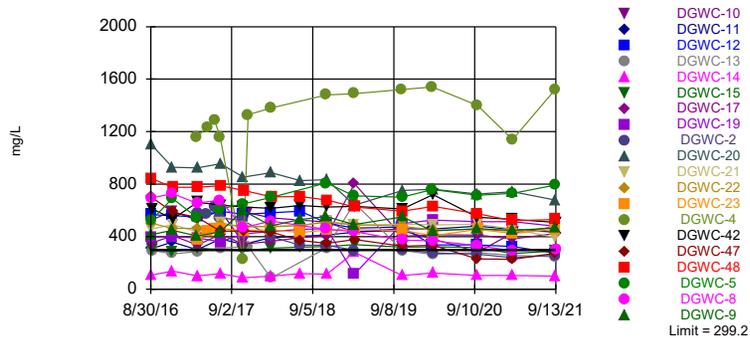


Background Data Summary (based on square root transformation): Mean=2.563, Std. Dev.=1.435, n=43, 11.63% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9331, critical = 0.923. Kappa = 2.236 (c=7, w=20, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0003762. Comparing 20 points to limit.

Constituent: Sulfate as SO4 Analysis Run 11/8/2021 1:14 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

Exceeds Limit: DGWC-10, DGWC-11, DGWC-17, DGWC-19, DGWC-20, DGWC-21, DGWC-22, DGWC-23, DGWC-4, DGWC-42...

Prediction Limit
Interwell Parametric



Background Data Summary (based on cube root transformation): Mean=4.572, Std. Dev.=0.9447, n=42. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.933, critical = 0.922. Kappa = 2.24 (c=7, w=20, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0003762. Comparing 20 points to limit.

Constituent: Total Dissolved Solids [TDS] Analysis Run 11/8/2021 1:14 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-48	DGWC-22	DGWC-20	DGWC-21	DGWC-15	DGWC-13	DGWC-42	DGWC-17	DGWA-71 (bg)
3/2/2021			3.4		1.4	0.58			
3/3/2021	0.57	3.9		5.3			0.87	0.71	
3/4/2021									
3/12/2021									
9/8/2021									<0.04
9/9/2021				5.8	1.6	0.62			
9/10/2021	0.55	4.5	4.8						
9/13/2021							0.95	0.78	

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-70A (bg)	DGWC-4	DGWA-53 (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	0.0067 (J)	4.01	0.0612		
3/29/2017					
3/30/2017				4.68	1.56
3/31/2017					
5/11/2017			0.0805		1.65
5/12/2017		3.58		4.03	
5/15/2017	0.0073 (J)				
6/15/2017	<0.04	3.58	0.0725	4.11	1.44
6/16/2017					
7/11/2017	<0.04	3.85			1.39
7/12/2017			0.0735	3.74	
7/13/2017					
8/8/2017	<0.04				
10/24/2017	0.0082 (J)	3.82	0.077		1.18
10/25/2017					
10/26/2017				4.07	
11/15/2017					
2/27/2018	0.0062 (J)	4.06			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)	4.1			0.9
11/7/2018			0.073		
11/8/2018				4.7	
3/12/2019	0.0073 (J)	4.6			0.72
3/13/2019			0.08		
3/14/2019				4.7	
9/17/2019					
10/15/2019	<0.04	5			
10/16/2019			0.059		
10/17/2019					0.73
10/18/2019				4.5	
3/2/2020	0.0055 (J)	5.9			
3/3/2020					0.68
3/4/2020				4.8	
3/9/2020			0.08 (J)		
9/22/2020	<0.04	4.3	0.056 (J)		
9/23/2020					0.57
9/24/2020				4.6	
3/1/2021	<0.04	4.7			

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-70A (bg)	DGWC-4	DGWA-53 (bg)	DGWC-23	DGWC-2
3/2/2021					0.52
3/3/2021				4	
3/4/2021					
3/12/2021			0.064		
9/8/2021					
9/9/2021	<0.04		0.065	4.7	0.51
9/10/2021		5			
9/13/2021					

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	DGWC-10	DGWC-14	DGWC-5	DGWC-11	DGWC-12	DGWC-47	DGWC-48
8/30/2016	82.7	64.9							
8/31/2016			81.7	9.95	82.6	44.2			
9/1/2016							80.6	69.3	95.1
9/2/2016									
9/6/2016									
9/7/2016									
12/6/2016	76.8	59.3	74.2	10.4	73.9	48.3			
12/7/2016							82.1		
12/8/2016								71.1	105
3/28/2017		71.6			89.1				
3/29/2017	90.5		79.5	14.4		50.5	88.3		
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	73.7			84.6				
7/12/2017			86.3	10.5		50.8	87		
7/13/2017								52.5	102
8/8/2017									
10/24/2017	78.1	92.5	81.5			55			
10/25/2017				9.67	95.6		92.1		
10/26/2017								46.7	94
11/15/2017									
2/27/2018	64.2	73.1	96.2	<25	108	51.4	85.6		
2/28/2018									
3/1/2018								44.2	
3/2/2018									86.6
3/8/2018									
7/11/2018		88.5		9.9			93.6		
7/12/2018								41.6	89.1
11/6/2018	57	81.1	94.8		124	62.6			
11/7/2018				9.7			73.3	38.6	88
11/8/2018									
3/12/2019	54.3	78.1	83.5		110	61.4	62.1		
3/13/2019				9.7					
3/14/2019								36.6	74.6
10/15/2019			79.1			61.2	61.4		
10/16/2019	47.3			9.4	109				
10/17/2019		75.6						36.2	
10/18/2019									72.7
3/2/2020					116	65.8	46.5		
3/3/2020	46	59.5	63.6	14					
3/4/2020								36	79.7
3/9/2020									
9/22/2020		54.7		11.6	99.2	72.7	55.4		
9/23/2020	39.3							22.3	72.2
9/24/2020			53.1						
3/1/2021									
3/2/2021	35.6	48.8		11.4	114	65.3			

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-19	DGWC-20	DGWC-22	DGWC-21	DGWC-13	DGWC-15	DGWC-17	DGWC-42	DGWC-4
8/30/2016									
8/31/2016									
9/1/2016	65.6								
9/2/2016		96.3	61.6	70.2					
9/6/2016					44	33.6			
9/7/2016							8.61	43.6	
12/6/2016									
12/7/2016	68.3	91.9			39.8	34.7			
12/8/2016			60.1	70.1			7.92	45.8	
3/28/2017									229
3/29/2017	68	95.7	64.7						
3/30/2017				72.5	46.3	36.9	9.56		
3/31/2017								48.3	
5/11/2017									
5/12/2017									233
5/15/2017									
6/15/2017									224
6/16/2017									
7/11/2017									249
7/12/2017	70	100		80.4	47.8	38.4	10.4		
7/13/2017			67.2					52.3	
8/8/2017									
10/24/2017									232
10/25/2017	77	97.3	66.8	75.6		36.2	10.9	50.9	
10/26/2017									
11/15/2017					49.3				
2/27/2018									245
2/28/2018	72	86.3	62.3	73.2	<25	35	<25	45.1	
3/1/2018									
3/2/2018									
3/8/2018									
7/11/2018	82.7	92.4		82.3		37.5	13 (J)	47.8	
7/12/2018			71						
11/6/2018									284
11/7/2018	81.7	85.9	60.9	78.5	44.8	11.4	37	45.5	
11/8/2018									
3/12/2019									295
3/13/2019	76.9	86.4		79.9	42.1		11.9 (J)		
3/14/2019			64.8			34.7		43.5	
10/15/2019									276
10/16/2019	85.7				43.8				
10/17/2019		86.9		79.8		37		44.1	
10/18/2019			61.7				12.9		
3/2/2020									320
3/3/2020	86.8		68.7	87.4	49.3	37.8			
3/4/2020		103					15.8	48.8	
3/9/2020									
9/22/2020	103	79.2						43.8	263
9/23/2020					39	35.6			
9/24/2020			62.6	80			12.7		
3/1/2021									322
3/2/2021	93.2	74.7			40.5	36			

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-19	DGWC-20	DGWC-22	DGWC-21	DGWC-13	DGWC-15	DGWC-17	DGWC-42	DGWC-4
3/3/2021			62.3	82.1			14.3	38.8	
3/4/2021									
3/12/2021									
9/8/2021									
9/9/2021	93.6			75.3	38.2	34.4			
9/10/2021		69.8	62.3						285
9/13/2021							15.8	38.9	

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (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	30.8	5.14	8.31		
3/29/2017					
3/30/2017				68.1	103
3/31/2017					
5/11/2017	35.8				102
5/12/2017			8.04	71.1	
5/15/2017		6.5			
6/15/2017	36	5.38		65.9	96.2
6/16/2017			7.66		
7/11/2017		5.96	7.71		98.4
7/12/2017	40.3			70	
7/13/2017					
8/8/2017		5.2			
10/24/2017	30.3	4.93	6.86		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	39.8				
7/11/2018					55
7/12/2018	34.7			72	
11/6/2018		5.5	5.7		54.5
11/7/2018	28.6				
11/8/2018				73.5	
3/12/2019		5.1	5.5		52.2
3/13/2019	26.7				
3/14/2019				73.2	
10/15/2019		5.1	5.1		
10/16/2019	17.7				
10/17/2019					47.2
10/18/2019				67.7	
3/2/2020		5.3	5.8		
3/3/2020					48.4
3/4/2020				69.8	
3/9/2020	23.7				
9/22/2020	15.5	5	5.4		
9/23/2020					44.4
9/24/2020				73.7	
3/1/2021		4.1	5.9		
3/2/2021					44

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-23	DGWC-2
3/3/2021				68.1	
3/4/2021					
3/12/2021	18.4				
9/8/2021			6.1		
9/9/2021	18.3	5.3		76.4	42
9/10/2021					
9/13/2021					

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	DGWC-14	DGWC-11	DGWC-5	DGWC-10	DGWC-48	DGWC-12	DGWC-47
8/30/2016	9.7	6							
8/31/2016			3.1	11	8.6	11			
9/1/2016							18	13	12
9/2/2016									
9/6/2016									
9/7/2016									
12/6/2016	9.8	6.2	3.1	11	8	10			
12/7/2016								20 (O)	
12/8/2016							17		12
3/28/2017		6.6			9.5				
3/29/2017	9.9		3.8	12		11		13	
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	6.9			9				
7/12/2017			2.9	11		11		12	
7/13/2017							15		5.7
8/8/2017									
10/24/2017	9.9	6.7		12		11			
10/25/2017			3.5		9.4			13	
10/26/2017							14		6.6
11/15/2017						12			
2/27/2018	9.5	8.2	3.4	12.7	9.7	10.8		11.7	
2/28/2018									
3/1/2018									10.7
3/2/2018							12.8		
3/8/2018									
7/11/2018		10.5	3.2					11.3	
7/12/2018							11.7		9.5
11/6/2018	10.5	8.7		15.2	10.2	12.3			
11/7/2018			3.1				11.4	11.8	8.6
11/8/2018									
3/12/2019	10.7	8.5		14.5	10.6	12.1		12.1	
3/13/2019			3.4						
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				
10/17/2019		10							7
10/18/2019							9.6		
3/2/2020				15	10.5			8.9	
3/3/2020	9.6	6.6	4.1			8.4			
3/4/2020							9.1		4.4
3/9/2020									
9/22/2020		8	3.2	16	10.5			10.8	
9/23/2020	9.1						8		3.3
9/24/2020						5.9			
3/1/2021									
3/2/2021	8.6	8.4	3.5	14.4	9.8				

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-19	DGWC-21	DGWC-22	DGWC-20	DGWC-13	DGWC-15	DGWC-17	DGWC-42	DGWA-53 (bg)
8/30/2016									
8/31/2016									
9/1/2016	41								
9/2/2016		25	30	15					
9/6/2016					16	19			
9/7/2016							17	33	
12/6/2016									
12/7/2016	41			16	14	20			
12/8/2016		24	26				19	32	
3/28/2017									3.7
3/29/2017	42		30	17					
3/30/2017		24			16	21	20		
3/31/2017								33	
5/11/2017									2.3
5/12/2017									
5/15/2017									
6/15/2017									2.6
6/16/2017									
7/11/2017									
7/12/2017	41	23		18	14	21	18		2.3
7/13/2017			29					33	
8/8/2017									
10/24/2017									2.7
10/25/2017	41	23	29	20		21	19	32	
10/26/2017									
11/15/2017					16				2.2
2/27/2018									
2/28/2018	36.4	19.9	23.4	18.6	2.7	20.1	17	29	
3/1/2018									
3/2/2018									
3/8/2018									2.4
7/11/2018	38.2	20.9		20.4		21.4	19.5	29.3	
7/12/2018			26.1						2.2
11/6/2018									
11/7/2018	38.8	20.5	25.8	21.5	16.7	22.4	21.4	28.6	2.3
11/8/2018									
3/12/2019									
3/13/2019	40.1	21.3		24.8	12.4		19.9		3.6
3/14/2019			26.3			24		24.8	
10/15/2019									
10/16/2019	33.2				17.4				2
10/17/2019		20.1		24.9		22		25.8	
10/18/2019			23.4				22		
3/2/2020									
3/3/2020	30.9	19.7	21.8		9.4	22.7			
3/4/2020				27.8			19.6	23.6	
3/9/2020									1.8
9/22/2020	27.6			25.8				22.1	1.6
9/23/2020					12.6	22.4			
9/24/2020		20	21.5				22.7		
3/1/2021									
3/2/2021	27			28	13.1	22.8			

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-19	DGWC-21	DGWC-22	DGWC-20	DGWC-13	DGWC-15	DGWC-17	DGWC-42	DGWA-53 (bg)
3/3/2021		19.7	20.6				20.9	20.8	
3/4/2021									
3/12/2021									2
9/8/2021									
9/9/2021	25.4	20.2			12.9	21.9			1.8
9/10/2021			17.3	26.2					
9/13/2021							18.2	17.1	

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-4	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	29	3.6	3.8		
3/29/2017					
3/30/2017				17	4.8
3/31/2017					
5/11/2017					4.4
5/12/2017	29	3.8		17	
5/15/2017			2.2		
6/15/2017	28		2	16	4.8
6/16/2017		3.4			
7/11/2017	28	3.1	2.1		4.6
7/12/2017				16	
7/13/2017					
8/8/2017			2.2		
10/24/2017	28	3.2	2.4		4.4
10/25/2017					
10/26/2017				17	
11/15/2017	27	3.1			
2/27/2018	24.6	3.2	2.5		4.1
2/28/2018					
3/1/2018				14.8	
3/2/2018					
3/8/2018					
7/11/2018					3.3
7/12/2018				15.2	
11/6/2018	24.8	2.6	2.3		3.7
11/7/2018					
11/8/2018				14.6	
3/12/2019	24.2	3.3	2.5		3.1
3/13/2019					
3/14/2019				15.2	
10/15/2019	20.9	3.3	2.2		
10/16/2019					
10/17/2019					2.8
10/18/2019				14.4	
3/2/2020	18.7	3	1.9		
3/3/2020					2.3
3/4/2020				13.9	
3/9/2020					
9/22/2020	17	5.2	1.9		
9/23/2020					2.1
9/24/2020				13.7	
3/1/2021	15	3.9	1.9		
3/2/2021					2.1

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-4	DGWA-71 (bg)	DGWA-70A (bg)	DGWC-23	DGWC-2
3/3/2021				14	
3/4/2021					
3/12/2021					
9/8/2021		5.9			
9/9/2021			1.9	12.3	2.1
9/10/2021	13.9				
9/13/2021					

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	DGWC-5	DGWC-10	DGWC-11	DGWC-14	DGWC-19	DGWC-12	DGWC-47
8/30/2016	0.39	0.78							
8/31/2016			1	1	0.06 (J)	0.06 (J)			
9/1/2016							0.75	0.02 (J)	1.8
9/2/2016									
9/6/2016									
9/7/2016									
12/6/2016	0.47	1.1	0.76	1.3	0.06 (J)	0.1 (J)			
12/7/2016							0.37	0.16 (J)	
12/8/2016									1.1
3/28/2017		1.1	1.2						
3/29/2017	0.51			1.5	0.04 (J)	0.02 (J)	0.35	0.1 (J)	
3/30/2017									
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)	1.1	0.7						
7/12/2017				1.7	0.03 (J)	<0.1	0.34	0.2 (J)	
7/13/2017									0.84
8/8/2017									
10/24/2017	0.82	1.7		2.1	<0.1				
10/25/2017			1.4			<0.1	0.9	0.6	
10/26/2017									1
11/15/2017				1.4					
2/27/2018	0.59	1.2	1.3	2.3	<0.1	<0.1		0.34	
2/28/2018							1.2		
3/1/2018									1.4
3/2/2018									
3/8/2018									
7/11/2018		1.3				<0.1	0.37	<0.1	
7/12/2018									0.96
11/6/2018	0.35	1.1	<0.3 (J)	2	<0.1				
11/7/2018						<0.1	<0.3 (J)	<0.3 (J)	0.74
11/8/2018									
3/12/2019	0.35	0.97	0.31	1.7	0.052 (J)			0.065 (J)	
3/13/2019						0.042 (J)	0.22 (J)		
3/14/2019									1.6
8/27/2019		0.68	0.32	1.4	<0.1	<0.1		<0.1	
8/28/2019	0.098 (J)						0.2		
8/29/2019									0.52
10/15/2019				1.4	<0.1			<0.1	
10/16/2019	0.14 (J)		0.32			0.052 (J)	0.23 (J)		
10/17/2019		1.2							0.46
10/18/2019									
3/2/2020			0.33		0.064 (J)			0.071 (J)	
3/3/2020	<0.1	1.4		1.5		<0.1	0.056 (J)		
3/4/2020									0.74
3/9/2020									
8/11/2020		1.3		1.4	<0.1	<0.1	0.2	<0.1	
8/12/2020	0.056 (J)		0.13						0.22

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-48	DGWC-20	DGWC-21	DGWC-22	DGWC-13	DGWC-15	DGWC-42	DGWC-17	DGWC-4
8/30/2016									
8/31/2016									
9/1/2016	1.5								
9/2/2016		0.66	0.07 (J)	0.3					
9/6/2016					0.17 (J)	0.11 (J)			
9/7/2016							0.02 (J)	0.32	
12/6/2016									
12/7/2016		0.66			0.3	0.11 (J)			
12/8/2016	1.6		0.14 (J)	0.12 (J)			0.06 (J)	0.31	
3/28/2017									0.17 (J)
3/29/2017		0.34		0.11 (J)					
3/30/2017	0.86		<0.1		0.12 (J)	<0.1		0.1 (J)	
3/31/2017							<0.1		
5/11/2017									
5/12/2017									<0.1
5/15/2017									
6/15/2017									0.02 (J)
6/16/2017									
7/11/2017									0.02 (J)
7/12/2017		0.41	0.04 (J)		0.13 (J)	0.07 (J)		0.27 (J)	
7/13/2017	1.1			0.09 (J)			<0.1		
8/8/2017									
10/24/2017									<0.1
10/25/2017		0.68	0.34	0.25 (J)		0.26 (J)	<0.1	0.49	
10/26/2017	1.7								
11/15/2017					0.44				0.79
2/27/2018									<0.1
2/28/2018		0.76	<0.1	<0.1	0.18	<0.1	<0.1	0.54	
3/1/2018									
3/2/2018	1.1								
3/8/2018									
7/11/2018		1.3	<0.1			<0.1	<0.1	0.15 (J)	
7/12/2018	0.65			0.13 (J)					
11/6/2018									<0.1
11/7/2018	0.63	<0.3 (J)	<0.1	<0.1	<0.3 (J)	<0.1	<0.1	<0.3 (J)	
11/8/2018									
3/12/2019									0.082 (J)
3/13/2019		0.45	0.043 (J)		0.13 (J)			0.084 (J)	
3/14/2019	1.4			0.042 (J)		0.057 (J)	<0.1		
8/27/2019								0.24 (J)	<0.1
8/28/2019					0.091 (J)	<0.1	<0.1		
8/29/2019	0.78	0.78	0.079 (J)	0.054 (J)					
10/15/2019									<0.1
10/16/2019					0.14 (J)				
10/17/2019		0.26 (J)	<0.1			0.079 (J)	<0.1		
10/18/2019	0.46			<0.1				0.086 (J)	
3/2/2020									<0.1
3/3/2020			<0.1	<0.1	0.078 (J)	<0.1			
3/4/2020	0.7	1.5					<0.1	<0.1	
3/9/2020									
8/11/2020									
8/12/2020					0.051 (J)				<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-48	DGWC-20	DGWC-21	DGWC-22	DGWC-13	DGWC-15	DGWC-42	DGWC-17	DGWC-4
8/13/2020	0.47	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
9/23/2020	0.32				0.058 (J)	<0.1			
9/24/2020			<0.1	<0.1				0.056 (J)	
3/1/2021									<0.1
3/2/2021		1.4			0.084 (J)	<0.1			
3/3/2021	0.67		<0.1	<0.1			<0.1	0.085 (J)	
3/4/2021									
3/12/2021									
9/8/2021									
9/9/2021			<0.1		0.083 (J)	<0.1			
9/10/2021	0.47	0.25		<0.1					<0.1
9/13/2021							<0.1	0.063 (J)	

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-71 (bg)	DGWC-23	DGWC-2	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)	0.06 (J)			1.2 (O)
3/29/2017					
3/30/2017			0.12 (J)	0.06 (J)	
3/31/2017					
5/11/2017	0.07 (J)			0.06 (J)	
5/12/2017		<0.1	0.36		
5/15/2017					0.005 (J)
6/15/2017	0.19 (J)		0.21 (J)	0.07 (J)	0.02 (J)
6/16/2017		0.008 (J)			
7/11/2017		0.007 (J)		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)	<0.1		0.43	<0.1
10/25/2017					
10/26/2017			0.66		
11/15/2017	0.05 (J)	<0.1			
2/27/2018		<0.1		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	<0.1
11/7/2018	<0.1				
11/8/2018			<0.3 (J)		
3/12/2019		<0.1		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	<0.1
8/28/2019	0.42				
8/29/2019			0.095 (J)		
10/15/2019		<0.1			<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			<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	<0.1
8/12/2020					

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-71 (bg)	DGWC-23	DGWC-2	DGWA-70A (bg)
8/13/2020	0.062 (J)		0.1		
8/14/2020					
9/22/2020	0.099 (J)	<0.1			<0.1
9/23/2020				<0.1	
9/24/2020			0.075 (J)		
3/1/2021		<0.1			<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		<0.1			
9/9/2021	0.099 (J)		0.084 (J)	0.053 (J)	<0.1
9/10/2021					
9/13/2021					

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-20	DGWC-22	DGWC-21	DGWC-15	DGWC-13	DGWC-17	DGWC-42	DGWC-12	DGWC-4
8/11/2020								5.69	
8/12/2020					5.68				5.93
8/13/2020	4.36			6.58			5.34		
8/14/2020		5.76	5.66			5.01			
9/22/2020	4.66						5.76	6	5.88
9/23/2020				5.85	5.72				
9/24/2020		5.69	5.64			5.1			
3/1/2021									5.82
3/2/2021	4.45			5.81	5.68				
3/3/2021		5.71	5.63			5.23	5.3	6.13	
3/4/2021									
3/12/2021									
9/8/2021									
9/9/2021			5.73	5.83	5.69			6.07	
9/10/2021	4.67	5.65							5.83
9/13/2021						5.06	5.15		

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-71 (bg)	DGWC-23	DGWC-2	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	6.29	5.94			
3/29/2017					
3/30/2017			6.03	5.75	
3/31/2017					
5/11/2017	6.6			5.67	
5/12/2017		5.46	5.97		
5/15/2017					5.72
6/15/2017	6.41		6	5.75	5.74
6/16/2017		5.81			
7/11/2017		5.74		5.87	5.62
7/12/2017	5.91		5.97		
7/13/2017					
8/8/2017					5.6
10/24/2017	5.51	5.86		5.82	5.71
10/25/2017					
10/26/2017			5.9		
11/15/2017	6.5	5.77			
2/27/2018		5.66		5.85	5.5
2/28/2018					
3/1/2018			6.19		
3/2/2018					
3/8/2018	6.18				
7/10/2018		5.63			5.44
7/11/2018				5.85	
7/12/2018	6.33		5.97		
11/6/2018		5.79		5.88	5.71
11/7/2018	6.22				
11/8/2018			5.96		
3/12/2019		5.74		5.94	5.52
3/13/2019	6				
3/14/2019			5.99		
8/27/2019		5.87		5.94	5.53
8/28/2019	6.04				
8/29/2019			5.96		
9/17/2019					
10/15/2019		5.88			5.61
10/16/2019	6.69				
10/17/2019				6.16	
10/18/2019			5.99		
3/2/2020		5.77			5.54
3/3/2020				5.94	
3/4/2020			5.68		
3/9/2020	6.41				

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-71 (bg)	DGWC-23	DGWC-2	DGWA-70A (bg)
8/11/2020		5.96		6.04	5.86
8/12/2020					
8/13/2020	6.17		6		
8/14/2020					
9/22/2020	6.43	6.06			6.01
9/23/2020				5.99	
9/24/2020			6.19		
3/1/2021		5.8			5.43
3/2/2021				6.01	
3/3/2021			5.85		
3/4/2021					
3/12/2021	6.38				
9/8/2021		5.76			
9/9/2021	6.41		6	6	5.5
9/10/2021					
9/13/2021					

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-9	DGWC-8	DGWC-10	DGWC-11	DGWC-5	DGWC-14	DGWC-47	DGWC-12	DGWC-19
8/30/2016	300	450							
8/31/2016			400	200	400	44			
9/1/2016							470	390	240
9/2/2016									
9/6/2016									
9/7/2016									
12/6/2016	320	480	190	190	460	45			
12/7/2016								350	250
12/8/2016							400		
3/28/2017	300				380				
3/29/2017		660	360	200		81 (O)		150	250
3/30/2017									
3/31/2017							350		
5/11/2017									
5/12/2017									
5/15/2017									
6/15/2017									
6/16/2017									
7/11/2017	320	440			440				
7/12/2017			390	210		44		350	250
7/13/2017							270		
8/8/2017									
10/24/2017	430	430	410	210					
10/25/2017					510	42		400	270
10/26/2017							290		
11/15/2017			390						
2/27/2018	327	340	335	220	453	41		356	
2/28/2018									244
3/1/2018							245		
3/2/2018									
3/8/2018									
7/11/2018	344					40.6		344	249
7/12/2018							240		
11/6/2018	438	307	356	302	556				
11/7/2018						41.3	143	298	266
11/8/2018									
3/12/2019	362	295	297	275	484			284	
3/13/2019						41.2			299
3/14/2019							238		
10/15/2019			263	273				270	
10/16/2019		235			493	42.1			323
10/17/2019	331						179		
10/18/2019									
3/2/2020				264	455			181	
3/3/2020	247	195	213			45.5			292
3/4/2020							176		
3/9/2020									
9/22/2020	282			267	423	40.2		183	310
9/23/2020		178					111		
9/24/2020			204						
3/1/2021									
3/2/2021	266	152		250	412	42.6			324

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-9	DGWC-8	DGWC-10	DGWC-11	DGWC-5	DGWC-14	DGWC-47	DGWC-12	DGWC-19
3/3/2021							143	203	
3/4/2021			240						
3/12/2021									
9/8/2021									
9/9/2021				247		42.3		126	315
9/10/2021	264		271		449		123		
9/13/2021		145							

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-48	DGWC-22	DGWC-21	DGWC-20	DGWC-13	DGWC-15	DGWC-42	DGWC-17	DGWC-4
8/30/2016									
8/31/2016									
9/1/2016	540								
9/2/2016		140	300	580					
9/6/2016					170	180			
9/7/2016							370	230	
12/6/2016									
12/7/2016				650	160	180			
12/8/2016	540	260	280				350	240	
3/28/2017									680
3/29/2017		290		640					
3/30/2017	550		270		180	210		260	
3/31/2017							380		
5/11/2017									
5/12/2017									680
5/15/2017									
6/15/2017									730
6/16/2017									
7/11/2017									740
7/12/2017			290	630	170	170		230	
7/13/2017	500	300					370		
8/8/2017									
10/24/2017									930
10/25/2017		290	290	610		180	370	240	
10/26/2017	510								
11/15/2017					180				820
2/27/2018									811
2/28/2018		278	267	584	43.5	168	350	203	
3/1/2018									
3/2/2018	456								
3/8/2018									
7/11/2018			277	501		154	366	234	
7/12/2018	409	197							
11/6/2018									902
11/7/2018	432	320	286	554	162	168	439	248	
11/8/2018									
3/12/2019									987
3/13/2019			312	539	179			268	
3/14/2019	450	297				195	404		
10/15/2019									888
10/16/2019					167				
10/17/2019			255	426		146	321		
10/18/2019	336	254						222	
3/2/2020									840
3/3/2020		242	269		157	148			
3/4/2020	368			434			329	222	
3/9/2020									
9/22/2020				408			320		800
9/23/2020	313				134	146			
9/24/2020		262	269					259	
3/1/2021									840
3/2/2021				458	131	148			

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-48	DGWC-22	DGWC-21	DGWC-20	DGWC-13	DGWC-15	DGWC-42	DGWC-17	DGWC-4
3/3/2021	312	252	264				329	237	
3/4/2021									
3/12/2021									
9/8/2021									
9/9/2021			238		127	139			
9/10/2021	272	234		399					823
9/13/2021							285	222	

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-71 (bg)	DGWA-70A (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	17	2.7	49		
3/29/2017					
3/30/2017				360	220
3/31/2017					
5/11/2017			21	340	
5/12/2017	17				220
5/15/2017		1			
6/15/2017		0.86 (J)	16	300	200
6/16/2017	11				
7/11/2017	11	1.4		330	
7/12/2017			10		220
7/13/2017					
8/8/2017		1.5			
10/24/2017	9.6	1.4	15	260	
10/25/2017					
10/26/2017					220
11/15/2017	7.8		3.8		
2/27/2018	7.4	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	7.3	<1 (J)		190	
11/7/2018			12.8		
11/8/2018					292
3/12/2019	7	0.35 (J)		159	
3/13/2019			23.7		
3/14/2019					266
10/15/2019	7.4	0.16 (J)			
10/16/2019			15.1		
10/17/2019				134	
10/18/2019					203
3/2/2020	8.5	<1			
3/3/2020				118	
3/4/2020					204
3/9/2020			9.5		
9/22/2020	6.5	<1	13.5		
9/23/2020				122	
9/24/2020					215
3/1/2021	5.2	<1			
3/2/2021				112	

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-71 (bg)	DGWA-70A (bg)	DGWA-53 (bg)	DGWC-2	DGWC-23
3/3/2021					221
3/4/2021					
3/12/2021			8.8		
9/8/2021	6.1				
9/9/2021		<1	11.9	110	217
9/10/2021					
9/13/2021					

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	DGWC-10	DGWC-5	DGWC-11	DGWC-14	DGWC-19	DGWC-48	DGWC-12
8/30/2016	693	414							
8/31/2016			525	524	307	106			
9/1/2016							396	845	568
9/2/2016									
9/6/2016									
9/7/2016									
12/6/2016	727	449	595	690	358	138			
12/7/2016							400		559
12/8/2016								777	
3/28/2017		404		545					
3/29/2017	654		525		300	102	390		550
3/30/2017								775	
3/31/2017									
5/11/2017									
5/12/2017									
5/15/2017									
6/15/2017									
6/16/2017									
7/11/2017	679	436		612					
7/12/2017			598		382	118	360		594
7/13/2017								789	
8/8/2017									
10/24/2017	468	599	353		342				
10/25/2017				650		88	423		571
10/26/2017								753	
11/15/2017			582						
2/27/2018	520	482	542	698	393	99			582
2/28/2018							440		
3/1/2018									
3/2/2018								704	
3/8/2018									
7/11/2018		532				119	457		593
7/12/2018								705	
11/6/2018	456	554	512	809	412				
11/7/2018						113	461	678	504
11/8/2018									
3/12/2019	438	493	436	711	433				465
3/13/2019						280	113		
3/14/2019								625	
10/15/2019			447		461				472
10/16/2019	374			702		104	500		
10/17/2019		550							
10/18/2019								593	
3/2/2020				759	458				338
3/3/2020	369	444	382			123	526		
3/4/2020								630	
3/9/2020									
9/22/2020		461		716	481	105	513		338
9/23/2020	333							575	
9/24/2020			283						
3/1/2021									
3/2/2021	291	449		730	456	105	513		

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-47	DGWC-20	DGWC-22	DGWC-21	DGWC-13	DGWC-15	DGWC-42	DGWC-17	DGWC-4
8/30/2016									
8/31/2016									
9/1/2016	704								
9/2/2016		1100	502	459					
9/6/2016					296	304			
9/7/2016							611	353	
12/6/2016									
12/7/2016		930			270	287			
12/8/2016	587		464	491			535	408	
3/28/2017									1160
3/29/2017		923	462						
3/30/2017				436	287	312		338	
3/31/2017	545						661		
5/11/2017									
5/12/2017									1230
5/15/2017									
6/15/2017									1290
6/16/2017									
7/11/2017									1160
7/12/2017		956		505	312	490 (O)		417	
7/13/2017	441		492				641		
8/8/2017									
10/24/2017									229
10/25/2017		854	477	474		290	626	343	
10/26/2017	444								
11/15/2017					325				1330
2/27/2018									1380
2/28/2018		888	476	480	84	313	616	364	
3/1/2018	435								
3/2/2018									
3/8/2018									
7/11/2018		826		485		320	638	393	
7/12/2018	372		486						
11/6/2018									1480
11/7/2018	348	834	511	516	314	325	626	408	
11/8/2018									
3/12/2019									1490
3/13/2019		639		486	656			802	
3/14/2019	378		491			340	630		
10/15/2019									1520
10/16/2019					296				
10/17/2019	327	751		498		319	612		
10/18/2019			480					403	
3/2/2020									1540
3/3/2020			452	490	263	323			
3/4/2020	334	761					721	414	
3/9/2020									
9/22/2020		724					547		1400
9/23/2020	229				278	317			
9/24/2020			455	494				411	
3/1/2021									1140
3/2/2021		742			256	272			

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-47	DGWC-20	DGWC-22	DGWC-21	DGWC-13	DGWC-15	DGWC-42	DGWC-17	DGWC-4
3/3/2021	228		442	459			531	384	
3/4/2021									
3/12/2021									
9/8/2021									
9/9/2021				396	246	292			
9/10/2021	274	678	468						1520
9/13/2021							508	424	

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (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	202	39	90		
3/29/2017					
3/30/2017				580	380
3/31/2017					
5/11/2017	241			573	
5/12/2017			92		438
5/15/2017		88			
6/15/2017	251	65		626	458
6/16/2017			100		
7/11/2017		25	59	542	
7/12/2017	218				461
7/13/2017					
8/8/2017		53			
10/24/2017	671 (O)	49	117	523	
10/25/2017					
10/26/2017					446
11/15/2017	241		90		
2/27/2018		43	79	401	
2/28/2018					
3/1/2018					454
3/2/2018					
3/8/2018	213				
7/11/2018				334	
7/12/2018	198				432
11/6/2018		65	85	334	
11/7/2018	200				
11/8/2018					450
3/12/2019		43	74	297	
3/13/2019	201				
3/14/2019					453
10/15/2019		70	89		
10/16/2019	126				
10/17/2019				302	
10/18/2019					448
3/2/2020		52	67		
3/3/2020				277	
3/4/2020					408
3/9/2020	171				
9/22/2020	142	46	74		
9/23/2020				267	
9/24/2020					456
3/1/2021		25	62		
3/2/2021				241	

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 11/8/2021 1:16 PM View: AP 234 Appendix III
Plant McDonough Client: Southern Company Data: McDonough AP

	DGWA-53 (bg)	DGWA-70A (bg)	DGWA-71 (bg)	DGWC-2	DGWC-23
3/3/2021					425
3/4/2021					
3/12/2021	124				
9/8/2021			75		
9/9/2021	131	53		260	455
9/10/2021					
9/13/2021					

FIGURE E.

Appendix III Trend Tests - Significant Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 2/25/2022, 7:30 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron, total (mg/L)	DGWC-10	-0.7511	-62	-43	Yes	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-11	0.06556	62	43	Yes	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-12	-1.24	-63	-53	Yes	15	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-13	-0.08547	-49	-43	Yes	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-2	-0.263	-85	-48	Yes	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-20	-0.7252	-64	-48	Yes	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-4	0.3101	54	43	Yes	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-47	-0.0335	-76	-48	Yes	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-48	-0.07754	-68	-48	Yes	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-8	-0.4216	-69	-43	Yes	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-9	-0.2815	-80	-48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWA-53 (bg)	-4.533	-57	-48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-11	4.66	64	43	Yes	13	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-19	6.089	75	48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-2	-15.03	-87	-48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-4	21.16	50	43	Yes	13	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-48	-7.485	-73	-48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-5	8.05	50	43	Yes	13	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWA-53 (bg)	-0.1941	-59	-53	Yes	15	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-11	1.079	44	43	Yes	13	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-12	-0.7273	-55	-43	Yes	13	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-15	0.5787	57	48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-19	-3.305	-69	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-20	2.833	83	48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-21	-1.053	-62	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-22	-2.241	-68	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-23	-0.873	-72	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-4	-3.438	-85	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-42	-3.134	-79	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-48	-2.232	-67	-48	Yes	14	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	DGWC-48	-0.1917	-68	-58	Yes	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-19	0.05374	74	58	Yes	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-5	0.112	74	58	Yes	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-9	-0.02122	-75	-58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWA-70A (bg)	-0.2582	-50	-48	Yes	14	35.71	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWA-71 (bg)	-1.564	-72	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-12	-47.07	-54	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-15	-8.561	-57	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-19	17.24	60	48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-2	-59.83	-83	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-20	-51.63	-69	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-47	-58.21	-78	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-48	-56.15	-76	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-8	-72.96	-72	-43	Yes	13	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWA-53 (bg)	-26.59	-62	-48	Yes	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-11	32.36	53	43	Yes	13	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-19	29.77	52	48	Yes	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-20	-58.61	-69	-48	Yes	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-48	-61.71	-79	-48	Yes	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-5	38.2	54	43	Yes	13	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-8	-87.61	-70	-43	Yes	13	0	n/a	n/a	0.01	NP

Appendix III Trend Tests - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 2/25/2022, 7:30 AM

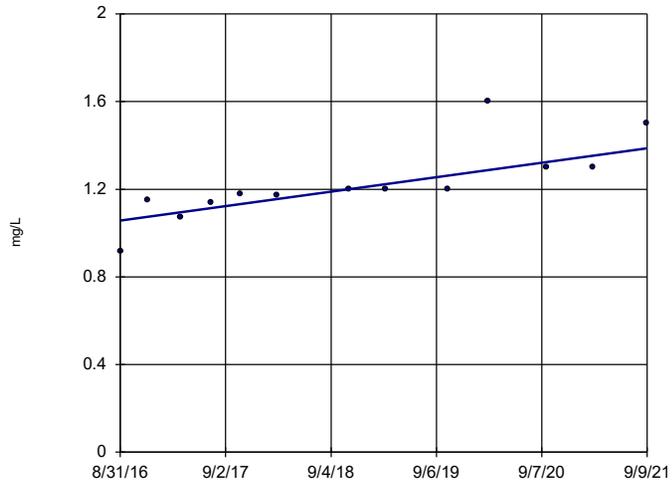
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron, total (mg/L)	DGWA-53 (bg)	-0.002041	-16	-48	No	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWA-70A (bg)	0	14	48	No	14	57.14	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWA-71 (bg)	0	-2	-43	No	13	23.08	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-10	-0.7511	-62	-43	Yes	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-11	0.06556	62	43	Yes	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-12	-1.24	-63	-53	Yes	15	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-13	-0.08547	-49	-43	Yes	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-15	0.01926	22	48	No	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-17	0.03666	39	48	No	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-19	-0.1898	-40	-48	No	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-2	-0.263	-85	-48	Yes	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-20	-0.7252	-64	-48	Yes	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-21	0.2662	21	48	No	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-22	0.1044	17	48	No	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-23	0.1025	25	48	No	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-4	0.3101	54	43	Yes	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-42	-0.01135	-22	-48	No	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-47	-0.0335	-76	-48	Yes	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-48	-0.07754	-68	-48	Yes	14	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-5	-0.1613	-13	-43	No	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-8	-0.4216	-69	-43	Yes	13	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	DGWC-9	-0.2815	-80	-48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWA-53 (bg)	-4.533	-57	-48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWA-70A (bg)	-0.1515	-29	-48	No	14	7.143	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWA-71 (bg)	-0.6883	-36	-43	No	13	7.692	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-10	-1.262	-14	-43	No	13	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-11	4.66	64	43	Yes	13	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-19	6.089	75	48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-2	-15.03	-87	-48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-20	-4.731	-43	-48	No	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-21	2.444	41	48	No	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-22	0.05105	6	48	No	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-23	1.103	32	48	No	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-4	21.16	50	43	Yes	13	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-48	-7.485	-73	-48	Yes	14	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-5	8.05	50	43	Yes	13	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	DGWC-9	-5.362	-25	-48	No	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWA-53 (bg)	-0.1941	-59	-53	Yes	15	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWA-70A (bg)	-0.08417	-33	-48	No	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWA-71 (bg)	0.07636	12	48	No	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-10	-0.6293	-33	-48	No	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-11	1.079	44	43	Yes	13	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-12	-0.7273	-55	-43	Yes	13	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-13	-0.3754	-14	-43	No	13	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-15	0.5787	57	48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-17	0.6518	35	48	No	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-19	-3.305	-69	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-20	2.833	83	48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-21	-1.053	-62	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-22	-2.241	-68	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-23	-0.873	-72	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-4	-3.438	-85	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-42	-3.134	-79	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-48	-2.232	-67	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-5	0.4296	43	43	No	13	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-8	-0.1857	-24	-43	No	13	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	DGWC-9	0.5877	44	48	No	14	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	DGWA-53 (bg)	-0.001259	-9	-63	No	17	11.76	n/a	n/a	0.01	NP

Appendix III Trend Tests - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 2/25/2022, 7:30 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Fluoride, total (mg/L)	DGWA-70A (bg)	0.01092	48	53	No	15	66.67	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	DGWA-71 (bg)	0	32	58	No	16	81.25	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	DGWC-10	0.03121	14	58	No	16	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	DGWC-48	-0.1917	-68	-58	Yes	16	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	DGWC-9	0.03993	16	58	No	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWA-53 (bg)	0.02897	13	63	No	17	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWA-70A (bg)	-0.02535	-22	-58	No	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWA-71 (bg)	0.03005	28	63	No	17	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-10	0.061	32	63	No	17	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-17	-0.003279	-9	-63	No	17	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-19	0.05374	74	58	Yes	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-20	-0.02007	-42	-53	No	15	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-42	-0.02543	-32	-58	No	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-47	-0.1735	-52	-58	No	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-48	-0.02287	-24	-58	No	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-5	0.112	74	58	Yes	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-8	0	-3	-58	No	16	0	n/a	n/a	0.01	NP
pH, Field (SU)	DGWC-9	-0.02122	-75	-58	Yes	16	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWA-53 (bg)	-1.708	-31	-53	No	15	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWA-70A (bg)	-0.2582	-50	-48	Yes	14	35.71	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWA-71 (bg)	-1.564	-72	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-10	-35.48	-42	-48	No	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-11	15.01	34	43	No	13	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-12	-47.07	-54	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-13	-7.462	-36	-43	No	13	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-14	-0.3613	-11	-43	No	13	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-15	-8.561	-57	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-17	-0.2865	-6	-48	No	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-19	17.24	60	48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-2	-59.83	-83	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-20	-51.63	-69	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-21	-7.197	-43	-48	No	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-22	-5.563	-14	-48	No	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-23	0	3	48	No	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-4	34.38	33	48	No	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-42	-12.99	-40	-48	No	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-47	-58.21	-78	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-48	-56.15	-76	-48	Yes	14	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-5	1.576	2	43	No	13	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-8	-72.96	-72	-43	Yes	13	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	DGWC-9	-8.648	-15	-48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWA-53 (bg)	-26.59	-62	-48	Yes	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWA-70A (bg)	-1.029	-7	-48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWA-71 (bg)	-5.605	-39	-48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-10	-38.88	-42	-48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-11	32.36	53	43	Yes	13	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-17	11.01	34	48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-19	29.77	52	48	Yes	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-20	-58.61	-69	-48	Yes	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-21	1.49	4	48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-22	-5.683	-27	-48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-23	0.7783	3	48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-4	86.33	45	48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-42	-15.87	-24	-48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-48	-61.71	-79	-48	Yes	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-5	38.2	54	43	Yes	13	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-8	-87.61	-70	-43	Yes	13	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/L)	DGWC-9	7.766	16	48	No	14	0	n/a	n/a	0.01	NP

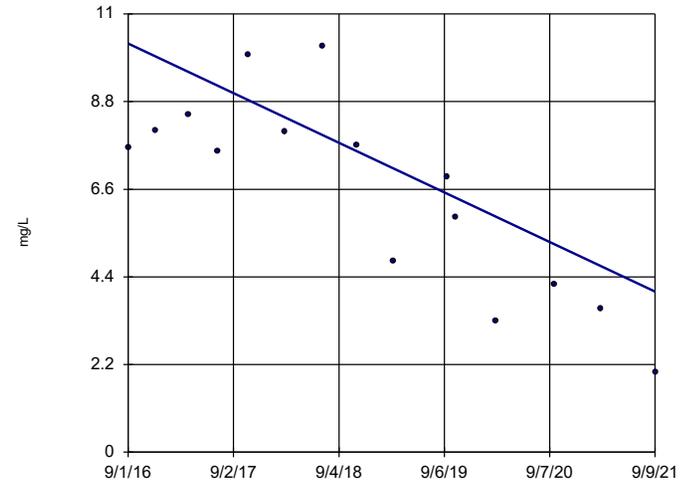
Sen's Slope Estimator
DGWC-11



n = 13
Slope = 0.06556
units per year.
Mann-Kendall
statistic = 62
critical = 43
Increasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Boron, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

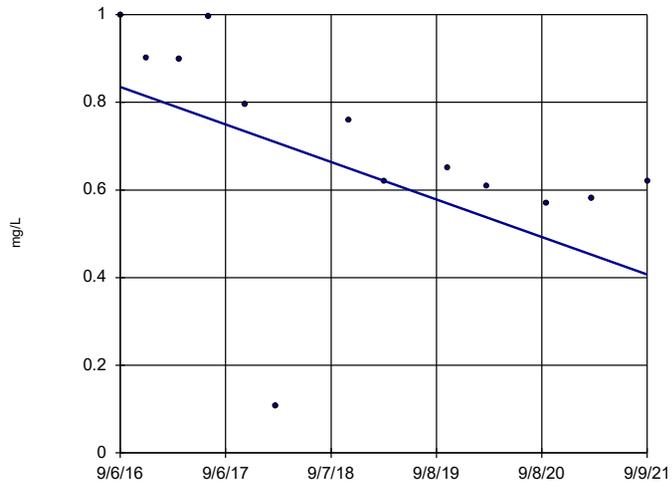
Sen's Slope Estimator
DGWC-12



n = 15
Slope = -1.24
units per year.
Mann-Kendall
statistic = -63
critical = -53
Decreasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Boron, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

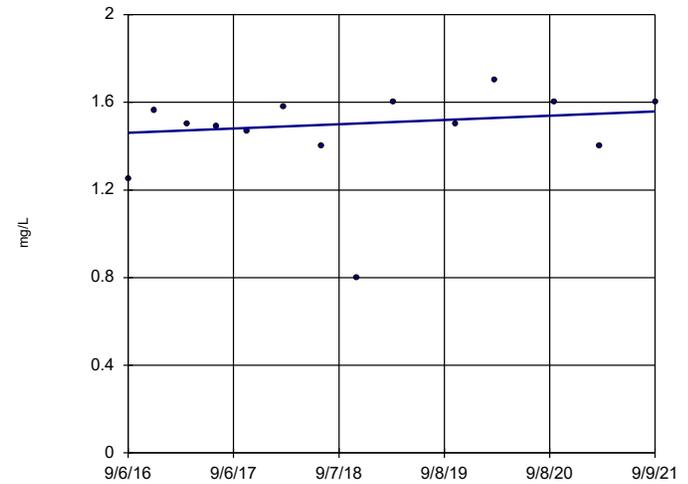
Sen's Slope Estimator
DGWC-13



n = 13
Slope = -0.08547
units per year.
Mann-Kendall
statistic = -49
critical = -43
Decreasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Boron, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

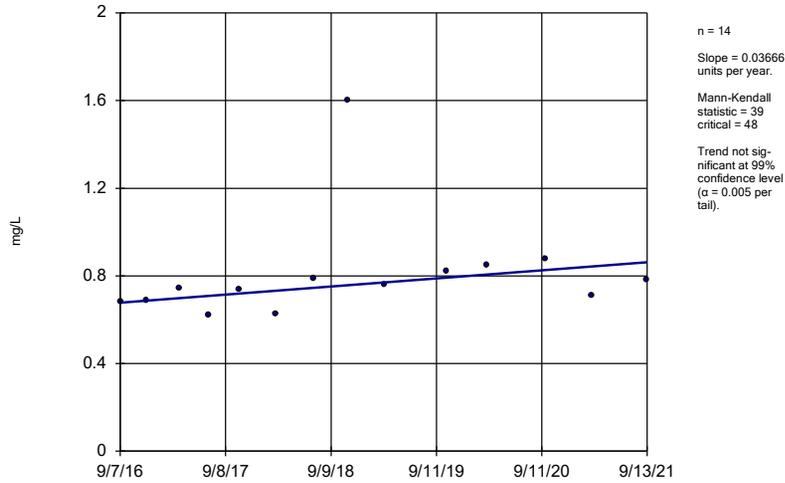
Sen's Slope Estimator
DGWC-15



n = 14
Slope = 0.01926
units per year.
Mann-Kendall
statistic = 22
critical = 48
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

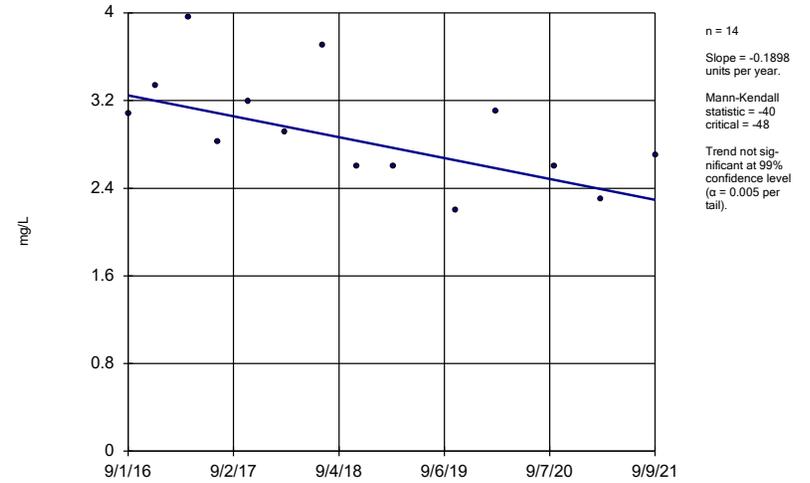
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-17



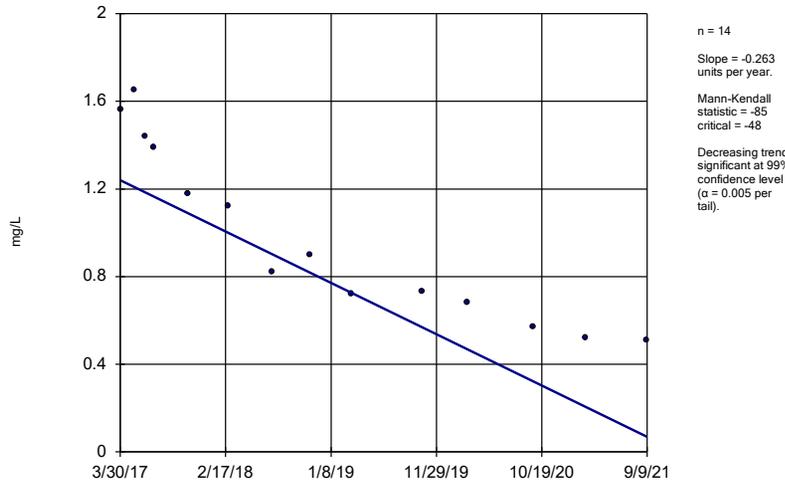
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-19



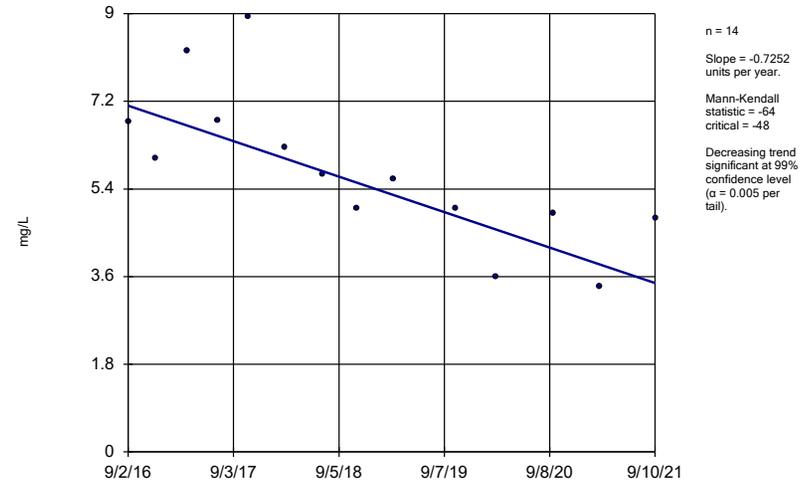
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-2



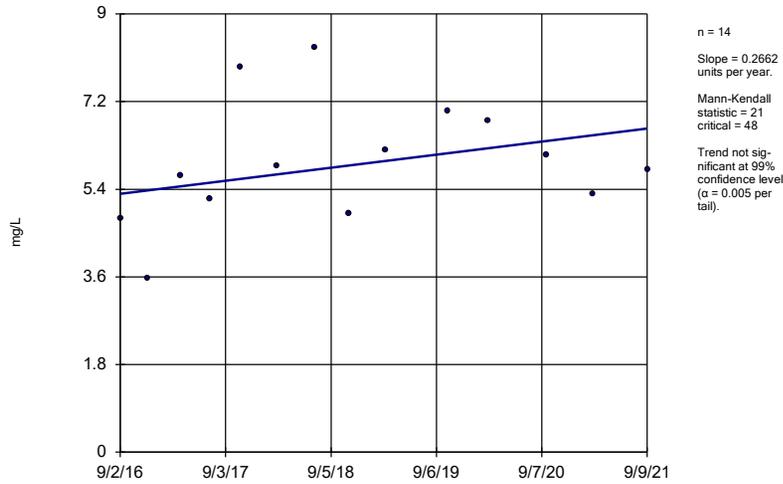
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-20



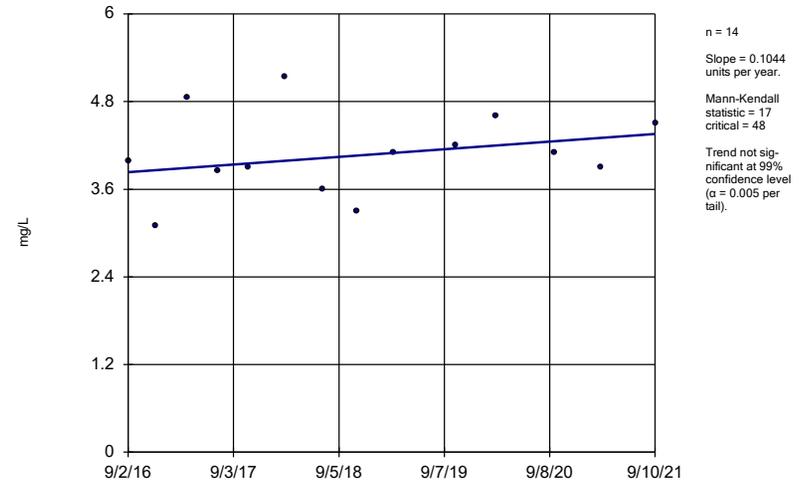
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-21



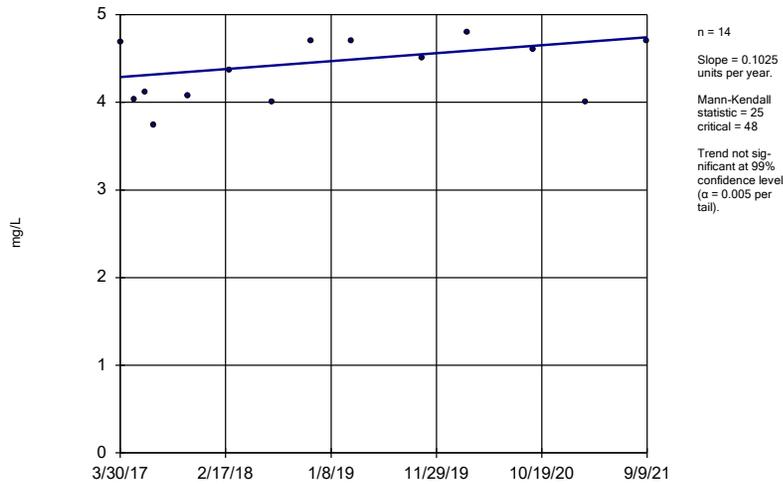
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-22



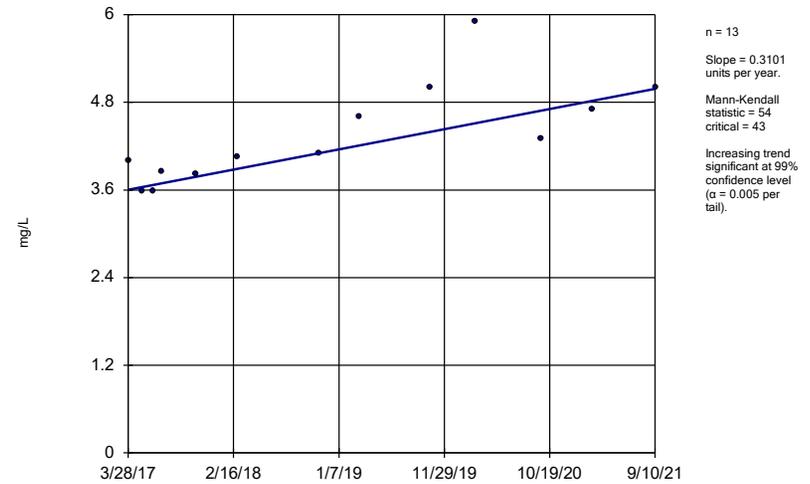
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-23



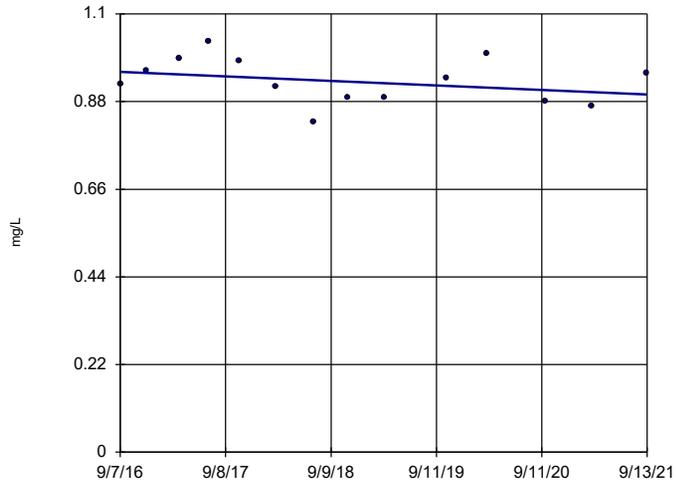
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-4



Constituent: Boron, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

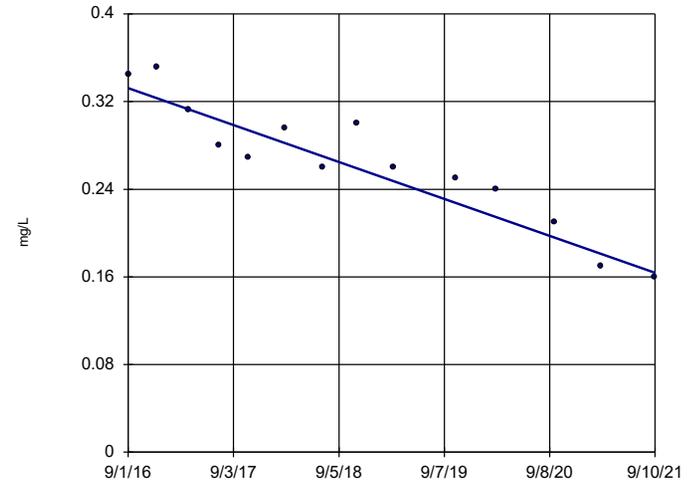
Sen's Slope Estimator DGWC-42



n = 14
 Slope = -0.01135
 units per year.
 Mann-Kendall
 statistic = -22
 critical = -48
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Boron, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Client: Southern Company Data: McDonough AP

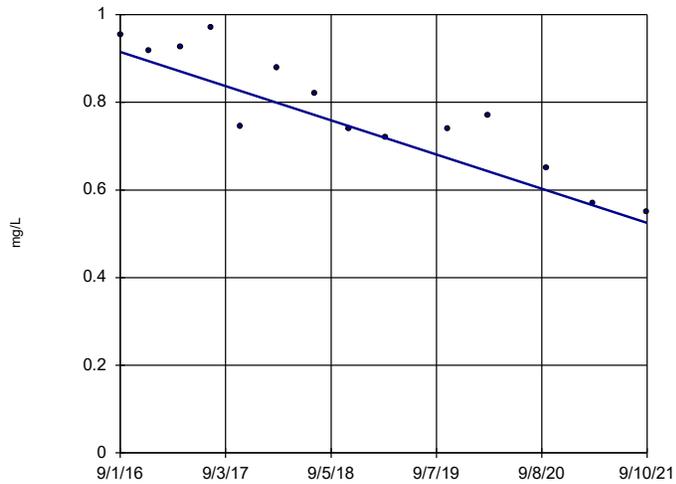
Sen's Slope Estimator DGWC-47



n = 14
 Slope = -0.0335
 units per year.
 Mann-Kendall
 statistic = -76
 critical = -48
 Decreasing trend
 significant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Boron, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Client: Southern Company Data: McDonough AP

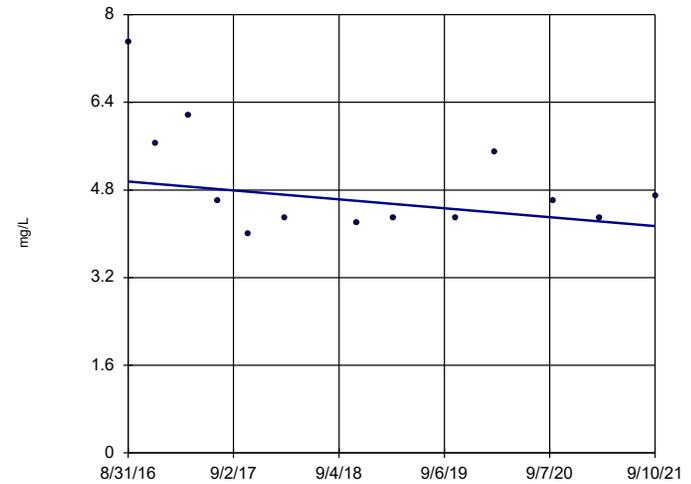
Sen's Slope Estimator DGWC-48



n = 14
 Slope = -0.07754
 units per year.
 Mann-Kendall
 statistic = -68
 critical = -48
 Decreasing trend
 significant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Boron, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Client: Southern Company Data: McDonough AP

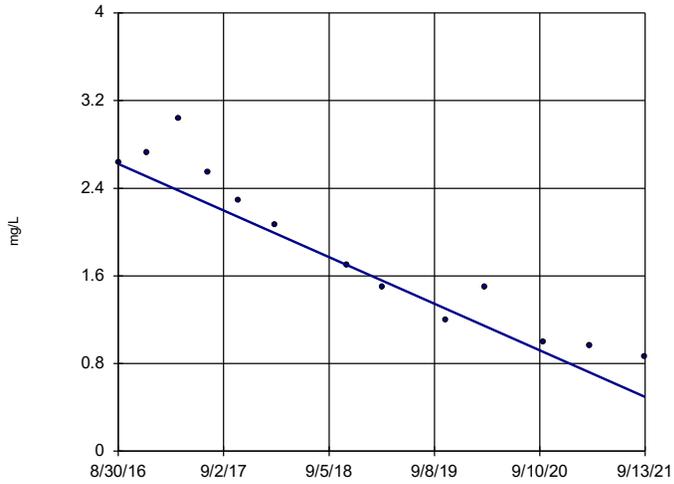
Sen's Slope Estimator DGWC-5



n = 13
 Slope = -0.1613
 units per year.
 Mann-Kendall
 statistic = -13
 critical = -43
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Boron, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Client: Southern Company Data: McDonough AP

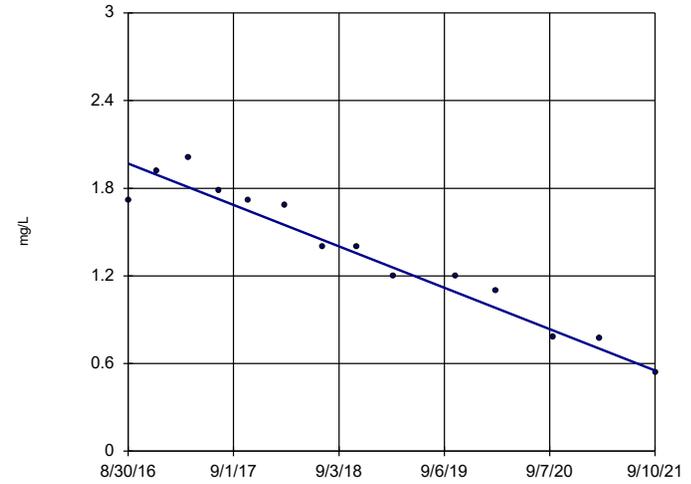
Sen's Slope Estimator
DGWC-8



n = 13
Slope = -0.4216
units per year.
Mann-Kendall
statistic = -69
critical = -43
Decreasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Boron, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

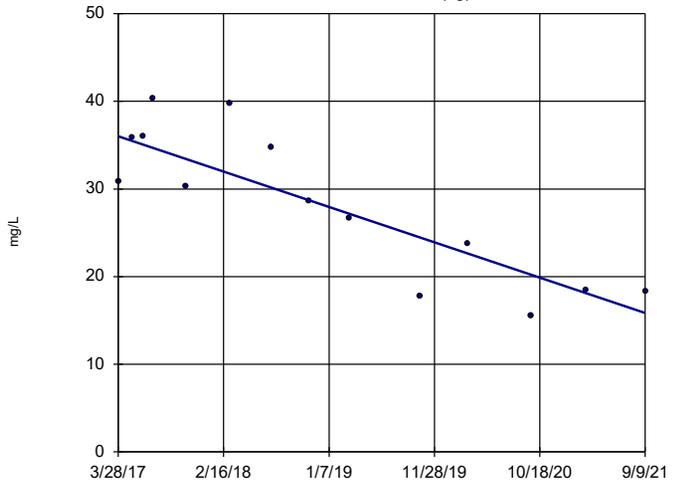
Sen's Slope Estimator
DGWC-9



n = 14
Slope = -0.2815
units per year.
Mann-Kendall
statistic = -80
critical = -48
Decreasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Boron, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

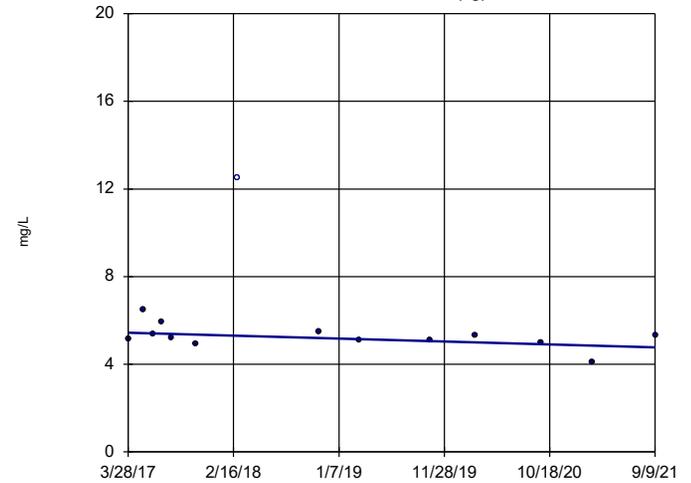
Sen's Slope Estimator
DGWA-53 (bg)



n = 14
Slope = -4.533
units per year.
Mann-Kendall
statistic = -57
critical = -48
Decreasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Calcium, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

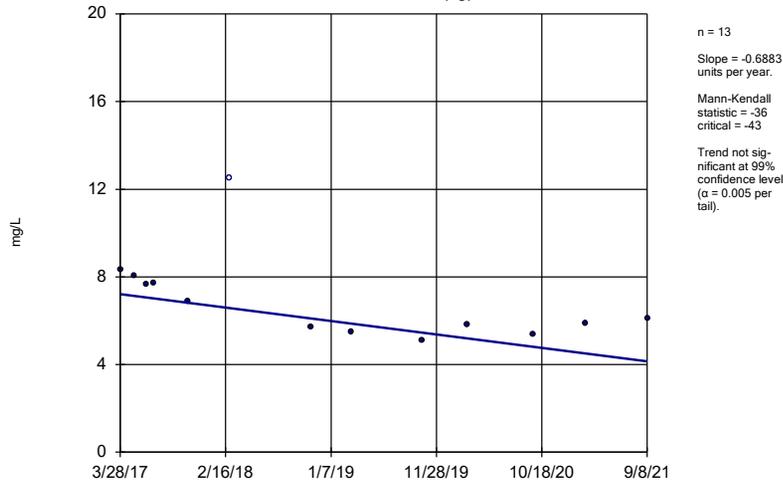
Sen's Slope Estimator
DGWA-70A (bg)



n = 14
Slope = -0.1515
units per year.
Mann-Kendall
statistic = -29
critical = -48
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

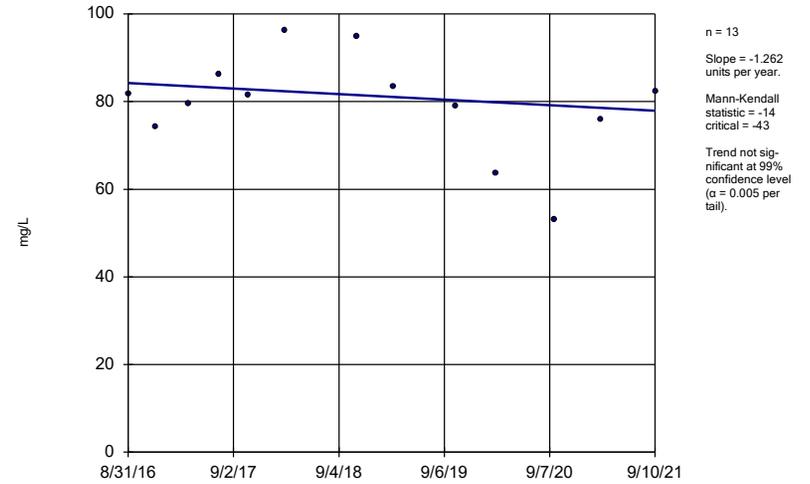
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
 DGWA-71 (bg)



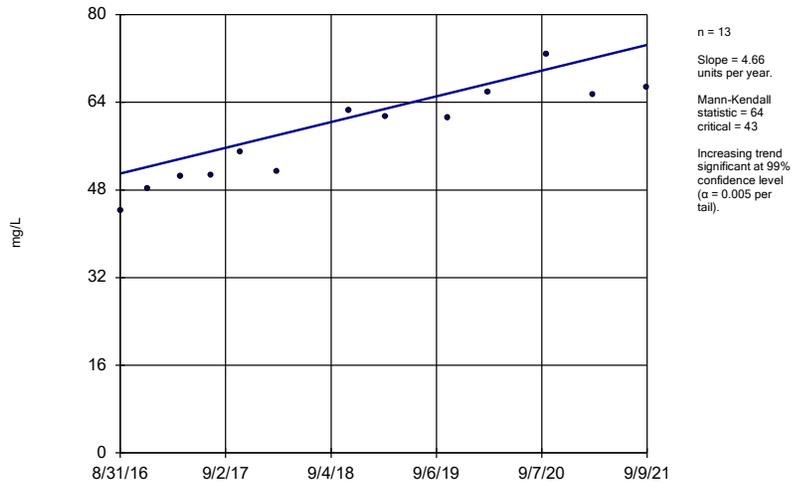
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 Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
 DGWC-10



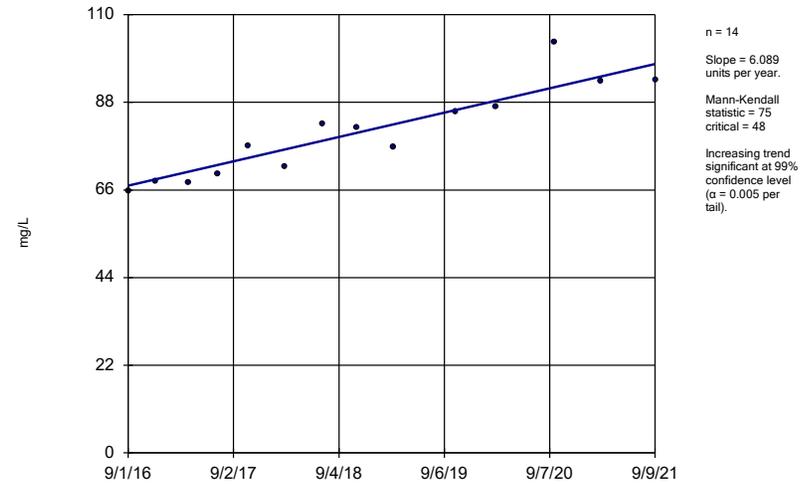
Constituent: Calcium, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
 DGWC-11



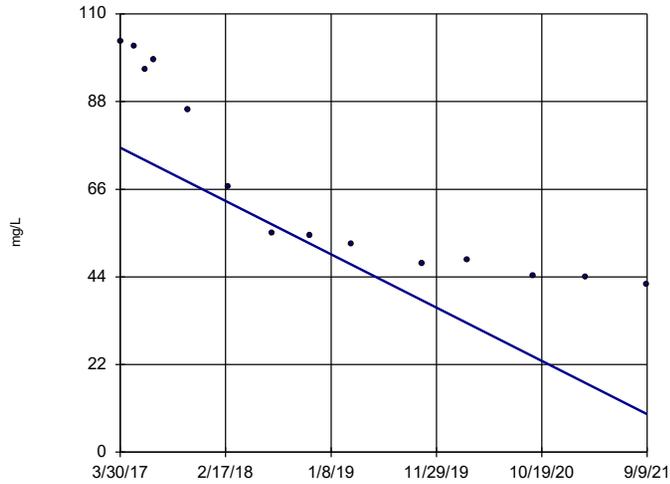
Constituent: Calcium, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
 DGWC-19



Constituent: Calcium, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Client: Southern Company Data: McDonough AP

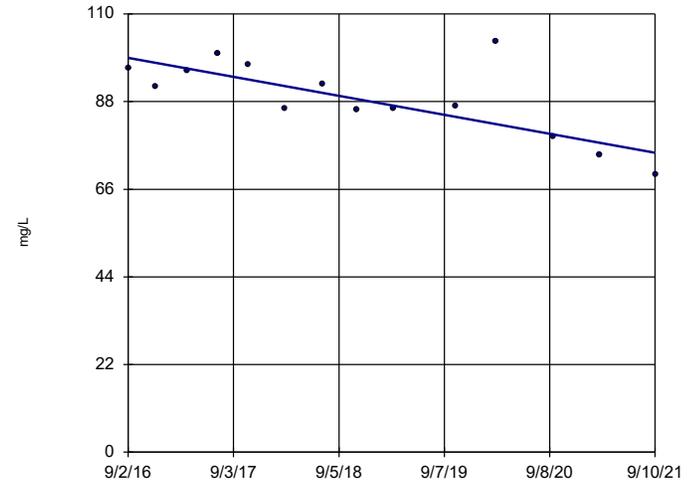
Sen's Slope Estimator
DGWC-2



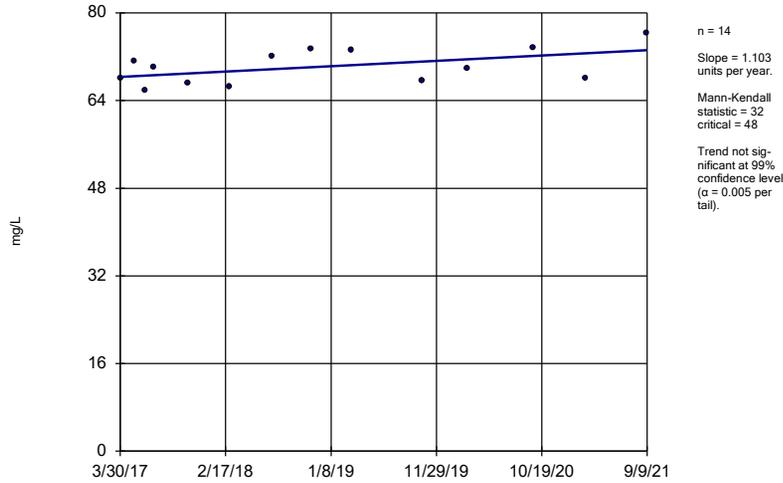
n = 14
Slope = -15.03 units per year.
Mann-Kendall statistic = -87
critical = -48
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-20

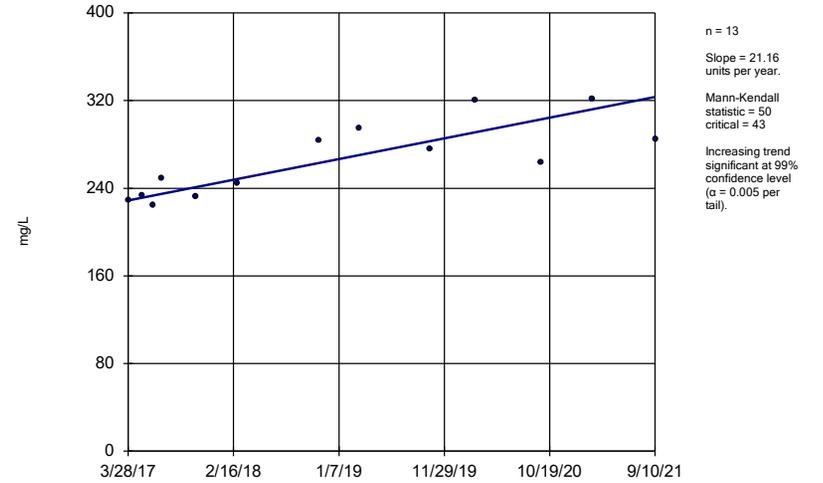


Sen's Slope Estimator
DGWC-23



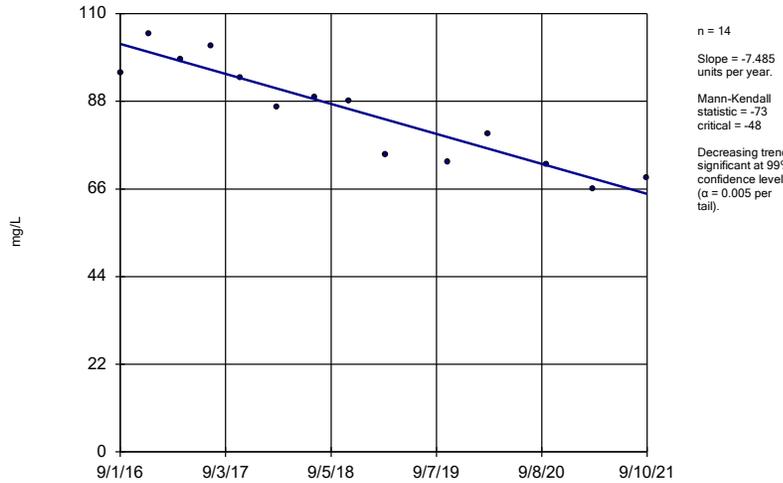
Constituent: Calcium, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-4



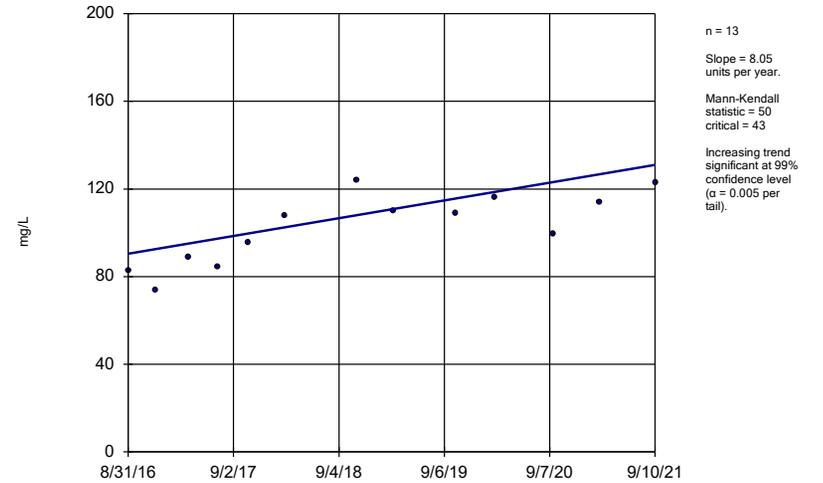
Constituent: Calcium, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-48



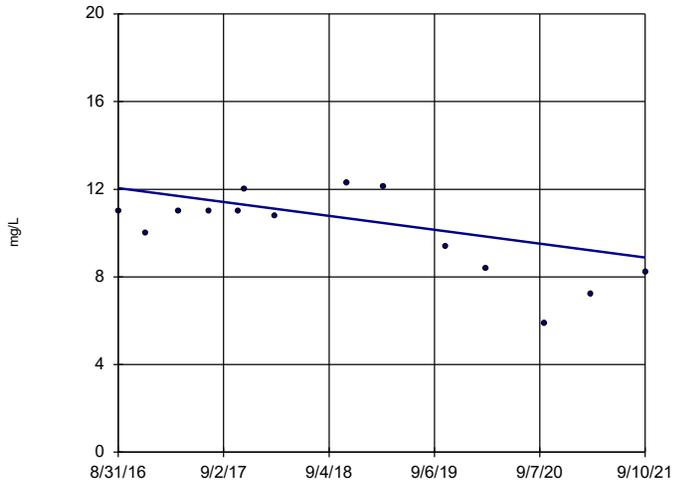
Constituent: Calcium, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-5



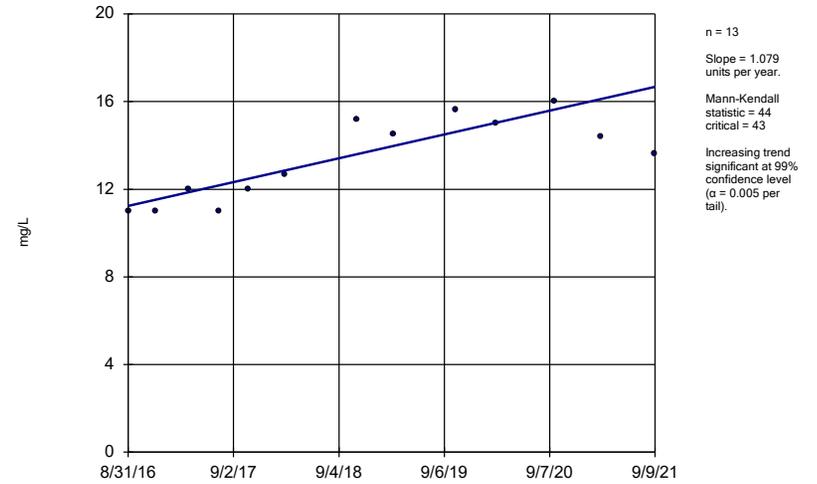
Constituent: Calcium, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-10



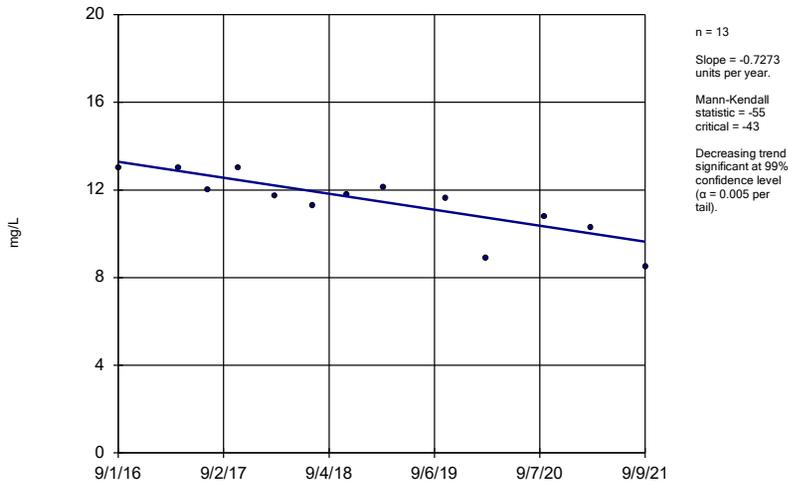
Constituent: Chloride, Total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-11



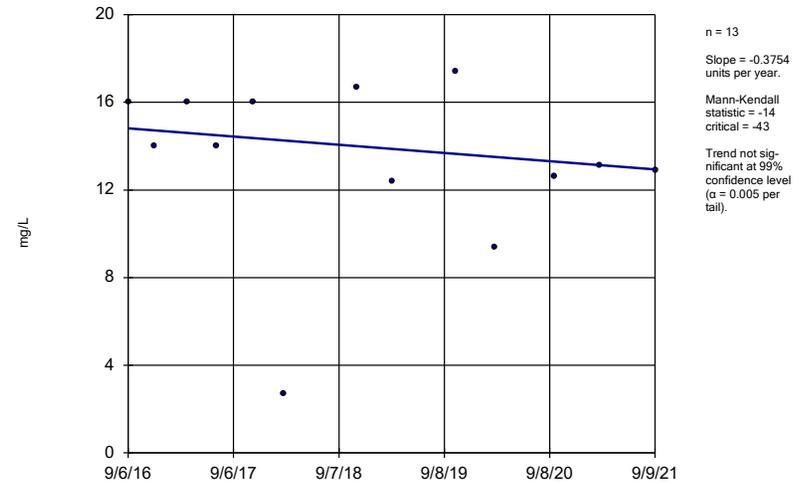
Constituent: Chloride, Total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-12



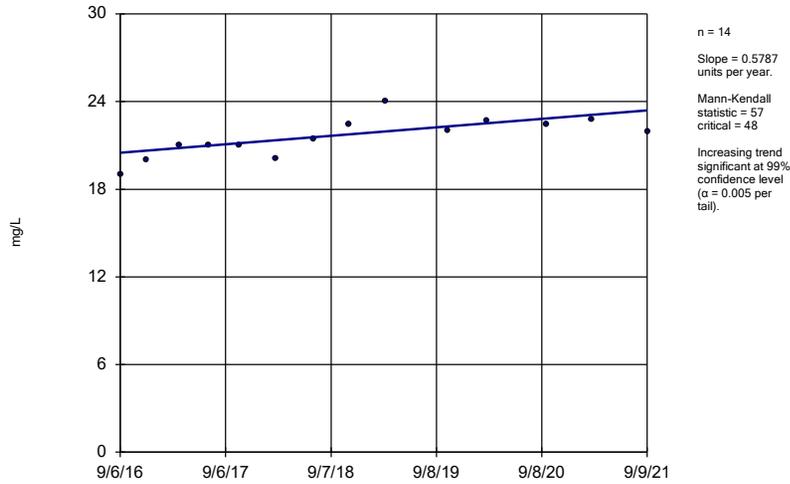
Constituent: Chloride, Total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-13

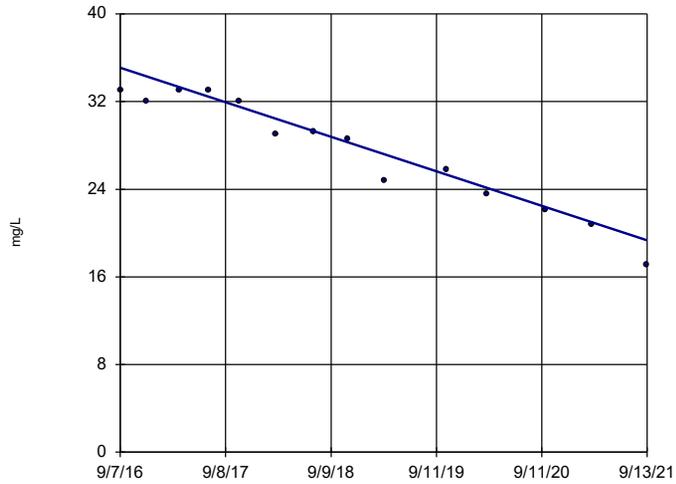


Constituent: Chloride, Total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-15

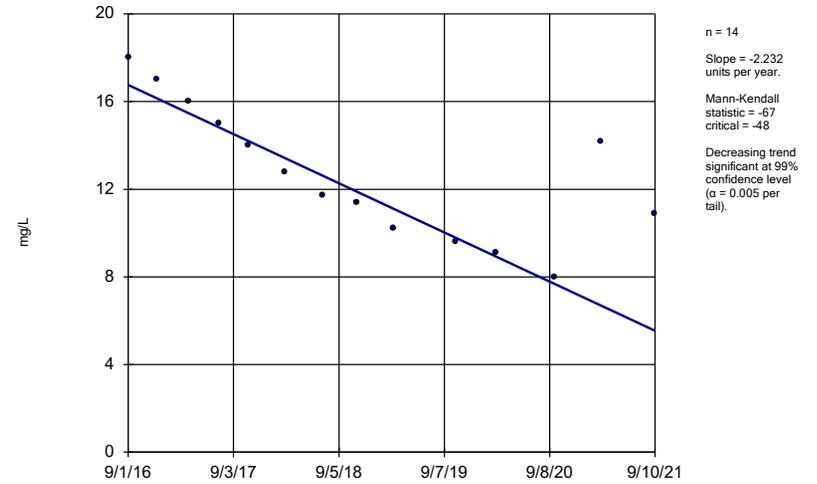


Sen's Slope Estimator DGWC-42



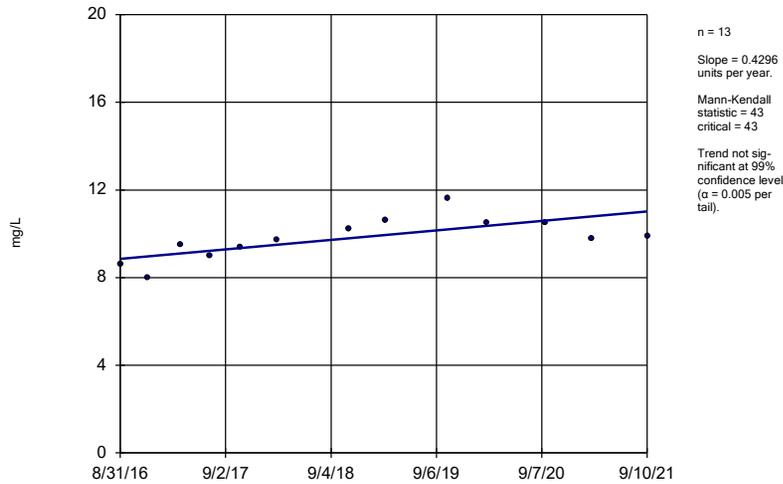
Constituent: Chloride, Total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator DGWC-48



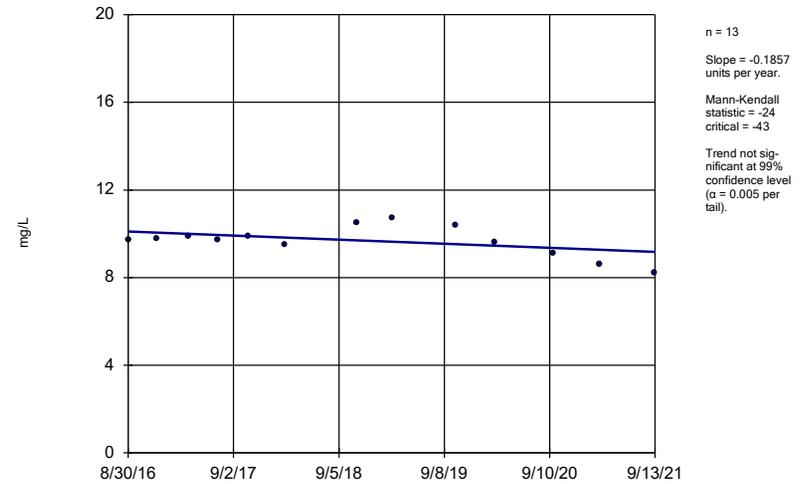
Constituent: Chloride, Total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator DGWC-5

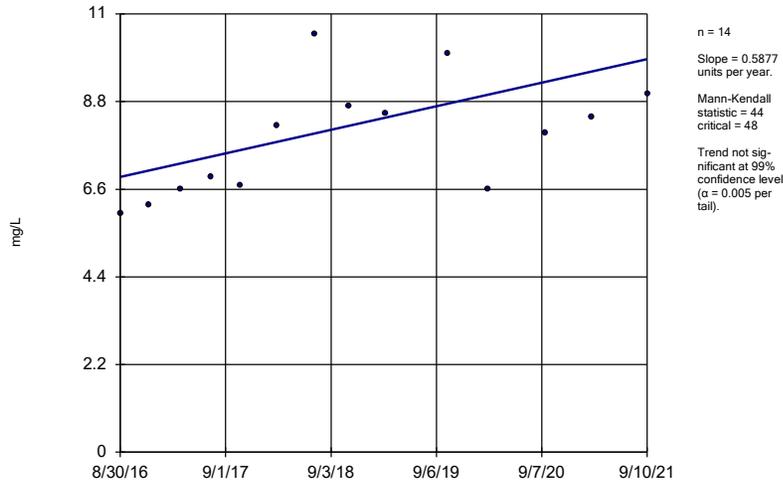


Constituent: Chloride, Total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator DGWC-8

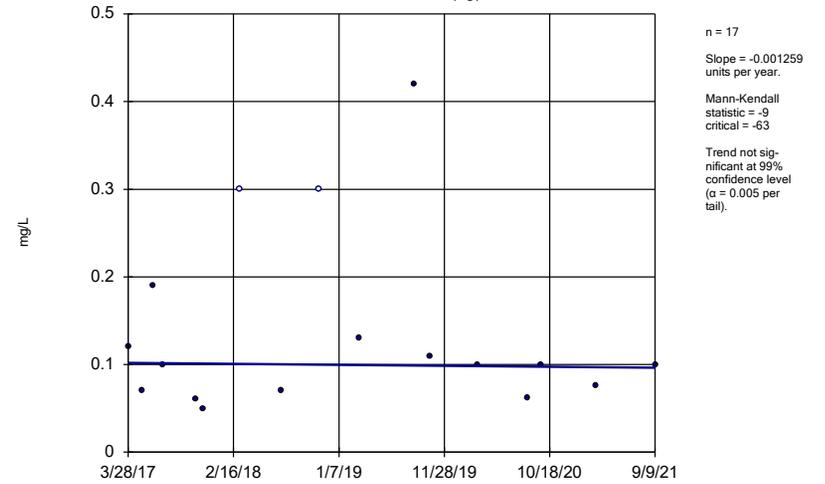


Sen's Slope Estimator
DGWC-9



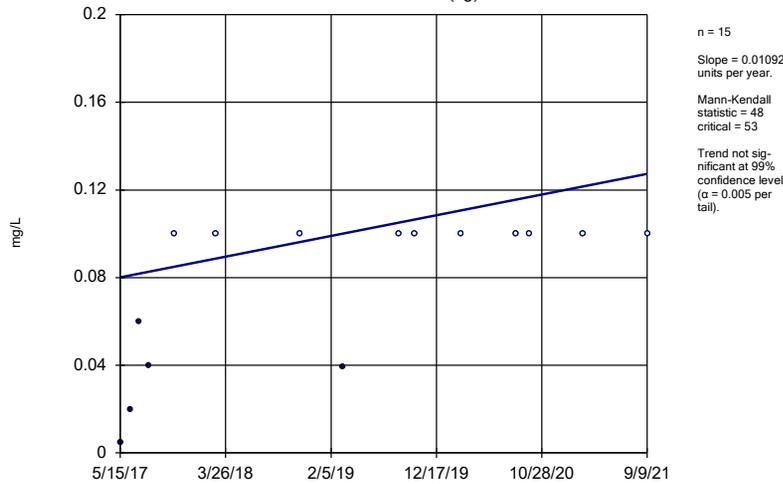
Constituent: Chloride, Total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWA-53 (bg)



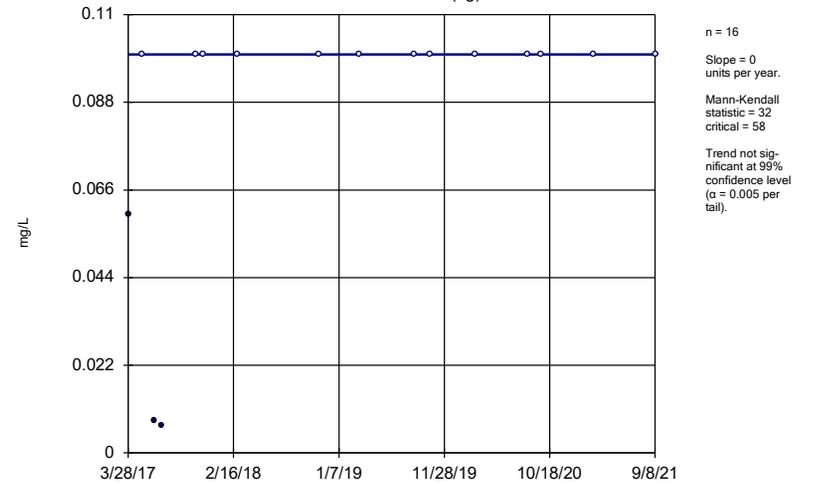
Constituent: Fluoride, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWA-70A (bg)



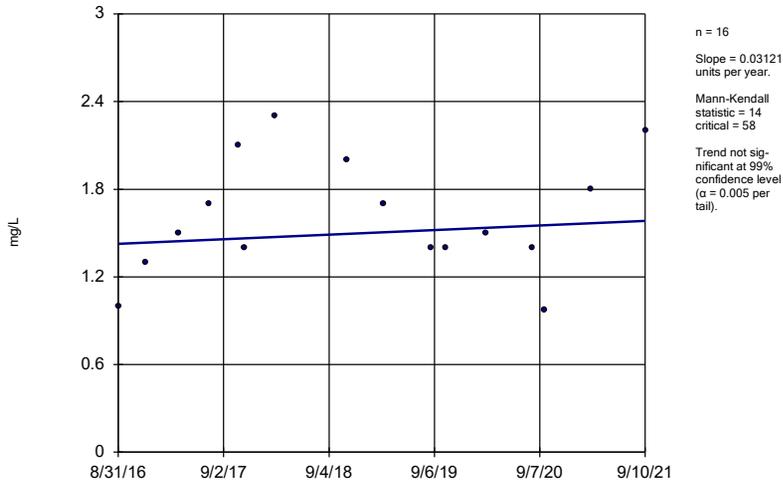
Constituent: Fluoride, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWA-71 (bg)



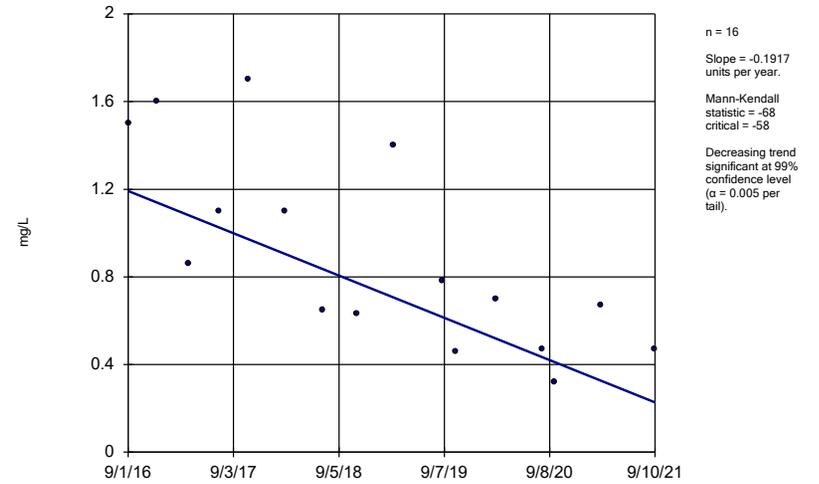
Constituent: Fluoride, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-10



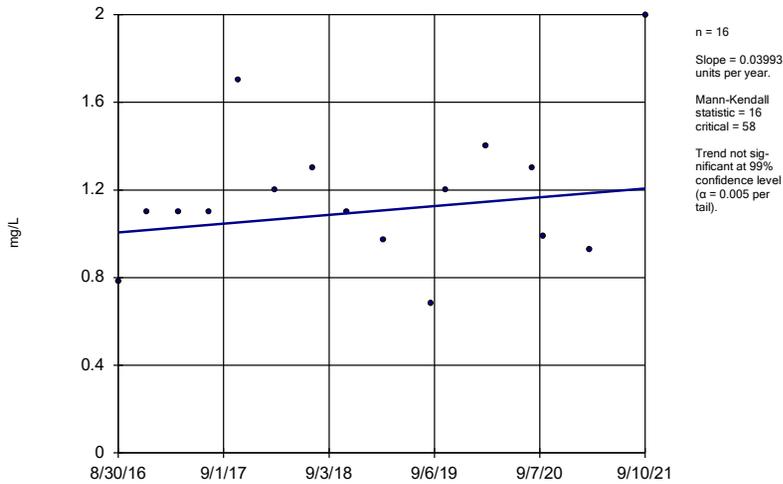
Constituent: Fluoride, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-48



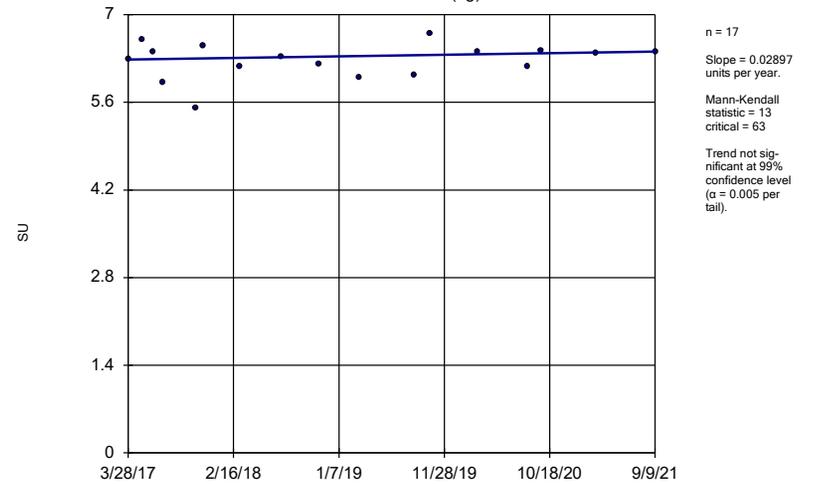
Constituent: Fluoride, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-9



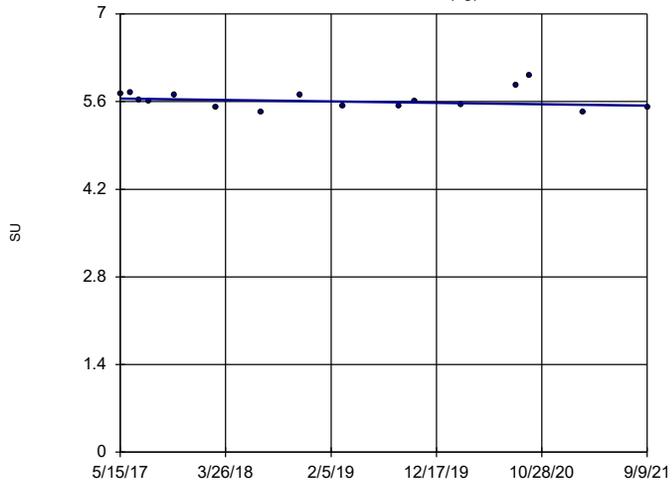
Constituent: Fluoride, total Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWA-53 (bg)



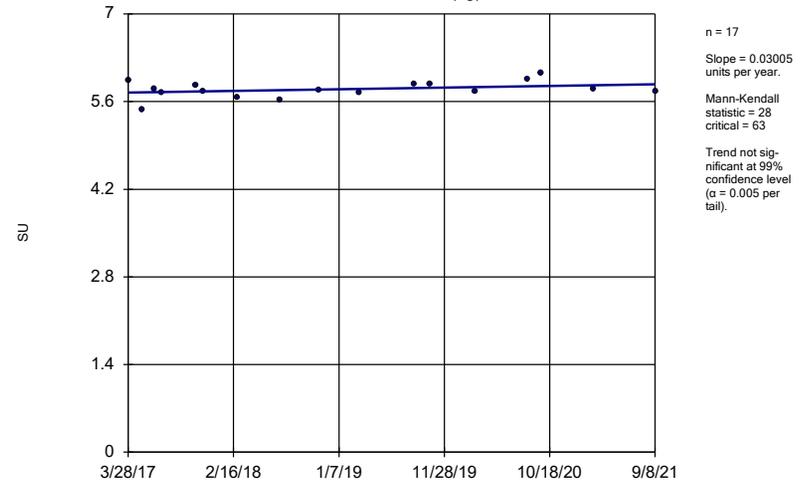
Constituent: pH, Field Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator DGWA-70A (bg)



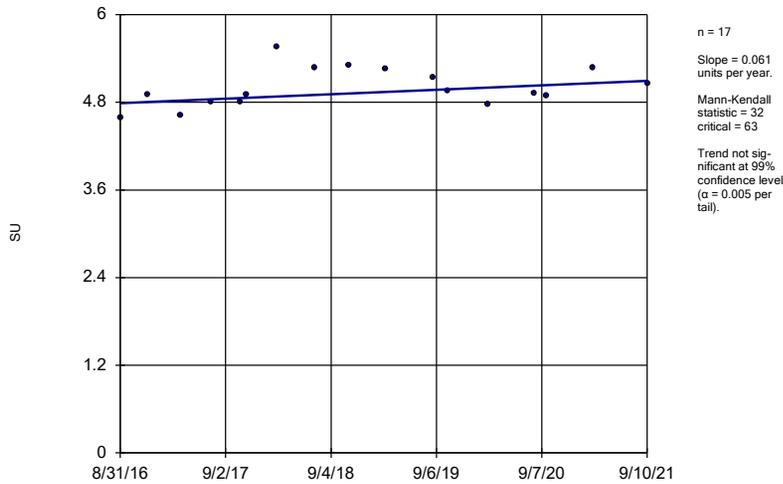
Constituent: pH, Field Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator DGWA-71 (bg)



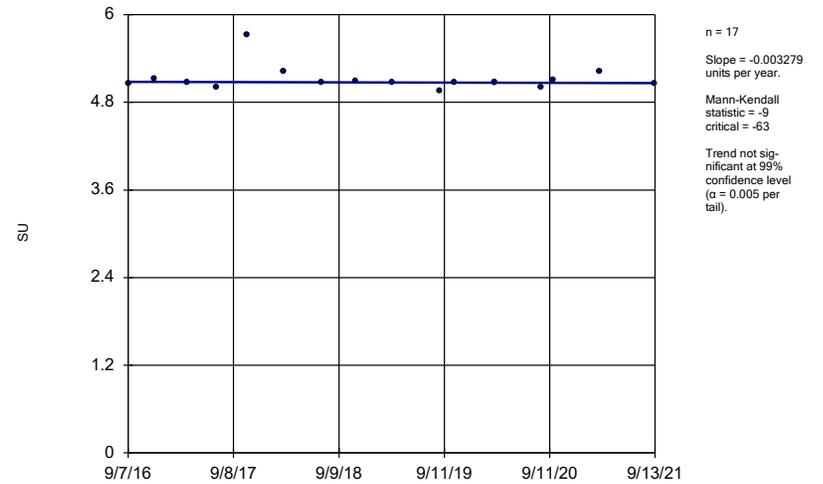
Constituent: pH, Field Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator DGWC-10



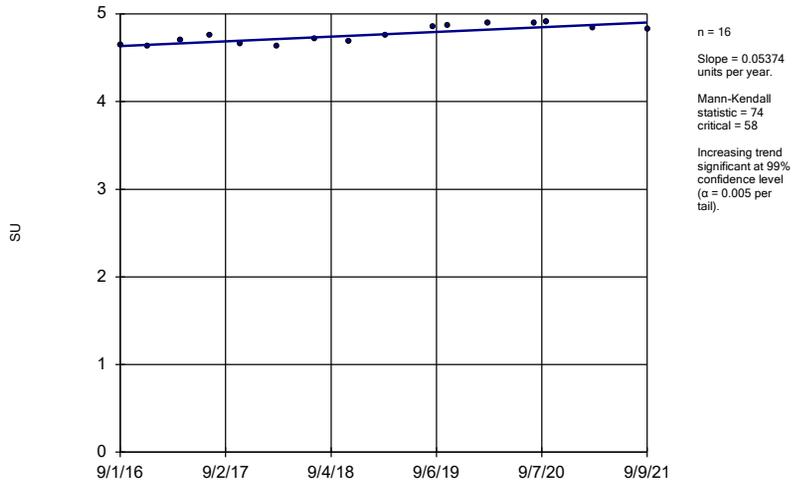
Constituent: pH, Field Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator DGWC-17



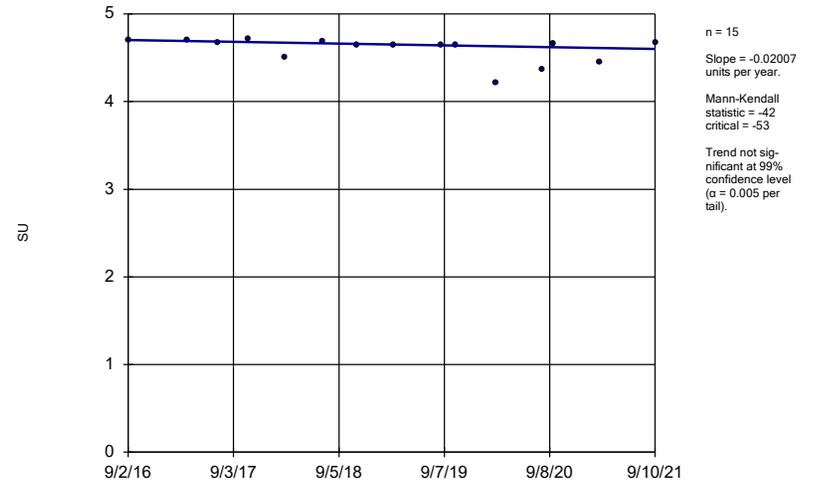
Constituent: pH, Field Analysis Run 2/25/2022 7:24 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-19



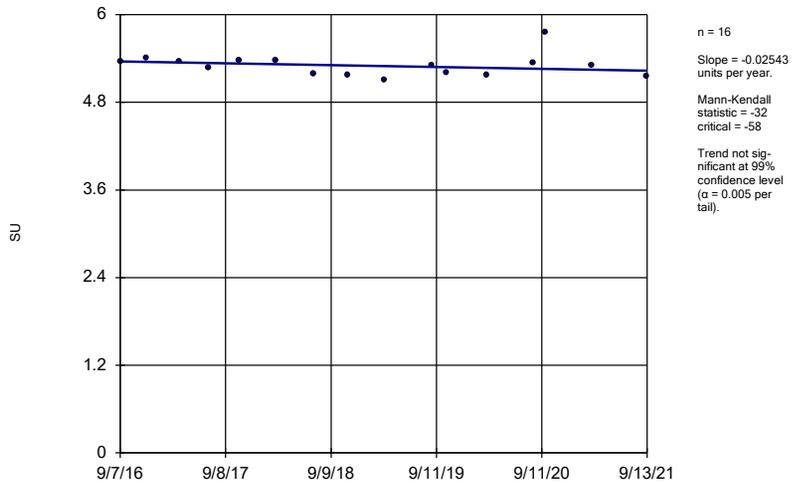
Constituent: pH, Field Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-20



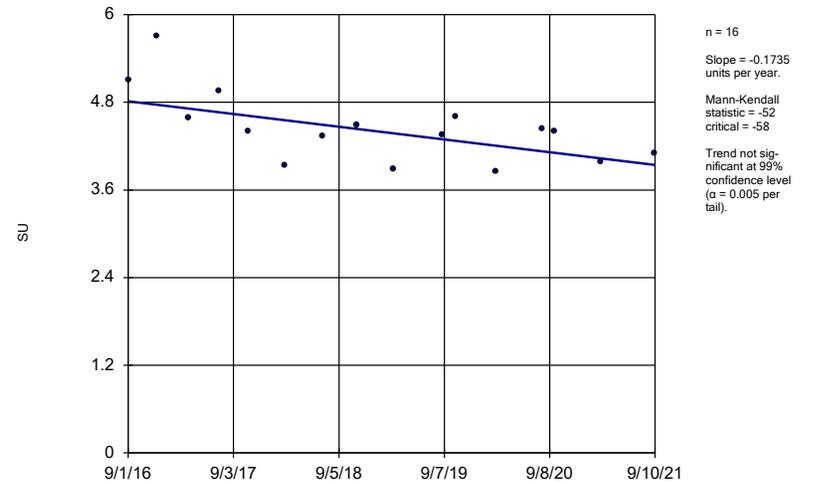
Constituent: pH, Field Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-42



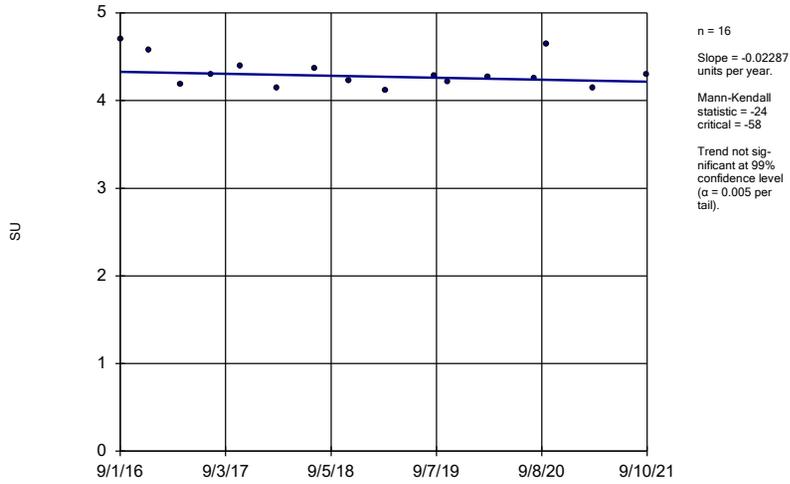
Constituent: pH, Field Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-47



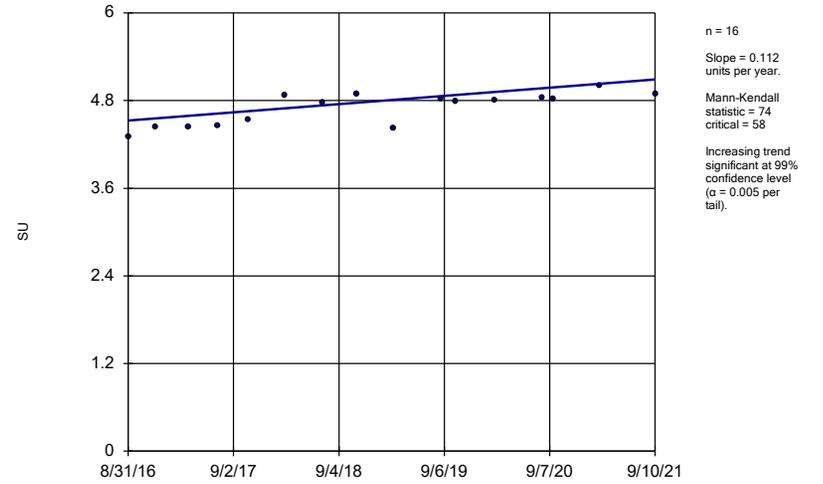
Constituent: pH, Field Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-48



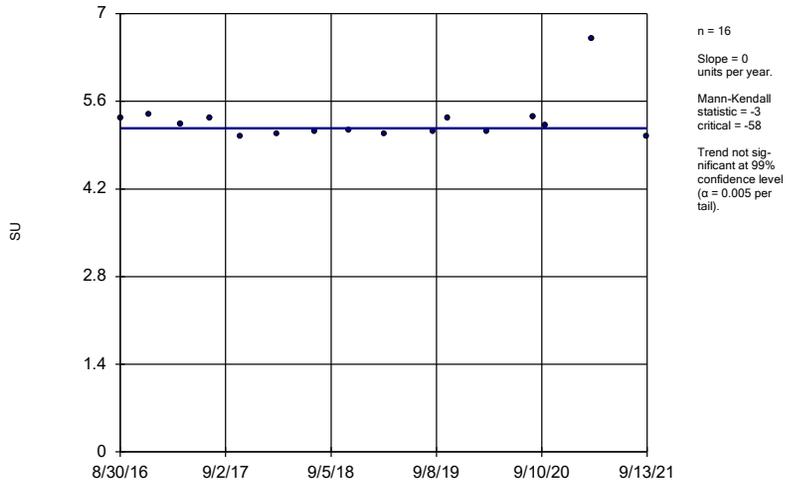
Constituent: pH, Field Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-5



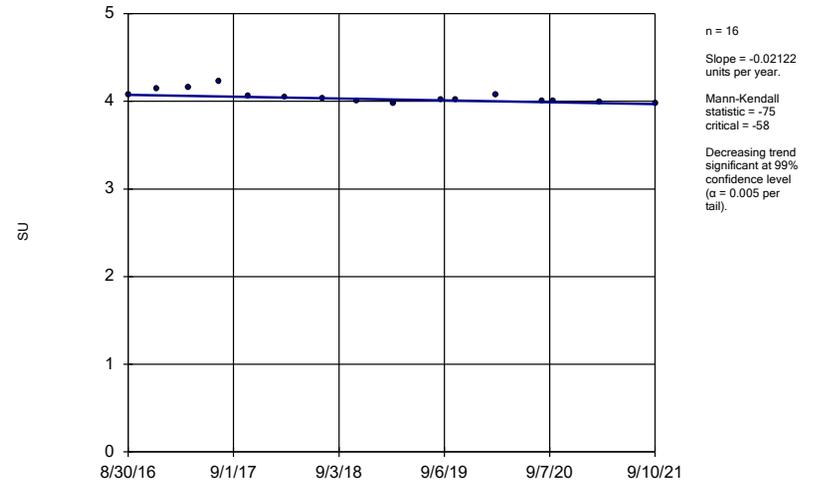
Constituent: pH, Field Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-8



Constituent: pH, Field Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

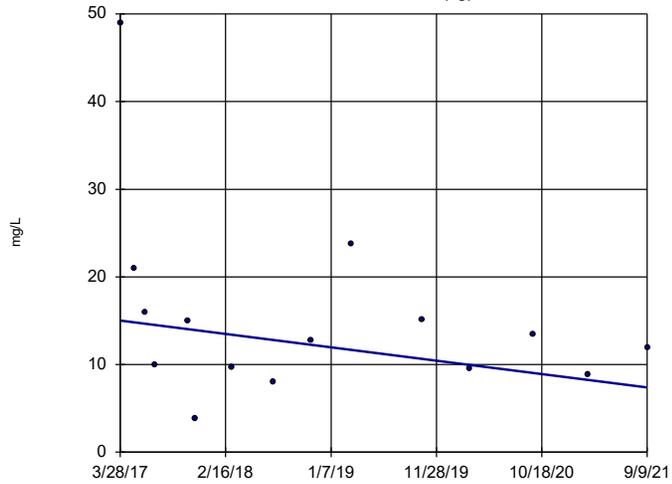
Sen's Slope Estimator
DGWC-9



Constituent: pH, Field Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWA-53 (bg)

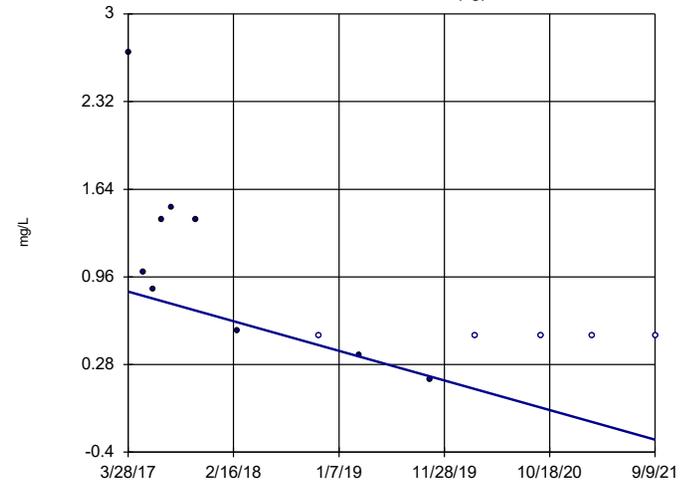


n = 15
 Slope = -1.708
 units per year.
 Mann-Kendall
 statistic = -31
 critical = -53
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Sulfate as SO4 Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWA-70A (bg)

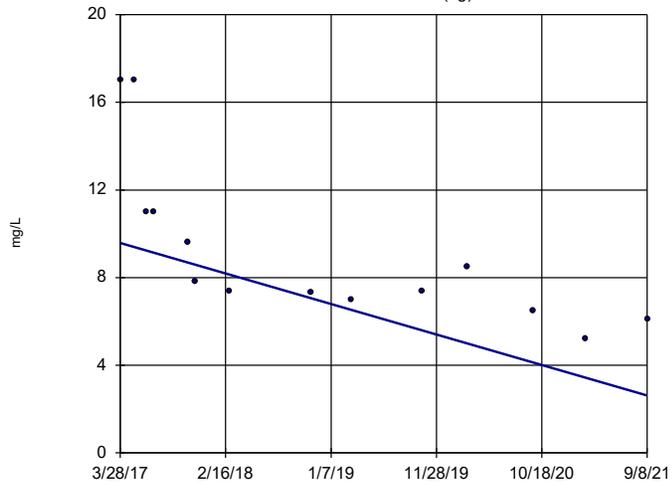


n = 14
 Slope = -0.2582
 units per year.
 Mann-Kendall
 statistic = -50
 critical = -48
 Decreasing trend
 significant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Sulfate as SO4 Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWA-71 (bg)

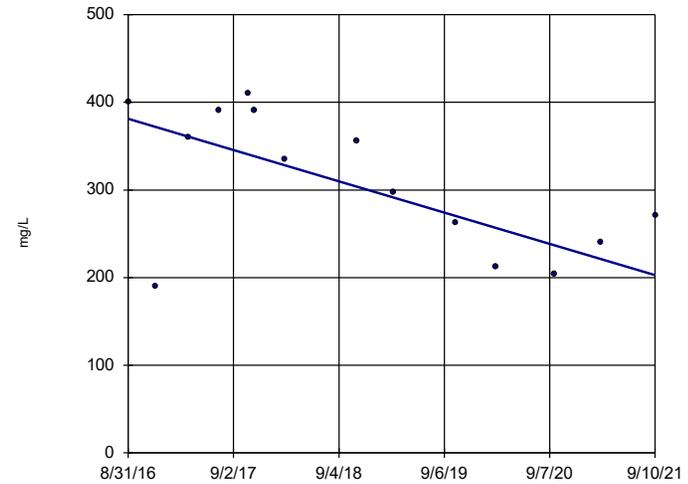


n = 14
 Slope = -1.564
 units per year.
 Mann-Kendall
 statistic = -72
 critical = -48
 Decreasing trend
 significant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Sulfate as SO4 Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

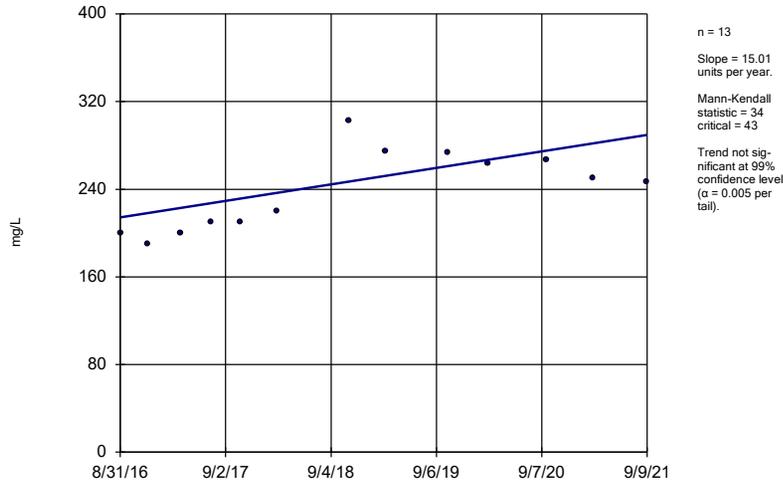
DGWC-10



n = 14
 Slope = -35.48
 units per year.
 Mann-Kendall
 statistic = -42
 critical = -48
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

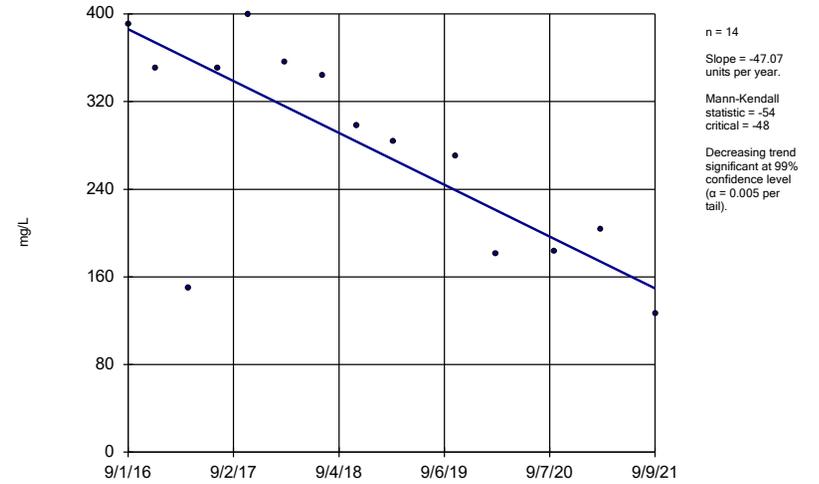
Constituent: Sulfate as SO4 Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
 Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-11



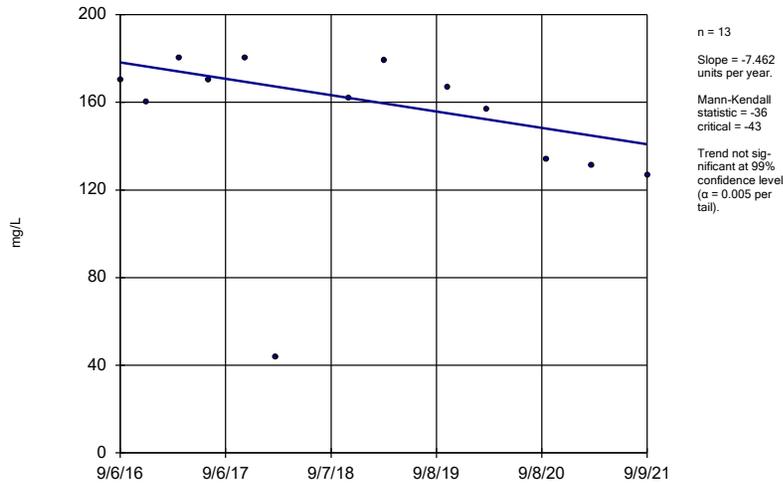
Constituent: Sulfate as SO4 Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-12



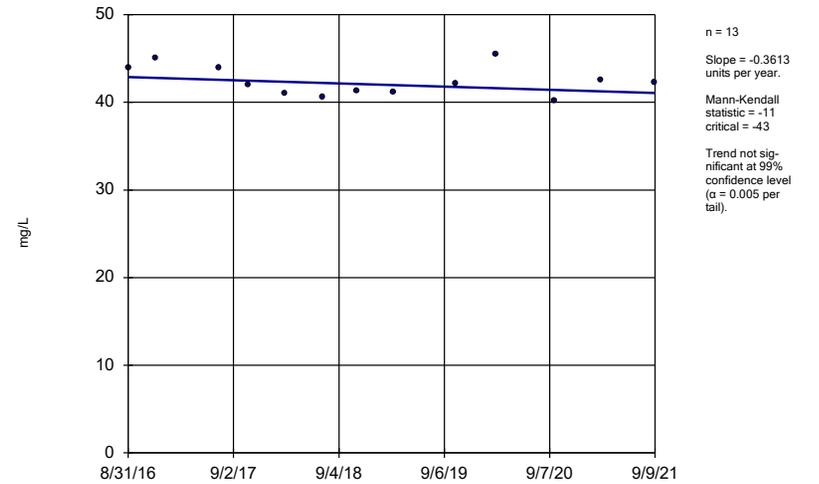
Constituent: Sulfate as SO4 Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-13



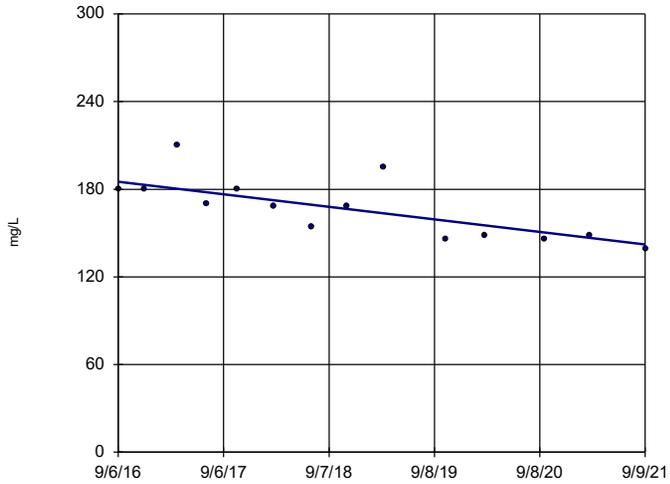
Constituent: Sulfate as SO4 Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-14



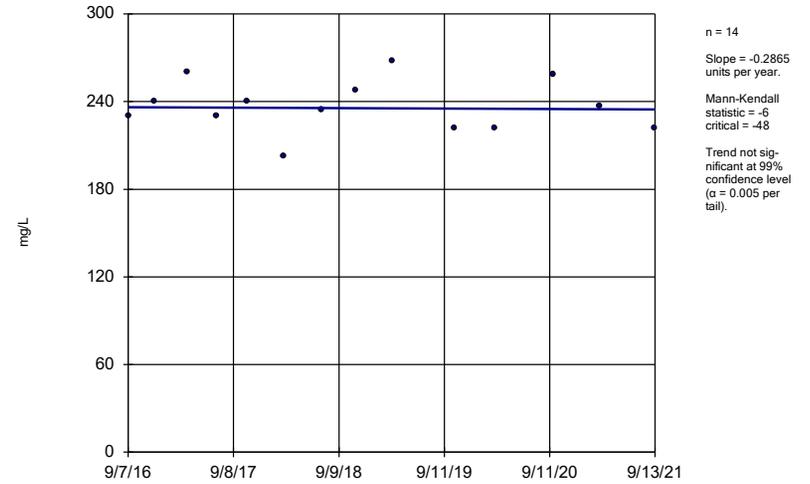
Constituent: Sulfate as SO4 Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-15



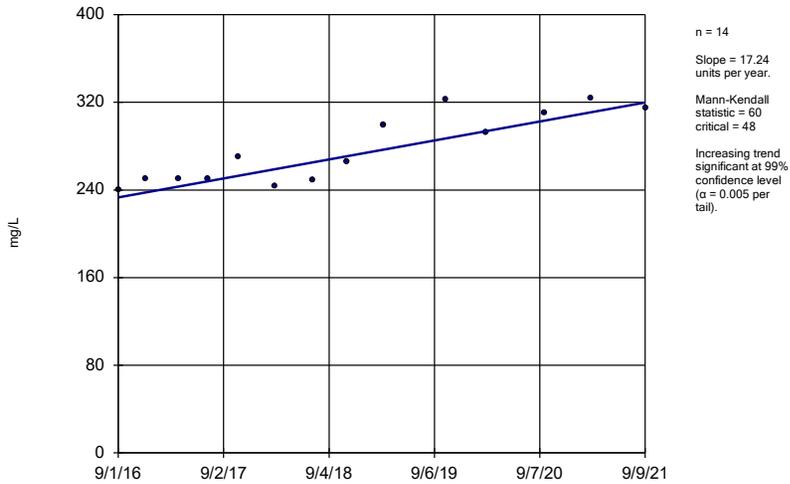
Constituent: Sulfate as SO4 Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-17



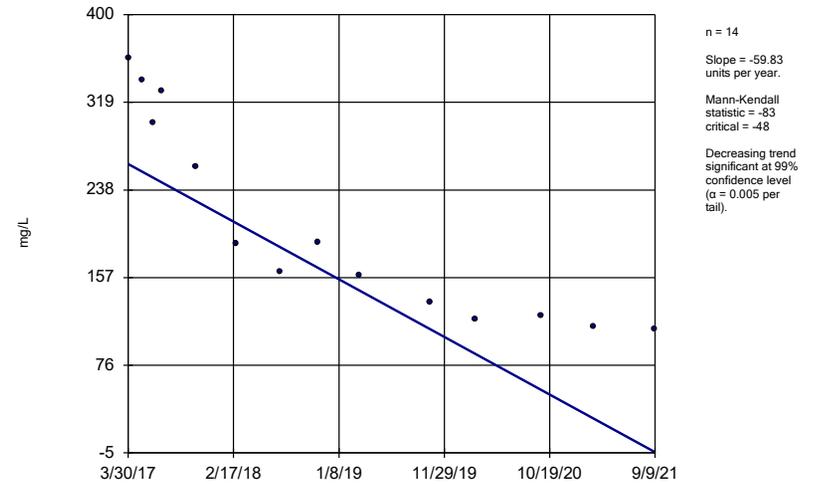
Constituent: Sulfate as SO4 Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-19



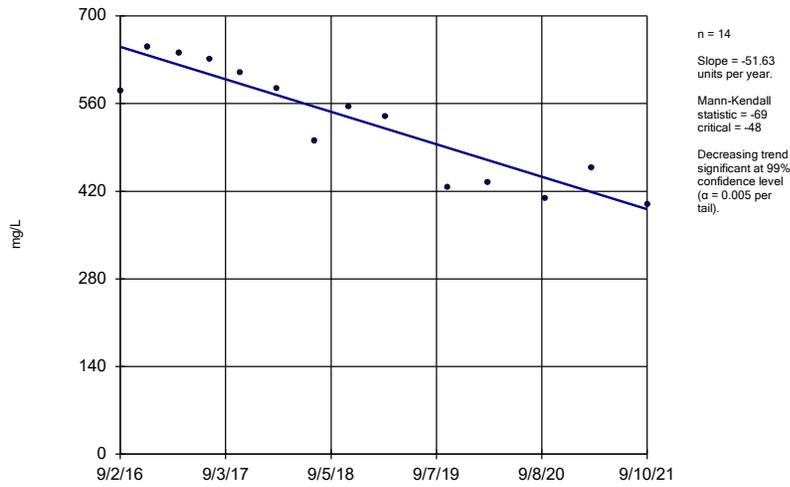
Constituent: Sulfate as SO4 Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-2



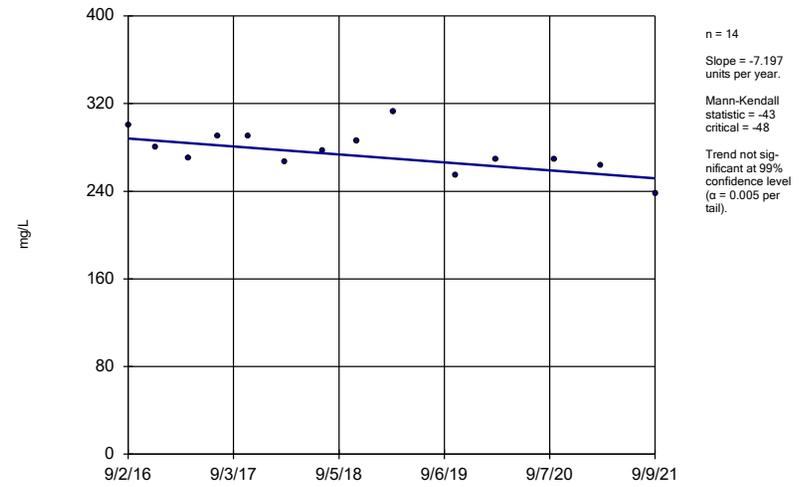
Constituent: Sulfate as SO4 Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-20

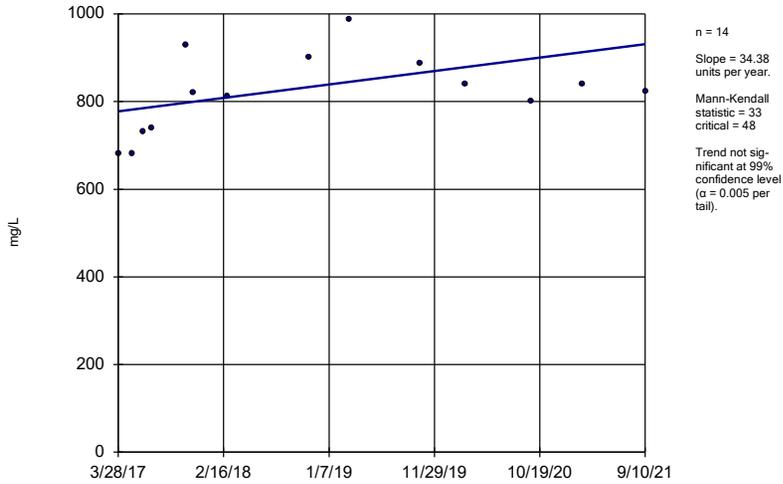


Constituent: Sulfate as SO4 Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-21

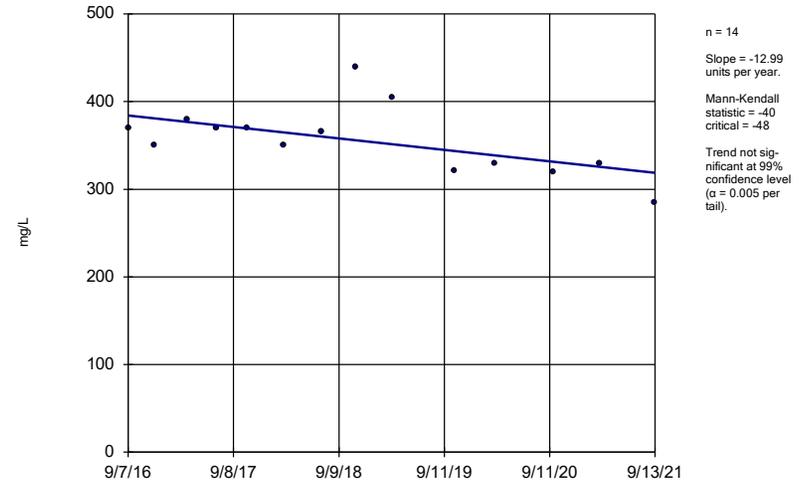


Sen's Slope Estimator
DGWC-4



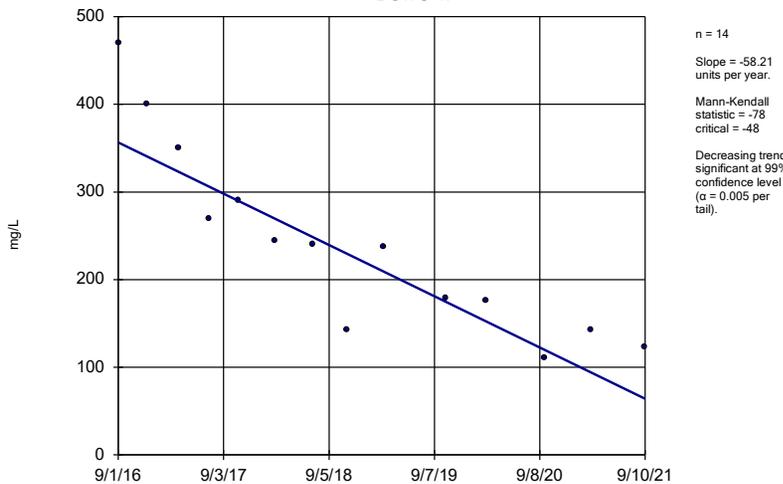
Constituent: Sulfate as SO4 Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-42



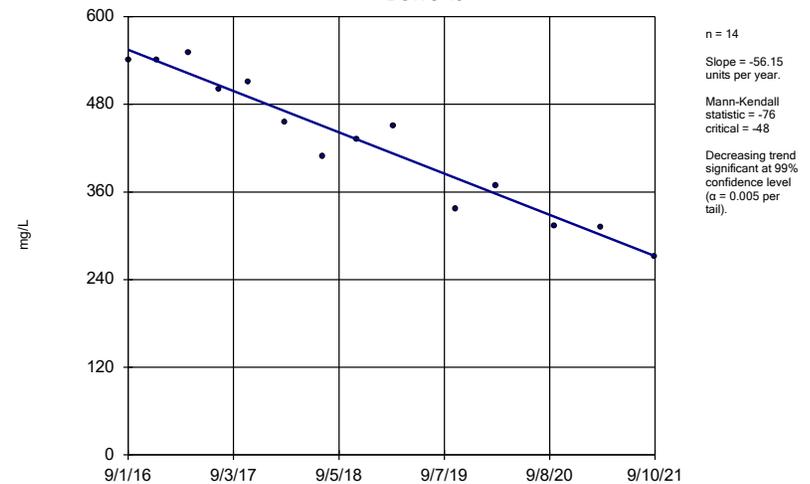
Constituent: Sulfate as SO4 Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-47



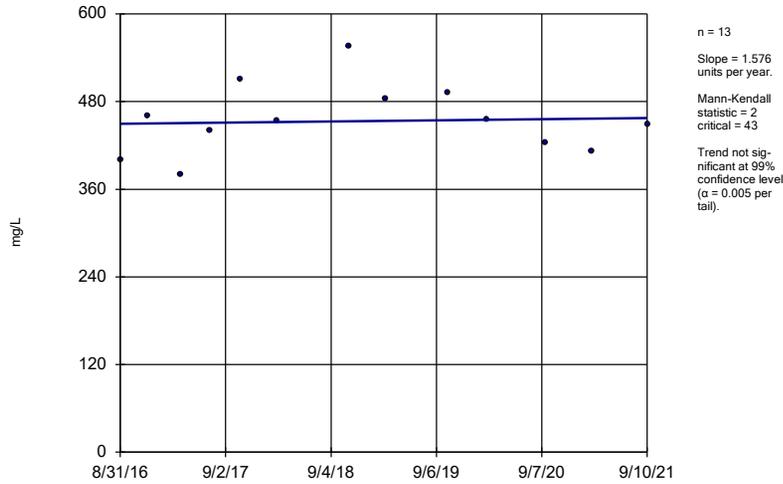
Constituent: Sulfate as SO4 Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-48

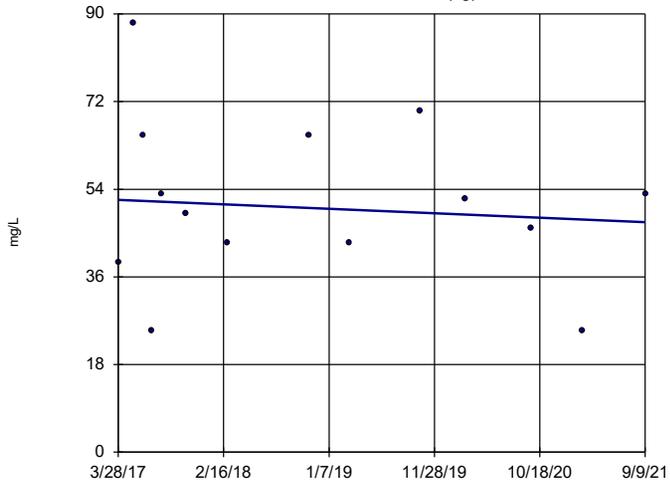


Constituent: Sulfate as SO4 Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-5



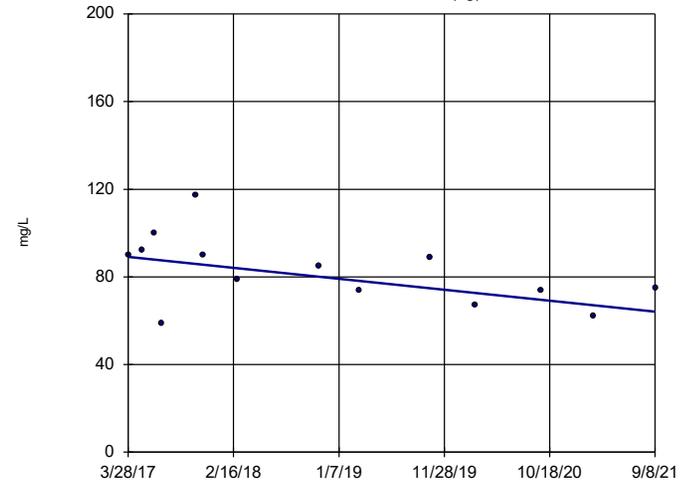
Sen's Slope Estimator
DGWA-70A (bg)



n = 14
Slope = -1.029
units per year.
Mann-Kendall
statistic = -7
critical = -48
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Tre
Plant McDonough Client: Southern Company Data: McDonough AP

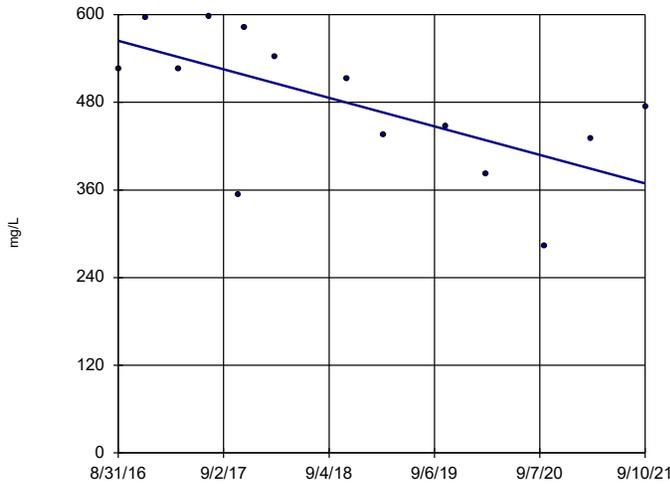
Sen's Slope Estimator
DGWA-71 (bg)



n = 14
Slope = -5.605
units per year.
Mann-Kendall
statistic = -39
critical = -48
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Tre
Plant McDonough Client: Southern Company Data: McDonough AP

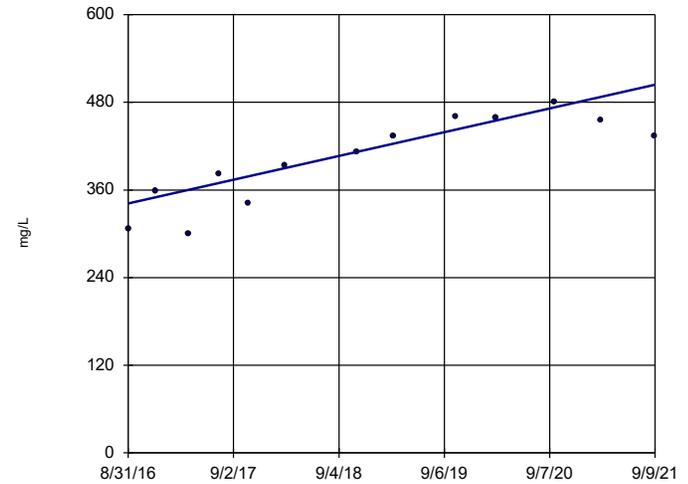
Sen's Slope Estimator
DGWC-10



n = 14
Slope = -38.88
units per year.
Mann-Kendall
statistic = -42
critical = -48
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Tre
Plant McDonough Client: Southern Company Data: McDonough AP

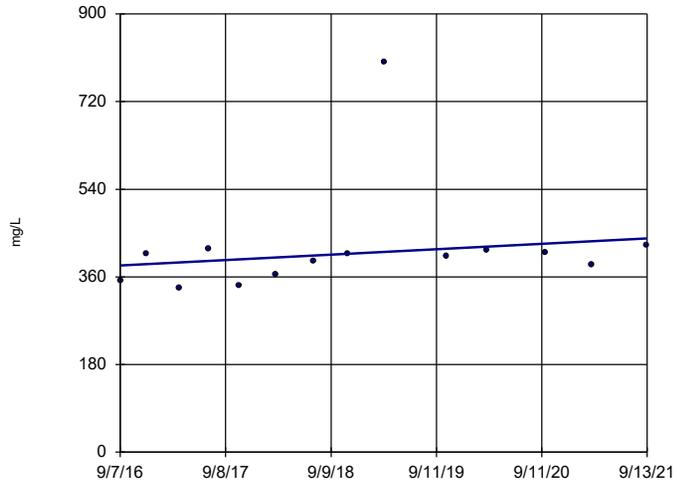
Sen's Slope Estimator
DGWC-11



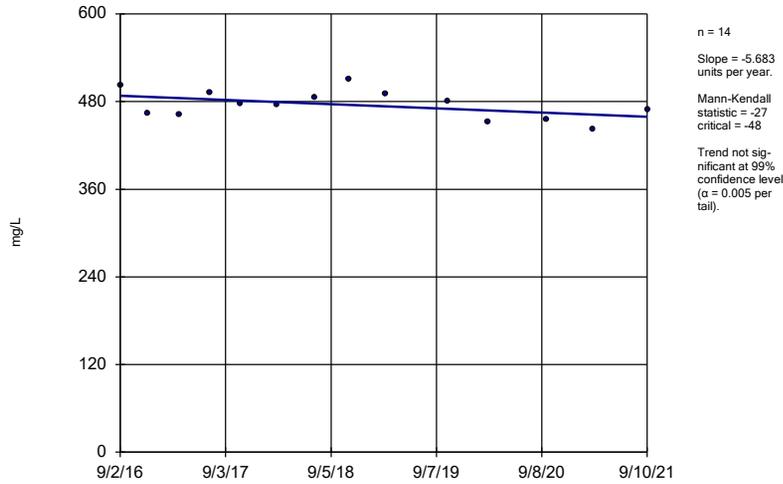
n = 13
Slope = 32.36
units per year.
Mann-Kendall
statistic = 53
critical = 43
Increasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Tre
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-17

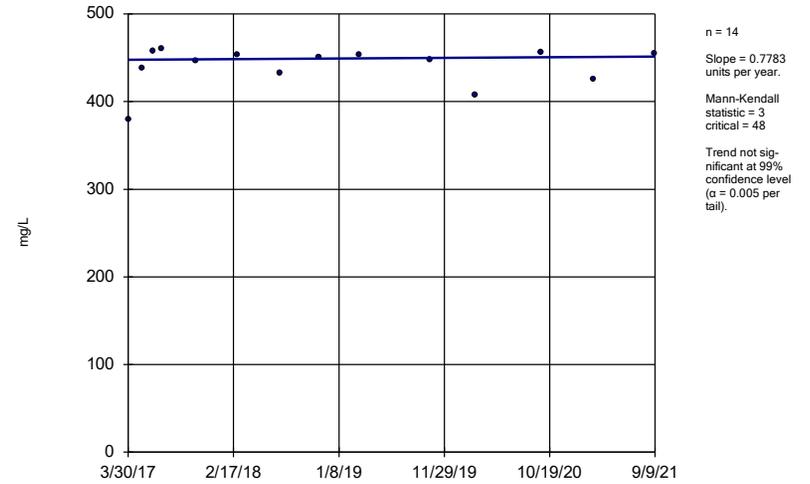


Sen's Slope Estimator
DGWC-22



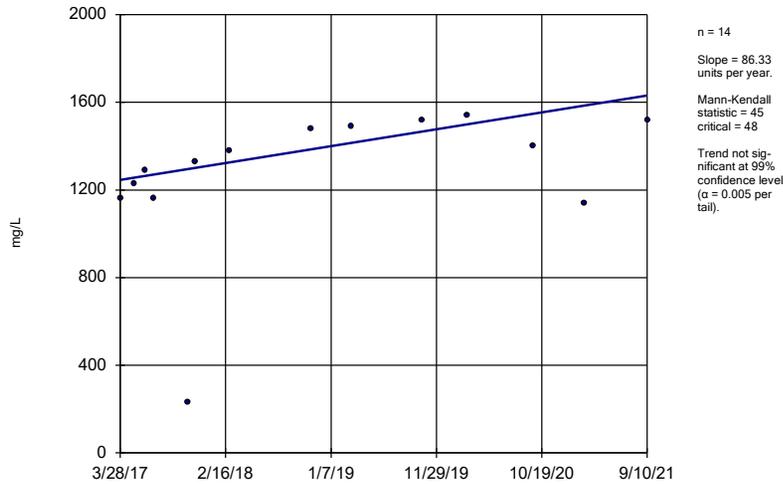
Constituent: Total Dissolved Solids [TDS] Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Tre
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-23



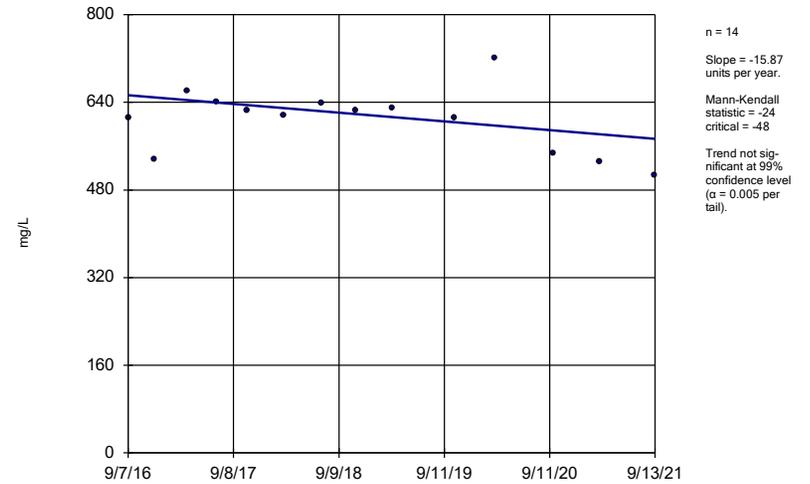
Constituent: Total Dissolved Solids [TDS] Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Tre
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-4



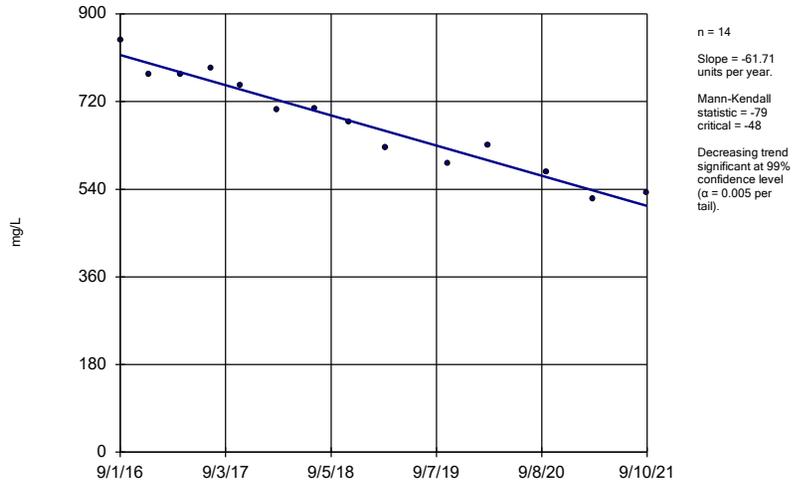
Constituent: Total Dissolved Solids [TDS] Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Tre
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-42



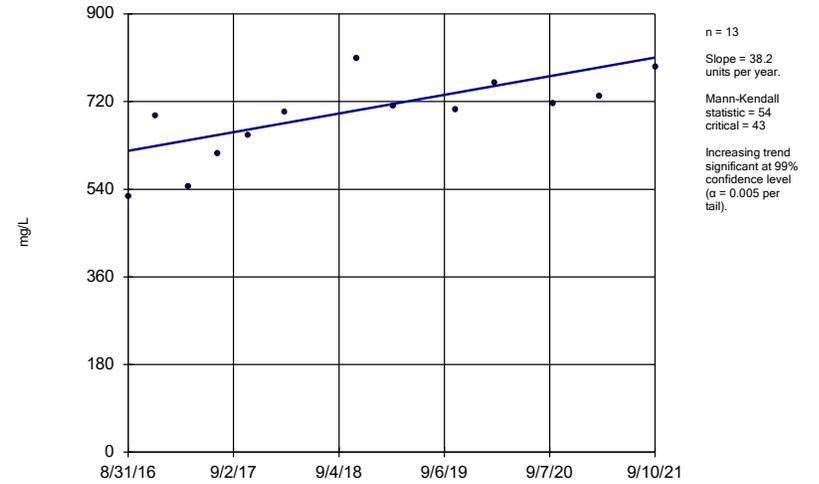
Constituent: Total Dissolved Solids [TDS] Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Tre
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-48



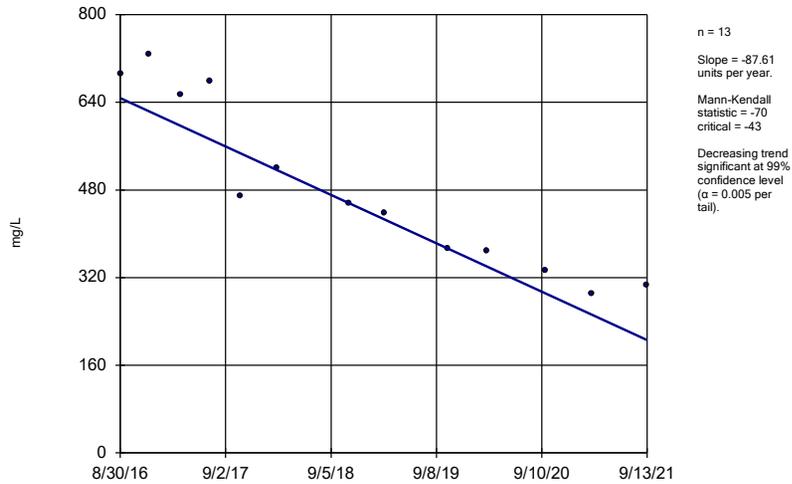
Constituent: Total Dissolved Solids [TDS] Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Tre
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-5



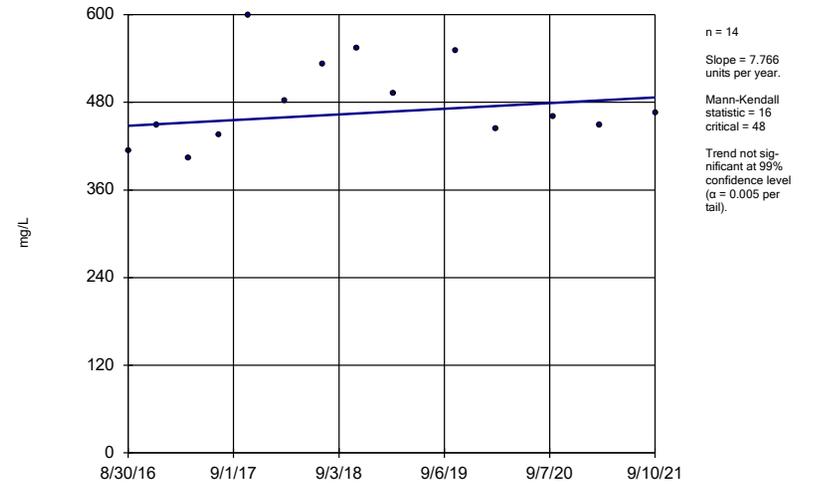
Constituent: Total Dissolved Solids [TDS] Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Tre
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-8



Constituent: Total Dissolved Solids [TDS] Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Tre
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-9



Constituent: Total Dissolved Solids [TDS] Analysis Run 2/25/2022 7:25 AM View: AP 234 Appendix III Tre
Plant McDonough Client: Southern Company Data: McDonough AP

FIGURE F.

Upper Tolerance Limits Summary Table

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 1:23 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>Bg Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Antimony (mg/L)	n/a	0.003	n/a	n/a	n/a	44	n/a	n/a	79.55	n/a	n/a	0.1047	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.005	n/a	n/a	n/a	44	n/a	n/a	81.82	n/a	n/a	0.1047	NP Inter(NDs)
Barium (mg/L)	n/a	0.19	n/a	n/a	n/a	44	n/a	n/a	0	n/a	n/a	0.1047	NP Inter(normality)
Beryllium (mg/L)	n/a	0.0009	n/a	n/a	n/a	45	n/a	n/a	62.22	n/a	n/a	0.09944	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.0005	n/a	n/a	n/a	44	n/a	n/a	93.18	n/a	n/a	0.1047	NP Inter(NDs)
Chromium (mg/L)	n/a	0.005	n/a	n/a	n/a	43	n/a	n/a	60.47	n/a	n/a	0.1102	NP Inter(NDs)
Cobalt (mg/L)	n/a	0.0322	n/a	n/a	n/a	44	n/a	n/a	36.36	n/a	n/a	0.1047	NP Inter(normality)
Combined Radium 226 + 228 (pCi/L)	n/a	5.605	n/a	n/a	n/a	46	1.041	0.3523	0	None	x ^(1/3)	0.05	Inter
Fluoride, total (mg/L)	n/a	0.42	n/a	n/a	n/a	48	n/a	n/a	52.08	n/a	n/a	0.08526	NP Inter(NDs)
Lead (mg/L)	n/a	0.001	n/a	n/a	n/a	44	n/a	n/a	79.55	n/a	n/a	0.1047	NP Inter(NDs)
Lithium (mg/L)	n/a	0.03	n/a	n/a	n/a	44	n/a	n/a	36.36	n/a	n/a	0.1047	NP Inter(normality)
Mercury (mg/L)	n/a	0.0002	n/a	n/a	n/a	44	n/a	n/a	86.36	n/a	n/a	0.1047	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.0409	n/a	n/a	n/a	44	n/a	n/a	63.64	n/a	n/a	0.1047	NP Inter(NDs)
Selenium (mg/L)	n/a	0.005	n/a	n/a	n/a	44	n/a	n/a	100	n/a	n/a	0.1047	NP Inter(NDs)
Thallium (mg/L)	n/a	0.001	n/a	n/a	n/a	44	n/a	n/a	95.45	n/a	n/a	0.1047	NP Inter(NDs)

FIGURE G.

PLANT MCDONOUGH ASH POND 1 GWPS TABLE - FEDERAL				
Constituent Name	MCL	CCR-Rule Specified	Background Limit	GWPS
Antimony, Total (mg/L)	0.006		0.003	0.006
Arsenic, Total (mg/L)	0.01		0.005	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		5.61	5.61
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.

PLANT MCDONOUGH ASH POND 1 GWPS TABLE - STATE				
Constituent Name	MCL	CCR-Rule Specified	Background Limit	GWPS
Antimony, Total (mg/L)	0.006		0.003	0.006
Arsenic, Total (mg/L)	0.01		0.005	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		5.61	5.61
Fluoride, Total (mg/L)	4		0.42	4
Lead, Total (mg/L)		0.015	0.001	0.001
Lithium, Total (mg/L)		0.04	0.03	0.03
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)		0.1	0.041	0.041
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 I.

Federal Confidence Intervals - Significant Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	DGWC-9	0.03003	0.0172	0.01	Yes	15	0.02361	0.009468	6.667	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-10	0.009208	0.005678	0.004	Yes	14	0.007443	0.002492	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-47	0.01281	0.009018	0.004	Yes	15	0.01091	0.002797	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-48	0.009234	0.007526	0.004	Yes	15	0.00838	0.00126	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-5	0.008688	0.006197	0.004	Yes	14	0.007443	0.001758	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-9	0.005896	0.004931	0.004	Yes	15	0.005413	0.000712	0	None	No	0.01	Param.
Beryllium (mg/L)	B-93	0.01805	0.006467	0.004	Yes	5	0.01378	0.003942	0	None	x^3	0.01	Param.
Cobalt (mg/L)	DGWC-10	0.1888	0.1413	0.032	Yes	14	0.1537	0.04866	0	None	x^4	0.01	Param.
Cobalt (mg/L)	DGWC-19	0.05331	0.04925	0.032	Yes	15	0.05128	0.002996	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-20	0.6394	0.4659	0.032	Yes	15	0.5575	0.1355	0	None	x^(1/3)	0.01	Param.
Cobalt (mg/L)	DGWC-47	0.3858	0.253	0.032	Yes	15	0.3194	0.09792	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-48	0.5073	0.402	0.032	Yes	15	0.4547	0.07771	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-8	0.0878	0.04412	0.032	Yes	14	0.06596	0.03083	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-9	0.201	0.1437	0.032	Yes	15	0.1724	0.04231	0	None	No	0.01	Param.
Cobalt (mg/L)	B-56	0.05421	0.03629	0.032	Yes	4	0.04525	0.003948	0	None	No	0.01	Param.
Cobalt (mg/L)	B-63	0.0547	0.0353	0.032	Yes	5	0.045	0.005788	0	None	No	0.01	Param.
Cobalt (mg/L)	B-93	0.069	0.0594	0.032	Yes	5	0.0642	0.002864	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-104D	21.26	6.892	5.61	Yes	4	14.08	3.164	0	None	No	0.01	Param.
Lithium (mg/L)	DGWC-47	0.07457	0.05787	0.04	Yes	15	0.06622	0.01232	0	None	No	0.01	Param.
Lithium (mg/L)	DGWC-48	0.1269	0.106	0.04	Yes	15	0.1165	0.01544	0	None	No	0.01	Param.
Selenium (mg/L)	DGWC-9	0.1308	0.05207	0.05	Yes	15	0.09144	0.0581	0	None	No	0.01	Param.

Federal Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	B-100	0.001954	0.001046	0.006	No	4	0.00225	0.0008813	50	Kaplan-Meier	No	0.01	Param.
Antimony (mg/L)	B-102D	0.003	0.0016	0.006	No	4	0.00265	0.0007	75	Kaplan-Meier	No	0.0625	NP (NDs)
Antimony (mg/L)	B-104D	0.001068	0.0003847	0.006	No	4	0.00126	0.001169	25	Kaplan-Meier	x^(1/3)	0.01	Param.
Antimony (mg/L)	B-111D	0.003	0.0006	0.006	No	4	0.0024	0.0012	75	Kaplan-Meier	No	0.0625	NP (NDs)
Antimony (mg/L)	B-62	0.003	0.00046	0.006	No	7	0.002637	0.00096	85.71	Kaplan-Meier	No	0.008	NP (NDs)
Antimony (mg/L)	B-63	0.003	0.00066	0.006	No	4	0.002415	0.00117	75	None	No	0.0625	NP (NDs)
Antimony (mg/L)	B-77	0.003	0.00036	0.006	No	6	0.001737	0.001387	50	None	No	0.0155	NP (normality)
Antimony (mg/L)	B-93	0.003	0.0014	0.006	No	4	0.0026	0.0008	75	None	No	0.0625	NP (NDs)
Antimony (mg/L)	DGWC-12	0.003	0.0003	0.006	No	16	0.002831	0.000675	93.75	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-14	0.003	0.0011	0.006	No	15	0.002873	0.0004906	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-15	0.003	0.00073	0.006	No	15	0.002671	0.0008724	86.67	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-17	0.003	0.00045	0.006	No	15	0.00283	0.0006584	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-19	0.003	0.00036	0.006	No	15	0.002824	0.0006816	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-2	0.003	0.0006	0.006	No	15	0.00284	0.0006197	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-21	0.003	0.0013	0.006	No	15	0.002887	0.0004389	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-23	0.003	0.0007	0.006	No	15	0.002847	0.0005939	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-4	0.003	0.0008	0.006	No	14	0.002491	0.001014	78.57	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-47	0.003	0.0012	0.006	No	15	0.00288	0.0004648	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-48	0.003	0.0018	0.006	No	15	0.002746	0.0007213	86.67	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-5	0.003	0.0015	0.006	No	14	0.002701	0.0007935	85.71	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-8	0.003	0.00046	0.006	No	14	0.002819	0.0006788	92.86	None	No	0.01	NP (NDs)
Arsenic (mg/L)	B-104D	0.002881	0.001519	0.01	No	4	0.0036	0.001635	50	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	B-111D	0.003281	0.001919	0.01	No	4	0.0038	0.001407	50	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	B-56	0.0047	0.003	0.01	No	4	0.0035	0.0008042	0	None	No	0.0625	NP (normality)
Arsenic (mg/L)	B-77	0.002882	0.001869	0.01	No	6	0.003233	0.001409	33.33	Kaplan-Meier	ln(x)	0.01	Param.
Arsenic (mg/L)	B-93	0.003589	0.0004108	0.01	No	4	0.0035	0.001824	50	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	DGWC-10	0.00717	0.003601	0.01	No	14	0.005386	0.002519	7.143	None	No	0.01	Param.
Arsenic (mg/L)	DGWC-12	0.005	0.00063	0.01	No	16	0.004452	0.001498	87.5	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-14	0.005	0.00039	0.01	No	15	0.004693	0.00119	93.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-15	0.005	0.0013	0.01	No	15	0.004169	0.001726	80	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-17	0.005	0.0008	0.01	No	15	0.003395	0.002042	60	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-19	0.002035	0.0009847	0.01	No	15	0.002317	0.001551	20	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	DGWC-2	0.005	0.0025	0.01	No	15	0.004566	0.00118	86.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-20	0.01666	0.007499	0.01	No	15	0.01208	0.006761	0	None	No	0.01	Param.
Arsenic (mg/L)	DGWC-22	0.005	0.001	0.01	No	15	0.004733	0.001033	93.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-4	0.005	0.0008	0.01	No	14	0.004057	0.001875	78.57	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-42	0.005	0.0011	0.01	No	15	0.004453	0.001445	86.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-47	0.002647	0.001328	0.01	No	15	0.002627	0.001504	20	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	DGWC-48	0.005	0.0008	0.01	No	15	0.003206	0.002005	53.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-5	0.0118	0.002817	0.01	No	14	0.008443	0.009971	14.29	None	x^(1/3)	0.01	Param.
Arsenic (mg/L)	DGWC-8	0.005	0.0012	0.01	No	14	0.00369	0.001839	64.29	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-9	0.03003	0.0172	0.01	Yes	15	0.02361	0.009468	6.667	None	No	0.01	Param.
Barium (mg/L)	B-100	0.022	0.015	2	No	4	0.02	0.003367	0	None	No	0.0625	NP (selected)
Barium (mg/L)	B-102D	0.02571	0.01829	2	No	4	0.022	0.001633	0	None	No	0.01	Param.
Barium (mg/L)	B-104D	0.026	0.021	2	No	4	0.0225	0.00238	0	None	No	0.0625	NP (normality)
Barium (mg/L)	B-111D	0.05204	0.01546	2	No	4	0.03375	0.008057	0	None	No	0.01	Param.
Barium (mg/L)	B-56	0.03185	0.02315	2	No	4	0.0275	0.001915	0	None	No	0.01	Param.
Barium (mg/L)	B-62	0.02758	0.01985	2	No	7	0.02371	0.003251	0	None	No	0.01	Param.
Barium (mg/L)	B-63	0.03208	0.01592	2	No	4	0.024	0.003559	0	None	No	0.01	Param.
Barium (mg/L)	B-66	0.01942	0.01508	2	No	4	0.01725	0.0009574	0	None	No	0.01	Param.
Barium (mg/L)	B-77	0.1255	0.08983	2	No	6	0.1077	0.01299	0	None	No	0.01	Param.

Federal Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	B-82	0.03301	0.01899	2	No	5	0.026	0.004183	0	None	No	0.01	Param.
Barium (mg/L)	B-83	0.05537	0.02029	2	No	5	0.0358	0.01158	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	B-88	0.02418	-0.01405	2	No	4	0.02025	0.002872	0	None	x^5	0.01	Param.
Barium (mg/L)	B-93	0.01892	0.01458	2	No	4	0.01675	0.0009574	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-10	0.02962	0.02305	2	No	14	0.02634	0.004637	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-11	0.06644	0.05633	2	No	14	0.06139	0.007138	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-12	0.03199	0.02415	2	No	16	0.02824	0.006231	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	DGWC-13	0.03292	0.02732	2	No	14	0.02908	0.007369	7.143	None	x^3	0.01	Param.
Barium (mg/L)	DGWC-14	0.06261	0.05787	2	No	15	0.06024	0.003493	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-15	0.05073	0.0443	2	No	15	0.04751	0.004744	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-17	0.05635	0.04167	2	No	15	0.04901	0.01083	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-19	0.02541	0.02177	2	No	15	0.02359	0.002686	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-2	0.02268	0.02132	2	No	15	0.022	0.001	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-20	0.01537	0.009179	2	No	15	0.01227	0.004566	6.667	None	No	0.01	Param.
Barium (mg/L)	DGWC-21	0.0272	0.024	2	No	15	0.02596	0.001505	0	None	No	0.01	NP (normality)
Barium (mg/L)	DGWC-22	0.03773	0.03193	2	No	15	0.03483	0.004281	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-23	0.0236	0.01844	2	No	15	0.02113	0.004092	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	DGWC-4	0.03617	0.0322	2	No	14	0.03419	0.002802	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-42	0.0205	0.01622	2	No	15	0.01836	0.003153	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-47	0.01975	0.01597	2	No	15	0.01786	0.002794	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-48	0.01436	0.01298	2	No	15	0.01367	0.001016	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-5	0.01834	0.01649	2	No	13	0.01742	0.001247	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-8	0.03806	0.02666	2	No	14	0.03236	0.008048	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-9	0.01623	0.01484	2	No	15	0.01553	0.00103	0	None	No	0.01	Param.
Beryllium (mg/L)	B-100	0.0006113	0.0002587	0.004	No	4	0.000435	0.00007767	0	None	No	0.01	Param.
Beryllium (mg/L)	B-102D	0.001543	0.0009569	0.004	No	4	0.00125	0.0001291	0	None	No	0.01	Param.
Beryllium (mg/L)	B-104D	0.001785	0.0009153	0.004	No	4	0.00135	0.0001915	0	None	No	0.01	Param.
Beryllium (mg/L)	B-56	0.001385	0.001015	0.004	No	4	0.0012	0.00008165	0	None	No	0.01	Param.
Beryllium (mg/L)	B-62	0.0005	0.000078	0.004	No	8	0.0002085	0.000181	25	None	No	0.004	NP (normality)
Beryllium (mg/L)	B-63	0.0004803	0.0003037	0.004	No	6	0.00041	0.00007797	16.67	Kaplan-Meier	No	0.01	Param.
Beryllium (mg/L)	B-77	0.0001464	0.00004658	0.004	No	6	0.0002267	0.0002142	33.33	Kaplan-Meier	ln(x)	0.01	Param.
Beryllium (mg/L)	B-82	0.001807	0.001073	0.004	No	5	0.00144	0.0002191	0	None	No	0.01	Param.
Beryllium (mg/L)	B-83	0.0006999	0.0001718	0.004	No	5	0.000404	0.000173	0	None	sqrt(x)	0.01	Param.
Beryllium (mg/L)	B-88	0.005	0.00063	0.004	No	4	0.002008	0.00202	0	None	No	0.0625	NP (selected)
Beryllium (mg/L)	B-93	0.01805	0.006467	0.004	Yes	5	0.01378	0.003942	0	None	x^3	0.01	Param.
Beryllium (mg/L)	B-97	0.0019	0.0015	0.004	No	4	0.001725	0.0002062	25	None	No	0.0625	NP (selected)
Beryllium (mg/L)	B-98	0.00087	0.0005	0.004	No	4	0.0005925	0.000185	75	None	No	0.0625	NP (NDs)
Beryllium (mg/L)	DGWC-10	0.009208	0.005678	0.004	Yes	14	0.007443	0.002492	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-11	0.003	0.00013	0.004	No	14	0.0004964	0.0007432	50	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-12	0.00049	0.00011	0.004	No	16	0.0003943	0.0007051	12.5	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-13	0.003	0.00007	0.004	No	14	0.0005256	0.000742	64.29	None	No	0.01	NP (NDs)
Beryllium (mg/L)	DGWC-15	0.003	0.00022	0.004	No	15	0.0006185	0.0006715	86.67	None	No	0.01	NP (NDs)
Beryllium (mg/L)	DGWC-17	0.0006188	0.0005265	0.004	No	15	0.0005727	0.00006808	13.33	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-19	0.0021	0.0017	0.004	No	15	0.001907	0.0004978	13.33	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-20	0.004866	0.002215	0.004	No	15	0.003673	0.002056	13.33	None	sqrt(x)	0.01	Param.
Beryllium (mg/L)	DGWC-21	0.0005	0.0001	0.004	No	15	0.000374	0.0007325	13.33	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-22	0.0005	0.00014	0.004	No	15	0.000376	0.0007316	13.33	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-23	0.0005	0.00038	0.004	No	15	0.000618	0.0006665	13.33	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-4	0.00028	0.00019	0.004	No	14	0.0004279	0.0007463	14.29	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-42	0.002738	0.002049	0.004	No	15	0.002333	0.0006576	6.667	None	x^2	0.01	Param.
Beryllium (mg/L)	DGWC-47	0.01281	0.009018	0.004	Yes	15	0.01091	0.002797	0	None	No	0.01	Param.

Federal Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig. N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Beryllium (mg/L)	DGWC-48	0.009234	0.007526	0.004	Yes 15	0.00838	0.00126	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-5	0.008688	0.006197	0.004	Yes 14	0.007443	0.001758	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-8	0.003201	0.001685	0.004	No 14	0.002443	0.00107	7.143	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-9	0.005896	0.004931	0.004	Yes 15	0.005413	0.000712	0	None	No	0.01	Param.
Cadmium (mg/L)	B-100	0.00059	0.00027	0.005	No 4	0.000355	0.000157	0	None	No	0.0625	NP (normality)
Cadmium (mg/L)	B-102D	0.0009243	0.0006021	0.005	No 4	0.0007775	0.00007274	0	None	x^2	0.01	Param.
Cadmium (mg/L)	B-56	0.0003178	0.0002172	0.005	No 4	0.0002675	0.00002217	0	None	No	0.01	Param.
Cadmium (mg/L)	B-63	0.0003199	0.00007013	0.005	No 4	0.0003475	0.0001817	50	Kaplan-Meier	No	0.01	Param.
Cadmium (mg/L)	B-82	0.0007939	0.0002981	0.005	No 5	0.000546	0.0001479	0	None	No	0.01	Param.
Cadmium (mg/L)	B-83	0.0004307	0.0002333	0.005	No 5	0.000332	0.00005891	0	None	No	0.01	Param.
Cadmium (mg/L)	B-88	0.008758	-0.003848	0.005	No 4	0.002455	0.002776	0	None	No	0.01	Param.
Cadmium (mg/L)	B-93	0.0009316	0.0006384	0.005	No 4	0.000785	0.00006455	0	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-10	0.001207	0.0008102	0.005	No 14	0.001009	0.0002801	0	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-11	0.0005	0.00016	0.005	No 14	0.0004221	0.0001549	78.57	None	No	0.01	NP (NDs)
Cadmium (mg/L)	DGWC-12	0.0003426	0.0002257	0.005	No 16	0.0003944	0.0001917	25	Kaplan-Meier	sqrt(x)	0.01	Param.
Cadmium (mg/L)	DGWC-13	0.0005	0.0002	0.005	No 14	0.0004486	0.0001328	85.71	Kaplan-Meier	No	0.01	NP (NDs)
Cadmium (mg/L)	DGWC-15	0.001	0.00012	0.005	No 15	0.0004287	0.0002377	73.33	Kaplan-Meier	No	0.01	NP (NDs)
Cadmium (mg/L)	DGWC-17	0.00033	0.00023	0.005	No 15	0.0002987	0.00009062	13.33	None	No	0.01	NP (normality)
Cadmium (mg/L)	DGWC-19	0.0005	0.00034	0.005	No 15	0.0004207	0.0001665	13.33	None	No	0.01	NP (normality)
Cadmium (mg/L)	DGWC-2	0.0002846	0.0001314	0.005	No 15	0.0003667	0.0002335	33.33	Kaplan-Meier	sqrt(x)	0.01	Param.
Cadmium (mg/L)	DGWC-20	0.002238	0.001722	0.005	No 15	0.00198	0.0003802	0	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-21	0.0007418	0.0004675	0.005	No 15	0.0006047	0.0002024	13.33	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-22	0.0007017	0.0004543	0.005	No 15	0.000578	0.0001826	13.33	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-23	0.0003	0.00019	0.005	No 15	0.0002967	0.0002115	13.33	None	No	0.01	NP (normality)
Cadmium (mg/L)	DGWC-4	0.0008282	0.0006103	0.005	No 14	0.0007193	0.0001538	14.29	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-42	0.001109	0.0004679	0.005	No 15	0.0008233	0.0005572	13.33	None	sqrt(x)	0.01	Param.
Cadmium (mg/L)	DGWC-47	0.002181	0.001246	0.005	No 15	0.001713	0.0006896	0	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-48	0.0042	0.0025	0.005	No 15	0.003527	0.001682	0	None	No	0.01	NP (normality)
Cadmium (mg/L)	DGWC-5	0.0008175	0.0004382	0.005	No 14	0.0006279	0.0002677	14.29	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-8	0.002516	0.00197	0.005	No 14	0.002243	0.0003857	0	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-9	0.0006732	0.0005032	0.005	No 15	0.0005927	0.0001373	13.33	None	x^(1/3)	0.01	Param.
Chromium (mg/L)	B-100	0.001223	0.0003828	0.1	No 4	0.002877	0.002456	50	Kaplan-Meier	sqrt(x)	0.01	Param.
Chromium (mg/L)	B-104D	0.005	0.0011	0.1	No 4	0.004025	0.00195	75	Kaplan-Meier	No	0.0625	NP (NDs)
Chromium (mg/L)	B-56	0.001914	0.00007551	0.1	No 4	0.002997	0.002336	50	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	B-62	0.005	0.00098	0.1	No 7	0.004426	0.001519	85.71	Kaplan-Meier	No	0.008	NP (NDs)
Chromium (mg/L)	B-63	0.005	0.00064	0.1	No 4	0.00391	0.00218	75	Kaplan-Meier	No	0.0625	NP (NDs)
Chromium (mg/L)	B-77	0.001858	0.0005328	0.1	No 6	0.00241	0.002072	33.33	Kaplan-Meier	ln(x)	0.01	Param.
Chromium (mg/L)	B-82	0.005	0.0011	0.1	No 5	0.00422	0.001744	80	Kaplan-Meier	No	0.031	NP (NDs)
Chromium (mg/L)	B-83	0.0051	0.0017	0.1	No 5	0.00394	0.001524	0	None	No	0.031	NP (selected)
Chromium (mg/L)	B-88	0.002116	0.0005176	0.1	No 4	0.002237	0.001875	25	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	B-93	0.005	0.00057	0.1	No 4	0.002807	0.002532	50	None	No	0.0625	NP (normality)
Chromium (mg/L)	DGWC-10	0.005	0.00078	0.1	No 14	0.002321	0.002074	35.71	None	No	0.01	NP (normality)
Chromium (mg/L)	DGWC-11	0.005	0.0006	0.1	No 14	0.003742	0.002064	71.43	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-12	0.005	0.00099	0.1	No 16	0.004496	0.001378	87.5	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-13	0.005	0.00074	0.1	No 14	0.003778	0.002006	71.43	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-15	0.01	0.00058	0.1	No 15	0.004423	0.002397	73.33	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-17	0.0035	0.0024	0.1	No 15	0.003047	0.0008651	13.33	None	No	0.01	NP (normality)
Chromium (mg/L)	DGWC-19	0.005	0.0023	0.1	No 15	0.00342	0.002022	20	None	No	0.01	NP (normality)
Chromium (mg/L)	DGWC-2	0.005	0.0005	0.1	No 15	0.003211	0.002268	60	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-20	0.002136	0.001443	0.1	No 15	0.003467	0.002385	40	Kaplan-Meier	ln(x)	0.01	Param.
Chromium (mg/L)	DGWC-21	0.005	0.0005	0.1	No 15	0.00333	0.002148	60	Kaplan-Meier	No	0.01	NP (NDs)

Federal Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	DGWC-22	0.005	0.0012	0.1	No	15	0.004747	0.0009812	93.33	Kaplan-Meier	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-23	0.005	0.0005	0.1	No	15	0.002187	0.002075	33.33	None	No	0.01	NP (normality)
Chromium (mg/L)	DGWC-4	0.005	0.0005	0.1	No	14	0.004679	0.001203	92.86	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-42	0.005	0.0005	0.1	No	15	0.003082	0.002157	53.33	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-47	0.005	0.0007	0.1	No	15	0.004713	0.00111	93.33	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-48	0.005	0.0007	0.1	No	15	0.004407	0.001567	86.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-5	0.005	0.00045	0.1	No	14	0.004675	0.001216	92.86	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-8	0.005	0.00086	0.1	No	14	0.003391	0.002002	57.14	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-9	0.0057	0.00059	0.1	No	15	0.003593	0.002173	60	None	No	0.01	NP (NDs)
Cobalt (mg/L)	B-100	0.087	0.029	0.032	No	6	0.058	0.02804	0	None	No	0.0155	NP (selected)
Cobalt (mg/L)	B-102D	0.01585	0.01215	0.032	No	4	0.014	0.0008165	0	None	No	0.01	Param.
Cobalt (mg/L)	B-104D	0.2361	-0.01451	0.032	No	4	0.1625	0.04272	0	None	x^2	0.01	Param.
Cobalt (mg/L)	B-111D	0.0009228	0.0004439	0.032	No	4	0.00112	0.0009256	25	Kaplan-Meier	x^(1/3)	0.01	Param.
Cobalt (mg/L)	B-56	0.05421	0.03629	0.032	Yes	4	0.04525	0.003948	0	None	No	0.01	Param.
Cobalt (mg/L)	B-62	0.0025	0.0003	0.032	No	7	0.001873	0.001071	71.43	None	No	0.008	NP (NDs)
Cobalt (mg/L)	B-63	0.0547	0.0353	0.032	Yes	5	0.045	0.005788	0	None	No	0.01	Param.
Cobalt (mg/L)	B-66	0.01241	0.003754	0.032	No	5	0.00758	0.003665	20	Kaplan-Meier	No	0.01	Param.
Cobalt (mg/L)	B-77	0.0031	0.0004	0.032	No	6	0.001817	0.0009725	16.67	None	No	0.0155	NP (selected)
Cobalt (mg/L)	B-82	0.007804	0.0003291	0.032	No	6	0.004067	0.002721	0	None	No	0.01	Param.
Cobalt (mg/L)	B-83	0.021	0.0073	0.032	No	5	0.01344	0.005791	0	None	No	0.031	NP (selected)
Cobalt (mg/L)	B-88	0.022	0.0015	0.032	No	5	0.00928	0.009906	0	None	No	0.031	NP (selected)
Cobalt (mg/L)	B-93	0.069	0.0594	0.032	Yes	5	0.0642	0.002864	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-10	0.1888	0.1413	0.032	Yes	14	0.1537	0.04866	0	None	x^4	0.01	Param.
Cobalt (mg/L)	DGWC-11	0.0025	0.0006	0.032	No	14	0.001481	0.0009221	42.86	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-12	0.013	0.0021	0.032	No	16	0.008125	0.009711	12.5	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-13	0.0025	0.0005	0.032	No	14	0.002056	0.0008832	78.57	None	No	0.01	NP (NDs)
Cobalt (mg/L)	DGWC-15	0.0028	0.0016	0.032	No	15	0.003653	0.005947	6.667	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-17	0.02716	0.02022	0.032	No	15	0.02313	0.00641	6.667	None	x^2	0.01	Param.
Cobalt (mg/L)	DGWC-19	0.05331	0.04925	0.032	Yes	15	0.05128	0.002996	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-2	0.0284	0.0062	0.032	No	15	0.01761	0.01155	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-20	0.6394	0.4659	0.032	Yes	15	0.5575	0.1355	0	None	x^(1/3)	0.01	Param.
Cobalt (mg/L)	DGWC-21	0.009773	0.008552	0.032	No	15	0.00862	0.002141	13.33	None	x^6	0.01	Param.
Cobalt (mg/L)	DGWC-22	0.009945	0.007492	0.032	No	15	0.008533	0.002244	13.33	None	x^2	0.01	Param.
Cobalt (mg/L)	DGWC-23	0.005	0.00039	0.032	No	15	0.00183	0.001357	60	None	No	0.01	NP (NDs)
Cobalt (mg/L)	DGWC-4	0.0021	0.0015	0.032	No	14	0.002021	0.000904	14.29	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-42	0.04451	0.01723	0.032	No	15	0.03087	0.02013	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-47	0.3858	0.253	0.032	Yes	15	0.3194	0.09792	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-48	0.5073	0.402	0.032	Yes	15	0.4547	0.07771	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-5	0.04	0.02	0.032	No	14	0.02794	0.01109	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-8	0.0878	0.04412	0.032	Yes	14	0.06596	0.03083	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-9	0.201	0.1437	0.032	Yes	15	0.1724	0.04231	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-100	1.4	0.168	5.61	No	4	0.7853	0.5031	0	None	No	0.0625	NP (selected)
Combined Radium 226 + 228 (pCi/L)	B-102D	1.74	0.635	5.61	No	4	1.096	0.4956	0	None	No	0.0625	NP (selected)
Combined Radium 226 + 228 (pCi/L)	B-104D	21.26	6.892	5.61	Yes	4	14.08	3.164	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-111D	16.31	1.377	5.61	No	4	8.843	3.288	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-56	1.617	0.5846	5.61	No	4	1.101	0.2275	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-62	2.02	1.173	5.61	No	6	1.597	0.3082	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-77	2.17	0.617	5.61	No	5	1.516	0.7658	0	None	No	0.031	NP (selected)
Combined Radium 226 + 228 (pCi/L)	B-82	1.18	0.3541	5.61	No	4	0.7673	0.182	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-83	1.15	0.0359	5.61	No	5	0.674	0.4409	0	None	No	0.031	NP (selected)
Combined Radium 226 + 228 (pCi/L)	B-88	2.84	0.771	5.61	No	4	1.752	1.056	0	None	No	0.0625	NP (selected)

Federal Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:54 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-93	2.371	0.3074	5.61	No 4	1.339	0.4544	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-10	1.497	1.071	5.61	No 15	1.284	0.314	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-11	1.272	0.6667	5.61	No 15	0.9694	0.4467	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-12	1.27	0.4013	5.61	No 15	0.8984	0.714	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-13	1.484	1.036	5.61	No 15	1.26	0.3303	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-14	1.103	0.6919	5.61	No 15	0.8972	0.303	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-15	1.553	0.551	5.61	No 15	1.118	0.8748	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-17	1.05	0.5723	5.61	No 15	0.8113	0.3526	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-19	1.04	0.5062	5.61	No 15	0.7733	0.3942	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-2	1.444	0.8924	5.61	No 15	1.168	0.4067	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-20	1.543	0.8767	5.61	No 15	1.21	0.4913	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-21	1.125	0.5866	5.61	No 15	0.8557	0.3972	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-22	1.364	0.733	5.61	No 15	1.049	0.4659	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-23	1.489	0.7765	5.61	No 15	1.133	0.5259	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-4	1.721	1.187	5.61	No 15	1.454	0.3939	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-42	1.169	0.7309	5.61	No 15	0.9499	0.3231	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-47	2.903	1.785	5.61	No 15	2.344	0.8249	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-48	2.415	1.602	5.61	No 15	2.03	0.6435	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-5	1.839	1.024	5.61	No 15	1.431	0.6015	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-8	0.841	0.4794	5.61	No 15	0.6602	0.2668	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-9	1.439	0.9531	5.61	No 15	1.196	0.3583	0	None	No	0.01	Param.
Fluoride, total (mg/L)	B-102D	0.11	0.077	4	No 4	0.08725	0.01537	0	None	No	0.0625	NP (normality)
Fluoride, total (mg/L)	B-104D	0.5774	0.2326	4	No 4	0.405	0.07594	0	None	No	0.01	Param.
Fluoride, total (mg/L)	B-111D	0.7199	0.1451	4	No 4	0.4325	0.1266	0	None	No	0.01	Param.
Fluoride, total (mg/L)	B-56	0.34	0.098	4	No 4	0.207	0.09985	0	None	No	0.0625	NP (selected)
Fluoride, total (mg/L)	B-62	0.3546	0.06003	4	No 6	0.1855	0.1295	0	None	x^(1/3)	0.01	Param.
Fluoride, total (mg/L)	B-77	0.1	0.078	4	No 5	0.0948	0.00955	60	None	No	0.031	NP (NDs)
Fluoride, total (mg/L)	B-82	0.2	0.052	4	No 4	0.113	0.06226	50	None	No	0.0625	NP (selected)
Fluoride, total (mg/L)	B-83	0.1232	0.02857	4	No 5	0.0834	0.0317	20	Kaplan-Meier	No	0.01	Param.
Fluoride, total (mg/L)	B-93	0.3685	0.2815	4	No 4	0.325	0.01915	0	None	No	0.01	Param.
Fluoride, total (mg/L)	DGWC-10	1.862	1.347	4	No 16	1.604	0.3955	0	None	No	0.01	Param.
Fluoride, total (mg/L)	DGWC-11	0.1	0.052	4	No 15	0.0804	0.0261	60	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-12	0.1641	0.05529	4	No 16	0.1588	0.1448	37.5	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride, total (mg/L)	DGWC-13	0.2134	0.08589	4	No 15	0.157	0.1093	6.667	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	DGWC-14	0.1	0.052	4	No 16	0.08588	0.02643	68.75	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-15	0.11	0.079	4	No 16	0.1054	0.04361	62.5	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-17	0.2722	0.09774	4	No 16	0.2039	0.1552	12.5	None	x^(1/3)	0.01	Param.
Fluoride, total (mg/L)	DGWC-19	0.5135	0.1749	4	No 16	0.3713	0.313	6.25	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	DGWC-2	0.28	0.052	4	No 16	0.1429	0.1586	37.5	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	DGWC-20	0.9494	0.4006	4	No 16	0.675	0.4218	6.25	None	No	0.01	Param.
Fluoride, total (mg/L)	DGWC-21	0.14	0.07	4	No 16	0.107	0.06664	62.5	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-22	0.13	0.09	4	No 16	0.1185	0.06532	50	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	DGWC-23	0.2262	0.09243	4	No 16	0.1852	0.1558	6.25	None	ln(x)	0.01	Param.
Fluoride, total (mg/L)	DGWC-4	0.17	0.082	4	No 16	0.1364	0.1776	68.75	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-42	0.1	0.06	4	No 16	0.0925	0.02176	87.5	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-47	1.146	0.5167	4	No 16	0.8313	0.4835	0	None	No	0.01	Param.
Fluoride, total (mg/L)	DGWC-48	1.19	0.6114	4	No 16	0.9006	0.4445	0	None	No	0.01	Param.
Fluoride, total (mg/L)	DGWC-5	0.7808	0.2378	4	No 15	0.5667	0.4567	6.667	None	x^(1/3)	0.01	Param.
Fluoride, total (mg/L)	DGWC-8	0.4095	0.1193	4	No 15	0.2868	0.2338	13.33	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	DGWC-9	1.391	0.9657	4	No 16	1.178	0.3265	0	None	No	0.01	Param.
Lead (mg/L)	B-100	0.0003036	0.00005528	0.015	No 4	0.0003695	0.0004235	25	Kaplan-Meier	sqrt(x)	0.01	Param.

Federal Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lead (mg/L)	B-102D	0.001	0.000037	0.015	No	4	0.0002865	0.0004758	25	None	No	0.0625	NP (normality)
Lead (mg/L)	B-104D	0.001	0.000051	0.015	No	4	0.0007628	0.0004745	75	None	No	0.0625	NP (NDs)
Lead (mg/L)	B-111D	0.001	0.000051	0.015	No	4	0.0005273	0.0005459	50	None	No	0.0625	NP (normality)
Lead (mg/L)	B-56	0.0002854	0.00003627	0.015	No	4	0.0003528	0.0004355	25	Kaplan-Meier	sqrt(x)	0.01	Param.
Lead (mg/L)	B-63	0.001	0.000047	0.015	No	4	0.00053	0.0005428	50	None	No	0.0625	NP (normality)
Lead (mg/L)	B-77	0.0016	0.00021	0.015	No	6	0.0007367	0.000554	33.33	None	No	0.0155	NP (selected)
Lead (mg/L)	B-82	0.0001911	0.00004858	0.015	No	5	0.0004658	0.000489	40	Kaplan-Meier	x^(1/3)	0.01	Param.
Lead (mg/L)	B-83	0.001	0.000065	0.015	No	5	0.000455	0.0004634	20	None	No	0.031	NP (selected)
Lead (mg/L)	B-88	0.02767	0.00004865	0.015	No	4	0.00354	0.005647	25	Kaplan-Meier	ln(x)	0.01	Param.
Lead (mg/L)	B-93	0.001	0.00012	0.015	No	4	0.00056	0.0005081	50	None	No	0.0625	NP (normality)
Lead (mg/L)	DGWC-10	0.001	0.00011	0.015	No	14	0.0006273	0.0004481	57.14	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-11	0.001	0.0001	0.015	No	14	0.0006785	0.0004481	64.29	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-12	0.001	0.00011	0.015	No	16	0.0008881	0.0003057	87.5	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-13	0.001	0.0002	0.015	No	14	0.0008784	0.0003097	85.71	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-14	0.001	0.000096	0.015	No	15	0.0008149	0.0003834	80	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-15	0.0012	0.0001	0.015	No	15	0.0007161	0.0004487	60	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-17	0.001	0.00009	0.015	No	15	0.0005862	0.0004585	53.33	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-19	0.001	0.00007	0.015	No	15	0.0007059	0.0004334	66.67	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-2	0.001	0.000086	0.015	No	15	0.0005156	0.0004693	46.67	None	No	0.01	NP (normality)
Lead (mg/L)	DGWC-20	0.001	0.00015	0.015	No	15	0.0007311	0.0003691	60	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-21	0.001	0.00014	0.015	No	15	0.0006177	0.0004296	53.33	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-23	0.001	0.000066	0.015	No	15	0.0009377	0.0002412	93.33	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-4	0.001	0.00012	0.015	No	14	0.0007478	0.0004149	71.43	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-42	0.0004678	0.0001549	0.015	No	15	0.0008147	0.001228	20	Kaplan-Meier	ln(x)	0.01	Param.
Lead (mg/L)	DGWC-47	0.0011	0.00053	0.015	No	15	0.001081	0.001106	26.67	None	No	0.01	NP (normality)
Lead (mg/L)	DGWC-48	0.0022	0.00095	0.015	No	15	0.001664	0.001169	13.33	None	No	0.01	NP (normality)
Lead (mg/L)	DGWC-5	0.001	0.000051	0.015	No	14	0.0005984	0.0006777	35.71	None	No	0.01	NP (normality)
Lead (mg/L)	DGWC-8	0.001	0.00011	0.015	No	14	0.0006273	0.0004132	50	None	No	0.01	NP (normality)
Lead (mg/L)	DGWC-9	0.001	0.00028	0.015	No	15	0.00084	0.0003323	80	None	No	0.01	NP (NDs)
Lithium (mg/L)	B-100	0.003519	0.0007815	0.04	No	4	0.00215	0.0006028	0	None	No	0.01	Param.
Lithium (mg/L)	B-102D	0.01666	0.009844	0.04	No	4	0.01325	0.0015	0	None	No	0.01	Param.
Lithium (mg/L)	B-104D	0.04121	0.03479	0.04	No	4	0.038	0.001414	0	None	No	0.01	Param.
Lithium (mg/L)	B-111D	0.029	0.021	0.04	No	4	0.02475	0.004349	0	None	No	0.0625	NP (selected)
Lithium (mg/L)	B-56	0.005968	0.004632	0.04	No	4	0.0053	0.0002944	0	None	No	0.01	Param.
Lithium (mg/L)	B-62	0.015	0.0078	0.04	No	7	0.0094	0.002532	14.29	None	No	0.008	NP (normality)
Lithium (mg/L)	B-63	0.015	0.0062	0.04	No	5	0.00812	0.003849	20	None	No	0.031	NP (normality)
Lithium (mg/L)	B-77	0.015	0.00095	0.04	No	6	0.004525	0.005339	16.67	None	No	0.0155	NP (selected)
Lithium (mg/L)	B-82	0.0039	0.001	0.04	No	5	0.00222	0.001422	0	None	No	0.031	NP (selected)
Lithium (mg/L)	B-83	0.004551	0.0009685	0.04	No	5	0.00276	0.001069	0	None	No	0.01	Param.
Lithium (mg/L)	B-88	0.029	0.0016	0.04	No	4	0.009575	0.01311	0	None	No	0.0625	NP (selected)
Lithium (mg/L)	B-93	0.012	0.011	0.04	No	4	0.01125	0.0005	0	None	No	0.0625	NP (normality)
Lithium (mg/L)	DGWC-10	0.006793	0.002702	0.04	No	14	0.005343	0.004279	14.29	None	ln(x)	0.01	Param.
Lithium (mg/L)	DGWC-11	0.0028	0.0019	0.04	No	14	0.003186	0.003418	7.143	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-12	0.015	0.0011	0.04	No	16	0.01064	0.006685	68.75	None	No	0.01	NP (NDs)
Lithium (mg/L)	DGWC-13	0.0036	0.0029	0.04	No	14	0.004879	0.004297	14.29	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-14	0.0044	0.0032	0.04	No	15	0.00472	0.003078	6.667	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-15	0.0066	0.0058	0.04	No	14	0.00625	0.0008465	0	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-17	0.015	0.00096	0.04	No	15	0.009434	0.007057	60	None	No	0.01	NP (NDs)
Lithium (mg/L)	DGWC-19	0.0035	0.003	0.04	No	15	0.003993	0.003053	6.667	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-2	0.085	0.023	0.04	No	15	0.04906	0.03031	6.667	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-20	0.012	0.0021	0.04	No	15	0.006407	0.005611	6.667	None	No	0.01	NP (normality)

Federal Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lithium (mg/L)	DGWC-21	0.0065	0.0057	0.04	No	15	0.00656	0.00236	6.667	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-22	0.0046	0.0037	0.04	No	15	0.00484	0.002836	6.667	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-23	0.01279	0.003816	0.04	No	15	0.01165	0.01832	6.667	None	ln(x)	0.01	Param.
Lithium (mg/L)	DGWC-4	0.0035	0.0025	0.04	No	14	0.003786	0.003256	7.143	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-42	0.01268	0.01007	0.04	No	15	0.01137	0.001928	6.667	None	No	0.01	Param.
Lithium (mg/L)	DGWC-47	0.07457	0.05787	0.04	Yes	15	0.06622	0.01232	0	None	No	0.01	Param.
Lithium (mg/L)	DGWC-48	0.1269	0.106	0.04	Yes	15	0.1165	0.01544	0	None	No	0.01	Param.
Lithium (mg/L)	DGWC-5	0.008199	0.004206	0.04	No	14	0.006343	0.003062	7.143	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	DGWC-8	0.0072	0.0045	0.04	No	14	0.006036	0.002823	7.143	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-9	0.02931	0.02328	0.04	No	15	0.02629	0.004445	6.667	None	No	0.01	Param.
Mercury (mg/L)	B-104D	0.0002	0.000079	0.002	No	4	0.0001697	0.0000605	75	None	No	0.0625	NP (NDs)
Mercury (mg/L)	B-111D	0.0002	0.000094	0.002	No	4	0.0001735	0.000053	75	None	No	0.0625	NP (NDs)
Mercury (mg/L)	B-56	0.0002	0.00016	0.002	No	4	0.00019	0.00002	75	None	No	0.0625	NP (NDs)
Mercury (mg/L)	B-82	0.0002	0.00011	0.002	No	5	0.000182	0.00004025	80	None	No	0.031	NP (NDs)
Mercury (mg/L)	B-88	0.0002	0.0001	0.002	No	4	0.0001525	0.000055	50	None	No	0.0625	NP (normality)
Mercury (mg/L)	B-93	0.00036	0.00001396	0.002	No	4	0.000187	0.00007622	0	None	No	0.01	Param.
Mercury (mg/L)	DGWC-10	0.0002	0.000081	0.002	No	14	0.0001658	0.00005628	71.43	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-11	0.0002	0.00008	0.002	No	14	0.0001707	0.0000585	78.57	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-12	0.0002	0.00008	0.002	No	16	0.0001541	0.00006456	62.5	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-13	0.0002	0.00009	0.002	No	14	0.0001829	0.00004375	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-14	0.0002	0.00008	0.002	No	15	0.0001727	0.00005688	80	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-15	0.0002	0.00006	0.002	No	15	0.0001907	0.00003615	93.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-17	0.0002	0.00006	0.002	No	15	0.0001404	0.00006361	46.67	None	No	0.01	NP (normality)
Mercury (mg/L)	DGWC-19	0.0002	0.00009	0.002	No	15	0.000172	0.00005882	80	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-2	0.00064	0.000083	0.002	No	15	0.0002049	0.0001304	73.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-20	0.0002	0.00009	0.002	No	15	0.0001767	0.00004835	80	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-21	0.0002	0.00006	0.002	No	15	0.000158	0.00006327	66.67	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-22	0.0002	0.0001	0.002	No	15	0.0001677	0.00005729	73.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-23	0.0002053	0.0001241	0.002	No	15	0.0001853	0.0000573	26.67	Kaplan-Meier	No	0.01	Param.
Mercury (mg/L)	DGWC-4	0.00059	0.00013	0.002	No	14	0.0002059	0.0001192	71.43	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-42	0.0002	0.00004	0.002	No	15	0.0001893	0.00004131	93.33	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-48	0.0002	0.00006	0.002	No	15	0.0001907	0.00003615	93.33	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-5	0.0002402	0.0001202	0.002	No	14	0.0001924	0.0001175	14.29	None	ln(x)	0.01	Param.
Mercury (mg/L)	DGWC-8	0.0002	0.000079	0.002	No	14	0.0001494	0.00006312	57.14	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-9	0.00021	0.00013	0.002	No	15	0.0001881	0.00008736	46.67	None	No	0.01	NP (normality)
Molybdenum (mg/L)	B-104D	0.01	0.0012	0.1	No	4	0.0078	0.0044	75	None	No	0.0625	NP (NDs)
Molybdenum (mg/L)	B-111D	0.01817	0.002799	0.1	No	4	0.00765	0.003615	0	None	ln(x)	0.01	Param.
Molybdenum (mg/L)	B-66	0.01	0.0015	0.1	No	4	0.005825	0.004822	50	None	No	0.0625	NP (normality)
Molybdenum (mg/L)	B-88	0.01	0.0012	0.1	No	4	0.0056	0.005081	50	None	No	0.0625	NP (normality)
Molybdenum (mg/L)	DGWC-13	0.0262	0.01302	0.1	No	14	0.01961	0.009301	0	None	No	0.01	Param.
Molybdenum (mg/L)	DGWC-2	0.01	0.0018	0.1	No	15	0.005093	0.004167	40	None	No	0.01	NP (normality)
Molybdenum (mg/L)	DGWC-23	0.01117	0.00682	0.1	No	15	0.008993	0.003208	0	None	No	0.01	Param.
Molybdenum (mg/L)	DGWC-4	0.007258	0.004757	0.1	No	14	0.006007	0.001765	7.143	None	No	0.01	Param.
Selenium (mg/L)	B-100	0.005	0.0019	0.05	No	4	0.004225	0.00155	75	None	No	0.0625	NP (NDs)
Selenium (mg/L)	B-104D	0.004053	0.0006472	0.05	No	4	0.003675	0.001648	50	Kaplan-Meier	No	0.01	Param.
Selenium (mg/L)	B-111D	0.005	0.0022	0.05	No	4	0.0043	0.0014	75	None	No	0.0625	NP (NDs)
Selenium (mg/L)	B-56	0.029	0.011	0.05	No	4	0.016	0.008718	0	None	No	0.0625	NP (normality)
Selenium (mg/L)	B-77	0.005	0.0017	0.05	No	6	0.00445	0.001347	83.33	None	No	0.0155	NP (NDs)
Selenium (mg/L)	B-82	0.005	0.0016	0.05	No	5	0.00374	0.001734	60	None	No	0.031	NP (NDs)
Selenium (mg/L)	B-83	0.02981	0.006668	0.05	No	5	0.01824	0.006906	0	None	No	0.01	Param.
Selenium (mg/L)	B-88	0.004472	0.0007278	0.05	No	4	0.0026	0.0008246	0	None	No	0.01	Param.

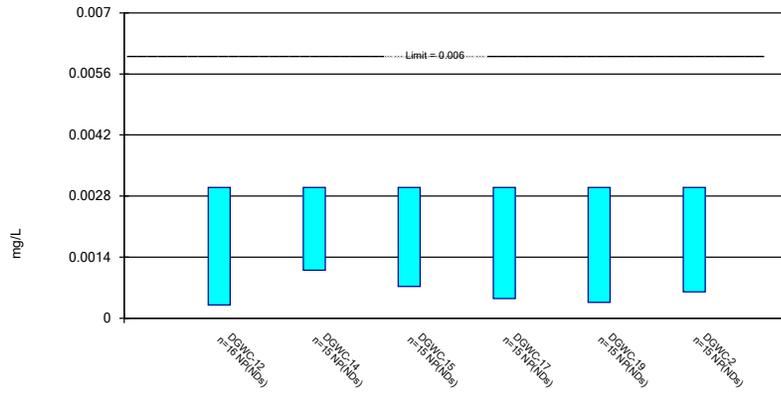
Federal Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Selenium (mg/L)	B-93	0.036	0.0076	0.05	No	4	0.01788	0.01288	0	None	No	0.0625	NP (selected)
Selenium (mg/L)	DGWC-10	0.05289	0.02215	0.05	No	14	0.03752	0.0217	0	None	No	0.01	Param.
Selenium (mg/L)	DGWC-12	0.005	0.0017	0.05	No	16	0.003931	0.002266	56.25	None	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-13	0.004442	0.0019	0.05	No	14	0.004307	0.00244	21.43	Kaplan-Meier	No	0.01	Param.
Selenium (mg/L)	DGWC-14	0.01	0.0017	0.05	No	15	0.004227	0.002257	66.67	Kaplan-Meier	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-15	0.01	0.0018	0.05	No	15	0.00512	0.001582	93.33	Kaplan-Meier	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-17	0.009189	0.006423	0.05	No	15	0.007953	0.002359	13.33	None	ln(x)	0.01	Param.
Selenium (mg/L)	DGWC-19	0.008946	0.005774	0.05	No	15	0.00736	0.00234	13.33	None	No	0.01	Param.
Selenium (mg/L)	DGWC-2	0.0053	0.0045	0.05	No	15	0.005193	0.001557	46.67	None	No	0.01	NP (normality)
Selenium (mg/L)	DGWC-20	0.06742	0.0338	0.05	No	15	0.05061	0.02481	0	None	No	0.01	Param.
Selenium (mg/L)	DGWC-22	0.005	0.0017	0.05	No	15	0.00478	0.0008521	93.33	None	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-4	0.005	0.0014	0.05	No	14	0.004743	0.0009621	92.86	None	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-47	0.01301	0.005259	0.05	No	15	0.009133	0.005718	13.33	None	No	0.01	Param.
Selenium (mg/L)	DGWC-48	0.008046	0.003594	0.05	No	15	0.00582	0.003285	13.33	None	No	0.01	Param.
Selenium (mg/L)	DGWC-5	0.0457	0.00964	0.05	No	14	0.03263	0.04214	7.143	None	x^(1/3)	0.01	Param.
Selenium (mg/L)	DGWC-8	0.00408	0.002153	0.05	No	14	0.004586	0.002144	50	Kaplan-Meier	sqrt(x)	0.01	Param.
Selenium (mg/L)	DGWC-9	0.1308	0.05207	0.05	Yes	15	0.09144	0.0581	0	None	No	0.01	Param.
Thallium (mg/L)	B-56	0.0003212	0.0001238	0.002	No	4	0.0002225	0.00004349	0	None	No	0.01	Param.
Thallium (mg/L)	B-82	0.001	0.000099	0.002	No	5	0.0006418	0.0004905	60	None	No	0.031	NP (NDs)
Thallium (mg/L)	B-83	0.001	0.000072	0.002	No	5	0.0008144	0.000415	80	None	No	0.031	NP (NDs)
Thallium (mg/L)	B-88	0.001	0.0002	0.002	No	4	0.0008	0.0004	75	None	No	0.0625	NP (NDs)
Thallium (mg/L)	DGWC-10	0.0006	0.00036	0.002	No	14	0.0004907	0.0002285	14.29	None	No	0.01	NP (normality)
Thallium (mg/L)	DGWC-12	0.001	0.00009	0.002	No	16	0.0006042	0.0004636	56.25	None	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-17	0.001	0.00017	0.002	No	15	0.000398	0.0003761	26.67	None	No	0.01	NP (normality)
Thallium (mg/L)	DGWC-19	0.00059	0.00049	0.002	No	15	0.000544	0.0001384	6.667	None	No	0.01	NP (normality)
Thallium (mg/L)	DGWC-20	0.000988	0.0005219	0.002	No	15	0.000942	0.0004995	26.67	Kaplan-Meier	ln(x)	0.01	Param.
Thallium (mg/L)	DGWC-22	0.001	0.000064	0.002	No	15	0.0006889	0.0004554	66.67	Kaplan-Meier	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-4	0.001	0.000073	0.002	No	14	0.0009338	0.0002478	92.86	None	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-42	0.001	0.00009	0.002	No	15	0.0007559	0.000419	73.33	None	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-47	0.00036	0.0002	0.002	No	15	0.0003513	0.0002684	13.33	None	No	0.01	NP (normality)
Thallium (mg/L)	DGWC-48	0.001	0.00008	0.002	No	15	0.0006937	0.0004484	66.67	None	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-5	0.001	0.0002	0.002	No	14	0.00081	0.0003787	78.57	None	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-8	0.001	0.00019	0.002	No	14	0.0003886	0.0003356	21.43	None	No	0.01	NP (normality)
Thallium (mg/L)	DGWC-9	0.001	0.00043	0.002	No	15	0.0007027	0.0002443	33.33	None	No	0.01	NP (normality)

Non-Parametric Confidence Interval

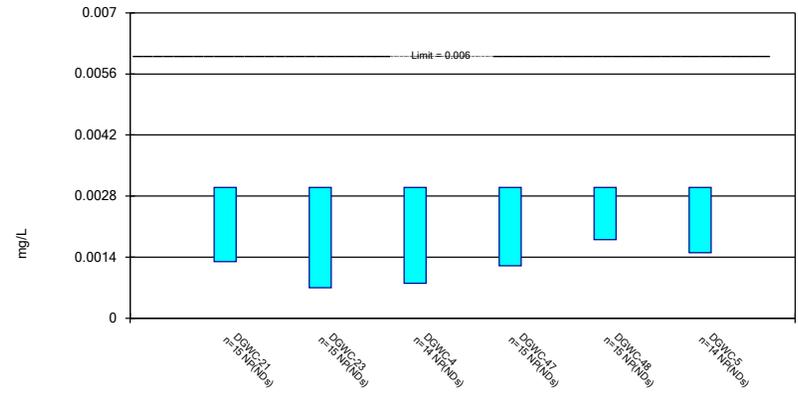
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Antimony Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

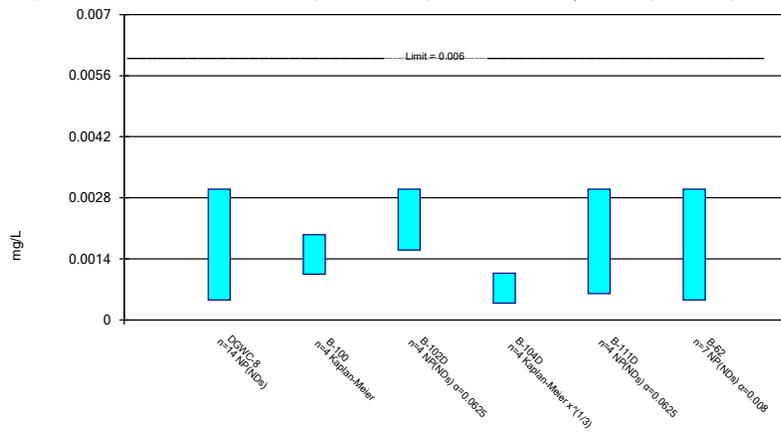
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Constituent: Antimony Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

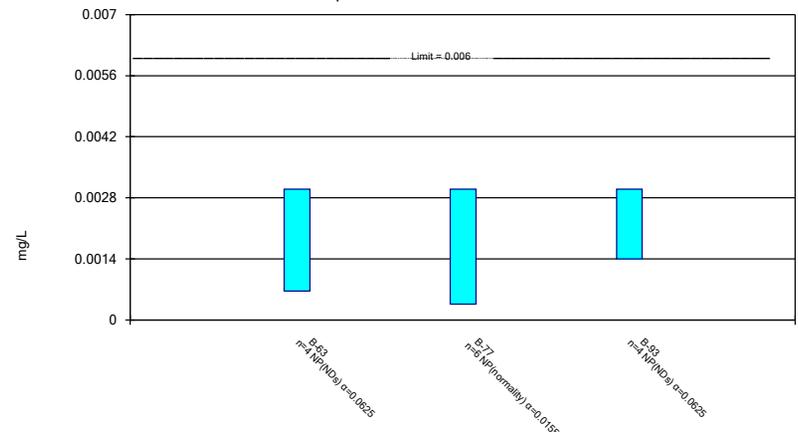
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Constituent: Antimony Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

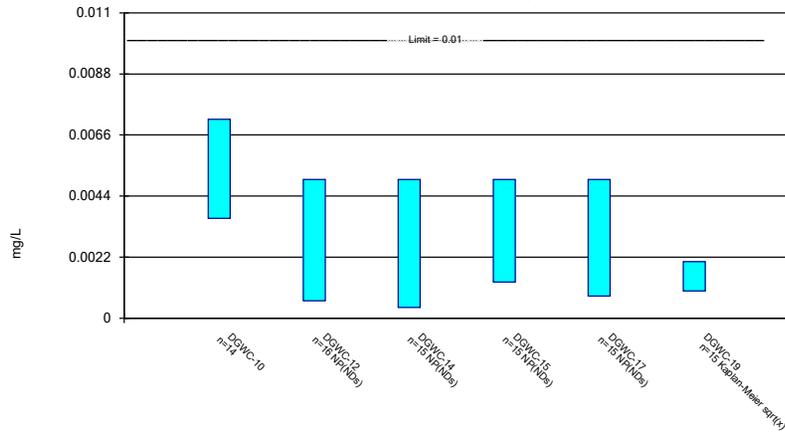
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Constituent: Antimony Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

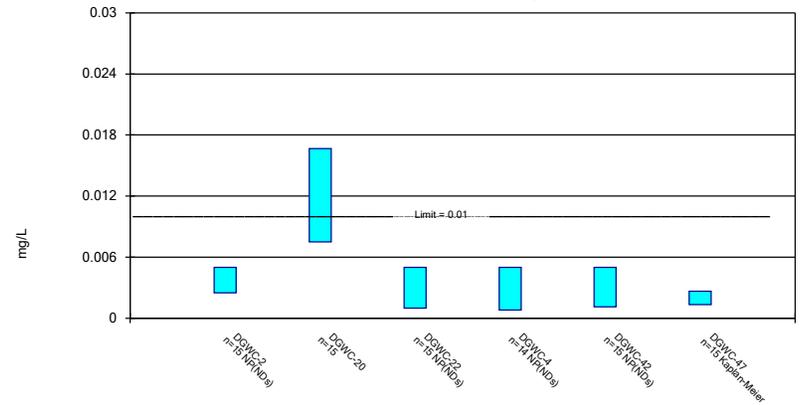
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Constituent: Arsenic Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

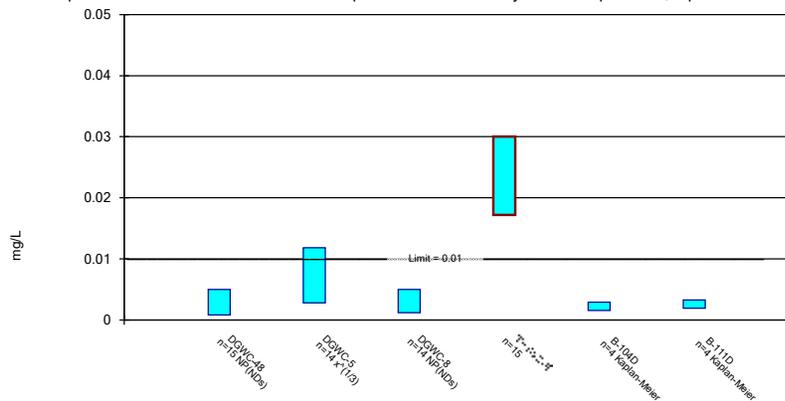
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Constituent: Arsenic Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

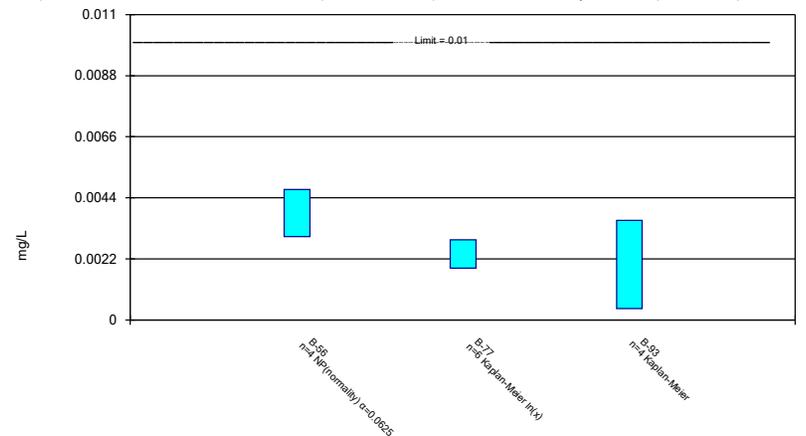
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Constituent: Arsenic Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

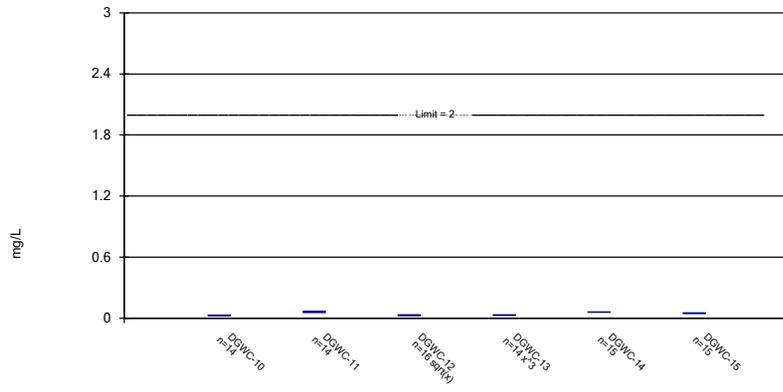
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Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

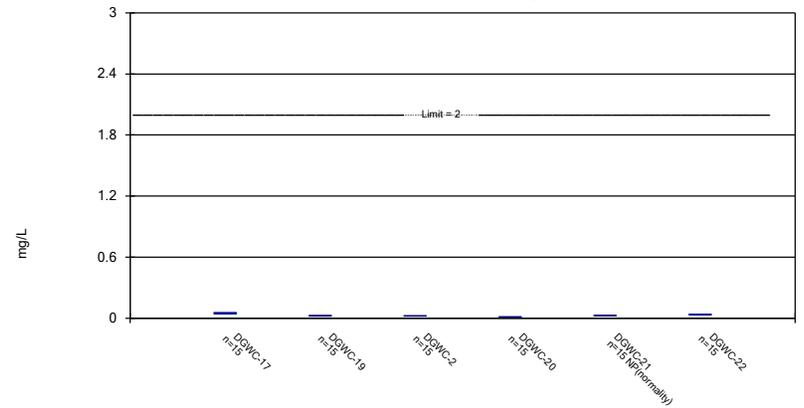
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Constituent: Barium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

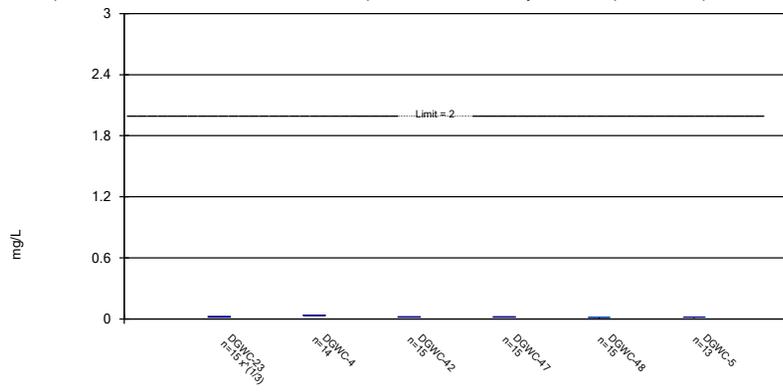
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Constituent: Barium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

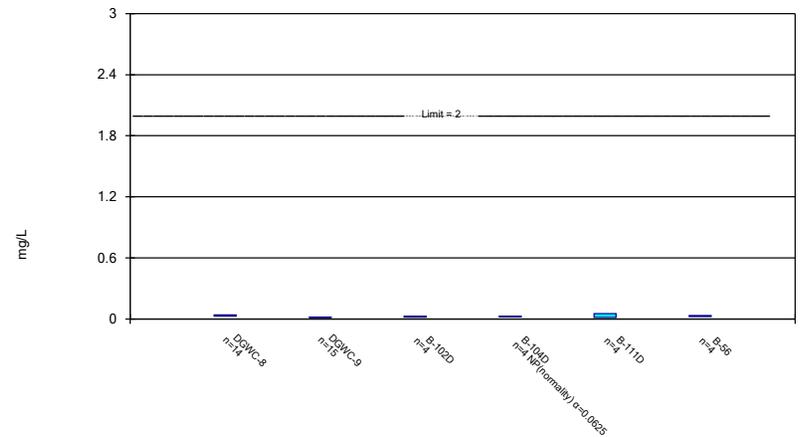
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Constituent: Barium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

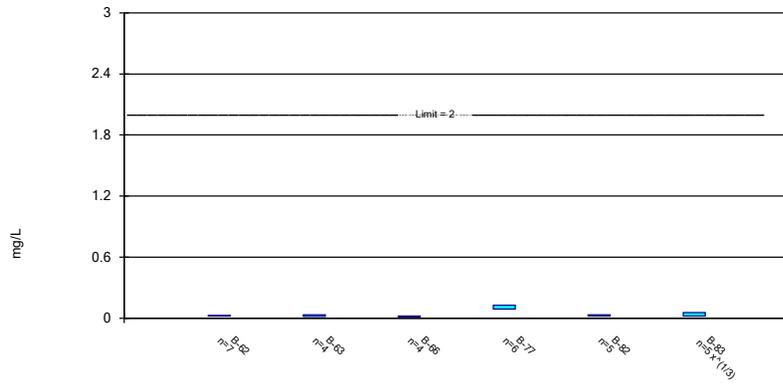
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Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

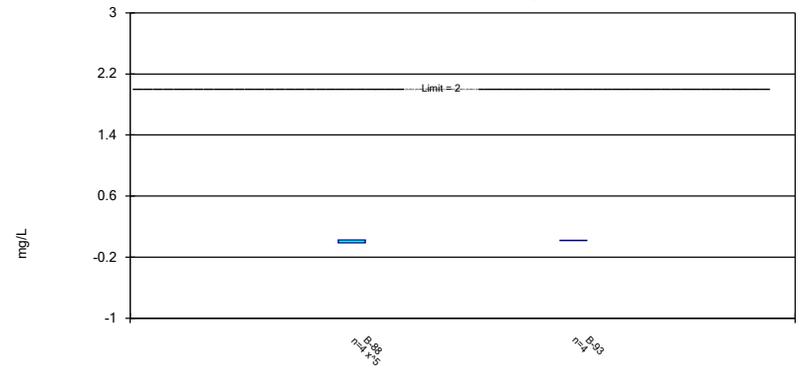
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Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

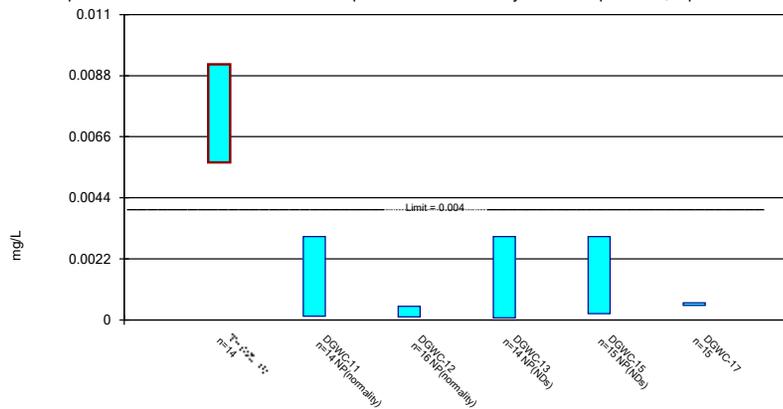
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Constituent: Barium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

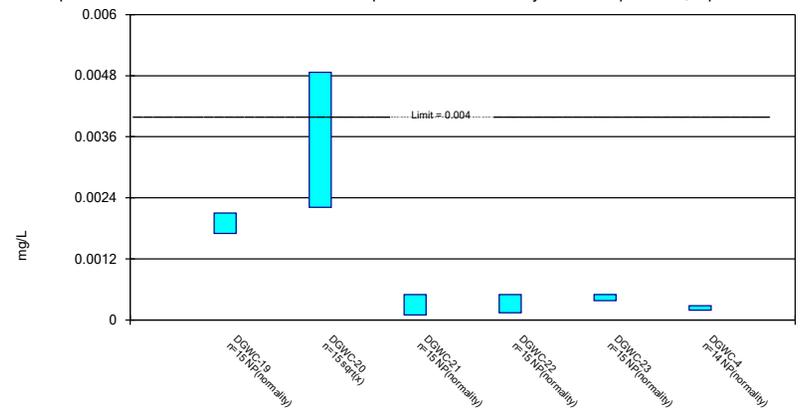
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Constituent: Beryllium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

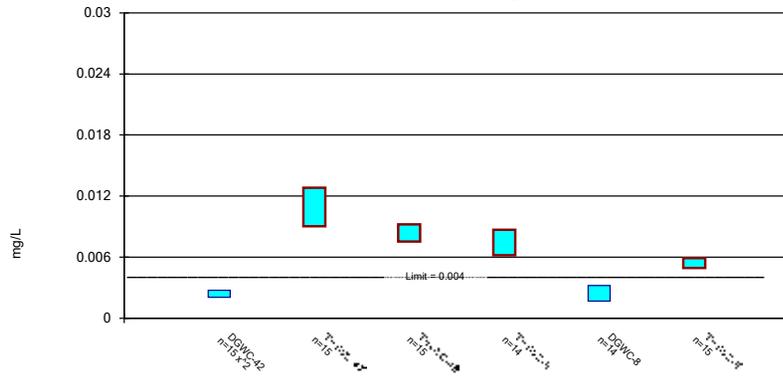
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Constituent: Beryllium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

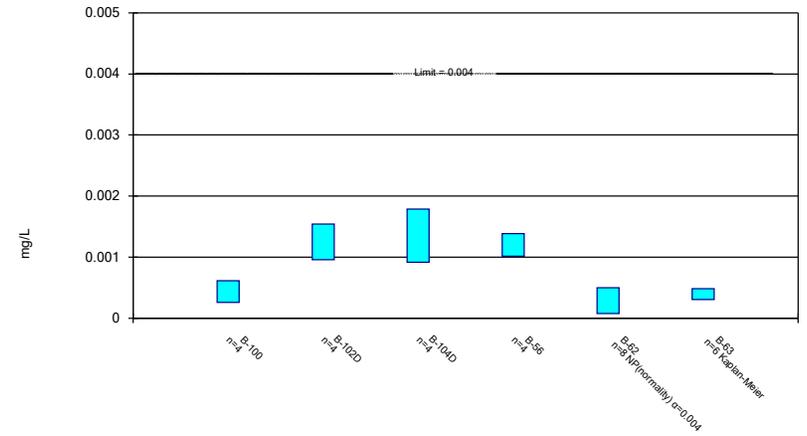
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Constituent: Beryllium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

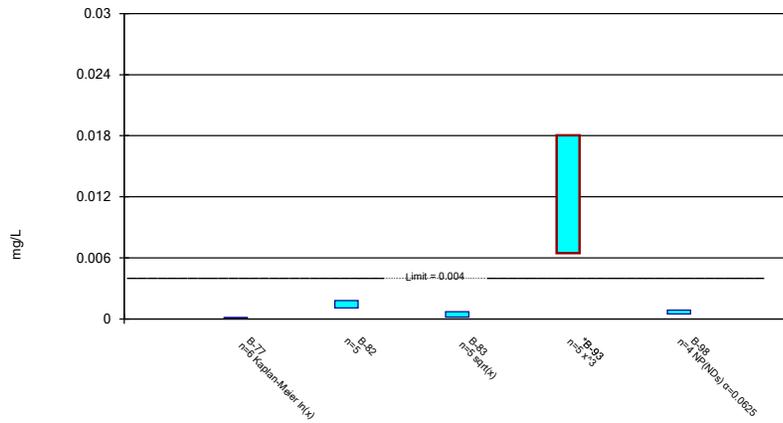
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Constituent: Beryllium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

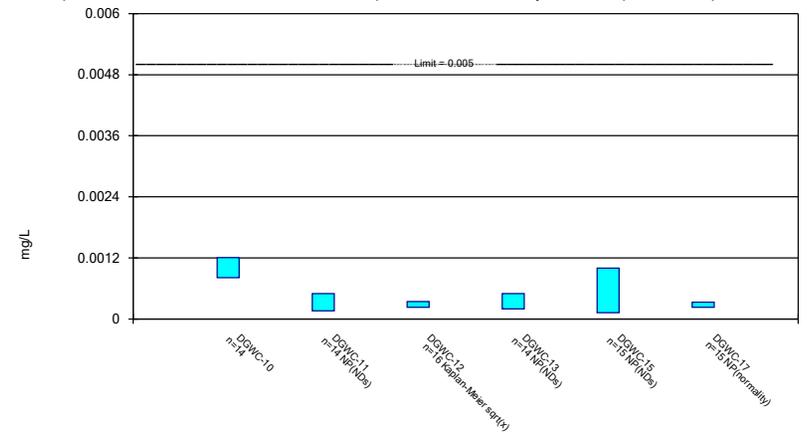
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Constituent: Beryllium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

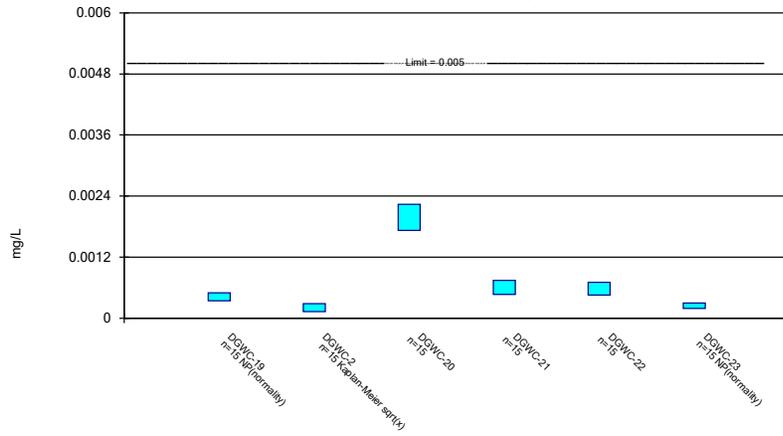
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Constituent: Cadmium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

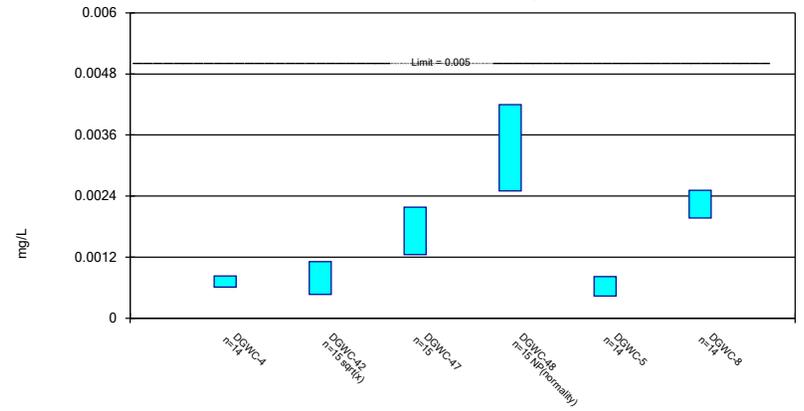
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Constituent: Cadmium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

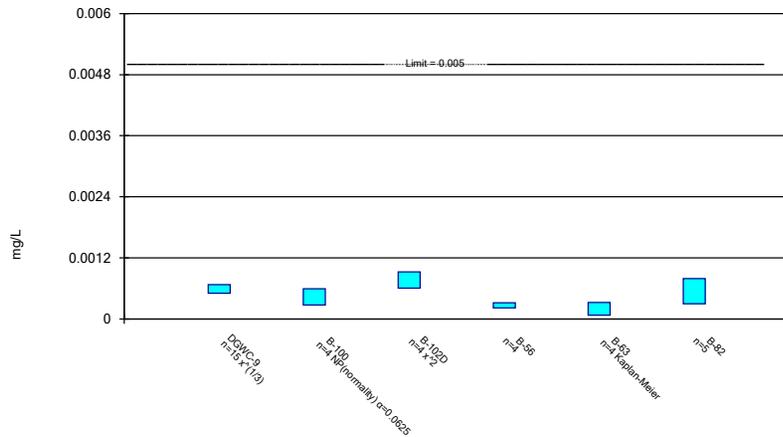
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Constituent: Cadmium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

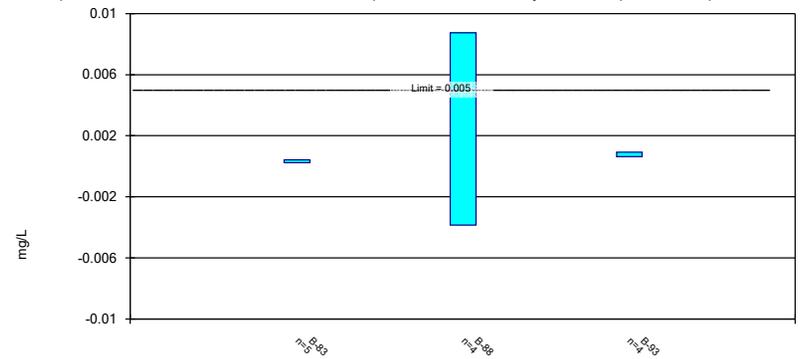
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cadmium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

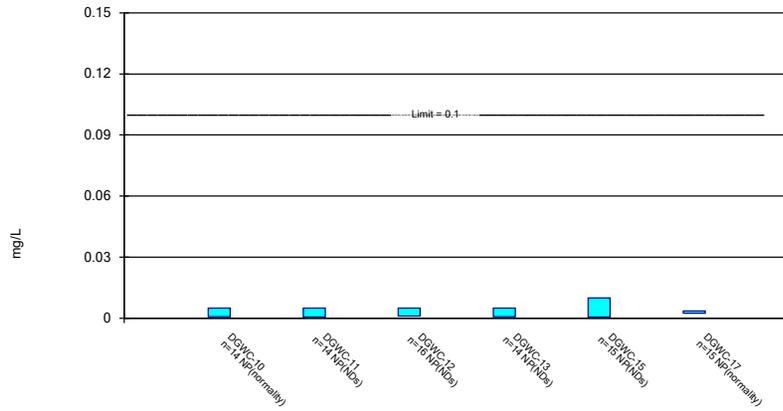
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cadmium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

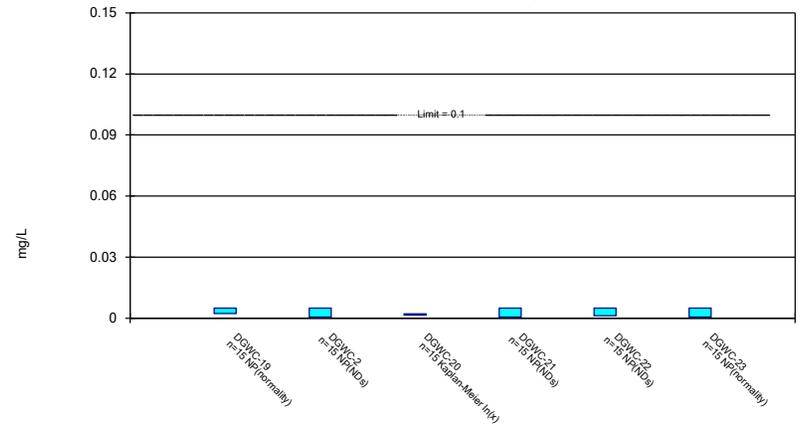
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Chromium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

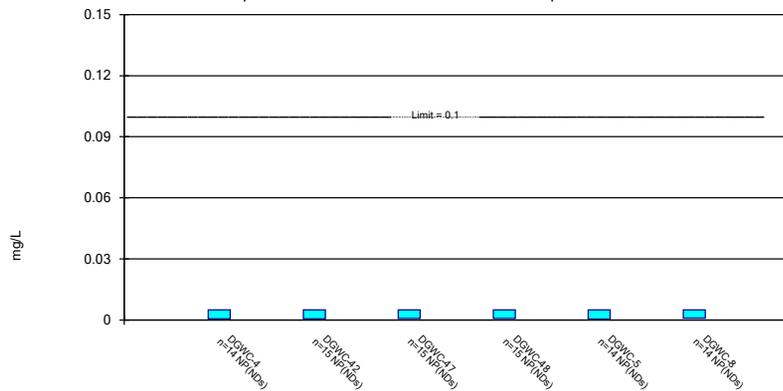
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Chromium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

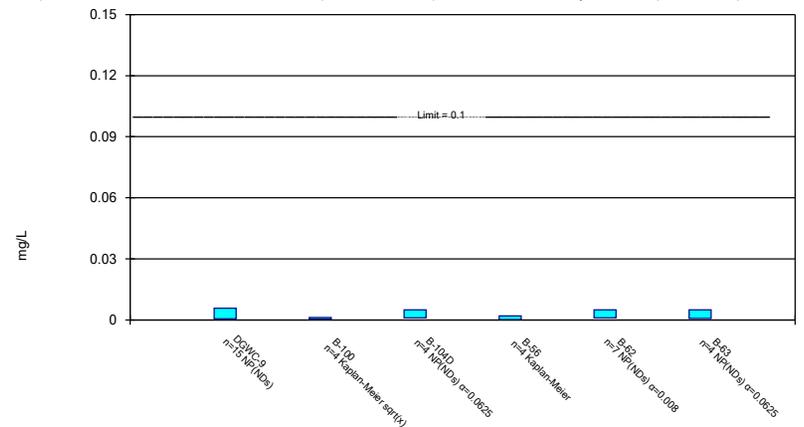
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Chromium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

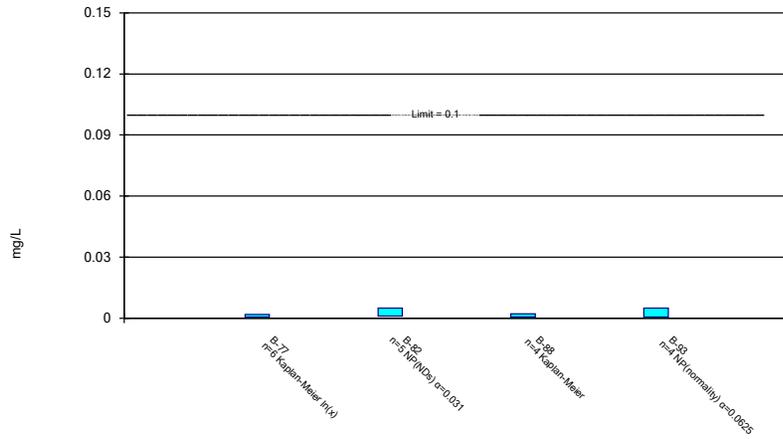
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Chromium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

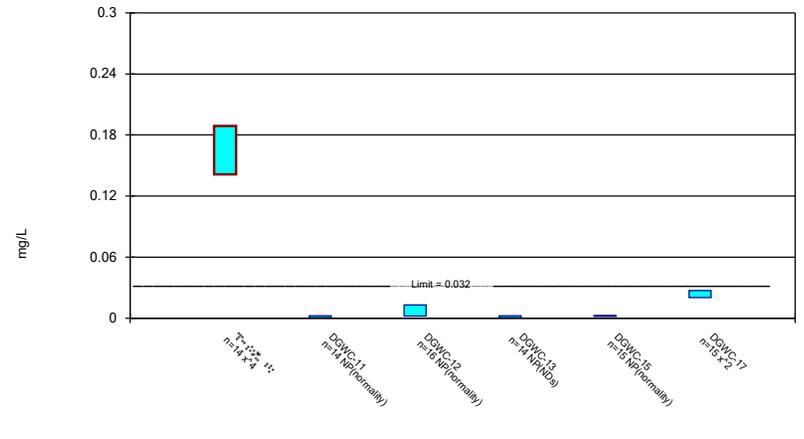
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Chromium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

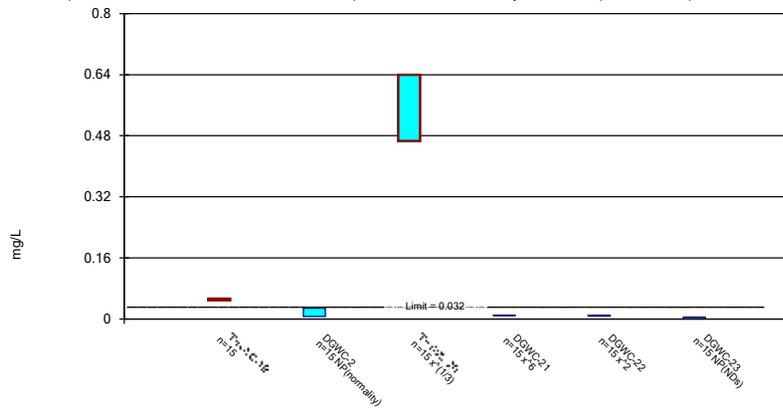
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

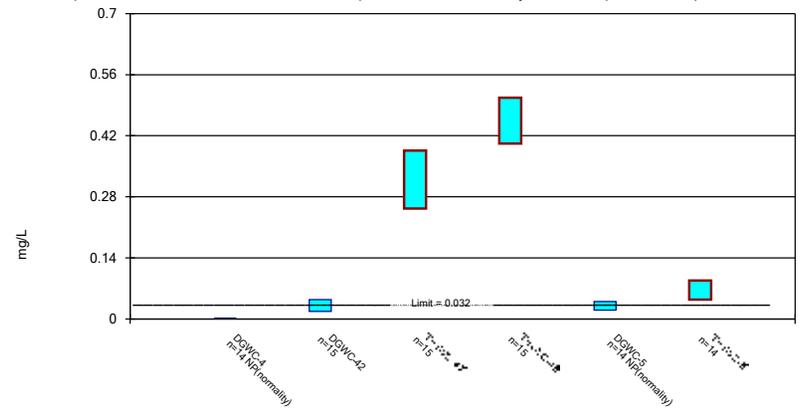
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

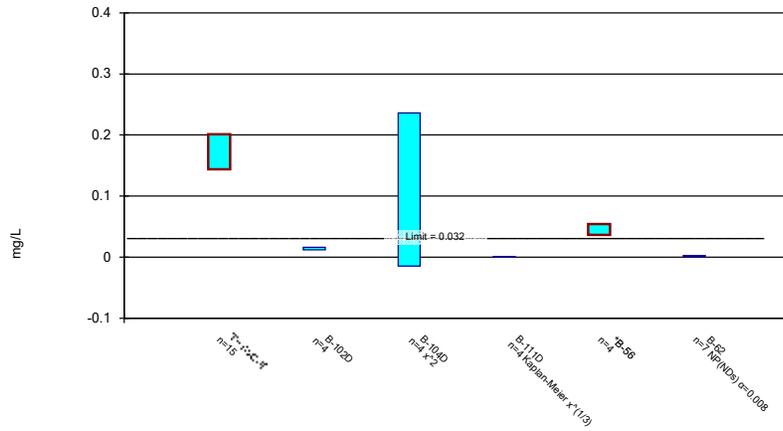
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

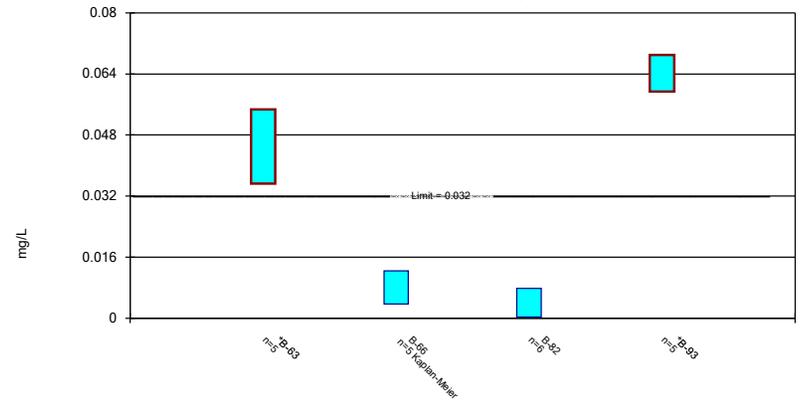
Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

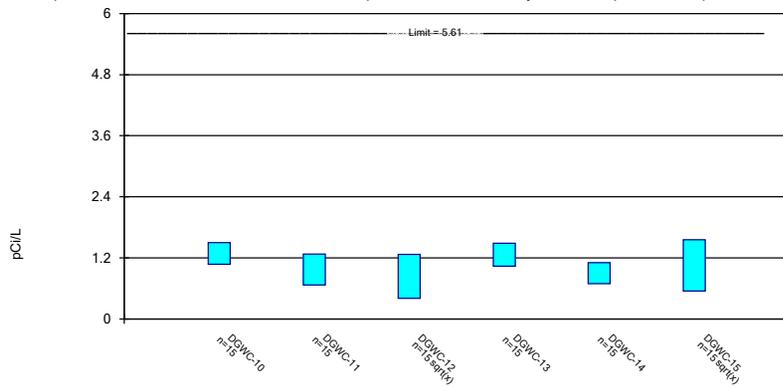
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

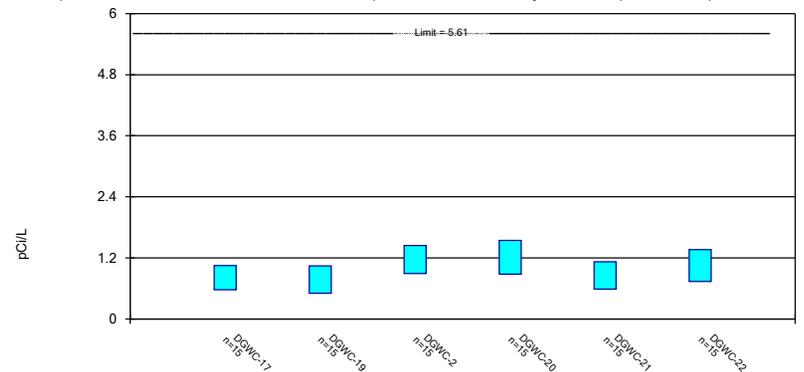
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

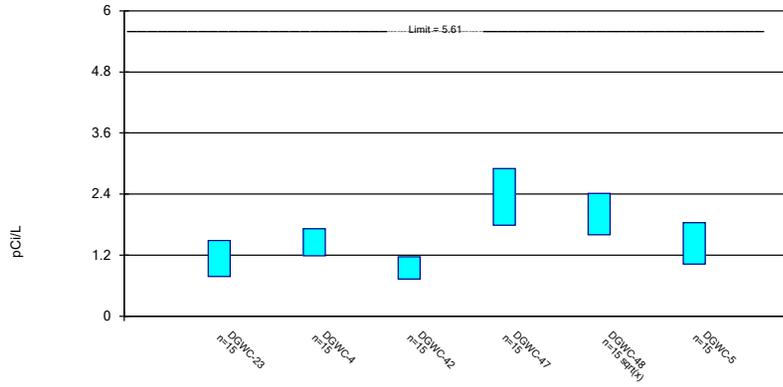
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

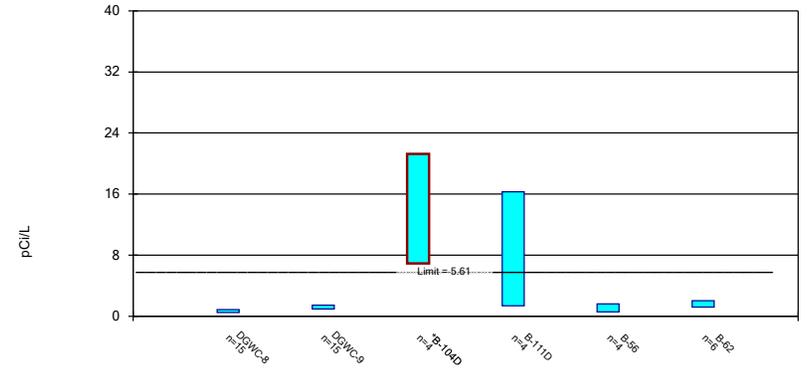
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Inte
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

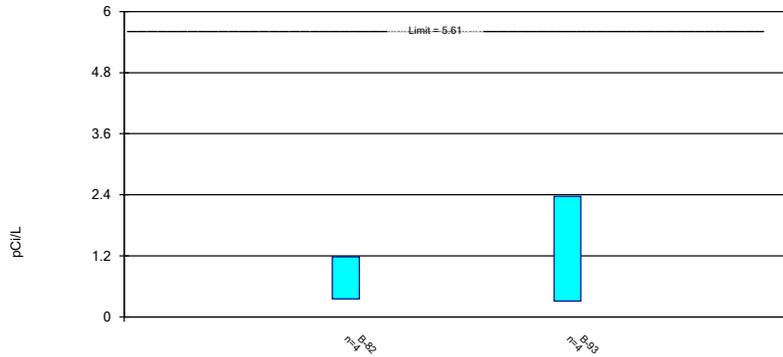
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Inte
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

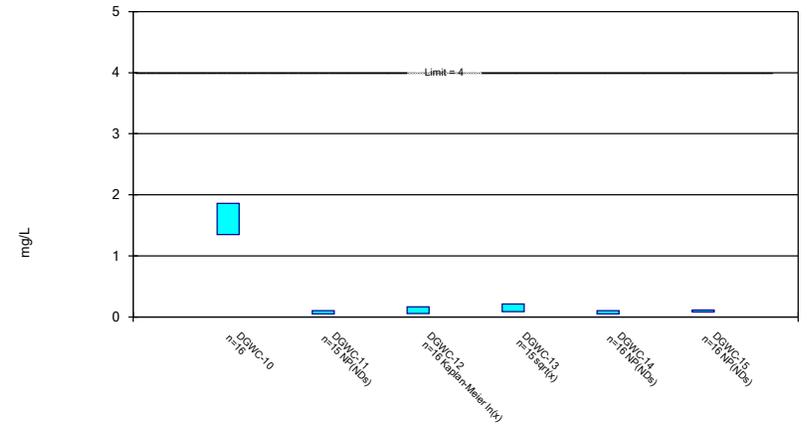
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Inte
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

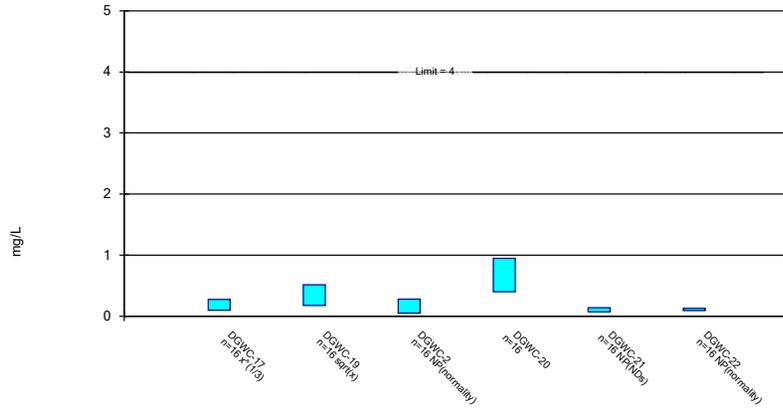
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride, total Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

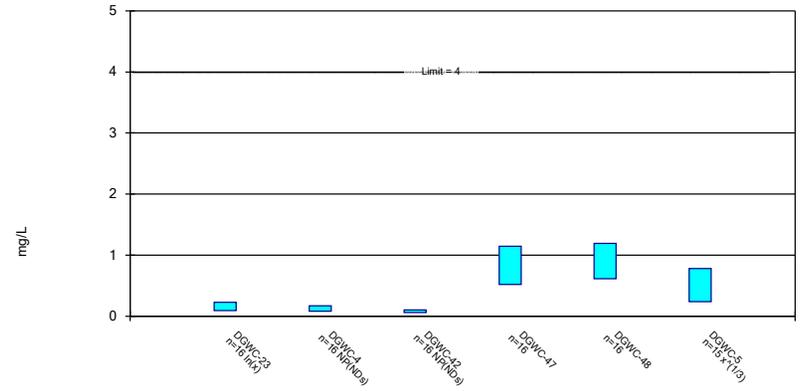
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride, total Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

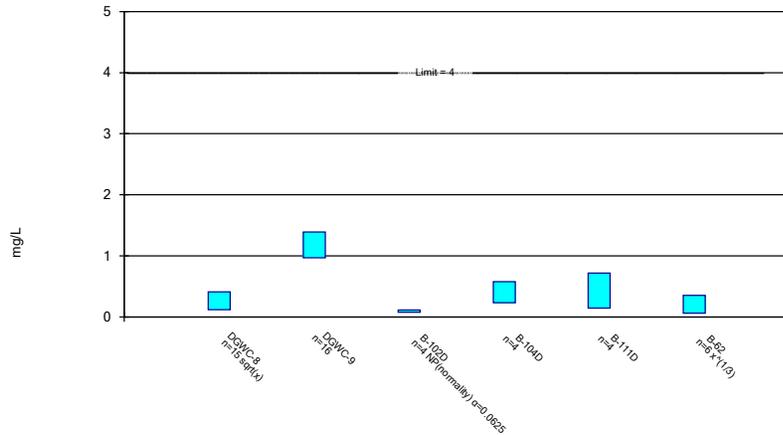
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride, total Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

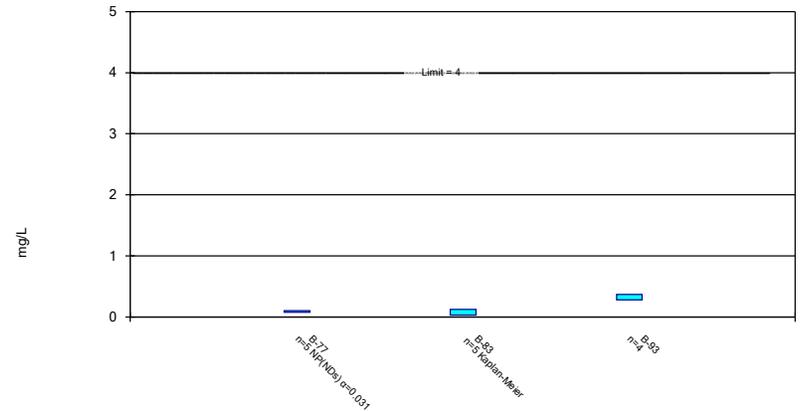
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride, total Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

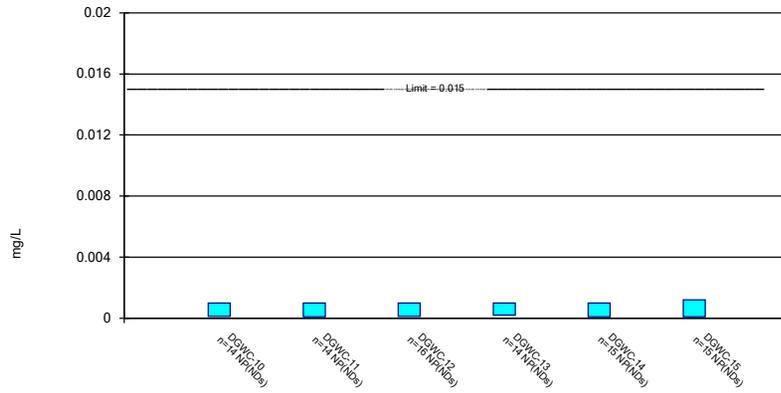
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride, total Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

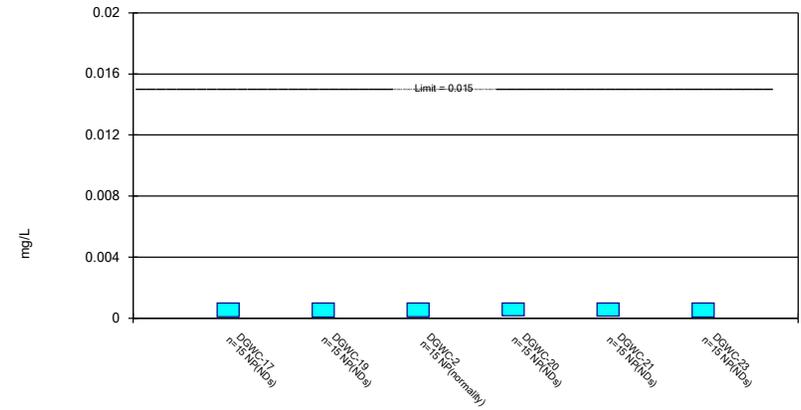
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lead Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

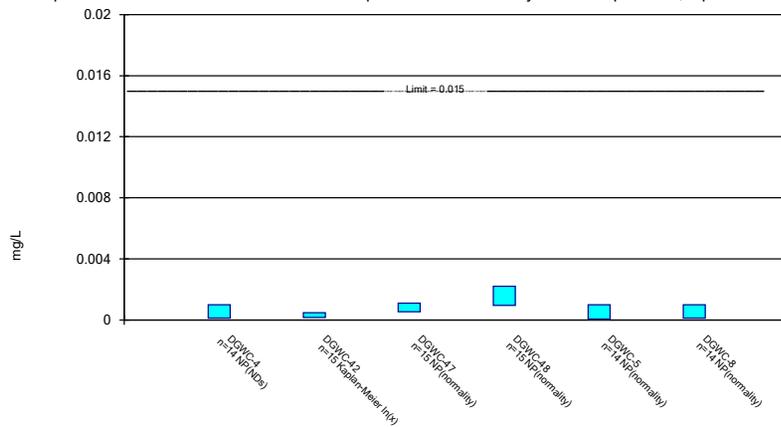
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lead Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

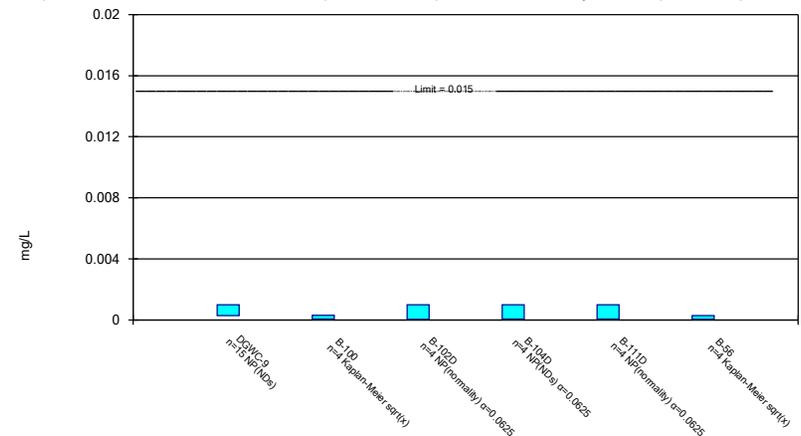
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lead Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

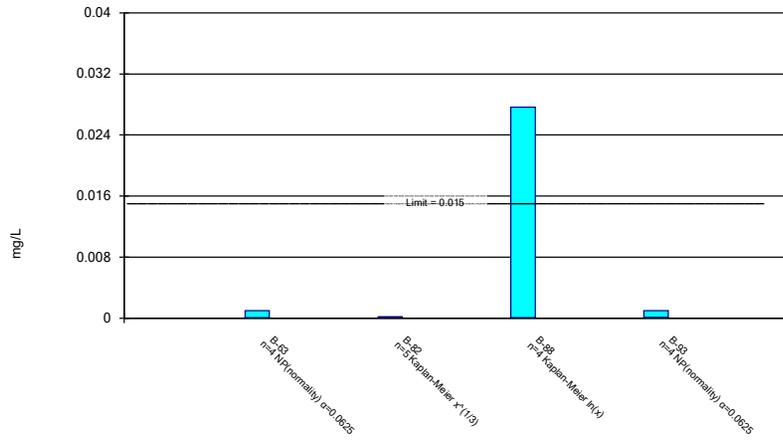
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lead Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

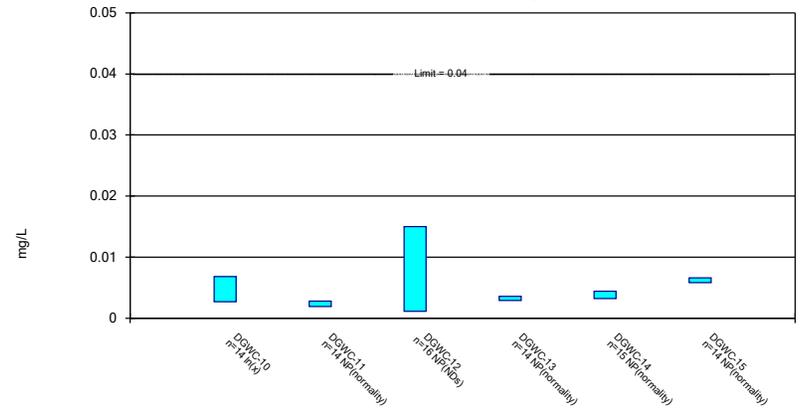
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lead Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

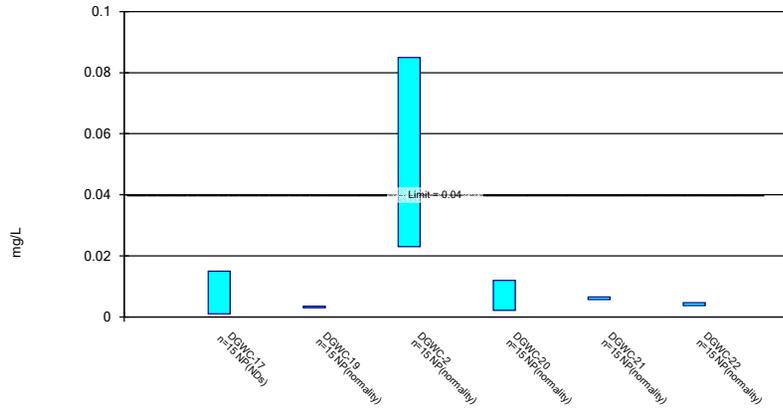
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

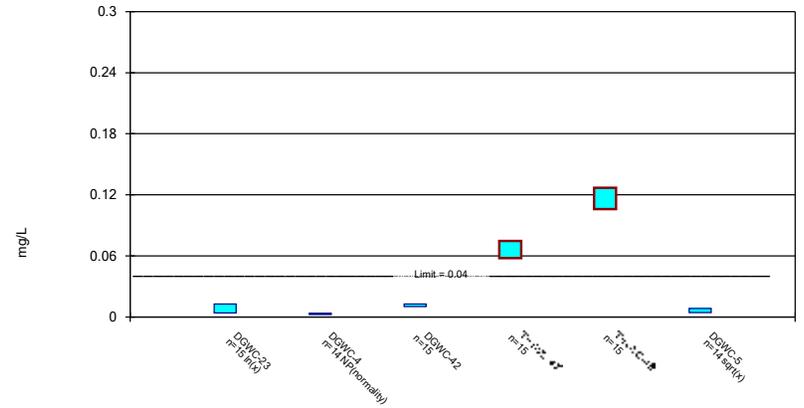
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lithium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

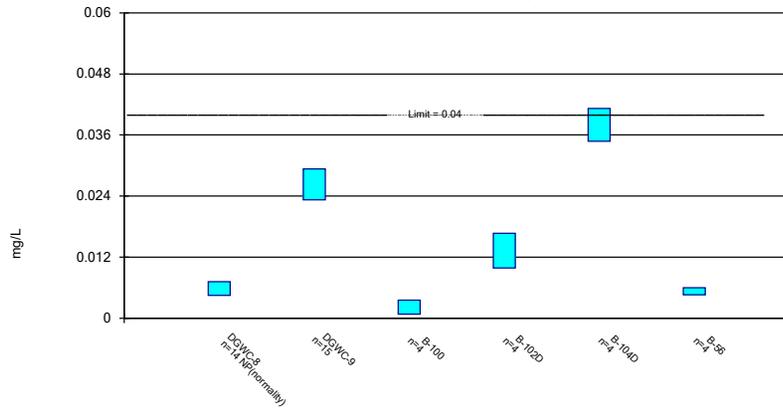
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

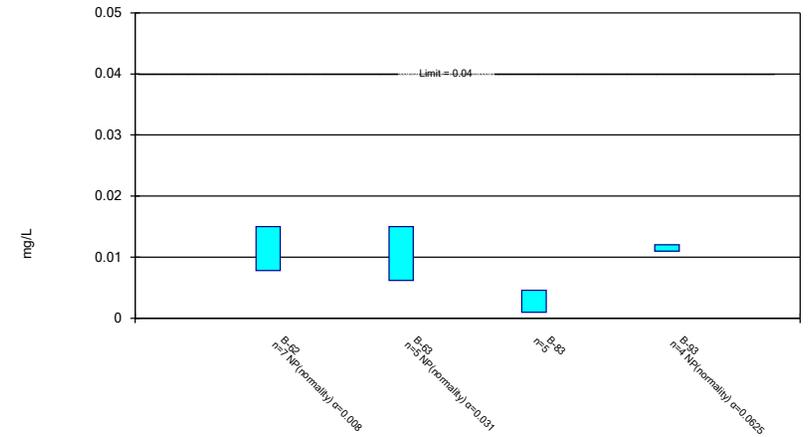
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

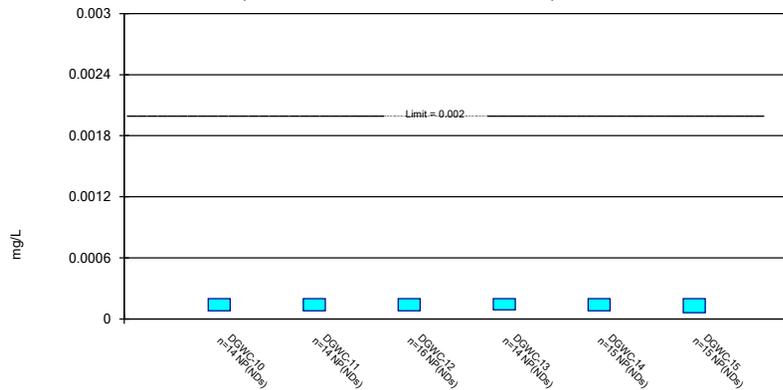
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

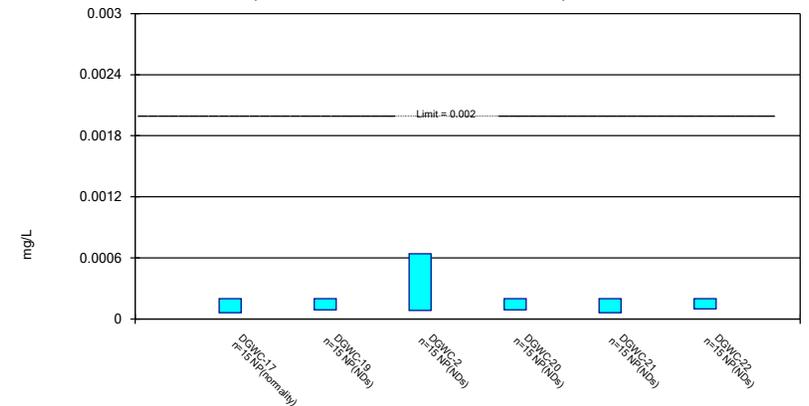
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Mercury Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

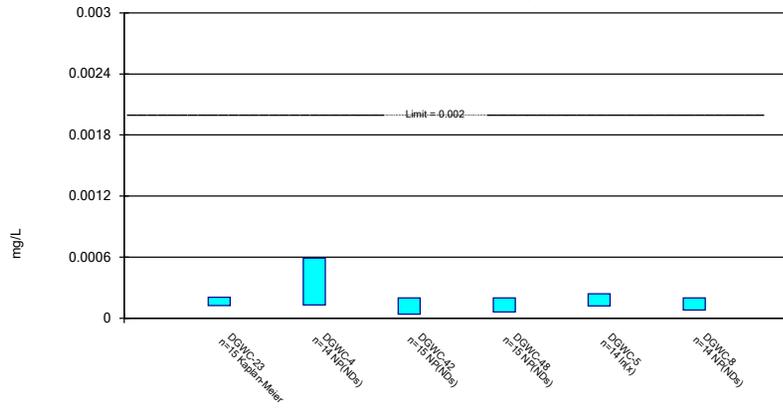
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Mercury Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

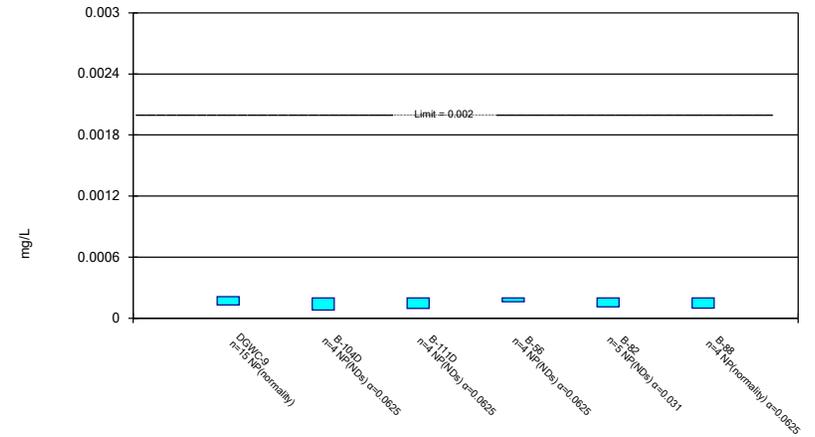
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Mercury Analysis Run 11/8/2021 2:40 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

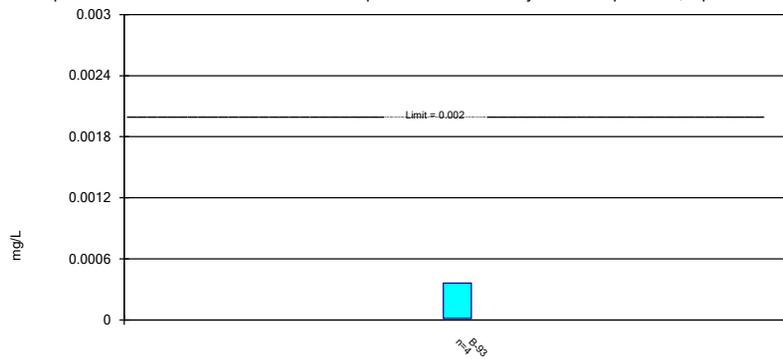
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Mercury Analysis Run 11/8/2021 2:41 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

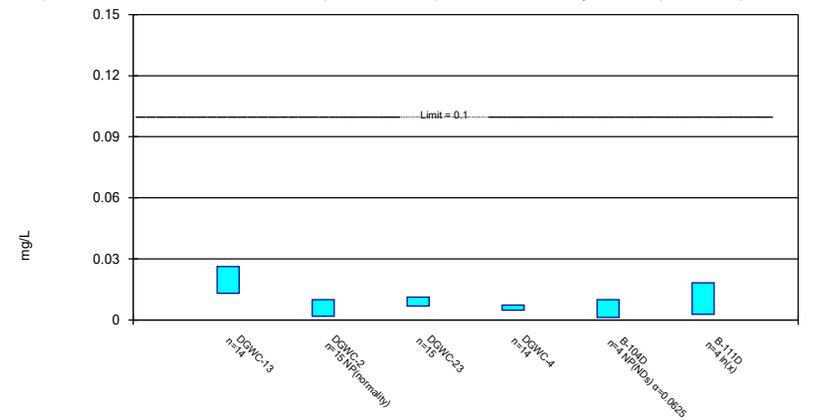
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Mercury Analysis Run 11/8/2021 2:41 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

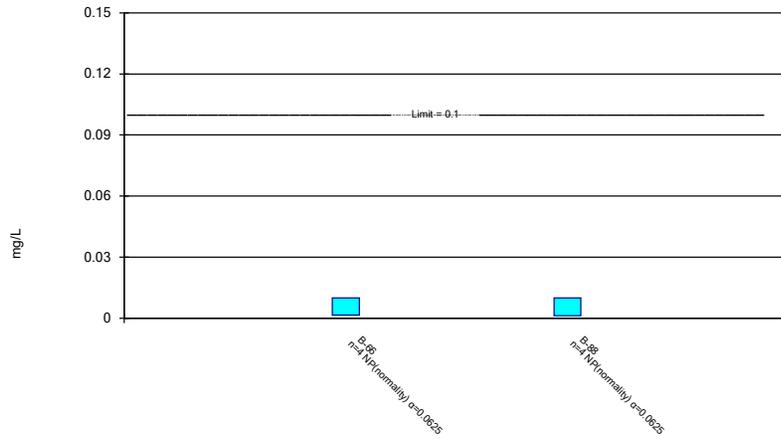
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 11/8/2021 2:41 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

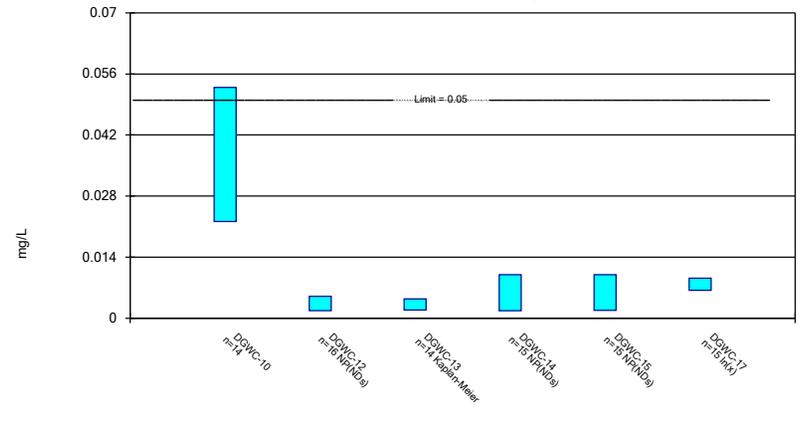
Compliance Limit is not exceeded.



Constituent: Molybdenum Analysis Run 11/8/2021 2:41 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

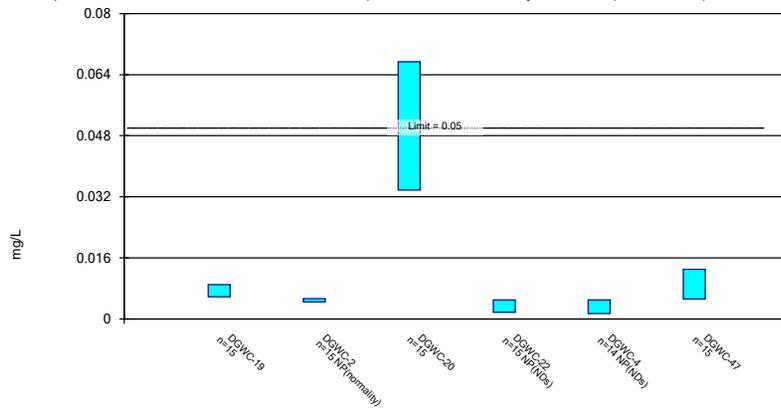
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 11/8/2021 2:41 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

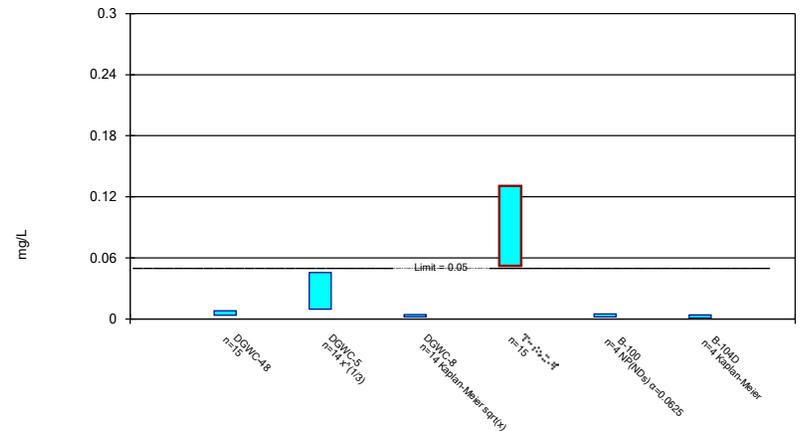
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 11/8/2021 2:41 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

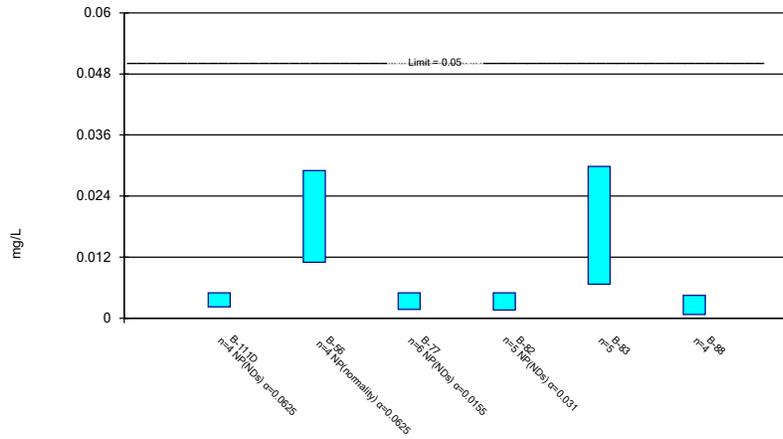
Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 11/8/2021 2:41 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

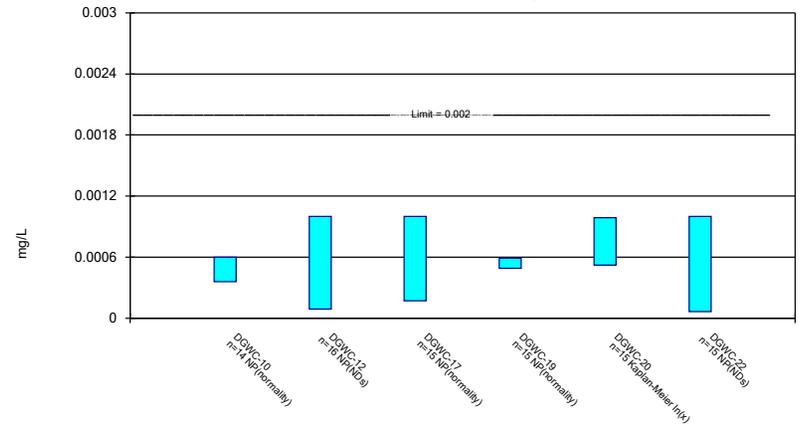
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 11/8/2021 2:41 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

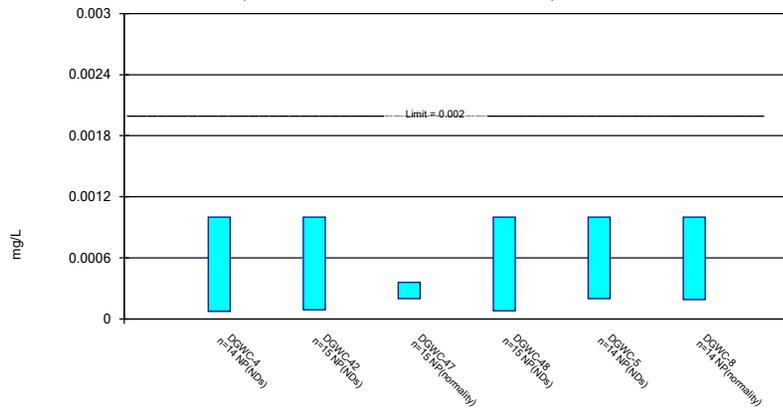
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Thallium Analysis Run 11/8/2021 2:41 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

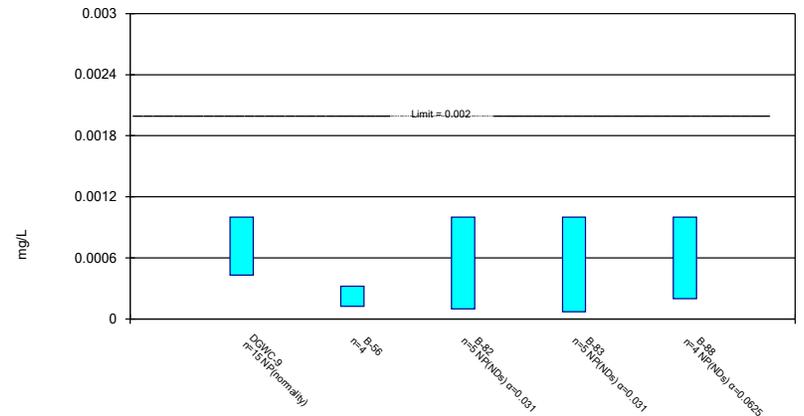
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Thallium Analysis Run 11/8/2021 2:41 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 11/8/2021 2:41 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-12	DGWC-14	DGWC-15	DGWC-17	DGWC-19	DGWC-2
8/31/2016		<0.003				
9/1/2016	<0.003				<0.003	
9/6/2016			<0.003			
9/7/2016				<0.003		
12/6/2016		<0.003				
12/7/2016	<0.003		<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		<0.003
5/11/2017						<0.003
6/15/2017						0.0006 (J)
7/11/2017						<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	<0.003	
2/27/2018	<0.003	<0.003				<0.003
2/28/2018			<0.003	<0.003	<0.003	
7/11/2018	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
11/6/2018						<0.003
11/7/2018	<0.003	<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)		<0.003	
9/17/2019	<0.003					
10/15/2019	<0.003					
10/16/2019		<0.003			<0.003	
10/17/2019			<0.003			<0.003
10/18/2019				<0.003		
3/2/2020	0.0003 (J)					
3/3/2020		<0.003	<0.003		<0.003	<0.003
3/4/2020				<0.003		
8/11/2020	<0.003	<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)			0.00036 (J)	
9/23/2020			<0.003			<0.003
9/24/2020				0.00045 (J)		
3/2/2021		<0.003	<0.003		<0.003	<0.003
3/3/2021	<0.003			<0.003		
9/9/2021	<0.003	<0.003	<0.003		<0.003	<0.003
9/13/2021				<0.003		
Mean	0.002831	0.002873	0.002671	0.00283	0.002824	0.00284
Std. Dev.	0.000675	0.0004906	0.0008724	0.0006584	0.0006816	0.0006197
Upper Lim.	0.003	0.003	0.003	0.003	0.003	0.003
Lower Lim.	0.0003	0.0011	0.00073	0.00045	0.00036	0.0006

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-21	DGWC-23	DGWC-4	DGWC-47	DGWC-48	DGWC-5
8/31/2016						<0.003
9/1/2016				<0.003	<0.003	
9/2/2016	<0.003					
12/6/2016						<0.003
12/8/2016	<0.003			<0.003	<0.003	
3/28/2017			<0.003			<0.003
3/30/2017	<0.003	<0.003			<0.003	
3/31/2017				<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
7/12/2017	<0.003	<0.003				
7/13/2017				<0.003	<0.003	
10/24/2017			<0.003			
10/25/2017	<0.003					<0.003
10/26/2017		<0.003		<0.003	<0.003	
2/27/2018			<0.003			<0.003
2/28/2018	<0.003					
3/1/2018		<0.003		<0.003		
3/2/2018					<0.003	
7/11/2018	0.0013 (J)					
7/12/2018		<0.003		<0.003	<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
8/29/2019	<0.003	<0.003		<0.003	<0.003	
10/15/2019			<0.003			
10/16/2019						<0.003
10/17/2019	<0.003			<0.003		
10/18/2019		<0.003			<0.003	
3/2/2020			0.00058 (J)			0.00032 (J)
3/3/2020	<0.003					
3/4/2020		<0.003		<0.003	<0.003	
8/12/2020			<0.003	<0.003		<0.003
8/13/2020		<0.003			<0.003	
8/14/2020	<0.003					
9/22/2020			<0.003			<0.003
9/23/2020				0.0012 (J)	0.00039 (J)	
9/24/2020	<0.003	<0.003				
3/1/2021			0.00049 (J)			
3/2/2021						0.0015 (J)
3/3/2021	<0.003	<0.003		<0.003	<0.003	
9/9/2021	<0.003	<0.003				
9/10/2021			<0.003	<0.003	0.0018 (J)	<0.003
Mean	0.002887	0.002847	0.002491	0.00288	0.002746	0.002701
Std. Dev.	0.0004389	0.0005939	0.001014	0.0004648	0.0007213	0.0007935
Upper Lim.	0.003	0.003	0.003	0.003	0.003	0.003
Lower Lim.	0.0013	0.0007	0.0008	0.0012	0.0018	0.0015

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	B-100	B-102D	B-104D	B-111D	B-62
8/30/2016	<0.003					
12/6/2016	<0.003					
3/29/2017	<0.003					
7/11/2017	<0.003					
10/24/2017	<0.003					
2/27/2018	<0.003					
11/6/2018	<0.003					
1/30/2019						<0.003
8/28/2019	<0.003					
9/11/2019						<0.003
10/16/2019	<0.003					
10/21/2019						<0.003
3/3/2020	<0.003					
8/12/2020	<0.003					
8/13/2020						<0.003
8/17/2020		0.0013 (J)				
9/23/2020	<0.003					
9/24/2020						0.00046 (J)
9/25/2020		<0.003				
12/9/2020				0.00079 (J)	<0.003	
12/17/2020			0.0016 (J)			
1/11/2021			<0.003			
1/12/2021				0.00048 (J)	<0.003	
3/2/2021	0.00046 (J)					
3/4/2021			<0.003	0.00077 (J)		
3/5/2021					0.0006 (J)	
3/8/2021		0.0017 (J)				
3/12/2021						<0.003
9/9/2021						<0.003
9/10/2021			<0.003			
9/13/2021	<0.003	<0.003				
9/14/2021				<0.003	<0.003	
Mean	0.002819	0.00225	0.00265	0.00126	0.0024	0.002637
Std. Dev.	0.0006788	0.0008813	0.0007	0.001169	0.0012	0.00096
Upper Lim.	0.003	0.001954	0.003	0.001068	0.003	0.003
Lower Lim.	0.00046	0.001046	0.0016	0.0003847	0.0006	0.00046

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

	B-63	B-77	B-93
1/28/2019	<0.003		
9/11/2019	<0.003		
9/18/2019		<0.003	
10/22/2019	0.00066 (J)		
10/24/2019		<0.003	
8/13/2020		0.00043 (J)	
8/19/2020			<0.003
9/24/2020		0.00036 (J)	
9/28/2020			0.0014 (J)
3/4/2021		0.00063 (J)	
3/9/2021			<0.003
9/14/2021	<0.003	<0.003	
9/15/2021			<0.003
Mean	0.002415	0.001737	0.0026
Std. Dev.	0.00117	0.001387	0.0008
Upper Lim.	0.003	0.003	0.003
Lower Lim.	0.00066	0.00036	0.0014

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-10	DGWC-12	DGWC-14	DGWC-15	DGWC-17	DGWC-19
8/31/2016	0.0058		<0.005			
9/1/2016		<0.005				0.0022 (J)
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		<0.005
12/8/2016					<0.005	
3/29/2017	0.0055	<0.005	<0.005			0.002 (J)
3/30/2017				0.0006 (J)	0.0008 (J)	
7/12/2017	0.0042 (J)	<0.005	<0.005	<0.005	<0.005	0.0016 (J)
10/24/2017	0.0058					
10/25/2017		0.0006 (J)	<0.005	<0.005	0.0007 (J)	0.0022 (J)
2/27/2018	0.0105	<0.005	<0.005			
2/28/2018				<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 (J)					
11/7/2018		<0.005	<0.005	<0.005	<0.005	<0.005 (J)
8/27/2019	0.0024 (J)	<0.005	<0.005		<0.005	
8/28/2019				<0.005		0.00049 (J)
9/17/2019		<0.005				
10/15/2019	0.0078	0.00063 (J)				
10/16/2019			0.00039 (J)			0.00046 (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		<0.005
3/4/2020					0.0014 (J)	
8/11/2020	0.0028 (J)	<0.005	<0.005			0.0014 (J)
8/13/2020				0.0013 (J)		
8/14/2020					<0.005	
9/22/2020		<0.005	<0.005			0.0017 (J)
9/23/2020				<0.005		
9/24/2020	0.0078				0.0011 (J)	
3/2/2021			<0.005	<0.005		0.0013 (J)
3/3/2021		<0.005			<0.005	
3/4/2021	0.006					
9/9/2021		<0.005	<0.005	<0.005		0.0027 (J)
9/10/2021	0.0076					
9/13/2021					<0.005	
Mean	0.005386	0.004452	0.004693	0.004169	0.003395	0.002317
Std. Dev.	0.002519	0.001498	0.00119	0.001726	0.002042	0.001551
Upper Lim.	0.00717	0.005	0.005	0.005	0.005	0.002035
Lower Lim.	0.003601	0.00063	0.00039	0.0013	0.0008	0.0009847

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-2	DGWC-20	DGWC-22	DGWC-4	DGWC-42	DGWC-47
9/1/2016						0.0037 (J)
9/2/2016		0.0159	<0.005			
9/7/2016					<0.005	
12/7/2016		0.0037 (J)				
12/8/2016			<0.005		<0.005	0.0032 (J)
3/28/2017				0.0005 (J)		
3/29/2017		0.015	<0.005			
3/30/2017	<0.005					
3/31/2017					0.0007 (J)	0.0031 (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		0.0121				
7/13/2017			<0.005		<0.005	0.0018 (J)
10/24/2017	<0.005			<0.005		
10/25/2017		0.0135	<0.005		<0.005	
10/26/2017						0.0016 (J)
2/27/2018	<0.005			<0.005		
2/28/2018		0.0177	0.001 (J)		0.0011 (J)	
3/1/2018						0.0029 (J)
7/11/2018	<0.005	0.0055			<0.005	
7/12/2018			<0.005			0.0023 (J)
11/6/2018	<0.005			<0.005		
11/7/2018		0.0054	<0.005		<0.005	<0.005 (J)
8/27/2019	0.00099 (J)			<0.005		
8/28/2019					<0.005	
8/29/2019		0.0064	<0.005			0.00089 (J)
10/15/2019				<0.005		
10/17/2019	<0.005	0.0094			<0.005	0.0013 (J)
10/18/2019			<0.005			
3/2/2020				<0.005		
3/3/2020	0.0025 (J)		<0.005			
3/4/2020		0.029			<0.005	0.0012 (J)
8/11/2020	<0.005					
8/12/2020				<0.005		0.00081 (J)
8/13/2020		0.014			<0.005	
8/14/2020			<0.005			
9/22/2020		0.0063		<0.005	<0.005	
9/23/2020	<0.005					<0.005
9/24/2020			<0.005			
3/1/2021				<0.005		
3/2/2021	<0.005	0.019				
3/3/2021			<0.005		<0.005	<0.005
9/9/2021	<0.005					
9/10/2021		0.0083	<0.005	<0.005		0.0016 (J)
9/13/2021					<0.005	
Mean	0.004566	0.01208	0.004733	0.004057	0.004453	0.002627
Std. Dev.	0.00118	0.006761	0.001033	0.001875	0.001445	0.001504
Upper Lim.	0.005	0.01666	0.005	0.005	0.005	0.002647
Lower Lim.	0.0025	0.007499	0.001	0.0008	0.0011	0.001328

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-48	DGWC-5	DGWC-8	DGWC-9	B-104D	B-111D
8/30/2016			<0.005	0.0241		
8/31/2016		0.0035 (J)				
9/1/2016	<0.005					
12/6/2016		0.0032 (J)	<0.005	<0.005		
12/8/2016	<0.005					
3/28/2017		0.0385		0.0243		
3/29/2017			0.001 (J)			
3/30/2017	0.0015 (J)					
7/11/2017		0.0203	0.0012 (J)	0.0194		
7/13/2017	0.0012 (J)					
10/24/2017			0.0015 (J)	0.0249		
10/25/2017		0.0119				
10/26/2017	0.0008 (J)					
2/27/2018		0.0094	0.002 (J)	0.0405		
3/2/2018	0.0017 (J)					
7/11/2018				0.016		
7/12/2018	0.0015 (J)					
11/6/2018		<0.005	<0.005	0.017		
11/7/2018	<0.005					
8/27/2019		<0.005		0.021		
8/28/2019			<0.005			
8/29/2019	<0.005					
10/16/2019		0.0036 (J)	<0.005			
10/17/2019				0.033		
10/18/2019	0.00079 (J)					
3/2/2020		0.0052				
3/3/2020			0.00096 (J)	0.015		
3/4/2020	0.0006 (J)					
8/11/2020				0.022		
8/12/2020		0.002 (J)	<0.005			
8/13/2020	<0.005					
9/22/2020		0.0062		0.04		
9/23/2020	<0.005		<0.005			
12/9/2020				<0.005	<0.005	
1/12/2021				<0.005	<0.005	
3/2/2021		0.0013 (J)	<0.005	0.021		
3/3/2021	<0.005					
3/4/2021				0.0025 (J)		
3/5/2021					0.0023 (J)	
9/10/2021	<0.005	0.0031 (J)		0.031		
9/13/2021			<0.005			
9/14/2021					0.0019 (J)	0.0029 (J)
Mean	0.003206	0.008443	0.00369	0.02361	0.0036	0.0038
Std. Dev.	0.002005	0.009971	0.001839	0.009468	0.001635	0.001407
Upper Lim.	0.005	0.0118	0.005	0.03003	0.002881	0.003281
Lower Lim.	0.0008	0.002817	0.0012	0.0172	0.001519	0.001919

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

	B-56	B-77	B-93
9/18/2019		<0.005	
10/24/2019		0.0029 (J)	
8/13/2020		0.002 (J)	
8/17/2020	0.0032 (J)		
8/19/2020			0.0013 (J)
9/24/2020		0.0025 (J)	
9/28/2020	0.0047 (J)		0.0027 (J)
3/3/2021	0.003 (J)		
3/4/2021		0.002 (J)	
3/9/2021			<0.005
9/13/2021	0.0031 (J)		
9/14/2021		<0.005	
9/15/2021			<0.005
Mean	0.0035	0.003233	0.0035
Std. Dev.	0.0008042	0.001409	0.001824
Upper Lim.	0.0047	0.002882	0.003589
Lower Lim.	0.003	0.001869	0.0004108

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/8/2021 2:54 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	0.0321	0.0545			0.0576	
9/1/2016			0.0254			
9/6/2016				0.0297		0.0497
12/6/2016	0.029	0.0564			0.0608	
12/7/2016			0.0241	0.0266		0.0469
3/29/2017	0.0335	0.0565	0.0268		0.0693	
3/30/2017				0.0308		0.0495
7/12/2017	0.0314	0.0572	0.0262	0.0291	0.0585	0.0517
10/24/2017	0.0317	0.0596				
10/25/2017			0.0268		0.0563	0.0474
11/15/2017				0.0309		
2/27/2018	0.028	0.0672	0.0255		0.0591	
2/28/2018				<0.01		0.0455
7/11/2018			0.026		0.061	0.05
11/6/2018	0.025	0.074				
11/7/2018			0.028	0.034	0.055	0.042
8/27/2019	0.021	0.071	0.024		0.059	
8/28/2019				0.033		0.047
9/17/2019			0.02			
10/15/2019	0.024	0.064	0.02			
10/16/2019				0.034	0.059	
10/17/2019						0.046
3/2/2020		0.071	0.04			
3/3/2020	0.024			0.035	0.064	0.05
8/11/2020	0.024	0.064	0.028		0.061	
8/12/2020				0.032		
8/13/2020						0.06
9/22/2020		0.058	0.036		0.06	
9/23/2020				0.03		0.043
9/24/2020	0.021					
3/2/2021		0.052		0.03	0.064	0.043
3/3/2021			0.035			
3/4/2021	0.025					
9/9/2021		0.054	0.04	0.027	0.059	0.041
9/10/2021	0.019					
Mean	0.02634	0.06139	0.02824	0.02908	0.06024	0.04751
Std. Dev.	0.004637	0.007138	0.006231	0.007369	0.003493	0.004744
Upper Lim.	0.02962	0.06644	0.03199	0.03292	0.06261	0.05073
Lower Lim.	0.02305	0.05633	0.02415	0.02732	0.05787	0.0443

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/8/2021 2:54 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		0.0214				
9/2/2016				0.0097 (J)	0.0252	0.0397
9/7/2016	0.0694					
12/7/2016		0.0191		0.0087 (J)		
12/8/2016	0.062				0.0262	0.0408
3/29/2017		0.0209		0.0094 (J)		0.0417
3/30/2017	0.0615		0.0232		0.0272	
5/11/2017			0.0231			
6/15/2017			0.0223			
7/11/2017			0.0201			
7/12/2017	0.0532	0.0212		0.0099 (J)	0.0276	
7/13/2017						0.0376
10/24/2017			0.0206			
10/25/2017	0.0544	0.021		0.0096 (J)	0.0262	0.0384
2/27/2018			0.0207			
2/28/2018	0.0527	0.0213		<0.01	0.027	0.0353
7/11/2018	0.053	0.023	0.022	0.01	0.027	
7/12/2018						0.036
11/6/2018			0.021			
11/7/2018	0.044	0.024		0.011	0.024	0.031
8/27/2019	0.05		0.023			
8/28/2019		0.026				
8/29/2019				0.018	0.027	0.031
10/16/2019		0.024				
10/17/2019			0.022	0.015	0.027	
10/18/2019	0.045					0.032
3/3/2020		0.028	0.022		0.027	0.035
3/4/2020	0.044			0.017		
8/11/2020		0.027	0.022			
8/13/2020				0.019		
8/14/2020	0.046				0.027	0.035
9/22/2020		0.026		0.011		
9/23/2020			0.023			
9/24/2020	0.033				0.024	0.031
3/2/2021		0.026	0.023	0.021		
3/3/2021	0.036				0.024	0.031
9/9/2021		0.025	0.022		0.023	
9/10/2021				0.0098		0.027
9/13/2021	0.031					
Mean	0.04901	0.02359	0.022	0.01227	0.02596	0.03483
Std. Dev.	0.01083	0.002686	0.001	0.004566	0.001505	0.004281
Upper Lim.	0.05635	0.02541	0.02268	0.01537	0.0272	0.03773
Lower Lim.	0.04167	0.02177	0.02132	0.009179	0.024	0.03193

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/8/2021 2:54 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						0.0266 (O)
9/1/2016				0.0162	0.0157	
9/7/2016			0.0194			
12/6/2016						0.0186
12/8/2016			0.0189	0.0247	0.0155	
3/28/2017		0.0363				0.0187
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)
7/12/2017	0.0186					
7/13/2017			0.021	0.0165	0.014	
10/24/2017		0.0351				
10/25/2017			0.0196			0.0175
10/26/2017	0.0176			0.0152	0.0117	
2/27/2018		0.0364				0.0172
2/28/2018			0.0171			
3/1/2018	0.0164			0.0164		
3/2/2018					0.0131	
7/11/2018			0.02			
7/12/2018	0.022			0.015	0.013	
11/6/2018		0.035				0.016
11/7/2018			0.017	0.02	0.014	
11/8/2018	0.022					
8/27/2019		0.036				0.017
8/28/2019			0.018			
8/29/2019	0.025			0.018	0.014	
10/15/2019		0.033				
10/16/2019						0.02
10/17/2019			0.018	0.019		
10/18/2019	0.019				0.014	
3/2/2020		0.036				0.018
3/4/2020	0.032		0.015	0.017	0.014	
8/12/2020		0.036		0.016		0.017
8/13/2020	0.027		0.027		0.013	
9/22/2020		0.03	0.016			0.017
9/23/2020				0.014	0.013	
9/24/2020	0.02					
3/1/2021		0.039				
3/2/2021						0.017
3/3/2021	0.019		0.015	0.02	0.014	
9/9/2021	0.021					
9/10/2021		0.032		0.021	0.013	0.015
9/13/2021			0.014			
Mean	0.02113	0.03419	0.01836	0.01786	0.01367	0.01742
Std. Dev.	0.004092	0.002802	0.003153	0.002794	0.001016	0.001247
Upper Lim.	0.0236	0.03617	0.0205	0.01975	0.01436	0.01834
Lower Lim.	0.01844	0.0322	0.01622	0.01597	0.01298	0.01649

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-102D	B-104D	B-111D	B-56
8/30/2016	0.0435	0.0162				
12/6/2016	0.0431	0.0138				
3/28/2017		0.017				
3/29/2017	0.044					
7/11/2017	0.0389	0.0154 (J)				
10/24/2017	0.0369	0.0148				
2/27/2018	0.0346	0.0148				
7/11/2018		0.017				
11/6/2018	0.027	0.015				
8/27/2019		0.016				
8/28/2019	0.025					
10/16/2019	0.027					
10/17/2019		0.015				
3/3/2020	0.026	0.016				
8/11/2020		0.016				
8/12/2020	0.034					
8/17/2020						0.03
9/22/2020		0.015				
9/23/2020	0.025					
9/28/2020						0.026
12/9/2020				0.026	0.027	
12/17/2020			0.022			
1/11/2021			0.024			
1/12/2021				0.022	0.027	
3/2/2021	0.029	0.017				
3/3/2021						0.028
3/4/2021			0.022	0.021		
3/5/2021					0.038	
9/10/2021		0.014	0.02			
9/13/2021	0.019					0.026
9/14/2021				0.021	0.043	
Mean	0.03236	0.01553	0.022	0.0225	0.03375	0.0275
Std. Dev.	0.008048	0.00103	0.001633	0.00238	0.008057	0.001915
Upper Lim.	0.03806	0.01623	0.02571	0.026	0.05204	0.03185
Lower Lim.	0.02666	0.01484	0.01829	0.021	0.01546	0.02315

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	B-62	B-63	B-66	B-77	B-82	B-83
1/28/2019		0.028				
1/30/2019	0.018		0.016			
9/11/2019	0.023	0.021				
9/12/2019			0.017			
9/18/2019				0.086		
9/23/2019					0.031	
10/21/2019	0.026		0.018		0.03	0.034
10/22/2019		0.021				
10/24/2019				0.1		
8/13/2020	0.026			0.11		
8/14/2020						0.056
8/17/2020					0.024	
9/24/2020	0.025			0.12		
9/25/2020						0.027
9/28/2020					0.023	
3/4/2021				0.11		0.032
3/12/2021	0.027					
9/9/2021	0.021					
9/14/2021		0.026	0.018	0.12	0.022	
9/16/2021						0.03
Mean	0.02371	0.024	0.01725	0.1077	0.026	0.0358
Std. Dev.	0.003251	0.003559	0.0009574	0.01299	0.004183	0.01158
Upper Lim.	0.02758	0.03208	0.01942	0.1255	0.03301	0.05537
Lower Lim.	0.01985	0.01592	0.01508	0.08983	0.01899	0.02029

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

	B-88	B-93
8/17/2020	0.022	
8/19/2020		0.018
9/25/2020	0.021	
9/28/2020		0.017
3/5/2021	0.022	
3/9/2021		0.016 (J)
9/13/2021	0.016	
9/15/2021		0.016
Mean	0.02025	0.01675
Std. Dev.	0.002872	0.0009574
Upper Lim.	0.02418	0.01892
Lower Lim.	-0.01405	0.01458

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 2:54 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	<0.0005				
9/1/2016			0.0002 (J)			
9/6/2016				<0.0005	<0.0005	
9/7/2016						0.0006 (J)
12/6/2016	0.0048	<0.0005				
12/7/2016			0.0002 (J)	<0.0005	<0.0005	
12/8/2016						0.0005 (J)
3/29/2017	0.0048	<0.0005	0.0002 (J)			
3/30/2017				7E-05 (J)	<0.0005	0.0006 (J)
7/12/2017	0.0046	<0.0005	0.0002 (J)	<0.0005	<0.0005	0.0005 (J)
10/24/2017	0.0048	<0.0005				
10/25/2017			0.0002 (J)		<0.0005	0.0005 (J)
11/15/2017				<0.0005		
2/27/2018	0.0106	<0.0005	<0.0005			
2/28/2018				<0.0005	<0.0005	<0.0005
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)	<0.0005
8/27/2019	0.0092	0.00014 (J)	0.00028 (J)			0.00066 (J)
8/28/2019				<0.0005	<0.0005	
9/17/2019			0.00049 (J)			
10/15/2019	0.01	0.00012 (J)	0.00016 (J)			
10/16/2019				<0.0005		
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			<0.0005	<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
Mean	0.007443	0.0004964	0.0003943	0.0005256	0.0006185	0.0005727
Std. Dev.	0.002492	0.0007432	0.0007051	0.000742	0.0006715	6.808E-05
Upper Lim.	0.009208	0.003	0.00049	0.003	0.003	0.0006188
Lower Lim.	0.005678	0.00013	0.00011	7E-05	0.00022	0.0005265

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 2:54 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						<0.0005
2/28/2018	<0.0005	<0.0005	<0.0005	<0.0005		
3/1/2018					<0.0005	
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)
Mean	0.001907	0.003673	0.000374	0.000376	0.000618	0.0004279
Std. Dev.	0.0004978	0.002056	0.0007325	0.0007316	0.0006665	0.0007463
Upper Lim.	0.0021	0.004866	0.0005	0.0005	0.0005	0.00028
Lower Lim.	0.0017	0.002215	0.0001	0.00014	0.00038	0.00019

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 2:54 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	<0.0005					
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	
Mean	0.002333	0.01091	0.00838	0.007443	0.002443	0.005413
Std. Dev.	0.0006576	0.002797	0.00126	0.001758	0.00107	0.000712
Upper Lim.	0.002738	0.01281	0.009234	0.008688	0.003201	0.005896
Lower Lim.	0.002049	0.009018	0.007526	0.006197	0.001685	0.004931

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	B-100	B-102D	B-104D	B-56	B-62	B-63
10/6/2016					9E-05 (J)	
10/7/2016						0.0004 (J)
2/19/2018						0.00049 (J)
1/28/2019						<0.0005
1/30/2019					<0.0005	
9/11/2019					0.00012 (J)	0.00035 (J)
10/21/2019					7.8E-05 (J)	
10/22/2019						0.0003 (J)
8/13/2020					0.00011 (J)	
8/17/2020	0.0004 (J)			0.0013 (J)		
9/24/2020					0.00013 (J)	
9/25/2020	0.00035 (J)					
9/28/2020				0.0012 (J)		
12/9/2020			0.0013 (J)			
12/17/2020		0.0014 (J)				
1/11/2021		0.0013 (J)				
1/12/2021			0.0015 (J)			
3/3/2021				0.0011		
3/4/2021		0.0012	0.0015			
3/8/2021	0.00046 (J)					
3/12/2021					<0.0005	
9/9/2021					0.00014 (J)	
9/10/2021		0.0011				
9/13/2021	0.00053			0.0012		
9/14/2021			0.0011			0.00042 (J)
Mean	0.000435	0.00125	0.00135	0.0012	0.0002085	0.00041
Std. Dev.	7.767E-05	0.0001291	0.0001915	8.165E-05	0.000181	7.797E-05
Upper Lim.	0.0006113	0.001543	0.001785	0.001385	0.0005	0.0004803
Lower Lim.	0.0002587	0.0009569	0.0009153	0.001015	7.8E-05	0.0003037

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	B-77	B-82	B-83	B-93	B-98
9/18/2019	0.00011 (J)				
9/23/2019		0.0015 (J)			
10/21/2019		0.0011 (J)	0.00039 (J)		
10/24/2019	<0.0005				
12/19/2019				0.0069	
2/17/2020					<0.0005
2/27/2020					<0.0005
8/13/2020	0.00014 (J)				
8/14/2020			0.0007 (J)		
8/17/2020		0.0014 (J)			
8/19/2020				0.015	
9/24/2020	5.3E-05 (J)				
9/25/2020			0.00028 (J)		
9/28/2020		0.0015 (J)		0.015	
3/4/2021	5.7E-05 (J)		0.00037 (J)		
3/9/2021				0.017	
3/15/2021					<0.0005
9/14/2021	<0.0005	0.0017			
9/15/2021				0.015	0.00087
9/16/2021			0.00028 (J)		
Mean	0.0002267	0.00144	0.000404	0.01378	0.0005925
Std. Dev.	0.0002142	0.0002191	0.000173	0.003942	0.000185
Upper Lim.	0.0001464	0.001807	0.0006999	0.01805	0.00087
Lower Lim.	4.658E-05	0.001073	0.0001718	0.006467	0.0005

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 11/8/2021 2:54 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	0.0012	<0.0005				
9/1/2016			0.0004 (J)			
9/6/2016				<0.0005	<0.0005	
9/7/2016						0.0003 (J)
12/6/2016	0.0013	<0.0005				
12/7/2016			0.0003 (J)	0.0002 (J)	9E-05 (J)	
12/8/2016						0.0003 (J)
3/29/2017	0.0013	<0.0005	0.0003 (J)			
3/30/2017				8E-05 (J)	9E-05 (J)	0.0003 (J)
7/12/2017	0.0013	<0.0005	0.0004 (J)	<0.0005	<0.0005	0.0002 (J)
10/24/2017	0.0014	<0.0005				
10/25/2017			0.0004 (J)		<0.0005	0.0002 (J)
11/15/2017				<0.0005		
2/27/2018	0.001	<0.0005	<0.0005			
2/28/2018				<0.0005	<0.0005	<0.0005
7/11/2018			0.00033 (J)		<0.0005	0.00029 (J)
11/6/2018	0.0012	<0.0005				
11/7/2018			<0.001 (J)	<0.0005	<0.001 (J)	<0.0005
8/27/2019	0.00077 (J)	0.00012 (J)	0.00037 (J)			0.00033 (J)
8/28/2019				<0.0005	<0.0005	
9/17/2019			0.00035 (J)			
10/15/2019	0.00095 (J)	<0.0005	0.00025 (J)			
10/16/2019				<0.0005		
10/17/2019					<0.0005	
10/18/2019						0.00029 (J)
3/2/2020		<0.0005	<0.0005			
3/3/2020	0.00095 (J)			<0.0005	0.00012 (J)	
3/4/2020						0.00028 (J)
8/11/2020	0.00071 (J)	<0.0005	0.00038 (J)			
8/12/2020				<0.0005		
8/13/2020					0.00013 (J)	
8/14/2020						0.00029 (J)
9/22/2020		0.00016 (J)	0.00017 (J)			
9/23/2020				<0.0005	<0.0005	
9/24/2020	0.00055 (J)					0.00024 (J)
3/2/2021		0.00013 (J)		<0.0005	<0.0005	
3/3/2021			0.00016 (J)			0.00023 (J)
3/4/2021	0.00088					
9/9/2021		<0.0005	<0.0005	<0.0005	<0.0005	
9/10/2021	0.00061					
9/13/2021						0.00023 (J)
Mean	0.001009	0.0004221	0.0003944	0.0004486	0.0004287	0.0002987
Std. Dev.	0.0002801	0.0001549	0.0001917	0.0001328	0.0002377	9.062E-05
Upper Lim.	0.001207	0.0005	0.0003426	0.0005	0.001	0.00033
Lower Lim.	0.0008102	0.00016	0.0002257	0.0002	0.00012	0.00023

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-19	DGWC-2	DGWC-20	DGWC-21	DGWC-22	DGWC-23
9/1/2016	0.0004 (J)					
9/2/2016			0.0023	0.0006 (J)	0.0003 (J)	
12/7/2016	0.0004 (J)		0.0023			
12/8/2016				0.0006 (J)	0.0004 (J)	
3/29/2017	0.0004 (J)		0.0021		0.0004 (J)	
3/30/2017		0.0005 (J)		0.0008 (J)		0.0002 (J)
5/11/2017		0.0004 (J)				
5/12/2017						0.0003 (J)
6/15/2017		0.0003 (J)				0.0002 (J)
7/11/2017		0.0003 (J)				
7/12/2017	0.0004 (J)		0.0021	0.0006 (J)		0.0002 (J)
7/13/2017					0.0005 (J)	
10/24/2017		0.0003 (J)				
10/25/2017	0.0004 (J)		0.002	0.0005 (J)	0.0007 (J)	
10/26/2017						0.0003 (J)
2/27/2018		<0.0005				
2/28/2018	<0.0005		0.0018	<0.0005	<0.0005	
3/1/2018						<0.0005
7/11/2018	0.00039 (J)	0.00018 (J)	0.0018	0.00054 (J)		
7/12/2018					0.00091 (J)	0.00028 (J)
11/6/2018		<0.001 (J)				
11/7/2018	<0.001 (J)		0.0018	<0.001 (J)	<0.001 (J)	
11/8/2018						<0.001 (J)
8/27/2019		0.00012 (J)				
8/28/2019	0.00033 (J)					
8/29/2019			0.002 (J)	0.00087 (J)	0.00053 (J)	0.00022 (J)
10/16/2019	0.00034 (J)					
10/17/2019		0.00013 (J)	0.0017 (J)	0.0006 (J)		
10/18/2019					0.00056 (J)	0.00022 (J)
3/3/2020	0.00037 (J)	0.00014 (J)		0.00063 (J)	0.00061 (J)	
3/4/2020			0.0026			0.00024 (J)
8/11/2020	0.0003 (J)	<0.0005				
8/13/2020			0.0021 (J)			0.00027 (J)
8/14/2020				0.00054 (J)	0.00057 (J)	
9/22/2020	0.00036 (J)		0.0014 (J)			
9/23/2020		0.00013 (J)				
9/24/2020				0.00073 (J)	0.00058 (J)	0.00018 (J)
3/2/2021	0.00035 (J)	<0.0005	0.0025			
3/3/2021				0.00044 (J)	0.0005	0.00015 (J)
9/9/2021	0.00037 (J)	<0.0005		0.00012 (J)		0.00019 (J)
9/10/2021			0.0012		0.00061	
Mean	0.0004207	0.0003667	0.00198	0.0006047	0.000578	0.0002967
Std. Dev.	0.0001665	0.0002335	0.0003802	0.0002024	0.0001826	0.0002115
Upper Lim.	0.0005	0.0002846	0.002238	0.0007418	0.0007017	0.0003
Lower Lim.	0.00034	0.0001314	0.001722	0.0004675	0.0004543	0.00019

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5	DGWC-8
8/30/2016						0.0019
8/31/2016					0.0002 (J)	
9/1/2016			0.0017	0.0013		
9/7/2016		0.0007 (J)				
12/6/2016					0.0004 (J)	0.0025
12/8/2016		0.0003 (J)	0.0002 (J)	0.0042		
3/28/2017	0.0006 (J)				0.0002 (J)	
3/29/2017						0.0024
3/30/2017				0.0089		
3/31/2017		0.0009 (J)	0.002			
5/12/2017	0.0006 (J)					
6/15/2017	0.0005 (J)					
7/11/2017	0.0006 (J)				0.0003 (J)	0.0021
7/13/2017		0.0008 (J)	0.0017	0.0033		
10/24/2017	0.0007 (J)					0.0029
10/25/2017		0.0005 (J)			0.0006 (J)	
10/26/2017			0.0015	0.0032		
2/27/2018	<0.0005				<0.0005	0.0029
2/28/2018		<0.0005				
3/1/2018			0.0025			
3/2/2018				0.0049		
7/11/2018		0.0024				
7/12/2018			0.0021	0.0032		
11/6/2018	<0.001 (J)				<0.001 (J)	0.0027
11/7/2018		<0.001 (J)	0.0016	0.0031		
8/27/2019	0.00072 (J)				0.00082 (J)	
8/28/2019		0.0015 (J)				0.0022 (J)
8/29/2019			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			
10/18/2019				0.0028		
3/2/2020	0.00088 (J)				0.00089 (J)	
3/3/2020						0.002 (J)
3/4/2020		0.00037 (J)	0.0017 (J)	0.0036		
8/12/2020	0.0008 (J)		0.001 (J)		0.00079 (J)	0.0021 (J)
8/13/2020		0.0013 (J)		0.0028		
9/22/2020	0.00065 (J)	0.0007 (J)			0.00072 (J)	
9/23/2020			0.0013 (J)	0.0025		0.0018 (J)
3/1/2021	0.00085					
3/2/2021					0.00075	0.0017
3/3/2021		0.00038 (J)	0.0016	0.0033		
9/10/2021	0.0009		0.0014	0.0028	0.00093	
9/13/2021		0.00042 (J)				0.002
Mean	0.0007193	0.0008233	0.001713	0.003527	0.0006279	0.002243
Std. Dev.	0.0001538	0.0005572	0.0006896	0.001682	0.0002677	0.0003857
Upper Lim.	0.0008282	0.001109	0.002181	0.0042	0.0008175	0.002516
Lower Lim.	0.0006103	0.0004679	0.001246	0.0025	0.0004382	0.00197

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-9	B-100	B-102D	B-56	B-63	B-82
8/30/2016	0.0004 (J)					
12/6/2016	0.0005 (J)					
3/28/2017	0.0005 (J)					
7/11/2017	0.0005 (J)					
10/24/2017	0.0006 (J)					
2/27/2018	<0.0005					
7/11/2018	0.00067 (J)					
11/6/2018	<0.001 (J)					
1/28/2019					<0.0005	
8/27/2019	0.00071 (J)					
9/11/2019					<0.0005	
9/23/2019						0.00044 (J)
10/17/2019	0.00064 (J)					
10/21/2019						0.00035 (J)
10/22/2019					0.00014 (J)	
3/3/2020	0.00059 (J)					
8/11/2020	0.00059 (J)					
8/17/2020		0.00059 (J)		0.00029 (J)		0.00058 (J)
9/22/2020	0.00059 (J)					
9/25/2020		0.00027 (J)				
9/28/2020				0.00024 (J)		0.00066 (J)
12/17/2020			0.00067 (J)			
1/11/2021			0.0008 (J)			
3/2/2021	0.00057					
3/3/2021				0.00026 (J)		
3/4/2021			0.00081			
3/8/2021		0.00027 (J)				
9/10/2021	0.00053		0.00083			
9/13/2021		0.00029 (J)		0.00028 (J)		
9/14/2021					0.00025 (J)	0.0007
Mean	0.0005927	0.000355	0.0007775	0.0002675	0.0003475	0.000546
Std. Dev.	0.0001373	0.000157	7.274E-05	2.217E-05	0.0001817	0.0001479
Upper Lim.	0.0006732	0.00059	0.0009243	0.0003178	0.0003199	0.0007939
Lower Lim.	0.0005032	0.00027	0.0006021	0.0002172	7.013E-05	0.0002981

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

	B-83	B-88	B-93
10/21/2019	0.00041 (J)		
8/14/2020	0.00037 (J)		
8/17/2020		0.0018 (J)	
8/19/2020			0.00077 (J)
9/25/2020	0.00026 (J)	0.00022 (J)	
9/28/2020			0.00074 (J)
3/4/2021	0.00032 (J)		
3/5/2021		0.0065	
3/9/2021			0.00075 (J)
9/13/2021		0.0013	
9/15/2021			0.00088
9/16/2021	0.0003 (J)		
Mean	0.000332	0.002455	0.000785
Std. Dev.	5.891E-05	0.002776	6.455E-05
Upper Lim.	0.0004307	0.008758	0.0009316
Lower Lim.	0.0002333	-0.003848	0.0006384

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 2:54 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	<0.005	<0.005				
9/1/2016			<0.005			
9/6/2016				<0.005	<0.005	
9/7/2016						0.0026 (J)
12/6/2016	<0.005	<0.005				
12/7/2016			<0.005	<0.005	<0.005	
12/8/2016						0.0025 (J)
3/29/2017	0.0008 (J)	<0.005	<0.005			
3/30/2017				0.0009 (J)	0.0005 (J)	0.0026 (J)
7/12/2017	0.0006 (J)	<0.005	<0.005	<0.005	<0.005	0.0022 (J)
10/24/2017	0.0007 (J)	<0.005				
10/25/2017			<0.005		<0.005	0.0024 (J)
11/15/2017				<0.005		
2/27/2018	<0.005	<0.005	<0.005			
2/28/2018				<0.005	<0.005	<0.005
7/11/2018			<0.005		<0.005	0.0024 (J)
11/6/2018	<0.005	<0.005				
11/7/2018			<0.005	<0.005	<0.01 (J)	<0.005
8/27/2019	0.00083 (J)	0.0006 (J)	<0.005			0.0031 (J)
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)	
10/18/2019						0.0027 (J)
3/2/2020		0.0006 (J)	<0.005			
3/3/2020	0.00092 (J)			0.00066 (J)	0.00046 (J)	
3/4/2020						0.0035 (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)	
8/14/2020						0.0033 (J)
9/22/2020		0.00058 (J)	<0.005			
9/23/2020				0.00059 (J)	<0.005	
9/24/2020	0.001 (J)					0.0029 (J)
3/2/2021		<0.005		<0.005	<0.005	
3/3/2021			0.00099 (J)			0.0028 (J)
3/4/2021	0.0009 (J)					
9/9/2021		<0.005	<0.005	<0.005	<0.005	
9/10/2021	<0.005					
9/13/2021						0.0027 (J)
Mean	0.002321	0.003742	0.004496	0.003778	0.004423	0.003047
Std. Dev.	0.002074	0.002064	0.001378	0.002006	0.002397	0.0008651
Upper Lim.	0.005	0.005	0.005	0.005	0.01	0.0035
Lower Lim.	0.00078	0.0006	0.00099	0.00074	0.00058	0.0024

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-19	DGWC-2	DGWC-20	DGWC-21	DGWC-22	DGWC-23
9/1/2016	0.0031 (J)					
9/2/2016			0.0017 (J)	<0.005	0.0012 (J)	
12/7/2016	<0.005		<0.005			
12/8/2016				<0.005	<0.005	
3/29/2017	0.0025 (J)		0.0016 (J)		<0.005	
3/30/2017		0.0005 (J)		0.0005 (J)		0.0012 (J)
5/11/2017		0.0005 (J)				
5/12/2017						0.0004 (J)
6/15/2017		<0.005				0.0005 (J)
7/11/2017		<0.005				
7/12/2017	0.0023 (J)		<0.005	0.0006 (J)		0.0007 (J)
7/13/2017					<0.005	
10/24/2017		<0.005				
10/25/2017	0.0024 (J)		0.0015 (J)	<0.005	<0.005	
10/26/2017						0.0007 (J)
2/27/2018		<0.005				
2/28/2018	<0.005		<0.005	<0.005	<0.005	
3/1/2018						<0.005
7/11/2018	0.0022 (J)	<0.005	<0.005	<0.005		
7/12/2018					<0.005	<0.005
11/6/2018		<0.005				
11/7/2018	<0.01 (J)		<0.01 (J)	<0.005	<0.005	
11/8/2018						<0.005
8/27/2019		0.0004 (J)				
8/28/2019	0.0028 (J)					
8/29/2019			0.0017 (J)	0.00041 (J)	<0.005	<0.005
10/16/2019	0.0024 (J)					
10/17/2019		0.00046 (J)	0.0015 (J)	<0.005		
10/18/2019					<0.005	0.00041 (J)
3/3/2020	0.0028 (J)	<0.005		0.00048 (J)	<0.005	
3/4/2020			0.0032 (J)			0.00081 (J)
8/11/2020	0.0024 (J)	0.00067 (J)				
8/13/2020			0.0023 (J)			0.00085 (J)
8/14/2020				<0.005	<0.005	
9/22/2020	0.003 (J)		0.0013 (J)			
9/23/2020		<0.005				
9/24/2020				0.00096 (J)	<0.005	0.00084 (J)
3/2/2021	0.0024 (J)	0.00064 (J)	0.0022 (J)			
3/3/2021				0.002 (J)	<0.005	0.0014 (J)
9/9/2021	0.003 (J)	<0.005		<0.005		<0.005
9/10/2021			<0.005		<0.005	
Mean	0.00342	0.003211	0.003467	0.00333	0.004747	0.002187
Std. Dev.	0.002022	0.002268	0.002385	0.002148	0.0009812	0.002075
Upper Lim.	0.005	0.005	0.002136	0.005	0.005	0.005
Lower Lim.	0.0023	0.0005	0.001443	0.0005	0.0012	0.0005

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5	DGWC-8
8/30/2016						<0.005
8/31/2016					<0.005	
9/1/2016			<0.005	<0.005		
9/7/2016		<0.005				
12/6/2016					<0.005	<0.005
12/8/2016		<0.005	<0.005	<0.005		
3/28/2017	0.0005 (J)				<0.005	
3/29/2017						0.0004 (J)
3/30/2017				<0.005		
3/31/2017		0.001 (J)	0.0007 (J)			
5/12/2017	<0.005					
6/15/2017	<0.005					
7/11/2017	<0.005				<0.005	<0.005
7/13/2017		0.0008 (J)	<0.005	0.0007 (J)		
10/24/2017	<0.005					<0.005
10/25/2017		0.0005 (J)			<0.005	
10/26/2017			<0.005	<0.005		
2/27/2018	<0.005				<0.005	<0.005
2/28/2018		<0.005				
3/1/2018			<0.005			
3/2/2018				<0.005		
7/11/2018		<0.005				
7/12/2018			<0.005	<0.005		
11/6/2018	<0.005				<0.005	<0.005
11/7/2018		<0.005	<0.005	<0.005		
8/27/2019	<0.005				<0.005	
8/28/2019		<0.005				<0.005
8/29/2019			<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			
10/18/2019				<0.005		
3/2/2020	<0.005				0.00045 (J)	
3/3/2020						0.00061 (J)
3/4/2020		0.00042 (J)	<0.005	0.0004 (J)		
8/12/2020	<0.005		<0.005		<0.005	0.0028 (J)
8/13/2020		0.0021 (J)		<0.005		
9/22/2020	<0.005	0.001 (J)			<0.005	
9/23/2020			<0.005	<0.005		0.00086 (J)
3/1/2021	<0.005					
3/2/2021					<0.005	0.0015 (J)
3/3/2021		<0.005	<0.005	<0.005		
9/10/2021	<0.005		<0.005	<0.005	<0.005	
9/13/2021		<0.005				<0.005
Mean	0.004679	0.003082	0.004713	0.004407	0.004675	0.003391
Std. Dev.	0.001203	0.002157	0.00111	0.001567	0.001216	0.002002
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.0005	0.0005	0.0007	0.0007	0.00045	0.00086

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-9	B-100	B-104D	B-56	B-62	B-63
8/30/2016	<0.005					
12/6/2016	<0.005					
3/28/2017	0.001 (J)					
7/11/2017	<0.005					
10/24/2017	<0.005					
2/27/2018	<0.005					
7/11/2018	<0.005					
11/6/2018	<0.005					
1/28/2019						<0.005
1/30/2019					<0.005	
8/27/2019	0.00048 (J)					
9/11/2019					<0.005	<0.005
10/17/2019	0.00051 (J)					
10/21/2019					0.00098 (J)	
10/22/2019						0.00064 (J)
3/3/2020	0.0057 (J)					
8/11/2020	0.00061 (J)					
8/13/2020					<0.005	
8/17/2020		<0.005		0.0014 (J)		
9/22/2020	<0.005					
9/24/2020					<0.005	
9/25/2020		0.00094 (J)				
9/28/2020				<0.005		
12/9/2020			0.0011 (J)			
1/12/2021			<0.005			
3/2/2021	0.00059 (J)					
3/3/2021				0.00059 (J)		
3/4/2021			<0.005			
3/8/2021		0.00057 (J)				
3/12/2021					<0.005	
9/9/2021					<0.005	
9/10/2021	<0.005					
9/13/2021		<0.005		<0.005		
9/14/2021			<0.005			<0.005
Mean	0.003593	0.002877	0.004025	0.002997	0.004426	0.00391
Std. Dev.	0.002173	0.002456	0.00195	0.002336	0.001519	0.00218
Upper Lim.	0.0057	0.001223	0.005	0.001914	0.005	0.005
Lower Lim.	0.00059	0.0003828	0.0011	7.551E-05	0.00098	0.00064

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

	B-77	B-82	B-88	B-93
9/18/2019	0.00068 (J)			
9/23/2019		0.0011 (J)		
10/21/2019		<0.005		
10/24/2019	<0.005			
8/13/2020	0.0021 (J)			
8/17/2020		<0.005	0.0014 (J)	
8/19/2020				0.00057 (J)
9/24/2020	0.0007 (J)			
9/25/2020			0.00085 (J)	
9/28/2020		<0.005		0.00066 (J)
3/4/2021	0.00098 (J)			
3/5/2021			0.0017 (J)	
3/9/2021				<0.005
9/13/2021			<0.005	
9/14/2021	<0.005	<0.005		
9/15/2021				<0.005
Mean	0.00241	0.00422	0.002237	0.002807
Std. Dev.	0.002072	0.001744	0.001875	0.002532
Upper Lim.	0.001858	0.005	0.002116	0.005
Lower Lim.	0.0005328	0.0011	0.0005176	0.00057

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 2:54 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	0.193	<0.005				
9/1/2016			0.0021 (J)			
9/6/2016				<0.005	0.0042 (J)	
9/7/2016						0.0247
12/6/2016	0.2	0.0006 (J)				
12/7/2016			0.0026 (J)	<0.005	0.0028 (J)	
12/8/2016						0.029
3/29/2017	0.184	<0.005	0.0026 (J)			
3/30/2017				0.0005 (J)	0.0024 (J)	0.0283
7/12/2017	0.177	<0.005	0.0033 (J)	0.0004 (J)	0.002 (J)	0.023
10/24/2017	0.175	<0.005				
10/25/2017			0.0021 (J)		0.0019 (J)	0.0259
11/15/2017				<0.005		
2/27/2018	0.2	<0.005	<0.005			
2/28/2018				<0.005	<0.005	0.02
7/11/2018			0.002 (J)		0.0018 (J)	0.025
11/6/2018	0.2	<0.005				
11/7/2018			<0.01 (J)	<0.005	0.025	<0.01 (J)
8/27/2019	0.13	0.00076 (J)	0.0021 (J)			0.031
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)	
10/18/2019						0.023
3/2/2020		0.00078 (J)	0.029			
3/3/2020	0.18			<0.005	0.0018 (J)	
3/4/2020						0.023
8/11/2020	0.11	0.00055 (J)	0.006			
8/12/2020				<0.005		
8/13/2020					0.0024 (J)	
8/14/2020						0.026
9/22/2020		0.00098 (J)	0.013			
9/23/2020				0.00038 (J)	0.0018 (J)	
9/24/2020	0.086					0.028
3/2/2021		0.00065 (J)		<0.005	0.0013 (J)	
3/3/2021			0.01			0.016
3/4/2021	0.071					
9/9/2021		0.00081 (J)	0.034	<0.005	0.0016 (J)	
9/10/2021	0.076					
9/13/2021						0.019
Mean	0.1537	0.001481	0.008125	0.002056	0.003653	0.02313
Std. Dev.	0.04866	0.0009221	0.009711	0.0008832	0.005947	0.00641
Upper Lim.	0.1888	0.0025	0.013	0.0025	0.0028	0.02716
Lower Lim.	0.1413	0.0006	0.0021	0.0005	0.0016	0.02022

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-19	DGWC-2	DGWC-20	DGWC-21	DGWC-22	DGWC-23
9/1/2016	0.0553					
9/2/2016			0.497	0.0085 (J)	0.0102	
12/7/2016	0.0561		0.614			
12/8/2016				0.0095 (J)	0.0079 (J)	
3/29/2017	0.0534		0.443		0.0097 (J)	
3/30/2017		0.0255		0.0076 (J)		<0.005
5/11/2017		0.0284				
5/12/2017						<0.005
6/15/2017		0.0238				0.0003 (J)
7/11/2017		0.0238				
7/12/2017	0.0489		0.538	0.0092 (J)		<0.005
7/13/2017					0.0106	
10/24/2017		0.0292				
10/25/2017	0.0514		0.432	0.0092 (J)	0.0094 (J)	
10/26/2017						<0.005
2/27/2018		0.042				
2/28/2018	0.0511		0.459	<0.005	<0.005	
3/1/2018						<0.005
7/11/2018	0.051	0.02	0.47	0.0097 (J)		
7/12/2018					0.011	<0.005
11/6/2018		0.024				
11/7/2018	0.048		0.42	<0.01 (J)	<0.01 (J)	
11/8/2018						<0.01 (J)
8/27/2019		0.0088				
8/28/2019	0.048					
8/29/2019			0.66	0.01	0.0094	0.00036 (J)
10/16/2019	0.046					
10/17/2019		0.0084	0.57	0.01		
10/18/2019					0.0084	<0.005
3/3/2020	0.054	0.0073		0.01	0.0098	
3/4/2020			0.84			0.00043 (J)
8/11/2020	0.049	0.0064				
8/13/2020			0.73			0.00048 (J)
8/14/2020				0.0098	0.0087	
9/22/2020	0.051		0.47			
9/23/2020		0.0062				
9/24/2020				0.01	0.01	<0.005
3/2/2021	0.051	0.0055	0.77			
3/3/2021				0.0087	0.0078	0.00039 (J)
9/9/2021	0.055	0.0048 (J)		0.0096		0.00049 (J)
9/10/2021			0.45		0.0076	
Mean	0.05128	0.01761	0.5575	0.00862	0.008533	0.00183
Std. Dev.	0.002996	0.01155	0.1355	0.002141	0.002244	0.001357
Upper Lim.	0.05331	0.0284	0.6394	0.009773	0.009945	0.005
Lower Lim.	0.04925	0.0062	0.4659	0.008552	0.007492	0.00039

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5	DGWC-8
8/30/2016						0.0568
8/31/2016					0.055	
9/1/2016			0.536	0.539		
9/7/2016		0.0695				
12/6/2016					0.0432	0.0873
12/8/2016		0.0652	0.381	0.575		
3/28/2017	0.0018 (J)				0.04	
3/29/2017						0.0902
3/30/2017				0.573		
3/31/2017		0.0524	0.354			
5/12/2017	0.0015 (J)					
6/15/2017	0.0015 (J)					
7/11/2017	0.0015 (J)				0.0351 (J)	0.0601
7/13/2017		0.0481	0.396	0.531		
10/24/2017	0.0017 (J)					0.123
10/25/2017		0.0435			0.0209	
10/26/2017			0.383	0.482		
2/27/2018	<0.005				0.024	0.126
2/28/2018		0.0167				
3/1/2018			0.401			
3/2/2018				0.49		
7/11/2018		0.019				
7/12/2018			0.36	0.46		
11/6/2018	<0.01 (J)				0.019	0.077
11/7/2018		0.02	0.35	0.48		
8/27/2019	0.0018 (J)				0.02	
8/28/2019		0.029				0.051
8/29/2019			0.28	0.42		
10/15/2019	0.0018 (J)					
10/16/2019					0.022	0.054
10/17/2019		0.03	0.26			
10/18/2019				0.41		
3/2/2020	0.0021 (J)				0.028	
3/3/2020						0.044
3/4/2020		0.014	0.28	0.42		
8/12/2020	0.0018 (J)		0.21		0.021	0.053
8/13/2020		0.025		0.35		
9/22/2020	0.0014 (J)	0.014			0.02	
9/23/2020			0.17	0.37		0.04
3/1/2021	0.002 (J)					
3/2/2021					0.021	0.033
3/3/2021		0.0087	0.2	0.36		
9/10/2021	0.0019 (J)		0.23	0.36	0.022	
9/13/2021		0.008				0.028
Mean	0.002021	0.03087	0.3194	0.4547	0.02794	0.06596
Std. Dev.	0.000904	0.02013	0.09792	0.07771	0.01109	0.03083
Upper Lim.	0.0021	0.04451	0.3858	0.5073	0.04	0.0878
Lower Lim.	0.0015	0.01723	0.253	0.402	0.02	0.04412

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-9	B-102D	B-104D	B-111D	B-56	B-62
8/30/2016	0.0896					
12/6/2016	0.122					
3/28/2017	0.124					
7/11/2017	0.136					
10/24/2017	0.151					
2/27/2018	0.163					
7/11/2018	0.18					
11/6/2018	0.2					
1/30/2019						<0.005
8/27/2019	0.24					
9/11/2019						0.0003 (J)
10/17/2019	0.21					
10/21/2019						0.00031 (J)
3/3/2020	0.2					
8/11/2020	0.22					
8/13/2020						<0.005
8/17/2020					0.042	
9/22/2020	0.16					
9/24/2020						<0.005
9/28/2020					0.042	
12/9/2020			0.17	0.00076 (J)		
12/17/2020		0.014				
1/11/2021		0.015				
1/12/2021			0.19	0.0007 (J)		
3/2/2021	0.18					
3/3/2021					0.05	
3/4/2021		0.014	0.19			
3/5/2021				0.00052 (J)		
3/12/2021						<0.005
9/9/2021						<0.005
9/10/2021	0.21	0.013				
9/13/2021					0.047	
9/14/2021			0.1	<0.005		
Mean	0.1724	0.014	0.1625	0.00112	0.04525	0.001873
Std. Dev.	0.04231	0.0008165	0.04272	0.0009256	0.003948	0.001071
Upper Lim.	0.201	0.01585	0.2361	0.0009228	0.05421	0.0025
Lower Lim.	0.1437	0.01215	-0.01451	0.0004439	0.03629	0.0003

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

	B-63	B-66	B-82	B-93
1/28/2019	0.053			
1/30/2019		<0.005		
9/11/2019	0.043			
9/12/2019		0.006		
9/23/2019			0.0038 (J)	
10/21/2019		0.0074	0.0089	
10/22/2019	0.046			
12/19/2019				0.066
8/17/2020			0.0028 (J)	
8/19/2020				0.068
9/28/2020			0.0053	0.064
3/9/2021				0.061
3/12/2021	0.046	0.01	0.0021 (J)	
9/14/2021	0.037	0.012	0.0015 (J)	
9/15/2021				0.062
Mean	0.045	0.00758	0.004067	0.0642
Std. Dev.	0.005788	0.003665	0.002721	0.002864
Upper Lim.	0.0547	0.01241	0.007804	0.069
Lower Lim.	0.0353	0.003754	0.0003291	0.0594

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 2:54 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)					
Mean	1.284	0.9694	0.8984	1.26	0.8972	1.118
Std. Dev.	0.314	0.4467	0.714	0.3303	0.303	0.8748
Upper Lim.	1.497	1.272	1.27	1.484	1.103	1.553
Lower Lim.	1.071	0.6667	0.4013	1.036	0.6919	0.551

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 2:54 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)					
Mean	0.8113	0.7733	1.168	1.21	0.8557	1.049
Std. Dev.	0.3526	0.3942	0.4067	0.4913	0.3972	0.4659
Upper Lim.	1.05	1.04	1.444	1.543	1.125	1.364
Lower Lim.	0.5723	0.5062	0.8924	0.8767	0.5866	0.733

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 2:54 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)			
Mean	1.133	1.454	0.9499	2.344	2.03	1.431
Std. Dev.	0.5259	0.3939	0.3231	0.8249	0.6435	0.6015
Upper Lim.	1.489	1.721	1.169	2.903	2.415	1.839
Lower Lim.	0.7765	1.187	0.7309	1.785	1.602	1.024

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-104D	B-111D	B-56	B-62
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				
1/30/2019						1.97 (U)
8/27/2019		1.55				
8/28/2019	0.815 (U)					
10/16/2019	0.999 (U)					
10/17/2019		0.702 (U)				
10/21/2019						1.82
3/3/2020	0.481 (U)	1.37				
8/11/2020		0.819 (U)				
8/12/2020	0.721 (U)					
8/13/2020						1.63
8/17/2020					1.15 (U)	
9/22/2020		1.15 (U)				
9/23/2020	0.8 (U)					
9/24/2020						1.28 (U)
9/28/2020					1.39	
12/9/2020			15.2	12.3		
1/12/2021			17	9.63		
3/2/2021	0.751 (U)	1.29 (U)				
3/3/2021					1.01 (U)	
3/4/2021			14.5			
3/5/2021				9.05		
3/12/2021						1.18 (U)
9/9/2021						1.7
9/10/2021		1.28				
9/13/2021	0.916 (U)				0.854 (U)	
9/14/2021			9.6	4.39		
Mean	0.6602	1.196	14.08	8.843	1.101	1.597
Std. Dev.	0.2668	0.3583	3.164	3.288	0.2275	0.3082
Upper Lim.	0.841	1.439	21.26	16.31	1.617	2.02
Lower Lim.	0.4794	0.9531	6.892	1.377	0.5846	1.173

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	B-82	B-93
10/21/2019	0.63 (U)	
8/17/2020	0.662 (U)	
8/19/2020		1.19 (U)
9/28/2020	0.747 (U)	1.54
3/9/2021		0.786 (U)
9/14/2021	1.03 (U)	
9/15/2021		1.84
Mean	0.7673	1.339
Std. Dev.	0.182	0.4544
Upper Lim.	1.18	2.371
Lower Lim.	0.3541	0.3074

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 2:54 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	0.06 (J)			0.06 (J)	
9/1/2016			0.02 (J)			
9/6/2016				0.17 (J)		0.11 (J)
12/6/2016	1.3	0.06 (J)			0.1 (J)	
12/7/2016			0.16 (J)	0.3		0.11 (J)
3/29/2017	1.5	0.04 (J)	0.1 (J)		0.02 (J)	
3/30/2017				0.12 (J)		<0.1
7/12/2017	1.7	0.03 (J)	0.2 (J)	0.13 (J)	<0.1	0.07 (J)
10/24/2017	2.1	<0.1				
10/25/2017			0.6		<0.1	0.26 (J)
11/15/2017	1.4			0.44		
2/27/2018	2.3	<0.1	0.34		<0.1	
2/28/2018				0.18		<0.1
7/11/2018			<0.1		<0.1	<0.1
11/6/2018	2	<0.1				
11/7/2018			<0.3 (J)	<0.3 (J)	<0.1	<0.1
3/12/2019	1.7	0.052 (J)	0.065 (J)			
3/13/2019				0.13 (J)	0.042 (J)	
3/14/2019						0.057 (J)
8/27/2019	1.4	<0.1	<0.1		<0.1	
8/28/2019				0.091 (J)		<0.1
10/15/2019	1.4	<0.1	<0.1			
10/16/2019				0.14 (J)	0.052 (J)	
10/17/2019						0.079 (J)
3/2/2020		0.064 (J)	0.071 (J)			
3/3/2020	1.5			0.078 (J)	<0.1	<0.1
8/11/2020	1.4	<0.1	<0.1		<0.1	
8/12/2020				0.051 (J)		
8/13/2020						<0.1
9/22/2020		<0.1	<0.1		<0.1	
9/23/2020				0.058 (J)		<0.1
9/24/2020	0.97					
3/2/2021		<0.1		0.084 (J)	<0.1	<0.1
3/3/2021			0.085 (J)			
3/4/2021	1.8					
9/9/2021		<0.1	0.099 (J)	0.083 (J)	<0.1	<0.1
9/10/2021	2.2					
Mean	1.604	0.0804	0.1588	0.157	0.08588	0.1054
Std. Dev.	0.3955	0.0261	0.1448	0.1093	0.02643	0.04361
Upper Lim.	1.862	0.1	0.1641	0.2134	0.1	0.11
Lower Lim.	1.347	0.052	0.05529	0.08589	0.052	0.079

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 2:54 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		0.75				
9/2/2016				0.66	0.07 (J)	0.3
9/7/2016	0.32					
12/7/2016		0.37		0.66		
12/8/2016	0.31				0.14 (J)	0.12 (J)
3/29/2017		0.35		0.34		0.11 (J)
3/30/2017	0.1 (J)		0.06 (J)		<0.1	
5/11/2017			0.06 (J)			
6/15/2017			0.07 (J)			
7/11/2017			0.04 (J)			
7/12/2017	0.27 (J)	0.34		0.41	0.04 (J)	
7/13/2017						0.09 (J)
10/24/2017			0.43			
10/25/2017	0.49	0.9		0.68	0.34	0.25 (J)
2/27/2018			0.28			
2/28/2018	0.54	1.2		0.76	<0.1	<0.1
7/11/2018	0.15 (J)	0.37	0.6	1.3	<0.1	
7/12/2018						0.13 (J)
11/6/2018			<0.1			
11/7/2018	<0.3 (J)	<0.3 (J)		<0.3 (J)	<0.1	<0.1
3/12/2019			0.052 (J)			
3/13/2019	0.084 (J)	0.22 (J)		0.45	0.043 (J)	
3/14/2019						0.042 (J)
8/27/2019	0.24 (J)		<0.1			
8/28/2019		0.2				
8/29/2019				0.78	0.079 (J)	0.054 (J)
10/16/2019		0.23 (J)				
10/17/2019			0.042 (J)	0.26 (J)	<0.1	
10/18/2019	0.086 (J)					<0.1
3/3/2020		0.056 (J)	<0.1		<0.1	<0.1
3/4/2020	<0.1			1.5		
8/11/2020		0.2	<0.1			
8/13/2020				0.9		
8/14/2020	0.069 (J)				<0.1	<0.1
9/22/2020		0.084 (J)		0.15		
9/23/2020			<0.1			
9/24/2020	0.056 (J)				<0.1	<0.1
3/2/2021		0.19	<0.1	1.4		
3/3/2021	0.085 (J)				<0.1	<0.1
9/9/2021		0.18	0.053 (J)		<0.1	
9/10/2021				0.25		<0.1
9/13/2021	0.063 (J)					
Mean	0.2039	0.3713	0.1429	0.675	0.107	0.1185
Std. Dev.	0.1552	0.313	0.1586	0.4218	0.06664	0.06532
Upper Lim.	0.2722	0.5135	0.28	0.9494	0.14	0.13
Lower Lim.	0.09774	0.1749	0.052	0.4006	0.07	0.09

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 2:54 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						1
9/1/2016				1.8	1.5	
9/7/2016			0.02 (J)			
12/6/2016						0.76
12/8/2016			0.06 (J)	1.1	1.6	
3/28/2017		0.17 (J)				1.2
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
7/12/2017	0.22 (J)					
7/13/2017			<0.1	0.84	1.1	
10/24/2017		<0.1				
10/25/2017			<0.1			1.4
10/26/2017	0.66			1	1.7	
11/15/2017		0.79				
2/27/2018		<0.1				1.3
2/28/2018			<0.1			
3/1/2018	0.18			1.4		
3/2/2018					1.1	
7/11/2018			<0.1			
7/12/2018	0.25 (J)			0.96	0.65	
11/6/2018		<0.1				<0.3 (J)
11/7/2018			<0.1	0.74	0.63	
11/8/2018	<0.3 (J)					
3/12/2019		0.082 (J)				0.31
3/14/2019	0.092 (J)		<0.1	1.6	1.4	
8/27/2019		<0.1				0.32
8/28/2019			<0.1			
8/29/2019	0.095 (J)			0.52	0.78	
10/15/2019		<0.1				
10/16/2019						0.32
10/17/2019			<0.1	0.46		
10/18/2019	0.079 (J)				0.46	
3/2/2020		<0.1				0.33
3/4/2020	0.075 (J)		<0.1	0.74	0.7	
8/12/2020		<0.1		0.22		0.13
8/13/2020	0.1		<0.1		0.47	
9/22/2020		<0.1	<0.1			0.12
9/23/2020				0.11	0.32	
9/24/2020	0.075 (J)					
3/1/2021		<0.1				
3/2/2021						0.15
3/3/2021	0.063 (J)		<0.1	0.71	0.67	
9/9/2021	0.084 (J)					
9/10/2021		<0.1		0.22	0.47	0.16
9/13/2021			<0.1			
Mean	0.1852	0.1364	0.0925	0.8313	0.9006	0.5667
Std. Dev.	0.1558	0.1776	0.02176	0.4835	0.4445	0.4567
Upper Lim.	0.2262	0.17	0.1	1.146	1.19	0.7808
Lower Lim.	0.09243	0.082	0.06	0.5167	0.6114	0.2378

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-102D	B-104D	B-111D	B-62
8/30/2016	0.39	0.78				
12/6/2016	0.47	1.1				
3/28/2017		1.1				
3/29/2017	0.51					
7/11/2017	0.2 (J)	1.1				
10/24/2017	0.82	1.7				
2/27/2018	0.59	1.2				
7/11/2018		1.3				
11/6/2018	0.35	1.1				
1/30/2019						0.43
3/12/2019	0.35	0.97				
8/27/2019		0.68				
8/28/2019	0.098 (J)					
10/16/2019	0.14 (J)					
10/17/2019		1.2				
10/21/2019						0.23 (J)
3/3/2020	<0.1	1.4				
8/11/2020		1.3				
8/12/2020	0.056 (J)					
8/13/2020						0.11
9/22/2020		0.99				
9/23/2020	<0.1					
9/24/2020						0.093 (J)
12/9/2020				0.33	0.33	
12/17/2020			0.079 (J)			
1/11/2021			0.077 (J)			
1/12/2021				0.36	0.32	
3/2/2021	0.059 (J)	0.93				
3/4/2021			0.11	0.43		
3/5/2021					0.51	
3/12/2021						0.11
9/9/2021						0.14
9/10/2021		2	0.083 (J)			
9/13/2021	0.069 (J)					
9/14/2021				0.5	0.57	
Mean	0.2868	1.178	0.08725	0.405	0.4325	0.1855
Std. Dev.	0.2338	0.3265	0.01537	0.07594	0.1266	0.1295
Upper Lim.	0.4095	1.391	0.11	0.5774	0.7199	0.3546
Lower Lim.	0.1193	0.9657	0.077	0.2326	0.1451	0.06003

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	B-77	B-83	B-93
10/21/2019		0.13 (J)	
10/24/2019	0.096 (J)		
8/13/2020	<0.1		
8/14/2020		0.05 (J)	
8/19/2020			0.32
9/24/2020	<0.1		
9/25/2020		<0.1	
9/28/2020			0.3
3/4/2021	<0.1	0.071 (J)	
3/9/2021			0.34
9/14/2021	0.078 (J)		
9/15/2021			0.34
9/16/2021		0.066 (J)	
Mean	0.0948	0.0834	0.325
Std. Dev.	0.00955	0.0317	0.01915
Upper Lim.	0.1	0.1232	0.3685
Lower Lim.	0.078	0.02857	0.2815

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/8/2021 2:54 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	<0.001	<0.001			<0.001	
9/1/2016			<0.001			
9/6/2016				<0.001		<0.001
12/6/2016	<0.001	<0.001			<0.001	
12/7/2016			<0.001	<0.001		0.0002 (J)
3/29/2017	<0.001	<0.001	<0.001		<0.001	
3/30/2017				0.0002 (J)		0.0001 (J)
7/12/2017	<0.001	<0.001	<0.001	<0.001	<0.001	0.0001 (J)
10/24/2017	<0.001	<0.001				
10/25/2017			<0.001		<0.001	<0.001
11/15/2017				<0.001		
2/27/2018	<0.001	<0.001	<0.001		<0.001	
2/28/2018				<0.001		<0.001
7/11/2018			<0.001		<0.001	<0.001
11/6/2018	<0.001	<0.001				
11/7/2018			<0.001	<0.001	<0.001	<0.001
8/27/2019	0.00024 (J)	0.00012 (J)	0.0001 (J)		<0.001	
8/28/2019				<0.001		5.9E-05 (J)
9/17/2019			<0.001			
10/15/2019	0.00014 (J)	7.6E-05 (J)	<0.001			
10/16/2019				<0.001	<0.001	
10/17/2019						<0.001
3/2/2020		0.00015 (J)	<0.001			
3/3/2020	0.00011 (J)			<0.001	<0.001	<0.001
8/11/2020	7E-05 (J)	5.3E-05 (J)	<0.001		9.6E-05 (J)	
8/12/2020				<0.001		
8/13/2020						0.0012 (J)
9/22/2020		0.0001 (J)	0.00011 (J)		4.4E-05 (J)	
9/23/2020				9.8E-05 (J)		8.2E-05 (J)
9/24/2020	0.00013 (J)					
3/2/2021		<0.001		<0.001	8.3E-05 (J)	<0.001
3/3/2021			<0.001			
3/4/2021	9.2E-05 (J)					
9/9/2021		<0.001	<0.001	<0.001	<0.001	<0.001
9/10/2021	<0.001					
Mean	0.0006273	0.0006785	0.0008881	0.0008784	0.0008149	0.0007161
Std. Dev.	0.0004481	0.0004481	0.0003057	0.0003097	0.0003834	0.0004487
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.0012
Lower Lim.	0.00011	0.0001	0.00011	0.0002	9.6E-05	0.0001

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/8/2021 2:54 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-23
9/1/2016		<0.001				
9/2/2016				<0.001	0.0002 (J)	
9/7/2016	<0.001					
12/7/2016		<0.001		<0.001		
12/8/2016	<0.001				<0.001	
3/29/2017		<0.001		<0.001		
3/30/2017	0.0001 (J)		0.0001 (J)		0.0004 (J)	<0.001
5/11/2017			9E-05 (J)			
5/12/2017						<0.001
6/15/2017			0.0001 (J)			<0.001
7/11/2017			<0.001			
7/12/2017	<0.001	<0.001		<0.001	0.0001 (J)	<0.001
10/24/2017			<0.001			
10/25/2017	<0.001	<0.001		<0.001	<0.001	
10/26/2017						<0.001
2/27/2018			<0.001			
2/28/2018	<0.001	<0.001		<0.001	<0.001	
3/1/2018						<0.001
7/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001	
7/12/2018						<0.001
11/6/2018			<0.001			
11/7/2018	<0.001	<0.001		<0.001	<0.001	
11/8/2018						<0.001
8/27/2019	9E-05 (J)		6E-05 (J)			
8/28/2019		0.00026 (J)				
8/29/2019				0.00015 (J)	0.00023 (J)	6.6E-05 (J)
10/16/2019		<0.001				
10/17/2019			8.6E-05 (J)	9.7E-05 (J)	4.6E-05 (J)	
10/18/2019	7.4E-05 (J)					<0.001
3/3/2020		7E-05 (J)	<0.001		0.00015 (J)	
3/4/2020	0.00013 (J)			0.00068 (J)		<0.001
8/11/2020		5.3E-05 (J)	6.4E-05 (J)			
8/13/2020				0.00044 (J)		<0.001
8/14/2020	0.00017 (J)				<0.001	
9/22/2020		0.00016 (J)		0.00013 (J)		
9/23/2020			9.4E-05 (J)			
9/24/2020	7.9E-05 (J)				0.00014 (J)	<0.001
3/2/2021		4.5E-05 (J)	0.00014 (J)	0.00047 (J)		
3/3/2021	0.00015 (J)				<0.001	<0.001
9/9/2021		<0.001	<0.001		<0.001	<0.001
9/10/2021				<0.001		
9/13/2021	<0.001					
Mean	0.0005862	0.0007059	0.0005156	0.0007311	0.0006177	0.0009377
Std. Dev.	0.0004585	0.0004334	0.0004693	0.0003691	0.0004296	0.0002412
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.001
Lower Lim.	9E-05	7E-05	8.6E-05	0.00015	0.00014	6.6E-05

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5	DGWC-8
8/30/2016						<0.001
8/31/2016					0.0002 (J)	
9/1/2016			0.0005 (J)	0.0008 (J)		
9/7/2016		0.0002 (J)				
12/6/2016					0.0004 (J)	<0.001
12/8/2016		0.0002 (J)	<0.001	0.0019 (J)		
3/28/2017	0.0002 (J)				<0.001	
3/29/2017						0.0001 (J)
3/30/2017				0.0035 (J)		
3/31/2017		0.0004 (J)	0.0009 (J)			
5/12/2017	<0.001					
6/15/2017	<0.001					
7/11/2017	<0.001				<0.001	<0.001
7/13/2017		0.0004 (J)	0.0007 (J)	0.002 (J)		
10/24/2017	<0.001					<0.001
10/25/2017		0.0002 (J)			0.0024 (J)	
10/26/2017			0.0009 (J)	0.0022 (J)		
2/27/2018	<0.001				<0.001	<0.001
2/28/2018		<0.001				
3/1/2018			<0.001			
3/2/2018				<0.001		
7/11/2018		0.00052 (J)				
7/12/2018			0.001 (J)	0.0014 (J)		
11/6/2018	<0.001				<0.001	<0.001
11/7/2018		<0.005 (J)	<0.005 (J)	<0.005 (J)		
8/27/2019	4.9E-05 (J)				5.1E-05 (J)	
8/28/2019		0.00036 (J)				8.2E-05 (J)
8/29/2019			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)			
10/18/2019				0.00095 (J)		
3/2/2020	<0.001				5.1E-05 (J)	
3/3/2020						0.00023 (J)
3/4/2020		0.0001 (J)	0.00088 (J)	0.0012 (J)		
8/12/2020	<0.001		0.0004 (J)		6.3E-05 (J)	0.0007 (J)
8/13/2020		0.0016 (J)		0.00092 (J)		
9/22/2020	<0.001	0.00074 (J)			4.8E-05 (J)	
9/23/2020			0.00053 (J)	0.001 (J)		0.00011 (J)
3/1/2021	0.00012 (J)					
3/2/2021					8E-05 (J)	0.00027 (J)
3/3/2021		0.00024 (J)	0.0007 (J)	0.0011		
9/10/2021	<0.001		<0.001	0.00099 (J)	<0.001	
9/13/2021		<0.001				<0.001
Mean	0.0007478	0.0008147	0.001081	0.001664	0.0005984	0.0006273
Std. Dev.	0.0004149	0.001228	0.001106	0.001169	0.0006777	0.0004132
Upper Lim.	0.001	0.0004678	0.0011	0.0022	0.001	0.001
Lower Lim.	0.00012	0.0001549	0.00053	0.00095	5.1E-05	0.00011

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-9	B-100	B-102D	B-104D	B-111D	B-56
8/30/2016	<0.001					
12/6/2016	<0.001					
3/28/2017	<0.001					
7/11/2017	<0.001					
10/24/2017	<0.001					
2/27/2018	<0.001					
7/11/2018	<0.001					
11/6/2018	<0.001					
8/27/2019	<0.001					
10/17/2019	<0.001					
3/3/2020	0.00017 (J)					
8/11/2020	<0.001					
8/17/2020		8.8E-05 (J)				0.00022 (J)
9/22/2020	0.00015 (J)					
9/25/2020		0.00021 (J)				
9/28/2020						9.1E-05 (J)
12/9/2020				5.1E-05 (J)	5.8E-05 (J)	
12/17/2020			3.7E-05 (J)			
1/11/2021			5E-05 (J)			
1/12/2021				<0.001	5.1E-05 (J)	
3/2/2021	0.00028 (J)					
3/3/2021						0.0001 (J)
3/4/2021			5.9E-05 (J)	<0.001		
3/5/2021					<0.001	
3/8/2021		0.00018 (J)				
9/10/2021	<0.001		<0.001			
9/13/2021		<0.001				<0.001
9/14/2021				<0.001	<0.001	
Mean	0.00084	0.0003695	0.0002865	0.0007628	0.0005273	0.0003528
Std. Dev.	0.0003323	0.0004235	0.0004758	0.0004745	0.0005459	0.0004355
Upper Lim.	0.001	0.0003036	0.001	0.001	0.001	0.0002854
Lower Lim.	0.00028	5.528E-05	3.7E-05	5.1E-05	5.1E-05	3.627E-05

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

	B-63	B-82	B-88	B-93
1/28/2019	<0.001			
9/11/2019	4.7E-05 (J)			
9/23/2019		0.00016 (J)		
10/21/2019		<0.001		
10/22/2019	7.3E-05 (J)			
8/17/2020		5.9E-05 (J)	0.00081 (J)	
8/19/2020				0.00012 (J)
9/25/2020			0.00035 (J)	
9/28/2020		0.00011 (J)		0.00012 (J)
3/5/2021			0.012	
3/9/2021				<0.001
9/13/2021			<0.001	
9/14/2021	<0.001	<0.001		
9/15/2021				<0.001
Mean	0.00053	0.0004658	0.00354	0.00056
Std. Dev.	0.0005428	0.000489	0.005647	0.0005081
Upper Lim.	0.001	0.0001911	0.02767	0.001
Lower Lim.	4.7E-05	4.858E-05	4.865E-05	0.00012

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 2:54 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	0.0022 (J)	0.0022 (J)			0.0031 (J)	
9/1/2016			<0.03			
9/6/2016				0.0029 (J)		0.0064 (J)
12/6/2016	<0.03	0.0027 (J)			0.0042 (J)	
12/7/2016			<0.03	0.003 (J)		0.0066 (J)
3/29/2017	0.002 (J)	0.0021 (J)	<0.03		0.0041 (J)	
3/30/2017				0.0035 (J)		0.0061 (J)
7/12/2017	0.0019 (J)	0.0022 (J)	<0.03	0.0028 (J)	0.0036 (J)	0.006 (J)
10/24/2017	0.0022 (J)	0.0024 (J)				
10/25/2017			<0.03		0.0032 (J)	0.0061 (J)
11/15/2017				0.0028 (J)		
2/27/2018	0.0037 (J)	0.0022 (J)	0.00097 (J)		0.0035 (J)	
2/28/2018				<0.03		0.0062 (J)
7/11/2018			<0.03		0.0034 (J)	0.0058 (J)
11/6/2018	<0.03	<0.03				
11/7/2018			<0.03	<0.03	<0.03	<0.05 (O)
8/27/2019	0.0053 (J)	0.0023 (J)	0.0011 (J)		0.0038 (J)	
8/28/2019				0.0033 (J)		0.0063 (J)
9/17/2019			0.0011 (J)			
10/15/2019	0.0051 (J)	0.0019 (J)	0.00091 (J)			
10/16/2019				0.0029 (J)	0.0032 (J)	
10/17/2019						0.0064 (J)
3/2/2020		0.0023 (J)	<0.03			
3/3/2020	0.0049 (J)			0.0035 (J)	0.008 (J)	0.0059 (J)
8/11/2020	0.0033 (J)	0.0028 (J)	0.0011 (J)		0.0035 (J)	
8/12/2020				0.0034 (J)		
8/13/2020						0.0089 (J)
9/22/2020		0.0019 (J)	<0.03		0.0038 (J)	
9/23/2020				0.0033 (J)		0.006 (J)
9/24/2020	0.0049 (J)					
3/2/2021		0.0017 (J)		0.0033 (J)	0.004 (J)	0.0051 (J)
3/3/2021			<0.03			
3/4/2021	0.0042 (J)					
9/9/2021		0.0029 (J)	<0.03	0.0036 (J)	0.0044 (J)	0.0057 (J)
9/10/2021	0.0051 (J)					
Mean	0.005343	0.003186	0.01064	0.004879	0.00472	0.00625
Std. Dev.	0.004279	0.003418	0.006685	0.004297	0.003078	0.0008465
Upper Lim.	0.006793	0.0028	0.015	0.0036	0.0044	0.0066
Lower Lim.	0.002702	0.0019	0.0011	0.0029	0.0032	0.0058

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 2:54 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		0.0034 (J)				
9/2/2016				0.0021 (J)	0.0057 (J)	0.0046 (J)
9/7/2016	<0.03					
12/7/2016		0.0034 (J)		0.005 (J)		
12/8/2016	<0.03				0.0054 (J)	0.0047 (J)
3/29/2017		0.0031 (J)		0.0021 (J)		0.0043 (J)
3/30/2017	<0.03		0.0807		0.0065 (J)	
5/11/2017			0.085			
6/15/2017			0.0781			
7/11/2017			0.0731			
7/12/2017	<0.03	0.0032 (J)		0.0019 (J)	0.0057 (J)	
7/13/2017						0.0044 (J)
10/24/2017			0.0995			
10/25/2017	<0.03	0.0031 (J)		0.0022 (J)	0.006 (J)	0.0042 (J)
2/27/2018			0.0875			
2/28/2018	<0.03	0.0031 (J)		0.0019 (J)	0.0061 (J)	0.0043 (J)
7/11/2018	<0.03	0.0034 (J)	0.033 (J)	0.0022 (J)	0.0057 (J)	
7/12/2018						0.0036 (J)
11/6/2018			<0.03			
11/7/2018	<0.03	<0.03		<0.03	<0.03	<0.03
8/27/2019	0.00089 (J)		0.032			
8/28/2019		0.0032 (J)				
8/29/2019				0.0093 (J)	0.0061 (J)	0.0035 (J)
10/16/2019		0.0026 (J)				
10/17/2019			0.029 (J)	0.0075 (J)	0.0063 (J)	
10/18/2019	0.00096 (J)					0.0041 (J)
3/3/2020		0.0034 (J)	0.026 (J)		0.0065 (J)	0.0046 (J)
3/4/2020	0.0011 (J)			0.019 (J)		
8/11/2020		0.0031 (J)	0.028 (J)			
8/13/2020				0.012 (J)		
8/14/2020	0.0015 (J)				0.0058 (J)	0.0039 (J)
9/22/2020		0.0034 (J)		0.0026 (J)		
9/23/2020			0.022 (J)			
9/24/2020	0.00096 (J)				0.0062 (J)	0.0037 (J)
3/2/2021		0.003 (J)	0.023 (J)	0.011 (J)		
3/3/2021	0.0011 (J)				0.0054 (J)	0.0038 (J)
9/9/2021		0.0035 (J)	0.024 (J)		0.006 (J)	
9/10/2021				0.0023 (J)		0.0039 (J)
9/13/2021	<0.03					
Mean	0.009434	0.003993	0.04906	0.006407	0.00656	0.00484
Std. Dev.	0.007057	0.003053	0.03031	0.005611	0.00236	0.002836
Upper Lim.	0.015	0.0035	0.085	0.012	0.0065	0.0046
Lower Lim.	0.00096	0.003	0.023	0.0021	0.0057	0.0037

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 2:54 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						0.0026 (J)
9/1/2016				0.0854	0.125	
9/7/2016			0.012 (J)			
12/6/2016						0.0046 (J)
12/8/2016			0.0118 (J)	0.0667	0.122	
3/28/2017		0.0031 (J)				0.0028 (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)
7/12/2017	0.0068 (J)					
7/13/2017			0.0116 (J)	0.0743	0.143	
10/24/2017		0.0024 (J)				
10/25/2017			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)
2/28/2018			0.0122 (J)			
3/1/2018	0.0759			0.0772		
3/2/2018					0.129	
7/11/2018			0.01 (J)			
7/12/2018	0.0047 (J)			0.073	0.12	
11/6/2018		<0.03				<0.03
11/7/2018			<0.03	0.082	0.12	
11/8/2018	<0.03					
8/27/2019		0.0033 (J)				0.008 (J)
8/28/2019			0.01 (J)			
8/29/2019	0.0017 (J)			0.056	0.11	
10/15/2019		0.0029 (J)				
10/16/2019						0.006 (J)
10/17/2019			0.011 (J)	0.066		
10/18/2019	0.0039 (J)				0.11	
3/2/2020		0.0035 (J)				0.0079 (J)
3/4/2020	0.004 (J)		0.0091 (J)	0.063	0.12	
8/12/2020		0.0031 (J)		0.054		0.0067 (J)
8/13/2020	0.0052 (J)		0.011 (J)		0.098	
9/22/2020		0.0026 (J)	0.0099 (J)			0.0065 (J)
9/23/2020				0.046	0.1	
9/24/2020	0.0045 (J)					
3/1/2021		0.0035 (J)				
3/2/2021						0.0064 (J)
3/3/2021	0.014 (J)		0.0079 (J)	0.049	0.096	
9/9/2021	0.0081 (J)					
9/10/2021		0.0035 (J)		0.053	0.095	0.0071 (J)
9/13/2021			0.015 (J)			
Mean	0.01165	0.003786	0.01137	0.06622	0.1165	0.006343
Std. Dev.	0.01832	0.003256	0.001928	0.01232	0.01544	0.003062
Upper Lim.	0.01279	0.0035	0.01268	0.07457	0.1269	0.008199
Lower Lim.	0.003816	0.0025	0.01007	0.05787	0.106	0.004206

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100	B-102D	B-104D	B-56
8/30/2016	0.005 (J)	0.0212 (J)				
12/6/2016	0.0066 (J)	0.0242 (J)				
3/28/2017		0.0249 (J)				
3/29/2017	0.0059 (J)					
7/11/2017	0.0045 (J)	0.022 (J)				
10/24/2017	0.0072 (J)	0.0281 (J)				
2/27/2018	0.0075 (J)	0.031 (J)				
7/11/2018		0.028 (J)				
11/6/2018	<0.03	<0.03				
8/27/2019		0.031				
8/28/2019	0.0048 (J)					
10/16/2019	0.0045 (J)					
10/17/2019		0.029 (J)				
3/3/2020	0.0052 (J)	0.028 (J)				
8/11/2020		0.032				
8/12/2020	0.0058 (J)					
8/17/2020			0.0013 (J)			0.0056 (J)
9/22/2020		0.025 (J)				
9/23/2020	0.0045 (J)					
9/25/2020			0.0027 (J)			
9/28/2020						0.005 (J)
12/9/2020					0.039 (J)	
12/17/2020				0.012 (J)		
1/11/2021				0.015 (J)		
1/12/2021					0.039	
3/2/2021	0.0046 (J)	0.028 (J)				
3/3/2021						0.0051 (J)
3/4/2021				0.014 (J)	0.038	
3/8/2021			0.0024 (J)			
9/10/2021		0.027 (J)		0.012 (J)		
9/13/2021	0.0034 (J)		0.0022 (J)			0.0055 (J)
9/14/2021					0.036	
Mean	0.006036	0.02629	0.00215	0.01325	0.038	0.0053
Std. Dev.	0.002823	0.004445	0.0006028	0.0015	0.001414	0.0002944
Upper Lim.	0.0072	0.02931	0.003519	0.01666	0.04121	0.005968
Lower Lim.	0.0045	0.02328	0.0007815	0.009844	0.03479	0.004632

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

	B-62	B-63	B-83	B-93
1/28/2019		<0.03		
1/30/2019	<0.03			
9/11/2019	0.0078 (J)	0.0064 (J)		
10/21/2019	0.0078 (J)		0.003 (J)	
10/22/2019		0.0062 (J)		
8/13/2020	0.0087 (J)			
8/14/2020			0.0045 (J)	
8/19/2020				0.011 (J)
9/24/2020	0.0084 (J)			
9/25/2020			0.0018 (J)	
9/28/2020				0.011 (J)
3/4/2021			0.0024 (J)	
3/9/2021				0.012 (J)
3/12/2021	0.0087 (J)	0.0066 (J)		
9/9/2021	0.0094 (J)			
9/14/2021		0.0064 (J)		
9/15/2021				0.011 (J)
9/16/2021			0.0021 (J)	
Mean	0.0094	0.00812	0.00276	0.01125
Std. Dev.	0.002532	0.003849	0.001069	0.0005
Upper Lim.	0.015	0.015	0.004551	0.012
Lower Lim.	0.0078	0.0062	0.0009685	0.011

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 11/8/2021 2:54 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					
Mean	0.0001658	0.0001707	0.0001541	0.0001829	0.0001727	0.0001907
Std. Dev.	5.628E-05	5.85E-05	6.456E-05	4.375E-05	5.688E-05	3.615E-05
Upper Lim.	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Lower Lim.	8.1E-05	8E-05	8E-05	9E-05	8E-05	6E-05

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 11/8/2021 2:54 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)					
Mean	0.0001404	0.000172	0.0002049	0.0001767	0.000158	0.0001677
Std. Dev.	6.361E-05	5.882E-05	0.0001304	4.835E-05	6.327E-05	5.729E-05
Upper Lim.	0.0002	0.0002	0.00064	0.0002	0.0002	0.0002
Lower Lim.	6E-05	9E-05	8.3E-05	9E-05	6E-05	0.0001

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 11/8/2021 2:54 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
Mean	0.0001853	0.0002059	0.0001893	0.0001907	0.0001924	0.0001494
Std. Dev.	5.73E-05	0.0001192	4.131E-05	3.615E-05	0.0001175	6.312E-05
Upper Lim.	0.0002053	0.00059	0.0002	0.0002	0.0002402	0.0002
Lower Lim.	0.0001241	0.00013	4E-05	6E-05	0.0001202	7.9E-05

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-9	B-104D	B-111D	B-56	B-82	B-88
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)					
9/23/2019					<0.0002	
10/17/2019	0.00042 (J)					
10/21/2019					<0.0002	
3/3/2020	<0.0002					
8/11/2020	0.00026					
8/17/2020				0.00016 (J)	0.00011 (J)	0.00011 (J)
9/22/2020	0.00013 (J)					
9/25/2020						<0.0002
9/28/2020				<0.0002	<0.0002	
12/9/2020		7.9E-05 (J)	9.4E-05 (J)			
1/12/2021		<0.0002	<0.0002			
3/2/2021	0.00017 (J)					
3/3/2021				<0.0002		
3/4/2021		<0.0002				
3/5/2021			<0.0002			0.0001 (J)
9/10/2021	0.00014 (J)					
9/13/2021				<0.0002		<0.0002
9/14/2021		<0.0002	<0.0002		<0.0002	
Mean	0.0001881	0.0001697	0.0001735	0.00019	0.000182	0.0001525
Std. Dev.	8.736E-05	6.05E-05	5.3E-05	2E-05	4.025E-05	5.5E-05
Upper Lim.	0.00021	0.0002	0.0002	0.0002	0.0002	0.0002
Lower Lim.	0.00013	7.9E-05	9.4E-05	0.00016	0.00011	0.0001

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

	B-93
8/19/2020	0.00026
9/28/2020	0.00024 (J)
3/9/2021	0.00015 (J)
9/15/2021	9.8E-05 (J)
Mean	0.000187
Std. Dev.	7.622E-05
Upper Lim.	0.00036
Lower Lim.	1.396E-05

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-13	DGWC-2	DGWC-23	DGWC-4	B-104D	B-111D
9/6/2016	0.0371					
12/7/2016	0.0273					
3/28/2017				0.008 (J)		
3/30/2017	0.03	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	0.0323		0.0092 (J)			
10/24/2017		<0.01		0.0072 (J)		
10/26/2017			0.0077 (J)			
11/15/2017	0.0275					
2/27/2018		<0.01		0.0069 (J)		
2/28/2018	0.0093 (J)					
3/1/2018			0.0045 (J)			
7/11/2018		<0.01				
7/12/2018			0.012			
11/6/2018		<0.01		<0.01 (J)		
11/7/2018	0.018					
11/8/2018			0.012			
8/27/2019		0.002 (J)		0.0065 (J)		
8/28/2019	0.015					
8/29/2019			0.014			
10/15/2019				0.0061 (J)		
10/16/2019	0.014					
10/17/2019		0.0018 (J)				
10/18/2019			0.0091 (J)			
3/2/2020				0.0059 (J)		
3/3/2020	0.018	0.0022 (J)				
3/4/2020			0.0047 (J)			
8/11/2020		0.002 (J)				
8/12/2020	0.012			0.0057 (J)		
8/13/2020			0.013			
9/22/2020				0.0028 (J)		
9/23/2020	0.012	0.0022 (J)				
9/24/2020			0.0088 (J)			
12/9/2020				0.0012 (J)	0.0055 (J)	
1/12/2021				<0.01	0.0054 (J)	
3/1/2021				0.0051 (J)		
3/2/2021	0.011	0.0021 (J)				
3/3/2021			0.0026 (J)			
3/4/2021				<0.01		
3/5/2021					0.0067 (J)	
9/9/2021	0.011	0.0023 (J)	0.01			
9/10/2021				0.0052 (J)		
9/14/2021				<0.01	0.013	
Mean	0.01961	0.005093	0.008993	0.006007	0.0078	0.00765
Std. Dev.	0.009301	0.004167	0.003208	0.001765	0.0044	0.003615
Upper Lim.	0.0262	0.01	0.01117	0.007258	0.01	0.01817
Lower Lim.	0.01302	0.0018	0.00682	0.004757	0.0012	0.002799

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

	B-66	B-88
1/30/2019	<0.01	
9/12/2019	0.0018 (J)	
10/21/2019	0.0015 (J)	
8/17/2020		0.0012 (J)
9/25/2020		0.0012 (J)
3/5/2021		<0.01
9/13/2021		<0.01
9/14/2021	<0.01	
Mean	0.005825	0.0056
Std. Dev.	0.004822	0.005081
Upper Lim.	0.01	0.01
Lower Lim.	0.0015	0.0012

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-10	DGWC-12	DGWC-13	DGWC-14	DGWC-15	DGWC-17
8/31/2016	0.0366			0.0016 (J)		
9/1/2016		0.0017 (J)				
9/6/2016			0.0011 (J)		<0.005	
9/7/2016						0.007 (J)
12/6/2016	0.0026 (J)			<0.005		
12/7/2016		<0.005	0.0015 (J)		<0.005	
12/8/2016						0.0087 (J)
3/29/2017	0.0286	0.0017 (J)		<0.005		
3/30/2017			0.0015 (J)		<0.005	0.0099 (J)
7/12/2017	0.0257	0.0019 (J)	<0.005	<0.005	<0.005	0.0072 (J)
10/24/2017	0.0281					
10/25/2017		0.0024 (J)		<0.005	<0.005	0.0078 (J)
11/15/2017			0.0019 (J)			
2/27/2018	0.0667	<0.005		<0.005		
2/28/2018			<0.005		<0.005	<0.005
7/11/2018		<0.005		0.002 (J)	<0.005	0.007 (J)
11/6/2018	0.049					
11/7/2018		<0.01 (J)	<0.01 (J)	<0.01 (J)	<0.01 (J)	<0.005
8/27/2019	0.015	<0.005		<0.005		0.0073 (J)
8/28/2019			0.0039 (J)		<0.005	
9/17/2019		0.0014 (J)				
10/15/2019	0.071	0.0019 (J)				
10/16/2019			0.0031 (J)	0.0017 (J)		
10/17/2019					<0.005	
10/18/2019						0.0093 (J)
3/2/2020		<0.005				
3/3/2020	0.021		0.0062 (J)	0.0014 (J)	<0.005	
3/4/2020						0.0074 (J)
8/11/2020	0.023	0.0019 (J)		<0.005		
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		
9/23/2020			0.0053 (J)		<0.005	
9/24/2020	0.074					0.015
3/2/2021			0.006	<0.005	<0.005	
3/3/2021		<0.005				0.0072
3/4/2021	0.05					
9/9/2021		<0.005	0.006	0.0017 (J)	<0.005	
9/10/2021	0.034					
9/13/2021						0.0071
Mean	0.03752	0.003931	0.004307	0.004227	0.00512	0.007953
Std. Dev.	0.0217	0.002266	0.00244	0.002257	0.001582	0.002359
Upper Lim.	0.05289	0.005	0.004442	0.01	0.01	0.009189
Lower Lim.	0.02215	0.0017	0.0019	0.0017	0.0018	0.006423

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 11/8/2021 2:54 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-47
9/1/2016	0.0093 (J)					0.0217
9/2/2016			0.0671	<0.005		
12/7/2016	<0.005		0.0056 (J)			
12/8/2016				<0.005		0.017
3/28/2017					<0.005	
3/29/2017	0.0071 (J)		0.0521	<0.005		
3/30/2017		<0.005				
3/31/2017						0.0133
5/11/2017		<0.005				
5/12/2017					<0.005	
6/15/2017		<0.005			<0.005	
7/11/2017		<0.005			<0.005	
7/12/2017	0.0065 (J)		0.0483			
7/13/2017				<0.005		0.0068 (J)
10/24/2017		<0.005			<0.005	
10/25/2017	0.0087 (J)		0.0506	<0.005		
10/26/2017						0.0097 (J)
2/27/2018		<0.005			<0.005	
2/28/2018	0.0114		0.0755	<0.005		
3/1/2018						0.0124
7/11/2018	0.0036 (J)	0.0045 (J)	0.022			
7/12/2018				0.0017 (J)		0.015
11/6/2018		<0.01 (J)			<0.005	
11/7/2018	<0.01 (J)		0.044	<0.005		<0.01 (J)
8/27/2019		0.0069 (J)			<0.005	
8/28/2019	0.004 (J)					
8/29/2019			0.029	<0.005		0.004 (J)
10/15/2019					0.0014 (J)	
10/16/2019	0.006 (J)					
10/17/2019		0.0051 (J)	0.071			0.0062 (J)
10/18/2019				<0.005		
3/2/2020					<0.005	
3/3/2020	0.0066 (J)	0.0047 (J)		<0.005		
3/4/2020			0.071			0.0065 (J)
8/11/2020	0.0096 (J)	0.0053 (J)				
8/12/2020					<0.005	0.002 (J)
8/13/2020			0.091			
8/14/2020				<0.005		
9/22/2020	0.0052 (J)		0.023		<0.005	
9/23/2020		0.0046 (J)				<0.005
9/24/2020				<0.005		
3/1/2021					<0.005	
3/2/2021	0.0091	0.0037 (J)	0.078			
3/3/2021				<0.005		0.0039 (J)
9/9/2021	0.0083	0.0031 (J)				
9/10/2021			0.031	<0.005	<0.005	0.0035 (J)
Mean	0.00736	0.005193	0.05061	0.00478	0.004743	0.009133
Std. Dev.	0.00234	0.001557	0.02481	0.0008521	0.0009621	0.005718
Upper Lim.	0.008946	0.0053	0.06742	0.005	0.005	0.01301
Lower Lim.	0.005774	0.0045	0.0338	0.0017	0.0014	0.005259

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-48	DGWC-5	DGWC-8	DGWC-9	B-100	B-104D
8/30/2016			0.0032 (J)	0.0833		
8/31/2016		0.0182				
9/1/2016	0.0084 (J)					
12/6/2016		0.012	<0.005	0.0065 (J)		
12/8/2016	0.0084 (J)					
3/28/2017		0.168		0.0954		
3/29/2017			0.0048 (J)			
3/30/2017	0.0079 (J)					
7/11/2017		0.0607	0.0031 (J)	0.0561		
7/13/2017	0.0062 (J)					
10/24/2017			0.0069 (J)	0.0653		
10/25/2017		0.034				
10/26/2017	0.0058 (J)					
2/27/2018		0.0348	<0.005	0.13		
3/2/2018	<0.005					
7/11/2018				0.045		
7/12/2018	0.013					
11/6/2018		<0.01 (J)	<0.01 (J)	0.12		
11/7/2018	<0.01 (J)					
8/27/2019		0.0031 (J)		0.067		
8/28/2019			<0.005			
8/29/2019	0.0023 (J)					
10/16/2019		0.015	0.0016 (J)			
10/17/2019				0.19		
10/18/2019	0.005 (J)					
3/2/2020		0.032				
3/3/2020			0.0018 (J)	0.046		
3/4/2020	0.0061 (J)					
8/11/2020				0.11		
8/12/2020		0.011	<0.005			
8/13/2020	0.0029 (J)					
8/17/2020					<0.005	
9/22/2020		0.04		0.23		
9/23/2020	0.0016 (J)		0.0028 (J)			
9/25/2020					<0.005	
12/9/2020						<0.005
1/12/2021						0.0016 (J)
3/2/2021		0.0081	<0.005	0.07		
3/3/2021	0.0025 (J)					
3/4/2021						0.0031 (J)
3/8/2021					0.0019 (J)	
9/10/2021	0.0022 (J)	0.0099		0.057		
9/13/2021			<0.005		<0.005	
9/14/2021						<0.005
Mean	0.00582	0.03263	0.004586	0.09144	0.004225	0.003675
Std. Dev.	0.003285	0.04214	0.002144	0.0581	0.00155	0.001648
Upper Lim.	0.008046	0.0457	0.00408	0.1308	0.005	0.004053
Lower Lim.	0.003594	0.00964	0.002153	0.05207	0.0019	0.0006472

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	B-111D	B-56	B-77	B-82	B-83	B-88
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)		
12/9/2020	<0.005					
1/12/2021	<0.005					
3/3/2021		0.013				
3/4/2021			0.0017 (J)		0.024	
3/5/2021	0.0022 (J)					0.0033 (J)
9/13/2021		0.011				0.0021 (J)
9/14/2021	<0.005		<0.005	<0.005		
9/16/2021					0.025	
Mean	0.0043	0.016	0.00445	0.00374	0.01824	0.0026
Std. Dev.	0.0014	0.008718	0.001347	0.001734	0.006906	0.0008246
Upper Lim.	0.005	0.029	0.005	0.005	0.02981	0.004472
Lower Lim.	0.0022	0.011	0.0017	0.0016	0.006668	0.0007278

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-10	DGWC-12	DGWC-17	DGWC-19	DGWC-20	DGWC-22
8/31/2016	0.0004 (J)					
9/1/2016		<0.001		0.0005 (J)		
9/2/2016					<0.001	<0.001
9/7/2016			<0.001			
12/6/2016	0.0004 (J)					
12/7/2016		<0.001		0.0005 (J)	0.0006 (J)	
12/8/2016			<0.001			<0.001
3/29/2017	0.0006 (J)	8E-05 (J)		0.0004 (J)	0.0006 (J)	6E-05 (J)
3/30/2017			0.0002 (J)			
7/12/2017	0.0005 (J)	9E-05 (J)	0.0002 (J)	0.0005 (J)	0.0006 (J)	
7/13/2017						7E-05 (J)
10/24/2017	0.0004 (J)					
10/25/2017		9E-05 (J)	0.0002 (J)	0.0004 (J)	0.0005 (J)	7E-05 (J)
2/27/2018	<0.001	<0.001				
2/28/2018			0.00015 (J)	0.00049 (J)	<0.001	<0.001
7/11/2018		<0.001	0.00017 (J)	0.0005 (J)	<0.001	
7/12/2018						<0.001
11/6/2018	<0.001 (J)					
11/7/2018		<0.001	<0.001	<0.001 (J)	<0.001 (J)	<0.001
8/27/2019	0.00036 (J)	8.9E-05 (J)	0.00018 (J)			
8/28/2019				0.00053 (J)		
8/29/2019					0.00084 (J)	6.4E-05 (J)
9/17/2019		9.7E-05 (J)				
10/15/2019	0.00039 (J)	9.1E-05 (J)				
10/16/2019				0.00053 (J)		
10/17/2019					0.00062 (J)	
10/18/2019			0.00014 (J)			<0.001
3/2/2020		0.00013 (J)				
3/3/2020	0.00042 (J)			0.0006 (J)		7E-05 (J)
3/4/2020			0.00019 (J)		0.0023 (J)	
8/11/2020	0.00037 (J)	<0.001		0.00059 (J)		
8/13/2020					0.0016 (J)	
8/14/2020			0.00019 (J)			<0.001
9/22/2020		<0.001		0.0005 (J)	0.00055 (J)	
9/24/2020	0.00034 (J)		0.00018 (J)			<0.001
3/2/2021				0.00056 (J)	0.0014 (J)	
3/3/2021		<0.001	0.00017 (J)			<0.001
3/4/2021	0.00042 (J)					
9/9/2021		<0.001		0.00056 (J)		
9/10/2021	0.00027 (J)				0.00052 (J)	<0.001
9/13/2021			<0.001			
Mean	0.0004907	0.0006042	0.000398	0.000544	0.000942	0.0006889
Std. Dev.	0.0002285	0.0004636	0.0003761	0.0001384	0.0004995	0.0004554
Upper Lim.	0.0006	0.001	0.001	0.00059	0.000988	0.001
Lower Lim.	0.00036	9E-05	0.00017	0.00049	0.0005219	6.4E-05

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

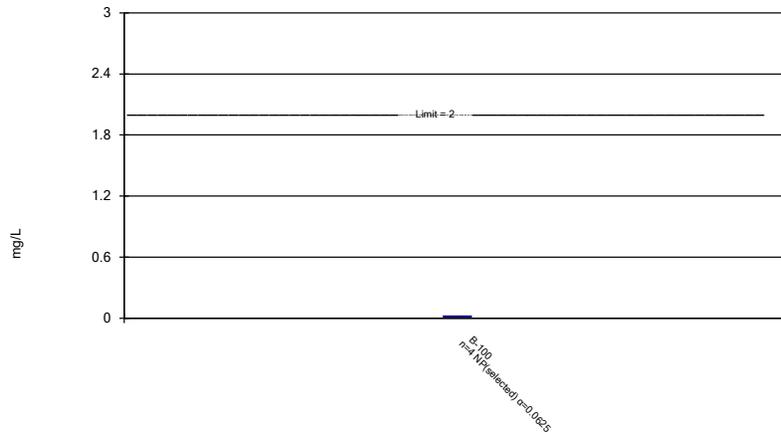
	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5	DGWC-8
8/30/2016						<0.001
8/31/2016					<0.001	
9/1/2016			0.0002 (J)	<0.001		
9/7/2016		<0.001				
12/6/2016					<0.001	<0.001
12/8/2016		<0.001	<0.001	<0.001		
3/28/2017	<0.001				0.0002 (J)	
3/29/2017						0.0002 (J)
3/30/2017				9E-05 (J)		
3/31/2017		9E-05 (J)	0.0002 (J)			
5/12/2017	<0.001					
6/15/2017	<0.001					
7/11/2017	<0.001				<0.001	0.0001 (J)
7/13/2017		9E-05 (J)	0.0002 (J)	8E-05 (J)		
10/24/2017	<0.001					0.0003 (J)
10/25/2017		9E-05 (J)			<0.001	
10/26/2017			0.0003 (J)	9E-05 (J)		
2/27/2018	<0.001				<0.001	0.00033 (J)
2/28/2018		<0.001				
3/1/2018			0.00032 (J)			
3/2/2018				<0.001		
7/11/2018		<0.001				
7/12/2018			0.00031 (J)	<0.001		
11/6/2018	<0.001				<0.001	<0.001 (J)
11/7/2018		<0.001	<0.001 (J)	<0.001		
8/27/2019	<0.001				<0.001	
8/28/2019		6.9E-05 (J)				0.00022 (J)
8/29/2019			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)			
10/18/2019				<0.001		
3/2/2020	<0.001				6.2E-05 (J)	
3/3/2020						0.00023 (J)
3/4/2020		<0.001	0.00021 (J)	6.8E-05 (J)		
8/12/2020	<0.001		0.00018 (J)		<0.001	0.00023 (J)
8/13/2020		<0.001		<0.001		
9/22/2020	<0.001	<0.001			<0.001	
9/23/2020			0.00026 (J)	<0.001		0.0002 (J)
3/1/2021	<0.001					
3/2/2021					<0.001	0.00019 (J)
3/3/2021		<0.001	0.00023 (J)	<0.001		
9/10/2021	<0.001		0.00036 (J)	<0.001	<0.001	
9/13/2021		<0.001				0.00019 (J)
Mean	0.0009338	0.0007559	0.0003513	0.0006937	0.00081	0.0003886
Std. Dev.	0.0002478	0.000419	0.0002684	0.0004484	0.0003787	0.0003356
Upper Lim.	0.001	0.001	0.00036	0.001	0.001	0.001
Lower Lim.	7.3E-05	9E-05	0.0002	8E-05	0.0002	0.00019

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-9	B-56	B-82	B-83	B-88
8/30/2016	<0.001				
12/6/2016	0.0006 (J)				
3/28/2017	0.0007 (J)				
7/11/2017	0.0007 (J)				
10/24/2017	0.0006 (J)				
2/27/2018	0.00038 (J)				
7/11/2018	<0.001				
11/6/2018	<0.001				
8/27/2019	0.00053 (J)				
9/23/2019			9.9E-05 (J)		
10/17/2019	0.00076 (J)				
10/21/2019			0.00011 (J)	7.2E-05 (J)	
3/3/2020	0.00044 (J)				
8/11/2020	<0.001				
8/14/2020				<0.001	
8/17/2020		0.00016 (J)	<0.001		<0.001
9/22/2020	0.00043 (J)				
9/25/2020				<0.001	<0.001
9/28/2020		0.00023 (J)	<0.001		
3/2/2021	<0.001				
3/3/2021		0.00026 (J)			
3/4/2021				<0.001	
3/5/2021					0.0002 (J)
9/10/2021	0.0004 (J)				
9/13/2021		0.00024 (J)			<0.001
9/14/2021			<0.001		
9/16/2021				<0.001	
Mean	0.0007027	0.0002225	0.0006418	0.0008144	0.0008
Std. Dev.	0.0002443	4.349E-05	0.0004905	0.000415	0.0004
Upper Lim.	0.001	0.0003212	0.001	0.001	0.001
Lower Lim.	0.00043	0.0001238	9.9E-05	7.2E-05	0.0002

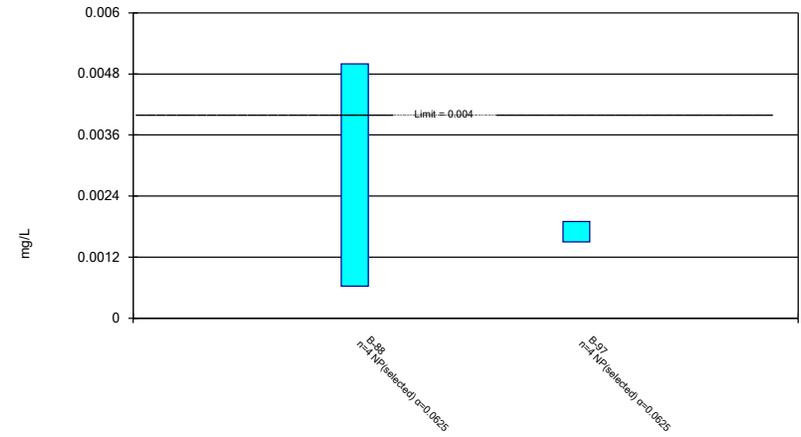
Non-Parametric Confidence Interval
Compliance Limit is not exceeded.



Normality testing disabled.

Constituent: Barium Analysis Run 11/8/2021 2:53 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

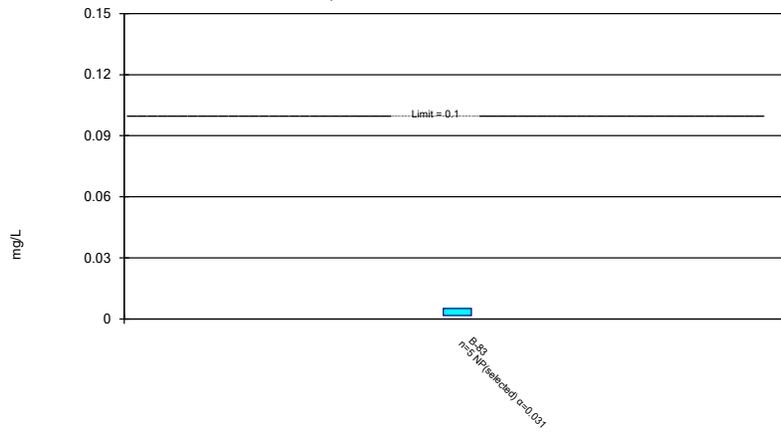
Non-Parametric Confidence Interval
Compliance Limit is not exceeded.



Normality testing disabled.

Constituent: Beryllium Analysis Run 11/8/2021 2:53 PM View: AP 234 Confidence Intervals Nonparametri
Plant McDonough Client: Southern Company Data: McDonough AP

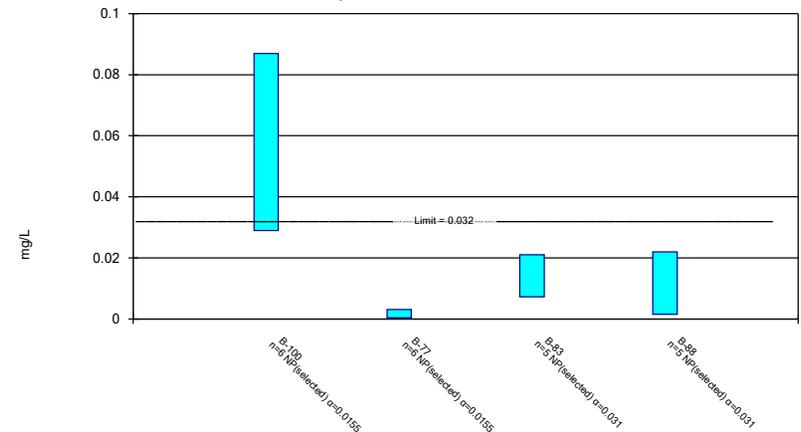
Non-Parametric Confidence Interval
Compliance Limit is not exceeded.



Normality testing disabled.

Constituent: Chromium Analysis Run 11/8/2021 2:53 PM View: AP 234 Confidence Intervals Nonparametr
Plant McDonough Client: Southern Company Data: McDonough AP

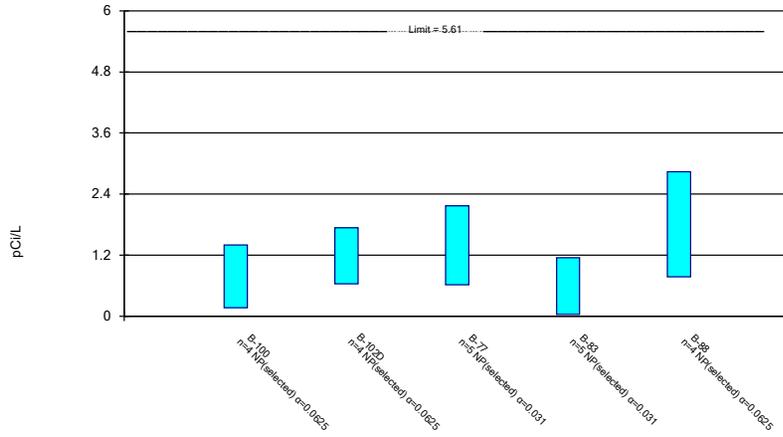
Non-Parametric Confidence Interval
Compliance Limit is not exceeded.



Normality testing disabled.

Constituent: Cobalt Analysis Run 11/8/2021 2:53 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

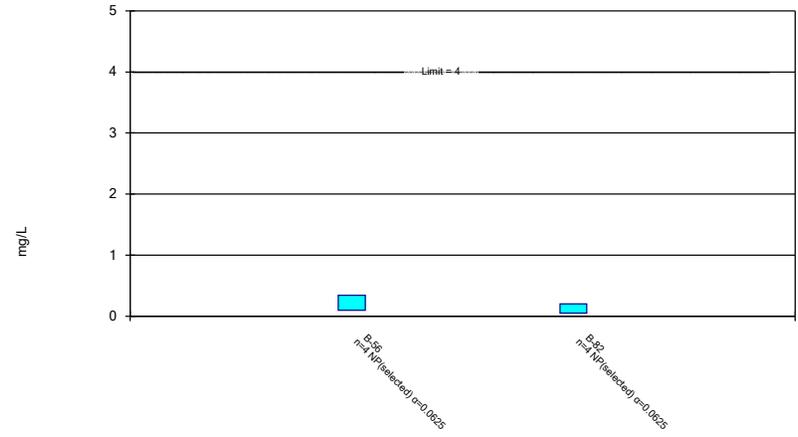
Non-Parametric Confidence Interval
Compliance Limit is not exceeded.



Normality testing disabled.

Constituent: Combined Radium 226 + 228 Analysis Run 11/8/2021 2:53 PM View: AP 234 Confidence Inte
Plant McDonough Client: Southern Company Data: McDonough AP

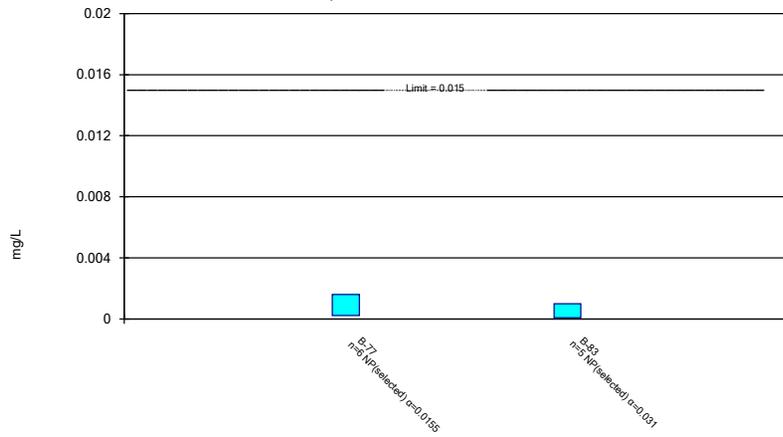
Non-Parametric Confidence Interval
Compliance Limit is not exceeded.



Normality testing disabled.

Constituent: Fluoride, total Analysis Run 11/8/2021 2:53 PM View: AP 234 Confidence Intervals Nonpara
Plant McDonough Client: Southern Company Data: McDonough AP

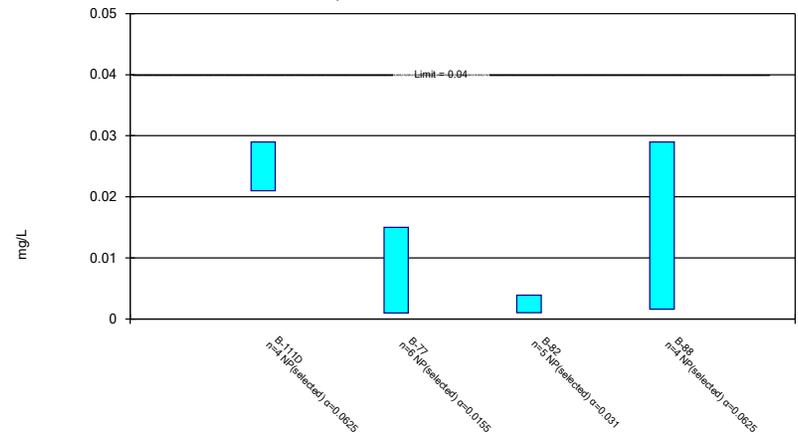
Non-Parametric Confidence Interval
Compliance Limit is not exceeded.



Normality testing disabled.

Constituent: Lead Analysis Run 11/8/2021 2:53 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval
Compliance Limit is not exceeded.

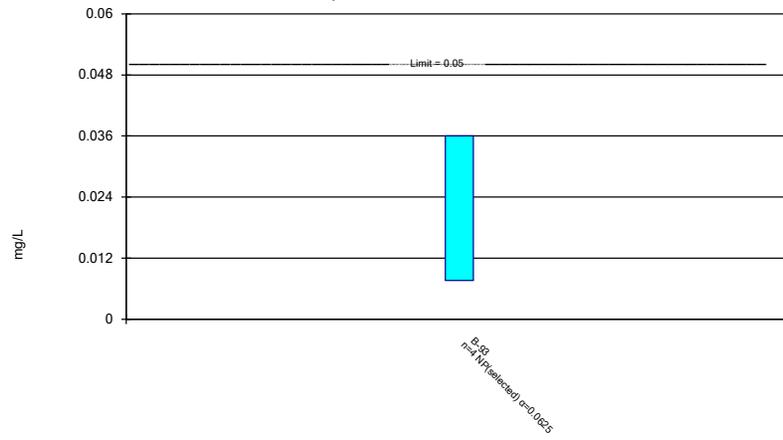


Normality testing disabled.

Constituent: Lithium Analysis Run 11/8/2021 2:53 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: Selenium Analysis Run 11/8/2021 2:53 PM View: AP 234 Confidence Intervals Nonparametri
Plant McDonough Client: Southern Company Data: McDonough AP

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

	B-100
8/17/2020	0.015
9/25/2020	0.022
3/8/2021	0.022
9/13/2021	0.021
Mean	0.02
Std. Dev.	0.003367
Upper Lim.	0.022
Lower Lim.	0.015

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

	B-88	B-97
2/17/2020		<0.003
2/27/2020		0.0019 (J)
8/17/2020	0.0014 (J)	
9/25/2020	0.00063 (J)	
3/5/2021	0.005	
3/9/2021		0.0019
9/13/2021	0.001	
9/15/2021		0.0016
Mean	0.002008	0.001725
Std. Dev.	0.00202	0.0002062
Upper Lim.	0.005	0.0019
Lower Lim.	0.00063	0.0015

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

	B-83
10/21/2019	0.0017 (J)
8/14/2020	0.005 (J)
9/25/2020	0.0051 (J)
3/4/2021	0.0049 (J)
9/16/2021	0.003 (J)
Mean	0.00394
Std. Dev.	0.001524
Upper Lim.	0.0051
Lower Lim.	0.0017

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

	B-100	B-77	B-83	B-88
9/18/2019		0.0031 (J)		
10/21/2019			0.018	
10/24/2019		0.0021 (J)		
11/22/2019				0.018 (J)
7/23/2020	0.086			
8/3/2020	0.087			
8/13/2020		0.0011 (J)		
8/14/2020			0.021	
8/17/2020	0.077			0.0031 (J)
9/24/2020		0.0004 (J)		
9/25/2020	0.034		0.0073	0.0015 (J)
3/4/2021		0.0017 (J)	0.0099	
3/5/2021				0.022
3/8/2021	0.029			
9/13/2021	0.035			0.0018 (J)
9/14/2021		<0.005		
9/16/2021			0.011	
Mean	0.058	0.001817	0.01344	0.00928
Std. Dev.	0.02804	0.0009725	0.005791	0.009906
Upper Lim.	0.087	0.0031	0.021	0.022
Lower Lim.	0.029	0.0004	0.0073	0.0015

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals Nonparametric
 Plant McDonough Client: Southern Company Data: McDonough AP

	B-100	B-102D	B-77	B-83	B-88
10/21/2019				0.792 (U)	
10/24/2019			1.87		
8/13/2020			2.17		
8/14/2020				0.95 (U)	
8/17/2020	1.4 (U)				2.47
9/24/2020			0.761 (U)		
9/25/2020	0.799 (U)			0.0359 (U)	0.925 (U)
12/17/2020		1.22 (U)			
1/11/2021		0.635 (U)			
3/4/2021		0.789 (U)	2.16	1.15 (U)	
3/5/2021					2.84
3/8/2021	0.168 (U)				
9/10/2021		1.74			
9/13/2021	0.774 (U)				0.771 (U)
9/14/2021			0.617 (U)		
9/16/2021				0.442 (U)	
Mean	0.7853	1.096	1.516	0.674	1.752
Std. Dev.	0.5031	0.4956	0.7658	0.4409	1.056
Upper Lim.	1.4	1.74	2.17	1.15	2.84
Lower Lim.	0.168	0.635	0.617	0.0359	0.771

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

	B-56	B-82
10/21/2019		0.2 (J)
8/17/2020	0.19	<0.1
9/28/2020	0.098 (J)	<0.1
3/3/2021	0.34	
9/13/2021	0.2	
9/14/2021		0.052 (J)
Mean	0.207	0.113
Std. Dev.	0.09985	0.06226
Upper Lim.	0.34	0.2
Lower Lim.	0.098	0.052

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

	B-77	B-83
9/18/2019	0.00032 (J)	
10/21/2019		0.00012 (J)
10/24/2019	<0.001	
8/13/2020	0.0016 (J)	
8/14/2020		0.00092 (J)
9/24/2020	0.00021 (J)	
9/25/2020		6.5E-05 (J)
3/4/2021	0.00029 (J)	0.00017 (J)
9/14/2021	<0.001	
9/16/2021		<0.001
Mean	0.0007367	0.000455
Std. Dev.	0.000554	0.0004634
Upper Lim.	0.0016	0.001
Lower Lim.	0.00021	6.5E-05

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

	B-111D	B-77	B-82	B-88
9/18/2019		0.0047 (J)		
9/23/2019			0.0039 (J)	
10/21/2019			0.0036 (J)	
10/24/2019		0.0036 (J)		
8/13/2020		0.0018 (J)		
8/17/2020			0.0016 (J)	0.006 (J)
9/24/2020		0.00095 (J)		
9/25/2020				0.0016 (J)
9/28/2020			0.001 (J)	
12/9/2020	0.021 (J)			
1/12/2021	0.021 (J)			
3/4/2021		0.0011 (J)		
3/5/2021	0.028 (J)			0.029 (J)
9/13/2021				0.0017 (J)
9/14/2021	0.029 (J)	<0.03	0.001 (J)	
Mean	0.02475	0.004525	0.00222	0.009575
Std. Dev.	0.004349	0.005339	0.001422	0.01311
Upper Lim.	0.029	0.015	0.0039	0.029
Lower Lim.	0.021	0.00095	0.001	0.0016

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 11/8/2021 2:54 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

	B-93
8/19/2020	0.018
9/28/2020	0.036
3/9/2021	0.0099 (J)
9/15/2021	0.0076
Mean	0.01788
Std. Dev.	0.01288
Upper Lim.	0.036
Lower Lim.	0.0076

FIGURE J.

State Confidence Intervals - Significant Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	DGWC-9	0.03003	0.0172	0.01	Yes	15	0.02361	0.009468	6.667	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-10	0.009208	0.005678	0.004	Yes	14	0.007443	0.002492	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-47	0.01281	0.009018	0.004	Yes	15	0.01091	0.002797	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-48	0.009234	0.007526	0.004	Yes	15	0.00838	0.00126	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-5	0.008688	0.006197	0.004	Yes	14	0.007443	0.001758	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-9	0.005896	0.004931	0.004	Yes	15	0.005413	0.000712	0	None	No	0.01	Param.
Beryllium (mg/L)	B-93	0.01805	0.006467	0.004	Yes	5	0.01378	0.003942	0	None	x^3	0.01	Param.
Cobalt (mg/L)	DGWC-10	0.1888	0.1413	0.032	Yes	14	0.1537	0.04866	0	None	x^4	0.01	Param.
Cobalt (mg/L)	DGWC-19	0.05331	0.04925	0.032	Yes	15	0.05128	0.002996	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-20	0.6394	0.4659	0.032	Yes	15	0.5575	0.1355	0	None	x^(1/3)	0.01	Param.
Cobalt (mg/L)	DGWC-47	0.3858	0.253	0.032	Yes	15	0.3194	0.09792	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-48	0.5073	0.402	0.032	Yes	15	0.4547	0.07771	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-8	0.0878	0.04412	0.032	Yes	14	0.06596	0.03083	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-9	0.201	0.1437	0.032	Yes	15	0.1724	0.04231	0	None	No	0.01	Param.
Cobalt (mg/L)	B-56	0.05421	0.03629	0.032	Yes	4	0.04525	0.003948	0	None	No	0.01	Param.
Cobalt (mg/L)	B-63	0.0547	0.0353	0.032	Yes	5	0.045	0.005788	0	None	No	0.01	Param.
Cobalt (mg/L)	B-93	0.069	0.0594	0.032	Yes	5	0.0642	0.002864	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-104D	21.26	6.892	5.61	Yes	4	14.08	3.164	0	None	No	0.01	Param.
Lithium (mg/L)	DGWC-47	0.07457	0.05787	0.03	Yes	15	0.06622	0.01232	0	None	No	0.01	Param.
Lithium (mg/L)	DGWC-48	0.1269	0.106	0.03	Yes	15	0.1165	0.01544	0	None	No	0.01	Param.
Lithium (mg/L)	B-104D	0.04121	0.03479	0.03	Yes	4	0.038	0.001414	0	None	No	0.01	Param.
Selenium (mg/L)	DGWC-9	0.1308	0.05207	0.05	Yes	15	0.09144	0.0581	0	None	No	0.01	Param.

State Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	B-100	0.001954	0.001046	0.006	No	4	0.00225	0.0008813	50	Kaplan-Meier	No	0.01	Param.
Antimony (mg/L)	B-102D	0.003	0.0016	0.006	No	4	0.00265	0.0007	75	Kaplan-Meier	No	0.0625	NP (NDs)
Antimony (mg/L)	B-104D	0.001068	0.0003847	0.006	No	4	0.00126	0.001169	25	Kaplan-Meier	x^(1/3)	0.01	Param.
Antimony (mg/L)	B-111D	0.003	0.0006	0.006	No	4	0.0024	0.0012	75	Kaplan-Meier	No	0.0625	NP (NDs)
Antimony (mg/L)	B-62	0.003	0.00046	0.006	No	7	0.002637	0.00096	85.71	Kaplan-Meier	No	0.008	NP (NDs)
Antimony (mg/L)	B-63	0.003	0.00066	0.006	No	4	0.002415	0.00117	75	None	No	0.0625	NP (NDs)
Antimony (mg/L)	B-77	0.003	0.00036	0.006	No	6	0.001737	0.001387	50	None	No	0.0155	NP (normality)
Antimony (mg/L)	B-93	0.003	0.0014	0.006	No	4	0.0026	0.0008	75	None	No	0.0625	NP (NDs)
Antimony (mg/L)	DGWC-12	0.003	0.0003	0.006	No	16	0.002831	0.000675	93.75	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-14	0.003	0.0011	0.006	No	15	0.002873	0.0004906	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-15	0.003	0.00073	0.006	No	15	0.002671	0.0008724	86.67	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-17	0.003	0.00045	0.006	No	15	0.00283	0.0006584	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-19	0.003	0.00036	0.006	No	15	0.002824	0.0006816	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-2	0.003	0.0006	0.006	No	15	0.00284	0.0006197	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-21	0.003	0.0013	0.006	No	15	0.002887	0.0004389	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-23	0.003	0.0007	0.006	No	15	0.002847	0.0005939	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-4	0.003	0.0008	0.006	No	14	0.002491	0.001014	78.57	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-47	0.003	0.0012	0.006	No	15	0.00288	0.0004648	93.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-48	0.003	0.0018	0.006	No	15	0.002746	0.0007213	86.67	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-5	0.003	0.0015	0.006	No	14	0.002701	0.0007935	85.71	None	No	0.01	NP (NDs)
Antimony (mg/L)	DGWC-8	0.003	0.00046	0.006	No	14	0.002819	0.0006788	92.86	None	No	0.01	NP (NDs)
Arsenic (mg/L)	B-104D	0.002881	0.001519	0.01	No	4	0.0036	0.001635	50	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	B-111D	0.003281	0.001919	0.01	No	4	0.0038	0.001407	50	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	B-56	0.0047	0.003	0.01	No	4	0.0035	0.0008042	0	None	No	0.0625	NP (normality)
Arsenic (mg/L)	B-77	0.002882	0.001869	0.01	No	6	0.003233	0.001409	33.33	Kaplan-Meier	ln(x)	0.01	Param.
Arsenic (mg/L)	B-93	0.003589	0.0004108	0.01	No	4	0.0035	0.001824	50	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	DGWC-10	0.00717	0.003601	0.01	No	14	0.005386	0.002519	7.143	None	No	0.01	Param.
Arsenic (mg/L)	DGWC-12	0.005	0.00063	0.01	No	16	0.004452	0.001498	87.5	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-14	0.005	0.00039	0.01	No	15	0.004693	0.00119	93.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-15	0.005	0.0013	0.01	No	15	0.004169	0.001726	80	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-17	0.005	0.0008	0.01	No	15	0.003395	0.002042	60	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-19	0.002035	0.0009847	0.01	No	15	0.002317	0.001551	20	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	DGWC-2	0.005	0.0025	0.01	No	15	0.004566	0.00118	86.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-20	0.01666	0.007499	0.01	No	15	0.01208	0.006761	0	None	No	0.01	Param.
Arsenic (mg/L)	DGWC-22	0.005	0.001	0.01	No	15	0.004733	0.001033	93.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-4	0.005	0.0008	0.01	No	14	0.004057	0.001875	78.57	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-42	0.005	0.0011	0.01	No	15	0.004453	0.001445	86.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-47	0.002647	0.001328	0.01	No	15	0.002627	0.001504	20	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	DGWC-48	0.005	0.0008	0.01	No	15	0.003206	0.002005	53.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-5	0.0118	0.002817	0.01	No	14	0.008443	0.009971	14.29	None	x^(1/3)	0.01	Param.
Arsenic (mg/L)	DGWC-8	0.005	0.0012	0.01	No	14	0.00369	0.001839	64.29	None	No	0.01	NP (NDs)
Arsenic (mg/L)	DGWC-9	0.03003	0.0172	0.01	Yes	15	0.02361	0.009468	6.667	None	No	0.01	Param.
Barium (mg/L)	B-100	0.022	0.015	2	No	4	0.02	0.003367	0	None	No	0.0625	NP (selected)
Barium (mg/L)	B-102D	0.02571	0.01829	2	No	4	0.022	0.001633	0	None	No	0.01	Param.
Barium (mg/L)	B-104D	0.026	0.021	2	No	4	0.0225	0.00238	0	None	No	0.0625	NP (normality)
Barium (mg/L)	B-111D	0.05204	0.01546	2	No	4	0.03375	0.008057	0	None	No	0.01	Param.
Barium (mg/L)	B-56	0.03185	0.02315	2	No	4	0.0275	0.001915	0	None	No	0.01	Param.
Barium (mg/L)	B-62	0.02758	0.01985	2	No	7	0.02371	0.003251	0	None	No	0.01	Param.
Barium (mg/L)	B-63	0.03208	0.01592	2	No	4	0.024	0.003559	0	None	No	0.01	Param.
Barium (mg/L)	B-66	0.01942	0.01508	2	No	4	0.01725	0.0009574	0	None	No	0.01	Param.
Barium (mg/L)	B-77	0.1255	0.08983	2	No	6	0.1077	0.01299	0	None	No	0.01	Param.

State Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	B-82	0.03301	0.01899	2	No	5	0.026	0.004183	0	None	No	0.01	Param.
Barium (mg/L)	B-83	0.05537	0.02029	2	No	5	0.0358	0.01158	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	B-88	0.02418	-0.01405	2	No	4	0.02025	0.002872	0	None	x^5	0.01	Param.
Barium (mg/L)	B-93	0.01892	0.01458	2	No	4	0.01675	0.0009574	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-10	0.02962	0.02305	2	No	14	0.02634	0.004637	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-11	0.06644	0.05633	2	No	14	0.06139	0.007138	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-12	0.03199	0.02415	2	No	16	0.02824	0.006231	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	DGWC-13	0.03292	0.02732	2	No	14	0.02908	0.007369	7.143	None	x^3	0.01	Param.
Barium (mg/L)	DGWC-14	0.06261	0.05787	2	No	15	0.06024	0.003493	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-15	0.05073	0.0443	2	No	15	0.04751	0.004744	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-17	0.05635	0.04167	2	No	15	0.04901	0.01083	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-19	0.02541	0.02177	2	No	15	0.02359	0.002686	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-2	0.02268	0.02132	2	No	15	0.022	0.001	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-20	0.01537	0.009179	2	No	15	0.01227	0.004566	6.667	None	No	0.01	Param.
Barium (mg/L)	DGWC-21	0.0272	0.024	2	No	15	0.02596	0.001505	0	None	No	0.01	NP (normality)
Barium (mg/L)	DGWC-22	0.03773	0.03193	2	No	15	0.03483	0.004281	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-23	0.0236	0.01844	2	No	15	0.02113	0.004092	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	DGWC-4	0.03617	0.0322	2	No	14	0.03419	0.002802	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-42	0.0205	0.01622	2	No	15	0.01836	0.003153	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-47	0.01975	0.01597	2	No	15	0.01786	0.002794	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-48	0.01436	0.01298	2	No	15	0.01367	0.001016	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-5	0.01834	0.01649	2	No	13	0.01742	0.001247	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-8	0.03806	0.02666	2	No	14	0.03236	0.008048	0	None	No	0.01	Param.
Barium (mg/L)	DGWC-9	0.01623	0.01484	2	No	15	0.01553	0.00103	0	None	No	0.01	Param.
Beryllium (mg/L)	B-100	0.0006113	0.0002587	0.004	No	4	0.000435	0.00007767	0	None	No	0.01	Param.
Beryllium (mg/L)	B-102D	0.001543	0.0009569	0.004	No	4	0.00125	0.0001291	0	None	No	0.01	Param.
Beryllium (mg/L)	B-104D	0.001785	0.0009153	0.004	No	4	0.00135	0.0001915	0	None	No	0.01	Param.
Beryllium (mg/L)	B-56	0.001385	0.001015	0.004	No	4	0.0012	0.00008165	0	None	No	0.01	Param.
Beryllium (mg/L)	B-62	0.0005	0.000078	0.004	No	8	0.0002085	0.000181	25	None	No	0.004	NP (normality)
Beryllium (mg/L)	B-63	0.0004803	0.0003037	0.004	No	6	0.00041	0.00007797	16.67	Kaplan-Meier	No	0.01	Param.
Beryllium (mg/L)	B-77	0.0001464	0.00004658	0.004	No	6	0.0002267	0.0002142	33.33	Kaplan-Meier	ln(x)	0.01	Param.
Beryllium (mg/L)	B-82	0.001807	0.001073	0.004	No	5	0.00144	0.0002191	0	None	No	0.01	Param.
Beryllium (mg/L)	B-83	0.0006999	0.0001718	0.004	No	5	0.000404	0.000173	0	None	sqrt(x)	0.01	Param.
Beryllium (mg/L)	B-88	0.005	0.00063	0.004	No	4	0.002008	0.00202	0	None	No	0.0625	NP (selected)
Beryllium (mg/L)	B-93	0.01805	0.006467	0.004	Yes	5	0.01378	0.003942	0	None	x^3	0.01	Param.
Beryllium (mg/L)	B-97	0.0019	0.0015	0.004	No	4	0.001725	0.0002062	25	None	No	0.0625	NP (selected)
Beryllium (mg/L)	B-98	0.00087	0.0005	0.004	No	4	0.0005925	0.000185	75	None	No	0.0625	NP (NDs)
Beryllium (mg/L)	DGWC-10	0.009208	0.005678	0.004	Yes	14	0.007443	0.002492	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-11	0.003	0.00013	0.004	No	14	0.0004964	0.0007432	50	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-12	0.00049	0.00011	0.004	No	16	0.0003943	0.0007051	12.5	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-13	0.003	0.00007	0.004	No	14	0.0005256	0.000742	64.29	None	No	0.01	NP (NDs)
Beryllium (mg/L)	DGWC-15	0.003	0.00022	0.004	No	15	0.0006185	0.0006715	86.67	None	No	0.01	NP (NDs)
Beryllium (mg/L)	DGWC-17	0.0006188	0.0005265	0.004	No	15	0.0005727	0.00006808	13.33	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-19	0.0021	0.0017	0.004	No	15	0.001907	0.0004978	13.33	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-20	0.004866	0.002215	0.004	No	15	0.003673	0.002056	13.33	None	sqrt(x)	0.01	Param.
Beryllium (mg/L)	DGWC-21	0.0005	0.0001	0.004	No	15	0.000374	0.0007325	13.33	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-22	0.0005	0.00014	0.004	No	15	0.000376	0.0007316	13.33	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-23	0.0005	0.00038	0.004	No	15	0.000618	0.0006665	13.33	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-4	0.00028	0.00019	0.004	No	14	0.0004279	0.0007463	14.29	None	No	0.01	NP (normality)
Beryllium (mg/L)	DGWC-42	0.002738	0.002049	0.004	No	15	0.002333	0.0006576	6.667	None	x^2	0.01	Param.
Beryllium (mg/L)	DGWC-47	0.01281	0.009018	0.004	Yes	15	0.01091	0.002797	0	None	No	0.01	Param.

State Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Beryllium (mg/L)	DGWC-48	0.009234	0.007526	0.004	Yes	15	0.00838	0.00126	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-5	0.008688	0.006197	0.004	Yes	14	0.007443	0.001758	0	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-8	0.003201	0.001685	0.004	No	14	0.002443	0.00107	7.143	None	No	0.01	Param.
Beryllium (mg/L)	DGWC-9	0.005896	0.004931	0.004	Yes	15	0.005413	0.000712	0	None	No	0.01	Param.
Cadmium (mg/L)	B-100	0.00059	0.00027	0.005	No	4	0.000355	0.000157	0	None	No	0.0625	NP (normality)
Cadmium (mg/L)	B-102D	0.0009243	0.0006021	0.005	No	4	0.0007775	0.00007274	0	None	x^2	0.01	Param.
Cadmium (mg/L)	B-56	0.0003178	0.0002172	0.005	No	4	0.0002675	0.00002217	0	None	No	0.01	Param.
Cadmium (mg/L)	B-63	0.0003199	0.00007013	0.005	No	4	0.0003475	0.0001817	50	Kaplan-Meier	No	0.01	Param.
Cadmium (mg/L)	B-82	0.0007939	0.0002981	0.005	No	5	0.000546	0.0001479	0	None	No	0.01	Param.
Cadmium (mg/L)	B-83	0.0004307	0.0002333	0.005	No	5	0.000332	0.00005891	0	None	No	0.01	Param.
Cadmium (mg/L)	B-88	0.008758	-0.003848	0.005	No	4	0.002455	0.002776	0	None	No	0.01	Param.
Cadmium (mg/L)	B-93	0.0009316	0.0006384	0.005	No	4	0.000785	0.00006455	0	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-10	0.001207	0.0008102	0.005	No	14	0.001009	0.0002801	0	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-11	0.0005	0.00016	0.005	No	14	0.0004221	0.0001549	78.57	None	No	0.01	NP (NDs)
Cadmium (mg/L)	DGWC-12	0.0003426	0.0002257	0.005	No	16	0.0003944	0.0001917	25	Kaplan-Meier	sqrt(x)	0.01	Param.
Cadmium (mg/L)	DGWC-13	0.0005	0.0002	0.005	No	14	0.0004486	0.0001328	85.71	Kaplan-Meier	No	0.01	NP (NDs)
Cadmium (mg/L)	DGWC-15	0.001	0.00012	0.005	No	15	0.0004287	0.0002377	73.33	Kaplan-Meier	No	0.01	NP (NDs)
Cadmium (mg/L)	DGWC-17	0.00033	0.00023	0.005	No	15	0.0002987	0.00009062	13.33	None	No	0.01	NP (normality)
Cadmium (mg/L)	DGWC-19	0.0005	0.00034	0.005	No	15	0.0004207	0.0001665	13.33	None	No	0.01	NP (normality)
Cadmium (mg/L)	DGWC-2	0.0002846	0.0001314	0.005	No	15	0.0003667	0.0002335	33.33	Kaplan-Meier	sqrt(x)	0.01	Param.
Cadmium (mg/L)	DGWC-20	0.002238	0.001722	0.005	No	15	0.00198	0.0003802	0	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-21	0.0007418	0.0004675	0.005	No	15	0.0006047	0.0002024	13.33	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-22	0.0007017	0.0004543	0.005	No	15	0.000578	0.0001826	13.33	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-23	0.0003	0.00019	0.005	No	15	0.0002967	0.0002115	13.33	None	No	0.01	NP (normality)
Cadmium (mg/L)	DGWC-4	0.0008282	0.0006103	0.005	No	14	0.0007193	0.0001538	14.29	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-42	0.001109	0.0004679	0.005	No	15	0.0008233	0.0005572	13.33	None	sqrt(x)	0.01	Param.
Cadmium (mg/L)	DGWC-47	0.002181	0.001246	0.005	No	15	0.001713	0.0006896	0	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-48	0.0042	0.0025	0.005	No	15	0.003527	0.001682	0	None	No	0.01	NP (normality)
Cadmium (mg/L)	DGWC-5	0.0008175	0.0004382	0.005	No	14	0.0006279	0.0002677	14.29	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-8	0.002516	0.00197	0.005	No	14	0.002243	0.0003857	0	None	No	0.01	Param.
Cadmium (mg/L)	DGWC-9	0.0006732	0.0005032	0.005	No	15	0.0005927	0.0001373	13.33	None	x^(1/3)	0.01	Param.
Chromium (mg/L)	B-100	0.001223	0.0003828	0.1	No	4	0.002877	0.002456	50	Kaplan-Meier	sqrt(x)	0.01	Param.
Chromium (mg/L)	B-104D	0.005	0.0011	0.1	No	4	0.004025	0.00195	75	Kaplan-Meier	No	0.0625	NP (NDs)
Chromium (mg/L)	B-56	0.001914	0.00007551	0.1	No	4	0.002997	0.002336	50	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	B-62	0.005	0.00098	0.1	No	7	0.004426	0.001519	85.71	Kaplan-Meier	No	0.008	NP (NDs)
Chromium (mg/L)	B-63	0.005	0.00064	0.1	No	4	0.00391	0.00218	75	Kaplan-Meier	No	0.0625	NP (NDs)
Chromium (mg/L)	B-77	0.001858	0.0005328	0.1	No	6	0.00241	0.002072	33.33	Kaplan-Meier	ln(x)	0.01	Param.
Chromium (mg/L)	B-82	0.005	0.0011	0.1	No	5	0.00422	0.001744	80	Kaplan-Meier	No	0.031	NP (NDs)
Chromium (mg/L)	B-83	0.0051	0.0017	0.1	No	5	0.00394	0.001524	0	None	No	0.031	NP (selected)
Chromium (mg/L)	B-88	0.002116	0.0005176	0.1	No	4	0.002237	0.001875	25	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	B-93	0.005	0.00057	0.1	No	4	0.002807	0.002532	50	None	No	0.0625	NP (normality)
Chromium (mg/L)	DGWC-10	0.005	0.00078	0.1	No	14	0.002321	0.002074	35.71	None	No	0.01	NP (normality)
Chromium (mg/L)	DGWC-11	0.005	0.0006	0.1	No	14	0.003742	0.002064	71.43	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-12	0.005	0.00099	0.1	No	16	0.004496	0.001378	87.5	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-13	0.005	0.00074	0.1	No	14	0.003778	0.002006	71.43	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-15	0.01	0.00058	0.1	No	15	0.004423	0.002397	73.33	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-17	0.0035	0.0024	0.1	No	15	0.003047	0.0008651	13.33	None	No	0.01	NP (normality)
Chromium (mg/L)	DGWC-19	0.005	0.0023	0.1	No	15	0.00342	0.002022	20	None	No	0.01	NP (normality)
Chromium (mg/L)	DGWC-2	0.005	0.0005	0.1	No	15	0.003211	0.002268	60	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-20	0.002136	0.001443	0.1	No	15	0.003467	0.002385	40	Kaplan-Meier	ln(x)	0.01	Param.
Chromium (mg/L)	DGWC-21	0.005	0.0005	0.1	No	15	0.00333	0.002148	60	Kaplan-Meier	No	0.01	NP (NDs)

State Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	DGWC-22	0.005	0.0012	0.1	No	15	0.004747	0.0009812	93.33	Kaplan-Meier	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-23	0.005	0.0005	0.1	No	15	0.002187	0.002075	33.33	None	No	0.01	NP (normality)
Chromium (mg/L)	DGWC-4	0.005	0.0005	0.1	No	14	0.004679	0.001203	92.86	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-42	0.005	0.0005	0.1	No	15	0.003082	0.002157	53.33	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-47	0.005	0.0007	0.1	No	15	0.004713	0.00111	93.33	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-48	0.005	0.0007	0.1	No	15	0.004407	0.001567	86.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-5	0.005	0.00045	0.1	No	14	0.004675	0.001216	92.86	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-8	0.005	0.00086	0.1	No	14	0.003391	0.002002	57.14	None	No	0.01	NP (NDs)
Chromium (mg/L)	DGWC-9	0.0057	0.00059	0.1	No	15	0.003593	0.002173	60	None	No	0.01	NP (NDs)
Cobalt (mg/L)	B-100	0.087	0.029	0.032	No	6	0.058	0.02804	0	None	No	0.0155	NP (selected)
Cobalt (mg/L)	B-102D	0.01585	0.01215	0.032	No	4	0.014	0.0008165	0	None	No	0.01	Param.
Cobalt (mg/L)	B-104D	0.2361	-0.01451	0.032	No	4	0.1625	0.04272	0	None	x^2	0.01	Param.
Cobalt (mg/L)	B-111D	0.0009228	0.0004439	0.032	No	4	0.00112	0.0009256	25	Kaplan-Meier	x^(1/3)	0.01	Param.
Cobalt (mg/L)	B-56	0.05421	0.03629	0.032	Yes	4	0.04525	0.003948	0	None	No	0.01	Param.
Cobalt (mg/L)	B-62	0.0025	0.0003	0.032	No	7	0.001873	0.001071	71.43	None	No	0.008	NP (NDs)
Cobalt (mg/L)	B-63	0.0547	0.0353	0.032	Yes	5	0.045	0.005788	0	None	No	0.01	Param.
Cobalt (mg/L)	B-66	0.01241	0.003754	0.032	No	5	0.00758	0.003665	20	Kaplan-Meier	No	0.01	Param.
Cobalt (mg/L)	B-77	0.0031	0.0004	0.032	No	6	0.001817	0.0009725	16.67	None	No	0.0155	NP (selected)
Cobalt (mg/L)	B-82	0.007804	0.0003291	0.032	No	6	0.004067	0.002721	0	None	No	0.01	Param.
Cobalt (mg/L)	B-83	0.021	0.0073	0.032	No	5	0.01344	0.005791	0	None	No	0.031	NP (selected)
Cobalt (mg/L)	B-88	0.022	0.0015	0.032	No	5	0.00928	0.009906	0	None	No	0.031	NP (selected)
Cobalt (mg/L)	B-93	0.069	0.0594	0.032	Yes	5	0.0642	0.002864	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-10	0.1888	0.1413	0.032	Yes	14	0.1537	0.04866	0	None	x^4	0.01	Param.
Cobalt (mg/L)	DGWC-11	0.0025	0.0006	0.032	No	14	0.001481	0.0009221	42.86	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-12	0.013	0.0021	0.032	No	16	0.008125	0.009711	12.5	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-13	0.0025	0.0005	0.032	No	14	0.002056	0.0008832	78.57	None	No	0.01	NP (NDs)
Cobalt (mg/L)	DGWC-15	0.0028	0.0016	0.032	No	15	0.003653	0.005947	6.667	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-17	0.02716	0.02022	0.032	No	15	0.02313	0.00641	6.667	None	x^2	0.01	Param.
Cobalt (mg/L)	DGWC-19	0.05331	0.04925	0.032	Yes	15	0.05128	0.002996	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-2	0.0284	0.0062	0.032	No	15	0.01761	0.01155	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-20	0.6394	0.4659	0.032	Yes	15	0.5575	0.1355	0	None	x^(1/3)	0.01	Param.
Cobalt (mg/L)	DGWC-21	0.009773	0.008552	0.032	No	15	0.00862	0.002141	13.33	None	x^6	0.01	Param.
Cobalt (mg/L)	DGWC-22	0.009945	0.007492	0.032	No	15	0.008533	0.002244	13.33	None	x^2	0.01	Param.
Cobalt (mg/L)	DGWC-23	0.005	0.00039	0.032	No	15	0.00183	0.001357	60	None	No	0.01	NP (NDs)
Cobalt (mg/L)	DGWC-4	0.0021	0.0015	0.032	No	14	0.002021	0.000904	14.29	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-42	0.04451	0.01723	0.032	No	15	0.03087	0.02013	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-47	0.3858	0.253	0.032	Yes	15	0.3194	0.09792	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-48	0.5073	0.402	0.032	Yes	15	0.4547	0.07771	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-5	0.04	0.02	0.032	No	14	0.02794	0.01109	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	DGWC-8	0.0878	0.04412	0.032	Yes	14	0.06596	0.03083	0	None	No	0.01	Param.
Cobalt (mg/L)	DGWC-9	0.201	0.1437	0.032	Yes	15	0.1724	0.04231	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-100	1.4	0.168	5.61	No	4	0.7853	0.5031	0	None	No	0.0625	NP (selected)
Combined Radium 226 + 228 (pCi/L)	B-102D	1.74	0.635	5.61	No	4	1.096	0.4956	0	None	No	0.0625	NP (selected)
Combined Radium 226 + 228 (pCi/L)	B-104D	21.26	6.892	5.61	Yes	4	14.08	3.164	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-111D	16.31	1.377	5.61	No	4	8.843	3.288	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-56	1.617	0.5846	5.61	No	4	1.101	0.2275	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-62	2.02	1.173	5.61	No	6	1.597	0.3082	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-77	2.17	0.617	5.61	No	5	1.516	0.7658	0	None	No	0.031	NP (selected)
Combined Radium 226 + 228 (pCi/L)	B-82	1.18	0.3541	5.61	No	4	0.7673	0.182	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	B-83	1.15	0.0359	5.61	No	5	0.674	0.4409	0	None	No	0.031	NP (selected)
Combined Radium 226 + 228 (pCi/L)	B-88	2.84	0.771	5.61	No	4	1.752	1.056	0	None	No	0.0625	NP (selected)

State Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:30 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-93	2.371	0.3074	5.61	No 4	1.339	0.4544	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-10	1.497	1.071	5.61	No 15	1.284	0.314	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-11	1.272	0.6667	5.61	No 15	0.9694	0.4467	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-12	1.27	0.4013	5.61	No 15	0.8984	0.714	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-13	1.484	1.036	5.61	No 15	1.26	0.3303	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-14	1.103	0.6919	5.61	No 15	0.8972	0.303	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-15	1.553	0.551	5.61	No 15	1.118	0.8748	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-17	1.05	0.5723	5.61	No 15	0.8113	0.3526	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-19	1.04	0.5062	5.61	No 15	0.7733	0.3942	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-2	1.444	0.8924	5.61	No 15	1.168	0.4067	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-20	1.543	0.8767	5.61	No 15	1.21	0.4913	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-21	1.125	0.5866	5.61	No 15	0.8557	0.3972	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-22	1.364	0.733	5.61	No 15	1.049	0.4659	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-23	1.489	0.7765	5.61	No 15	1.133	0.5259	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-4	1.721	1.187	5.61	No 15	1.454	0.3939	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-42	1.169	0.7309	5.61	No 15	0.9499	0.3231	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-47	2.903	1.785	5.61	No 15	2.344	0.8249	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-48	2.415	1.602	5.61	No 15	2.03	0.6435	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-5	1.839	1.024	5.61	No 15	1.431	0.6015	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-8	0.841	0.4794	5.61	No 15	0.6602	0.2668	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	DGWC-9	1.439	0.9531	5.61	No 15	1.196	0.3583	0	None	No	0.01	Param.
Fluoride, total (mg/L)	B-102D	0.11	0.077	4	No 4	0.08725	0.01537	0	None	No	0.0625	NP (normality)
Fluoride, total (mg/L)	B-104D	0.5774	0.2326	4	No 4	0.405	0.07594	0	None	No	0.01	Param.
Fluoride, total (mg/L)	B-111D	0.7199	0.1451	4	No 4	0.4325	0.1266	0	None	No	0.01	Param.
Fluoride, total (mg/L)	B-56	0.34	0.098	4	No 4	0.207	0.09985	0	None	No	0.0625	NP (selected)
Fluoride, total (mg/L)	B-62	0.3546	0.06003	4	No 6	0.1855	0.1295	0	None	x^(1/3)	0.01	Param.
Fluoride, total (mg/L)	B-77	0.1	0.078	4	No 5	0.0948	0.00955	60	None	No	0.031	NP (NDs)
Fluoride, total (mg/L)	B-82	0.2	0.052	4	No 4	0.113	0.06226	50	None	No	0.0625	NP (selected)
Fluoride, total (mg/L)	B-83	0.1232	0.02857	4	No 5	0.0834	0.0317	20	Kaplan-Meier	No	0.01	Param.
Fluoride, total (mg/L)	B-93	0.3685	0.2815	4	No 4	0.325	0.01915	0	None	No	0.01	Param.
Fluoride, total (mg/L)	DGWC-10	1.862	1.347	4	No 16	1.604	0.3955	0	None	No	0.01	Param.
Fluoride, total (mg/L)	DGWC-11	0.1	0.052	4	No 15	0.0804	0.0261	60	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-12	0.1641	0.05529	4	No 16	0.1588	0.1448	37.5	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride, total (mg/L)	DGWC-13	0.2134	0.08589	4	No 15	0.157	0.1093	6.667	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	DGWC-14	0.1	0.052	4	No 16	0.08588	0.02643	68.75	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-15	0.11	0.079	4	No 16	0.1054	0.04361	62.5	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-17	0.2722	0.09774	4	No 16	0.2039	0.1552	12.5	None	x^(1/3)	0.01	Param.
Fluoride, total (mg/L)	DGWC-19	0.5135	0.1749	4	No 16	0.3713	0.313	6.25	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	DGWC-2	0.28	0.052	4	No 16	0.1429	0.1586	37.5	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	DGWC-20	0.9494	0.4006	4	No 16	0.675	0.4218	6.25	None	No	0.01	Param.
Fluoride, total (mg/L)	DGWC-21	0.14	0.07	4	No 16	0.107	0.06664	62.5	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-22	0.13	0.09	4	No 16	0.1185	0.06532	50	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	DGWC-23	0.2262	0.09243	4	No 16	0.1852	0.1558	6.25	None	ln(x)	0.01	Param.
Fluoride, total (mg/L)	DGWC-4	0.17	0.082	4	No 16	0.1364	0.1776	68.75	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-42	0.1	0.06	4	No 16	0.0925	0.02176	87.5	None	No	0.01	NP (NDs)
Fluoride, total (mg/L)	DGWC-47	1.146	0.5167	4	No 16	0.8313	0.4835	0	None	No	0.01	Param.
Fluoride, total (mg/L)	DGWC-48	1.19	0.6114	4	No 16	0.9006	0.4445	0	None	No	0.01	Param.
Fluoride, total (mg/L)	DGWC-5	0.7808	0.2378	4	No 15	0.5667	0.4567	6.667	None	x^(1/3)	0.01	Param.
Fluoride, total (mg/L)	DGWC-8	0.4095	0.1193	4	No 15	0.2868	0.2338	13.33	None	sqrt(x)	0.01	Param.
Fluoride, total (mg/L)	DGWC-9	1.391	0.9657	4	No 16	1.178	0.3265	0	None	No	0.01	Param.
Lead (mg/L)	B-100	0.0003036	0.00005528	0.001	No 4	0.0003695	0.0004235	25	Kaplan-Meier	sqrt(x)	0.01	Param.

State Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lead (mg/L)	B-102D	0.001	0.000037	0.001	No	4	0.0002865	0.0004758	25	None	No	0.0625	NP (normality)
Lead (mg/L)	B-104D	0.001	0.000051	0.001	No	4	0.0007628	0.0004745	75	None	No	0.0625	NP (NDs)
Lead (mg/L)	B-111D	0.001	0.000051	0.001	No	4	0.0005273	0.0005459	50	None	No	0.0625	NP (normality)
Lead (mg/L)	B-56	0.0002854	0.00003627	0.001	No	4	0.0003528	0.0004355	25	Kaplan-Meier	sqrt(x)	0.01	Param.
Lead (mg/L)	B-63	0.001	0.000047	0.001	No	4	0.00053	0.0005428	50	None	No	0.0625	NP (normality)
Lead (mg/L)	B-77	0.0016	0.00021	0.001	No	6	0.0007367	0.000554	33.33	None	No	0.0155	NP (selected)
Lead (mg/L)	B-82	0.0001911	0.00004858	0.001	No	5	0.0004658	0.000489	40	Kaplan-Meier	x^(1/3)	0.01	Param.
Lead (mg/L)	B-83	0.001	0.000065	0.001	No	5	0.000455	0.0004634	20	None	No	0.031	NP (selected)
Lead (mg/L)	B-88	0.02767	0.00004865	0.001	No	4	0.00354	0.005647	25	Kaplan-Meier	ln(x)	0.01	Param.
Lead (mg/L)	B-93	0.001	0.00012	0.001	No	4	0.00056	0.0005081	50	None	No	0.0625	NP (normality)
Lead (mg/L)	DGWC-10	0.001	0.00011	0.001	No	14	0.0006273	0.0004481	57.14	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-11	0.001	0.0001	0.001	No	14	0.0006785	0.0004481	64.29	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-12	0.001	0.00011	0.001	No	16	0.0008881	0.0003057	87.5	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-13	0.001	0.0002	0.001	No	14	0.0008784	0.0003097	85.71	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-14	0.001	0.000096	0.001	No	15	0.0008149	0.0003834	80	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-15	0.0012	0.0001	0.001	No	15	0.0007161	0.0004487	60	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-17	0.001	0.00009	0.001	No	15	0.0005862	0.0004585	53.33	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-19	0.001	0.00007	0.001	No	15	0.0007059	0.0004334	66.67	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-2	0.001	0.000086	0.001	No	15	0.0005156	0.0004693	46.67	None	No	0.01	NP (normality)
Lead (mg/L)	DGWC-20	0.001	0.00015	0.001	No	15	0.0007311	0.0003691	60	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-21	0.001	0.00014	0.001	No	15	0.0006177	0.0004296	53.33	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-23	0.001	0.000066	0.001	No	15	0.0009377	0.0002412	93.33	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-4	0.001	0.00012	0.001	No	14	0.0007478	0.0004149	71.43	None	No	0.01	NP (NDs)
Lead (mg/L)	DGWC-42	0.0004678	0.0001549	0.001	No	15	0.0008147	0.001228	20	Kaplan-Meier	ln(x)	0.01	Param.
Lead (mg/L)	DGWC-47	0.0011	0.00053	0.001	No	15	0.001081	0.001106	26.67	None	No	0.01	NP (normality)
Lead (mg/L)	DGWC-48	0.0022	0.00095	0.001	No	15	0.001664	0.001169	13.33	None	No	0.01	NP (normality)
Lead (mg/L)	DGWC-5	0.001	0.000051	0.001	No	14	0.0005984	0.0006777	35.71	None	No	0.01	NP (normality)
Lead (mg/L)	DGWC-8	0.001	0.00011	0.001	No	14	0.0006273	0.0004132	50	None	No	0.01	NP (normality)
Lead (mg/L)	DGWC-9	0.001	0.00028	0.001	No	15	0.00084	0.0003323	80	None	No	0.01	NP (NDs)
Lithium (mg/L)	B-100	0.003519	0.0007815	0.03	No	4	0.00215	0.0006028	0	None	No	0.01	Param.
Lithium (mg/L)	B-102D	0.01666	0.009844	0.03	No	4	0.01325	0.0015	0	None	No	0.01	Param.
Lithium (mg/L)	B-104D	0.04121	0.03479	0.03	Yes	4	0.038	0.001414	0	None	No	0.01	Param.
Lithium (mg/L)	B-111D	0.029	0.021	0.03	No	4	0.02475	0.004349	0	None	No	0.0625	NP (selected)
Lithium (mg/L)	B-56	0.005968	0.004632	0.03	No	4	0.0053	0.0002944	0	None	No	0.01	Param.
Lithium (mg/L)	B-62	0.015	0.0078	0.03	No	7	0.0094	0.002532	14.29	None	No	0.008	NP (normality)
Lithium (mg/L)	B-63	0.015	0.0062	0.03	No	5	0.00812	0.003849	20	None	No	0.031	NP (normality)
Lithium (mg/L)	B-77	0.015	0.00095	0.03	No	6	0.004525	0.005339	16.67	None	No	0.0155	NP (selected)
Lithium (mg/L)	B-82	0.0039	0.001	0.03	No	5	0.00222	0.001422	0	None	No	0.031	NP (selected)
Lithium (mg/L)	B-83	0.004551	0.0009685	0.03	No	5	0.00276	0.001069	0	None	No	0.01	Param.
Lithium (mg/L)	B-88	0.029	0.0016	0.03	No	4	0.009575	0.01311	0	None	No	0.0625	NP (selected)
Lithium (mg/L)	B-93	0.012	0.011	0.03	No	4	0.01125	0.0005	0	None	No	0.0625	NP (normality)
Lithium (mg/L)	DGWC-10	0.006793	0.002702	0.03	No	14	0.005343	0.004279	14.29	None	ln(x)	0.01	Param.
Lithium (mg/L)	DGWC-11	0.0028	0.0019	0.03	No	14	0.003186	0.003418	7.143	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-12	0.015	0.0011	0.03	No	16	0.01064	0.006685	68.75	None	No	0.01	NP (NDs)
Lithium (mg/L)	DGWC-13	0.0036	0.0029	0.03	No	14	0.004879	0.004297	14.29	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-14	0.0044	0.0032	0.03	No	15	0.00472	0.003078	6.667	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-15	0.0066	0.0058	0.03	No	14	0.00625	0.0008465	0	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-17	0.015	0.00096	0.03	No	15	0.009434	0.007057	60	None	No	0.01	NP (NDs)
Lithium (mg/L)	DGWC-19	0.0035	0.003	0.03	No	15	0.003993	0.003053	6.667	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-2	0.085	0.023	0.03	No	15	0.04906	0.03031	6.667	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-20	0.012	0.0021	0.03	No	15	0.006407	0.005611	6.667	None	No	0.01	NP (normality)

State Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lithium (mg/L)	DGWC-21	0.0065	0.0057	0.03	No	15	0.00656	0.00236	6.667	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-22	0.0046	0.0037	0.03	No	15	0.00484	0.002836	6.667	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-23	0.01279	0.003816	0.03	No	15	0.01165	0.01832	6.667	None	ln(x)	0.01	Param.
Lithium (mg/L)	DGWC-4	0.0035	0.0025	0.03	No	14	0.003786	0.003256	7.143	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-42	0.01268	0.01007	0.03	No	15	0.01137	0.001928	6.667	None	No	0.01	Param.
Lithium (mg/L)	DGWC-47	0.07457	0.05787	0.03	Yes	15	0.06622	0.01232	0	None	No	0.01	Param.
Lithium (mg/L)	DGWC-48	0.1269	0.106	0.03	Yes	15	0.1165	0.01544	0	None	No	0.01	Param.
Lithium (mg/L)	DGWC-5	0.008199	0.004206	0.03	No	14	0.006343	0.003062	7.143	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	DGWC-8	0.0072	0.0045	0.03	No	14	0.006036	0.002823	7.143	None	No	0.01	NP (normality)
Lithium (mg/L)	DGWC-9	0.02931	0.02328	0.03	No	15	0.02629	0.004445	6.667	None	No	0.01	Param.
Mercury (mg/L)	B-104D	0.0002	0.000079	0.002	No	4	0.0001697	0.0000605	75	None	No	0.0625	NP (NDs)
Mercury (mg/L)	B-111D	0.0002	0.000094	0.002	No	4	0.0001735	0.000053	75	None	No	0.0625	NP (NDs)
Mercury (mg/L)	B-56	0.0002	0.00016	0.002	No	4	0.00019	0.00002	75	None	No	0.0625	NP (NDs)
Mercury (mg/L)	B-82	0.0002	0.00011	0.002	No	5	0.000182	0.00004025	80	None	No	0.031	NP (NDs)
Mercury (mg/L)	B-88	0.0002	0.0001	0.002	No	4	0.0001525	0.000055	50	None	No	0.0625	NP (normality)
Mercury (mg/L)	B-93	0.00036	0.00001396	0.002	No	4	0.000187	0.00007622	0	None	No	0.01	Param.
Mercury (mg/L)	DGWC-10	0.0002	0.000081	0.002	No	14	0.0001658	0.00005628	71.43	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-11	0.0002	0.00008	0.002	No	14	0.0001707	0.0000585	78.57	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-12	0.0002	0.00008	0.002	No	16	0.0001541	0.00006456	62.5	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-13	0.0002	0.00009	0.002	No	14	0.0001829	0.00004375	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-14	0.0002	0.00008	0.002	No	15	0.0001727	0.00005688	80	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-15	0.0002	0.00006	0.002	No	15	0.0001907	0.00003615	93.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-17	0.0002	0.00006	0.002	No	15	0.0001404	0.00006361	46.67	None	No	0.01	NP (normality)
Mercury (mg/L)	DGWC-19	0.0002	0.00009	0.002	No	15	0.000172	0.00005882	80	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-2	0.00064	0.000083	0.002	No	15	0.0002049	0.0001304	73.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-20	0.0002	0.00009	0.002	No	15	0.0001767	0.00004835	80	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-21	0.0002	0.00006	0.002	No	15	0.000158	0.00006327	66.67	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-22	0.0002	0.0001	0.002	No	15	0.0001677	0.00005729	73.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-23	0.0002053	0.0001241	0.002	No	15	0.0001853	0.0000573	26.67	Kaplan-Meier	No	0.01	Param.
Mercury (mg/L)	DGWC-4	0.00059	0.00013	0.002	No	14	0.0002059	0.0001192	71.43	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-42	0.0002	0.00004	0.002	No	15	0.0001893	0.00004131	93.33	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-48	0.0002	0.00006	0.002	No	15	0.0001907	0.00003615	93.33	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-5	0.0002402	0.0001202	0.002	No	14	0.0001924	0.0001175	14.29	None	ln(x)	0.01	Param.
Mercury (mg/L)	DGWC-8	0.0002	0.000079	0.002	No	14	0.0001494	0.00006312	57.14	None	No	0.01	NP (NDs)
Mercury (mg/L)	DGWC-9	0.00021	0.00013	0.002	No	15	0.0001881	0.00008736	46.67	None	No	0.01	NP (normality)
Molybdenum (mg/L)	B-104D	0.01	0.0012	0.041	No	4	0.0078	0.0044	75	None	No	0.0625	NP (NDs)
Molybdenum (mg/L)	B-111D	0.01817	0.002799	0.041	No	4	0.00765	0.003615	0	None	ln(x)	0.01	Param.
Molybdenum (mg/L)	B-66	0.01	0.0015	0.041	No	4	0.005825	0.004822	50	None	No	0.0625	NP (normality)
Molybdenum (mg/L)	B-88	0.01	0.0012	0.041	No	4	0.0056	0.005081	50	None	No	0.0625	NP (normality)
Molybdenum (mg/L)	DGWC-13	0.0262	0.01302	0.041	No	14	0.01961	0.009301	0	None	No	0.01	Param.
Molybdenum (mg/L)	DGWC-2	0.01	0.0018	0.041	No	15	0.005093	0.004167	40	None	No	0.01	NP (normality)
Molybdenum (mg/L)	DGWC-23	0.01117	0.00682	0.041	No	15	0.008993	0.003208	0	None	No	0.01	Param.
Molybdenum (mg/L)	DGWC-4	0.007258	0.004757	0.041	No	14	0.006007	0.001765	7.143	None	No	0.01	Param.
Selenium (mg/L)	B-100	0.005	0.0019	0.05	No	4	0.004225	0.00155	75	None	No	0.0625	NP (NDs)
Selenium (mg/L)	B-104D	0.004053	0.0006472	0.05	No	4	0.003675	0.001648	50	Kaplan-Meier	No	0.01	Param.
Selenium (mg/L)	B-111D	0.005	0.0022	0.05	No	4	0.0043	0.0014	75	None	No	0.0625	NP (NDs)
Selenium (mg/L)	B-56	0.029	0.011	0.05	No	4	0.016	0.008718	0	None	No	0.0625	NP (normality)
Selenium (mg/L)	B-77	0.005	0.0017	0.05	No	6	0.00445	0.001347	83.33	None	No	0.0155	NP (NDs)
Selenium (mg/L)	B-82	0.005	0.0016	0.05	No	5	0.00374	0.001734	60	None	No	0.031	NP (NDs)
Selenium (mg/L)	B-83	0.02981	0.006668	0.05	No	5	0.01824	0.006906	0	None	No	0.01	Param.
Selenium (mg/L)	B-88	0.004472	0.0007278	0.05	No	4	0.0026	0.0008246	0	None	No	0.01	Param.

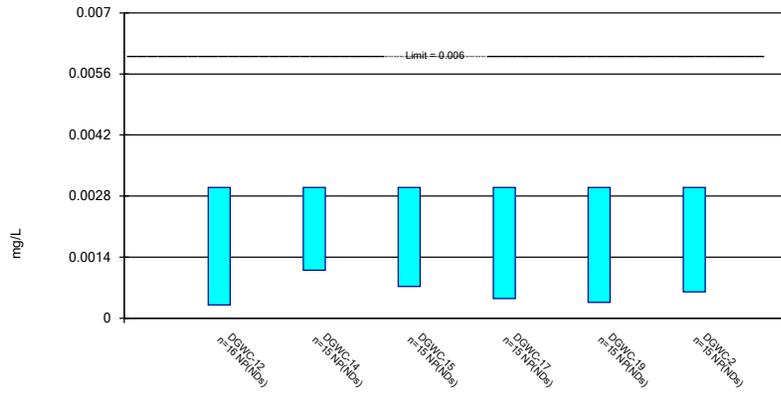
State Confidence Intervals - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Selenium (mg/L)	B-93	0.036	0.0076	0.05	No	4	0.01788	0.01288	0	None	No	0.0625	NP (selected)
Selenium (mg/L)	DGWC-10	0.05289	0.02215	0.05	No	14	0.03752	0.0217	0	None	No	0.01	Param.
Selenium (mg/L)	DGWC-12	0.005	0.0017	0.05	No	16	0.003931	0.002266	56.25	None	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-13	0.004442	0.0019	0.05	No	14	0.004307	0.00244	21.43	Kaplan-Meier	No	0.01	Param.
Selenium (mg/L)	DGWC-14	0.01	0.0017	0.05	No	15	0.004227	0.002257	66.67	Kaplan-Meier	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-15	0.01	0.0018	0.05	No	15	0.00512	0.001582	93.33	Kaplan-Meier	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-17	0.009189	0.006423	0.05	No	15	0.007953	0.002359	13.33	None	ln(x)	0.01	Param.
Selenium (mg/L)	DGWC-19	0.008946	0.005774	0.05	No	15	0.00736	0.00234	13.33	None	No	0.01	Param.
Selenium (mg/L)	DGWC-2	0.0053	0.0045	0.05	No	15	0.005193	0.001557	46.67	None	No	0.01	NP (normality)
Selenium (mg/L)	DGWC-20	0.06742	0.0338	0.05	No	15	0.05061	0.02481	0	None	No	0.01	Param.
Selenium (mg/L)	DGWC-22	0.005	0.0017	0.05	No	15	0.00478	0.0008521	93.33	None	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-4	0.005	0.0014	0.05	No	14	0.004743	0.0009621	92.86	None	No	0.01	NP (NDs)
Selenium (mg/L)	DGWC-47	0.01301	0.005259	0.05	No	15	0.009133	0.005718	13.33	None	No	0.01	Param.
Selenium (mg/L)	DGWC-48	0.008046	0.003594	0.05	No	15	0.00582	0.003285	13.33	None	No	0.01	Param.
Selenium (mg/L)	DGWC-5	0.0457	0.00964	0.05	No	14	0.03263	0.04214	7.143	None	x^(1/3)	0.01	Param.
Selenium (mg/L)	DGWC-8	0.00408	0.002153	0.05	No	14	0.004586	0.002144	50	Kaplan-Meier	sqrt(x)	0.01	Param.
Selenium (mg/L)	DGWC-9	0.1308	0.05207	0.05	Yes	15	0.09144	0.0581	0	None	No	0.01	Param.
Thallium (mg/L)	B-56	0.0003212	0.0001238	0.002	No	4	0.0002225	0.00004349	0	None	No	0.01	Param.
Thallium (mg/L)	B-82	0.001	0.000099	0.002	No	5	0.0006418	0.0004905	60	None	No	0.031	NP (NDs)
Thallium (mg/L)	B-83	0.001	0.000072	0.002	No	5	0.0008144	0.000415	80	None	No	0.031	NP (NDs)
Thallium (mg/L)	B-88	0.001	0.0002	0.002	No	4	0.0008	0.0004	75	None	No	0.0625	NP (NDs)
Thallium (mg/L)	DGWC-10	0.0006	0.00036	0.002	No	14	0.0004907	0.0002285	14.29	None	No	0.01	NP (normality)
Thallium (mg/L)	DGWC-12	0.001	0.00009	0.002	No	16	0.0006042	0.0004636	56.25	None	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-17	0.001	0.00017	0.002	No	15	0.000398	0.0003761	26.67	None	No	0.01	NP (normality)
Thallium (mg/L)	DGWC-19	0.00059	0.00049	0.002	No	15	0.000544	0.0001384	6.667	None	No	0.01	NP (normality)
Thallium (mg/L)	DGWC-20	0.000988	0.0005219	0.002	No	15	0.000942	0.0004995	26.67	Kaplan-Meier	ln(x)	0.01	Param.
Thallium (mg/L)	DGWC-22	0.001	0.000064	0.002	No	15	0.0006889	0.0004554	66.67	Kaplan-Meier	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-4	0.001	0.000073	0.002	No	14	0.0009338	0.0002478	92.86	None	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-42	0.001	0.00009	0.002	No	15	0.0007559	0.000419	73.33	None	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-47	0.00036	0.0002	0.002	No	15	0.0003513	0.0002684	13.33	None	No	0.01	NP (normality)
Thallium (mg/L)	DGWC-48	0.001	0.00008	0.002	No	15	0.0006937	0.0004484	66.67	None	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-5	0.001	0.0002	0.002	No	14	0.00081	0.0003787	78.57	None	No	0.01	NP (NDs)
Thallium (mg/L)	DGWC-8	0.001	0.00019	0.002	No	14	0.0003886	0.0003356	21.43	None	No	0.01	NP (normality)
Thallium (mg/L)	DGWC-9	0.001	0.00043	0.002	No	15	0.0007027	0.0002443	33.33	None	No	0.01	NP (normality)

Non-Parametric Confidence Interval

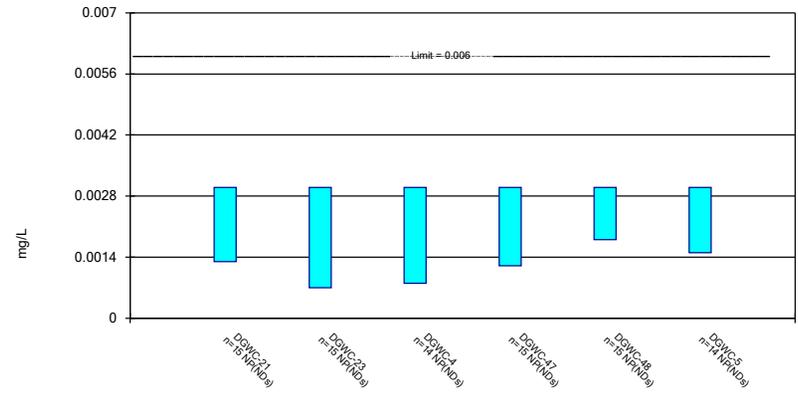
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Constituent: Antimony Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

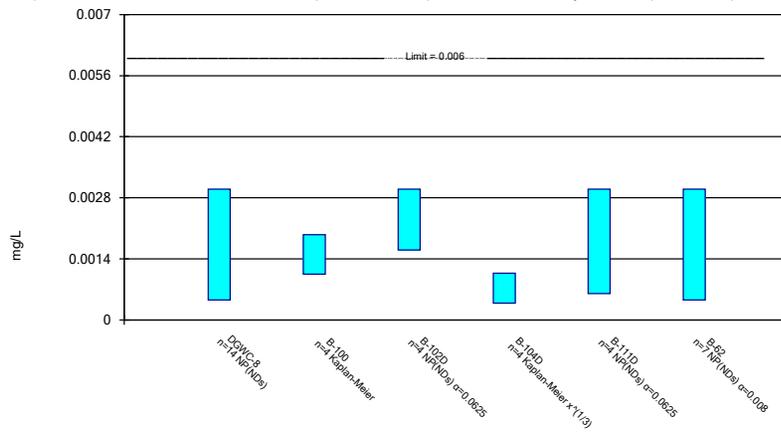
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Constituent: Antimony Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

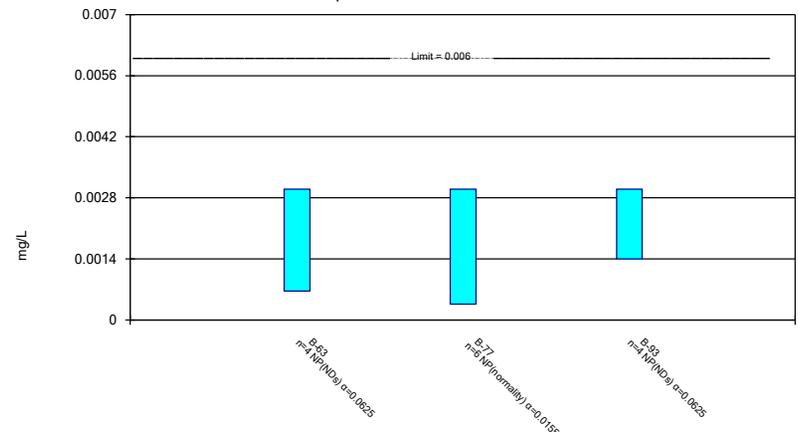
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Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

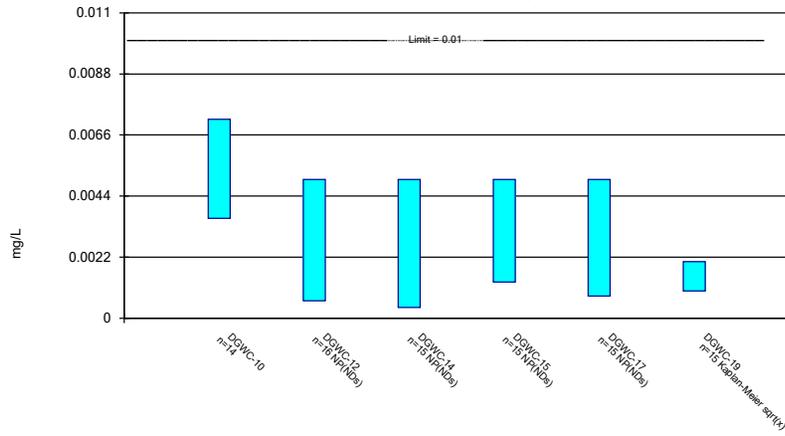
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Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

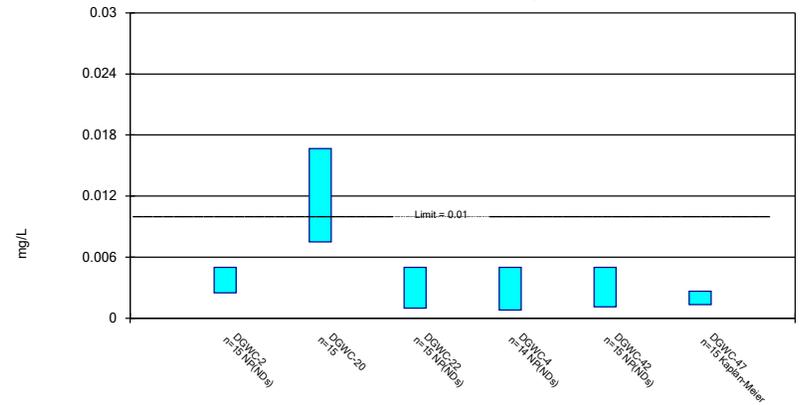
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Constituent: Arsenic Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

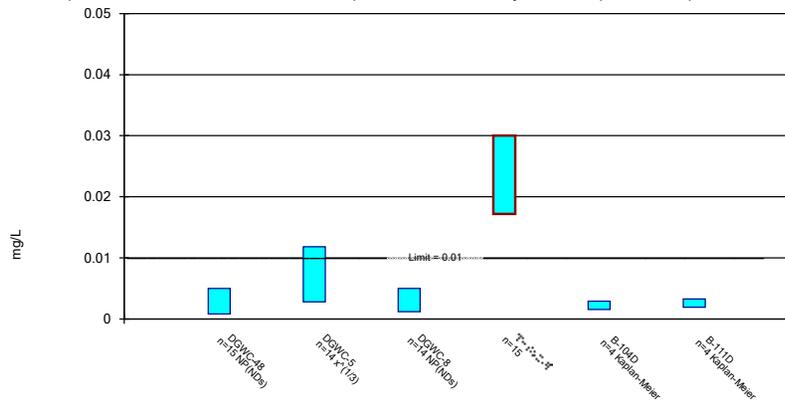
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Constituent: Arsenic Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

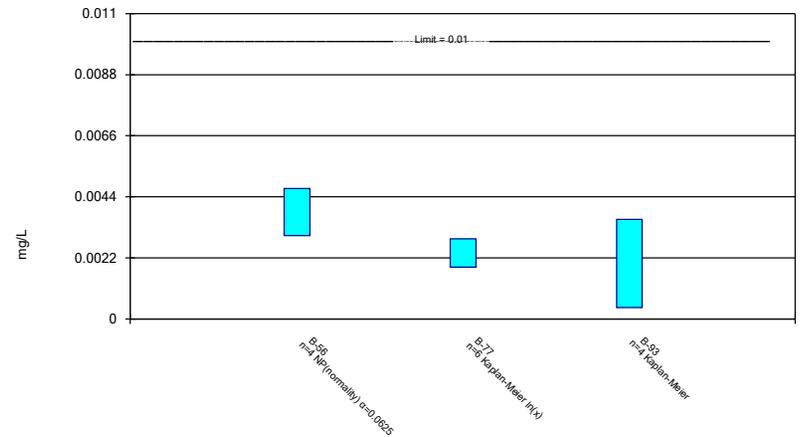
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Constituent: Arsenic Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

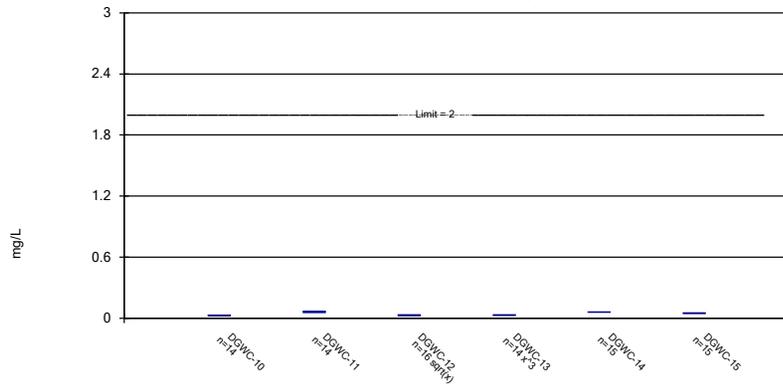
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

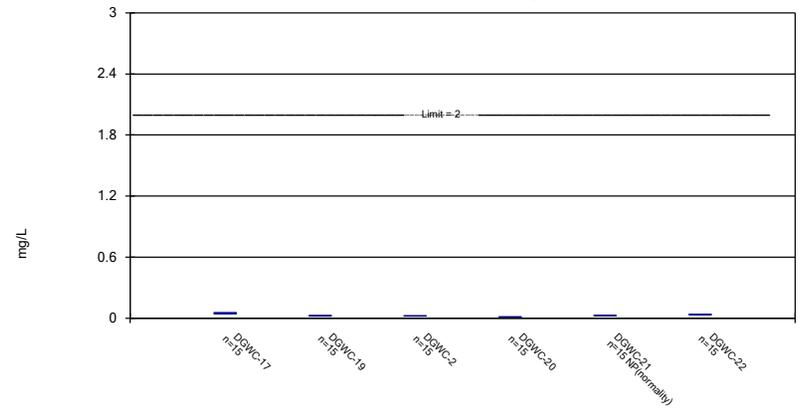
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Constituent: Barium Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

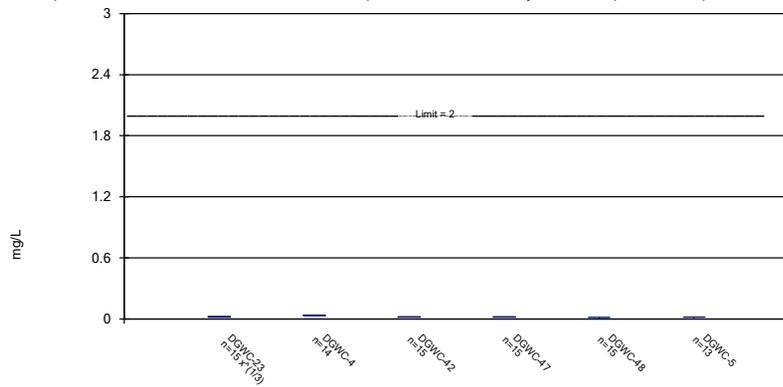
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Constituent: Barium Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

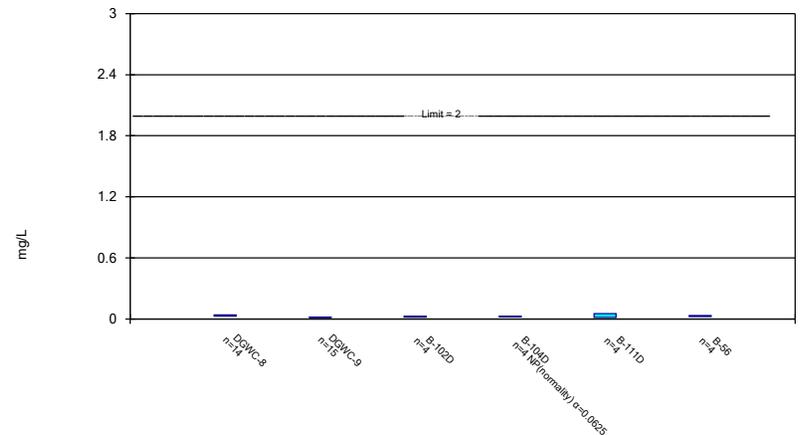
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Constituent: Barium Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

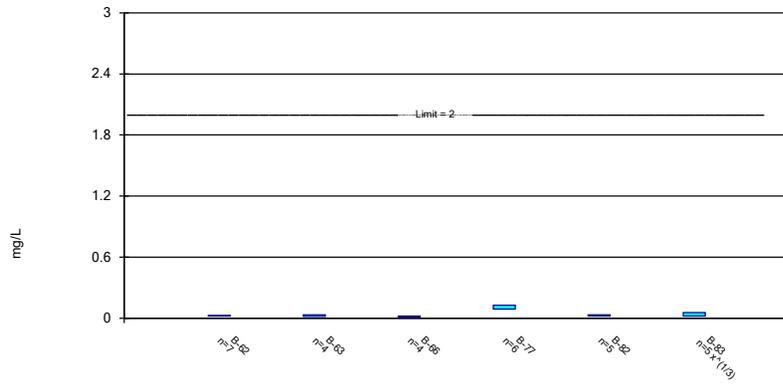
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Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

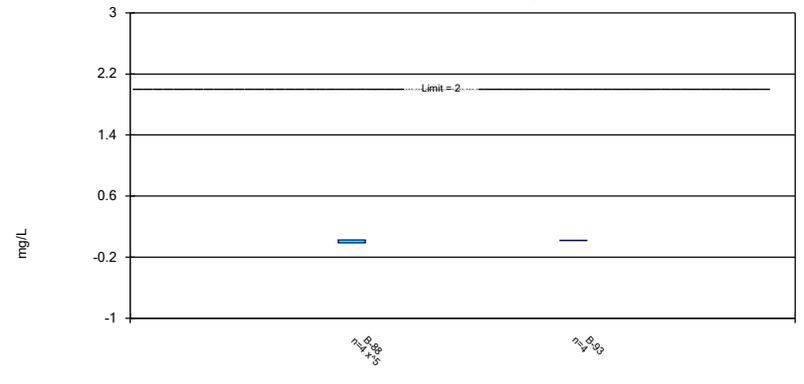
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Constituent: Barium Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

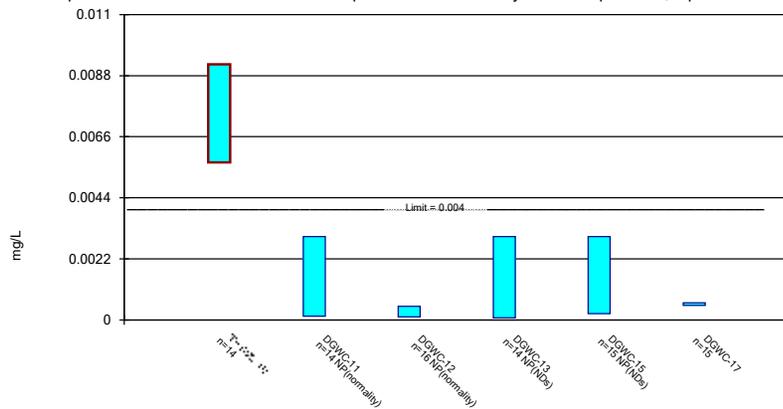
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

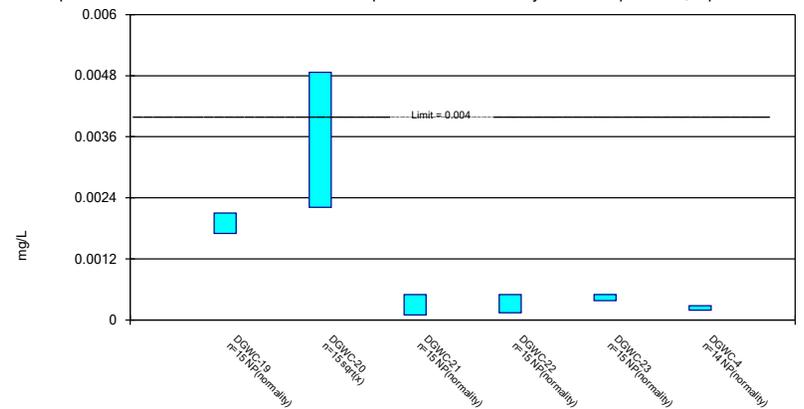
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Beryllium Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

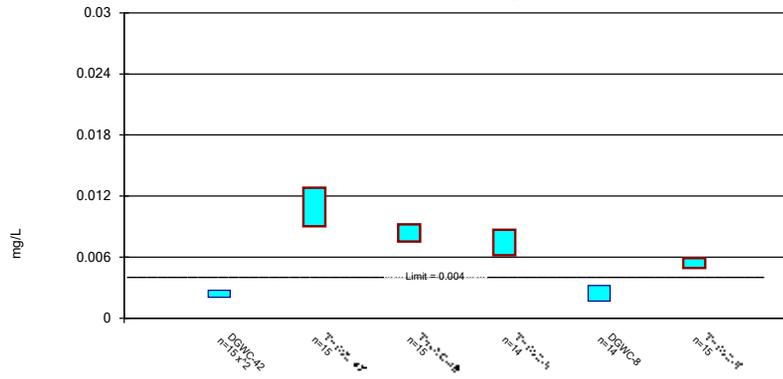
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Beryllium Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

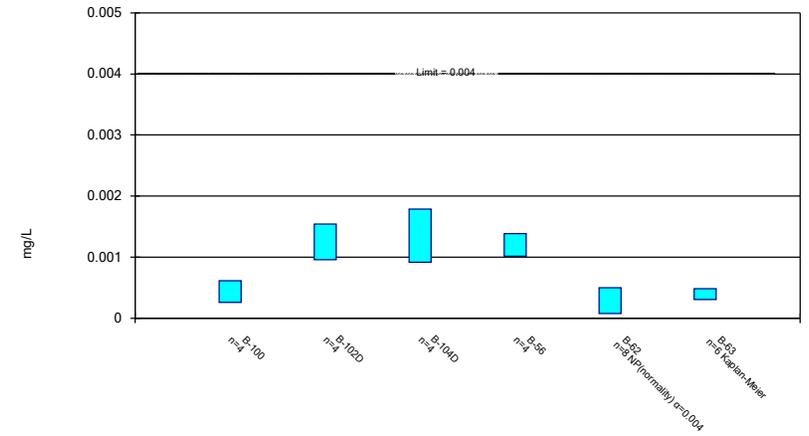
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Constituent: Beryllium Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

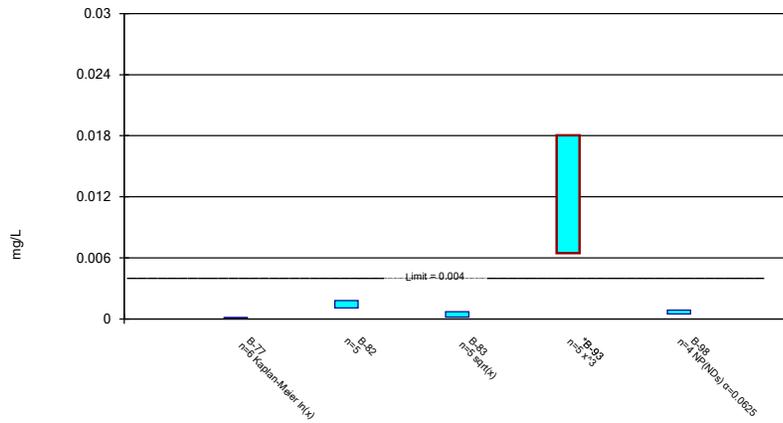
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Constituent: Beryllium Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

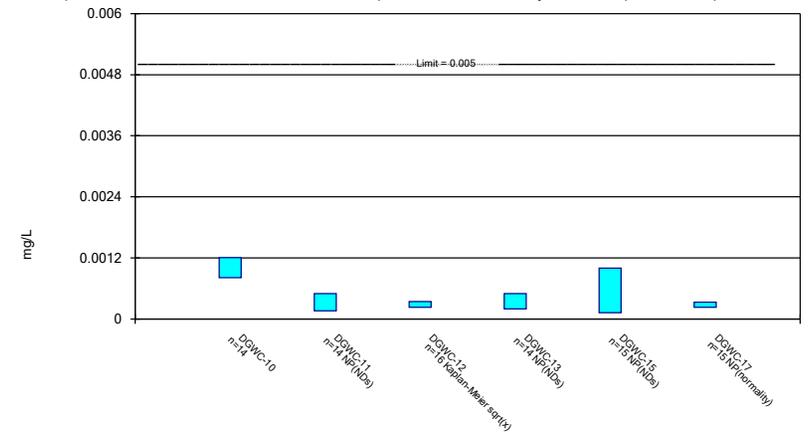
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Constituent: Beryllium Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

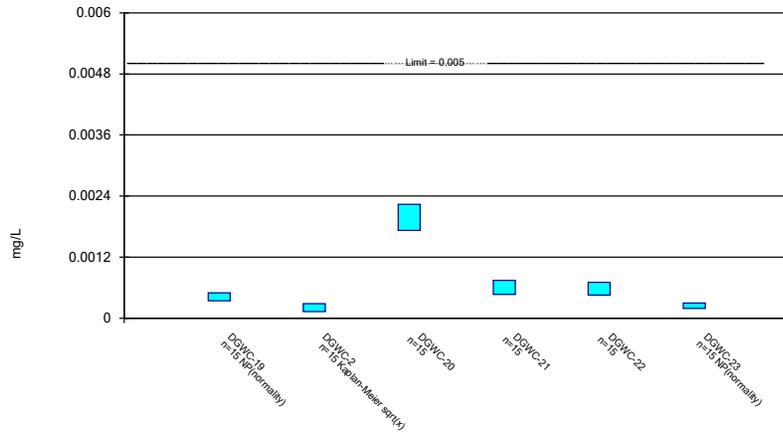
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cadmium Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

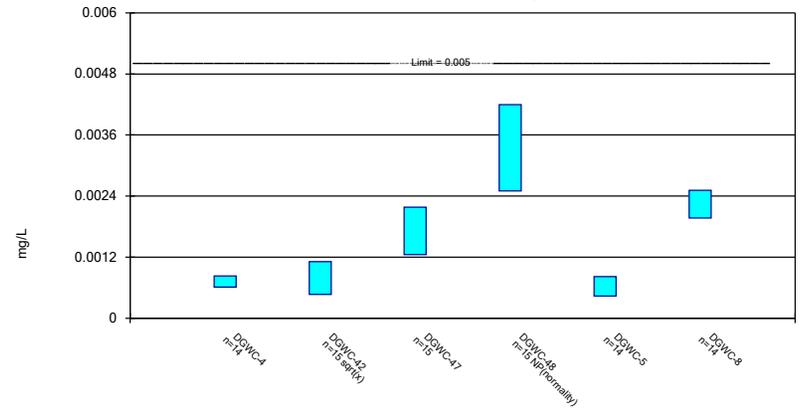
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cadmium Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

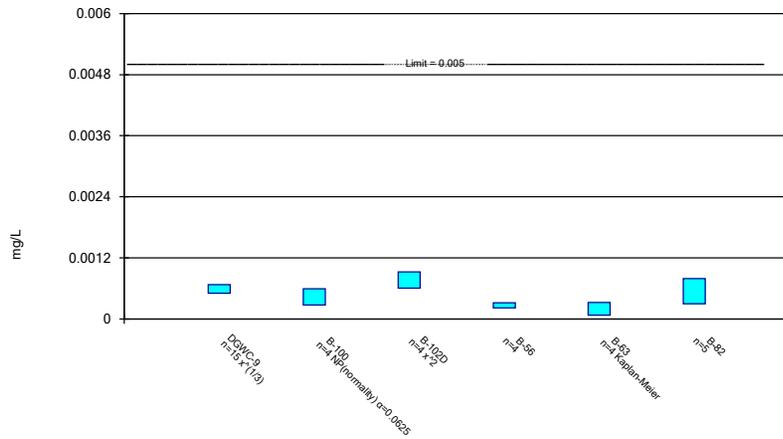
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Constituent: Cadmium Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

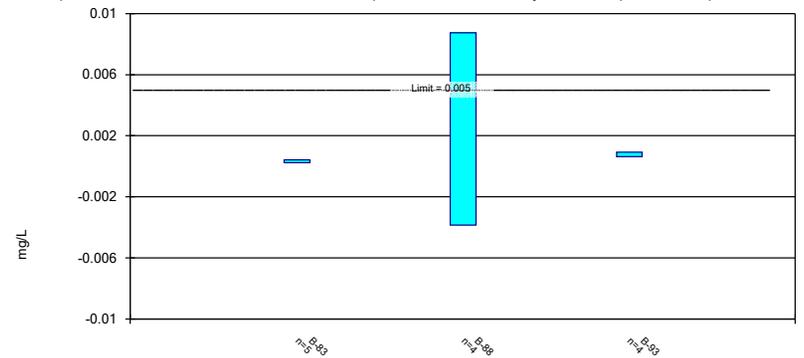
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Constituent: Cadmium Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

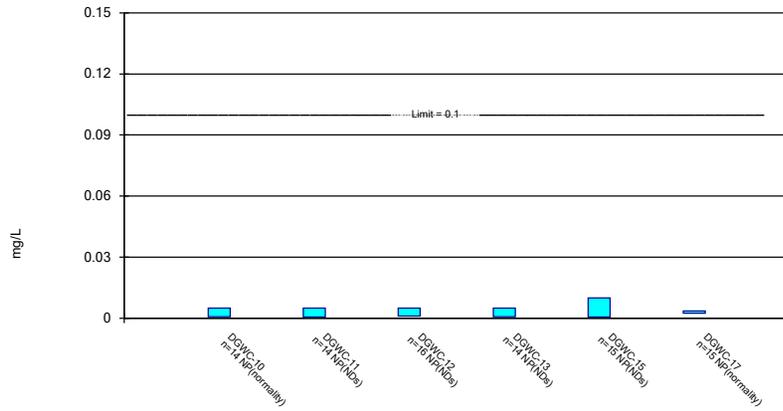
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Constituent: Cadmium Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

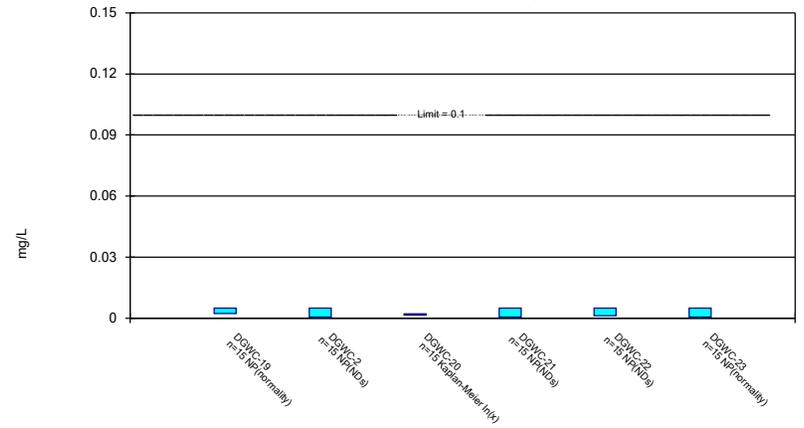
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Constituent: Chromium Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

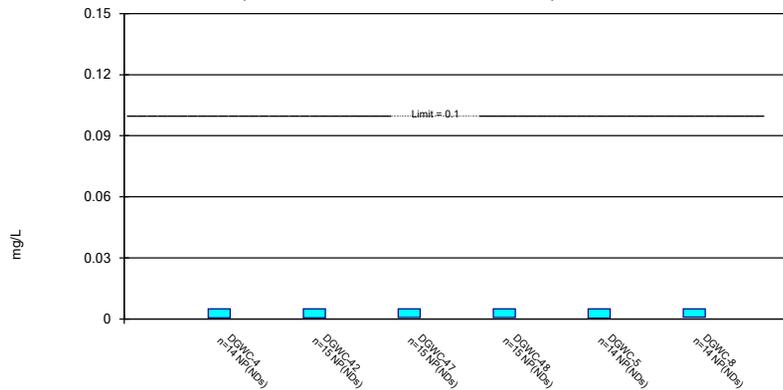
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Constituent: Chromium Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

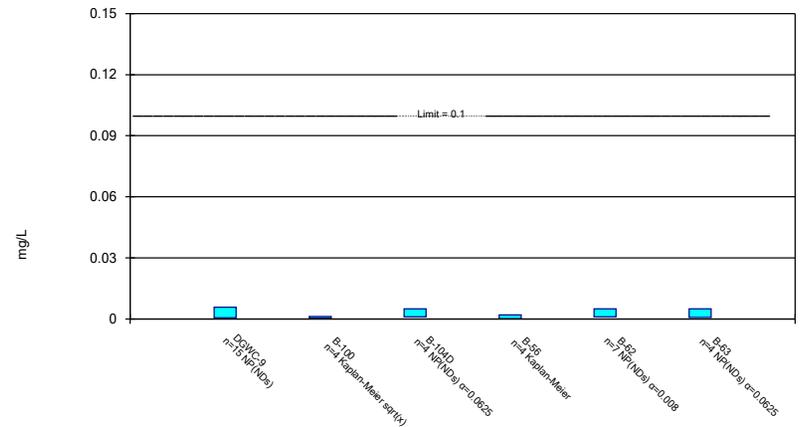
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Constituent: Chromium Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

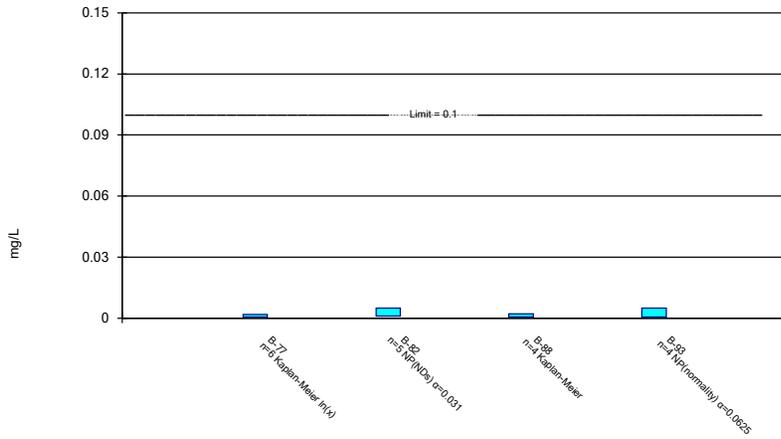
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Constituent: Chromium Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

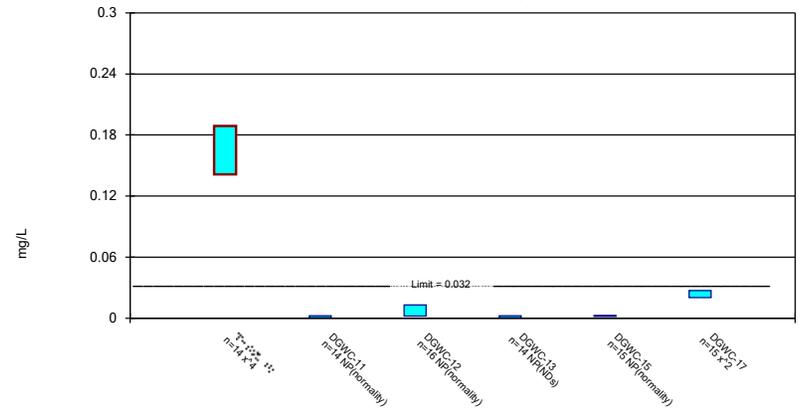
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Constituent: Chromium Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

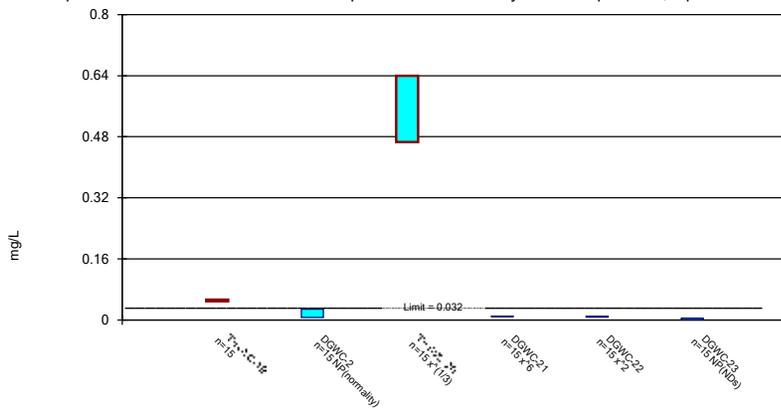
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

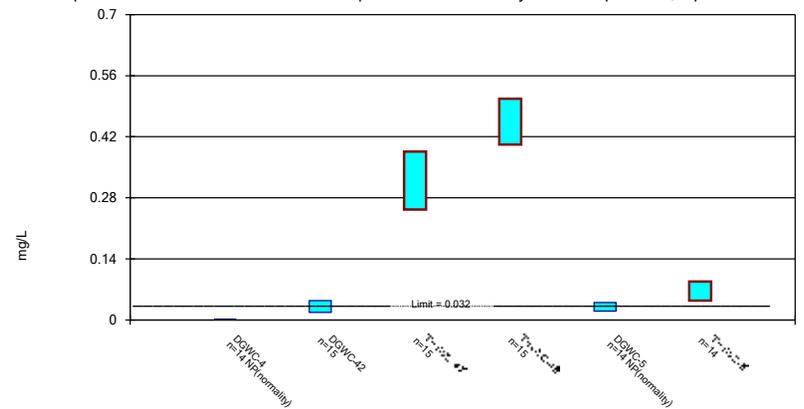
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Constituent: Cobalt Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

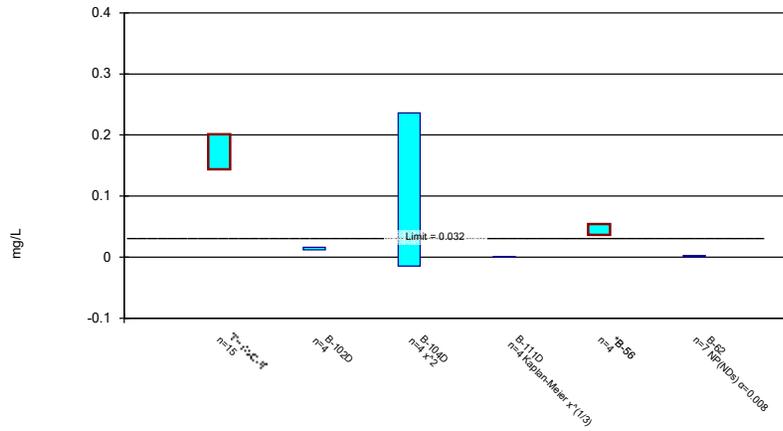
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Constituent: Cobalt Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

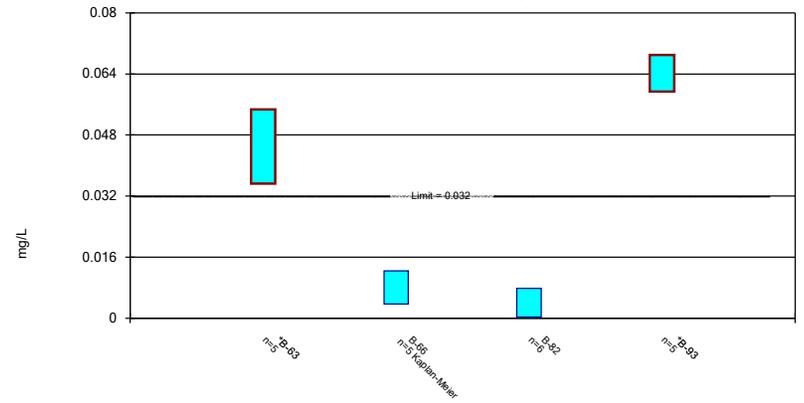
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Constituent: Cobalt Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

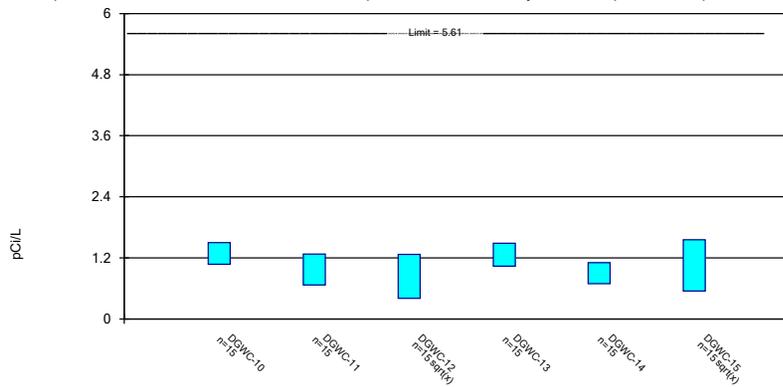
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Constituent: Cobalt Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

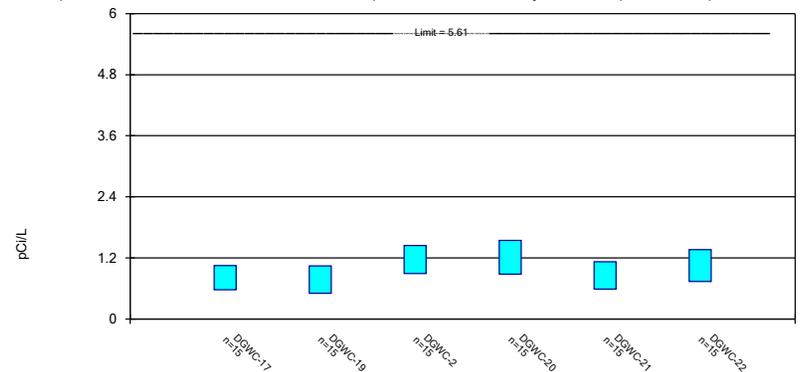
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

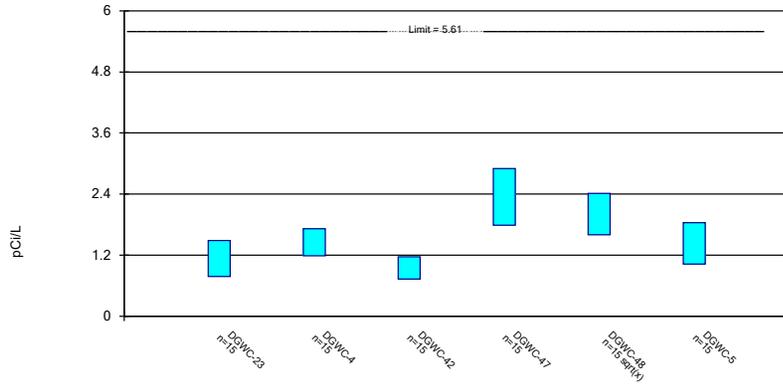
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 11/8/2021 2:21 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

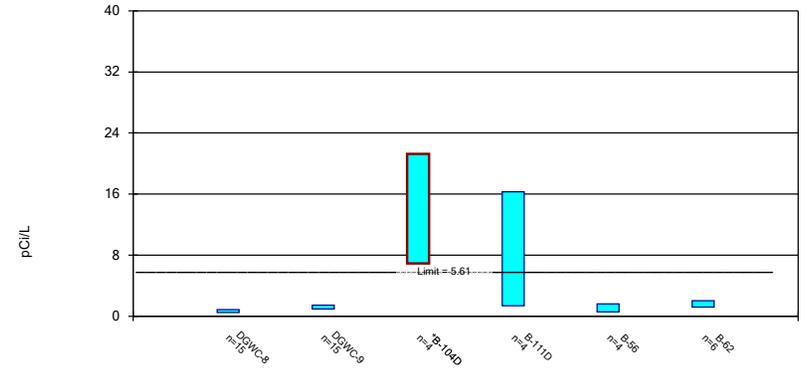
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Inte
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

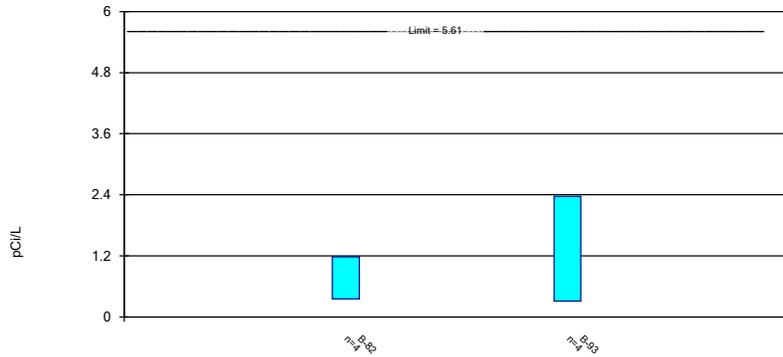
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Inte
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

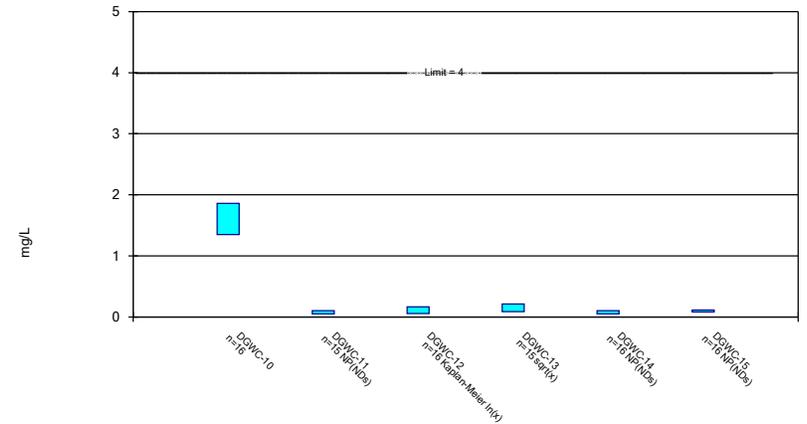
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Constituent: Combined Radium 226 + 228 Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Inte
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

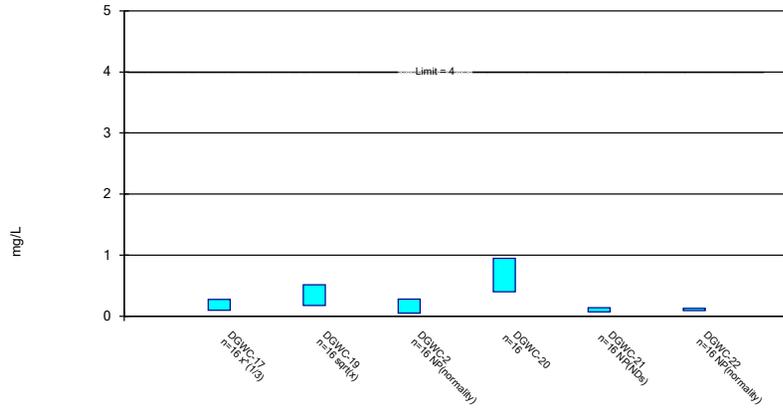
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride, total Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

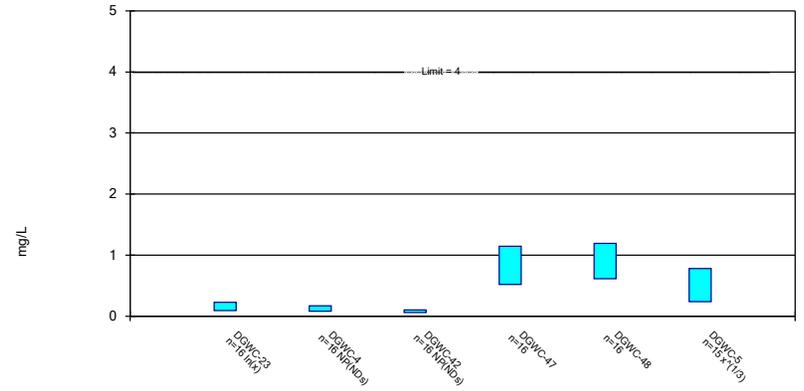
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride, total Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

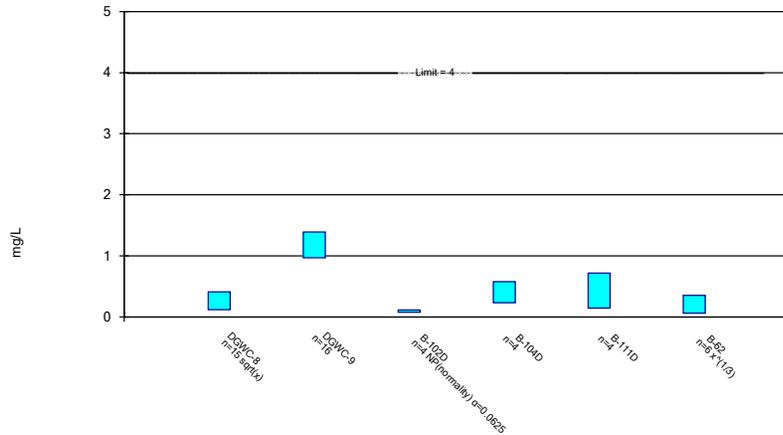
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride, total Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

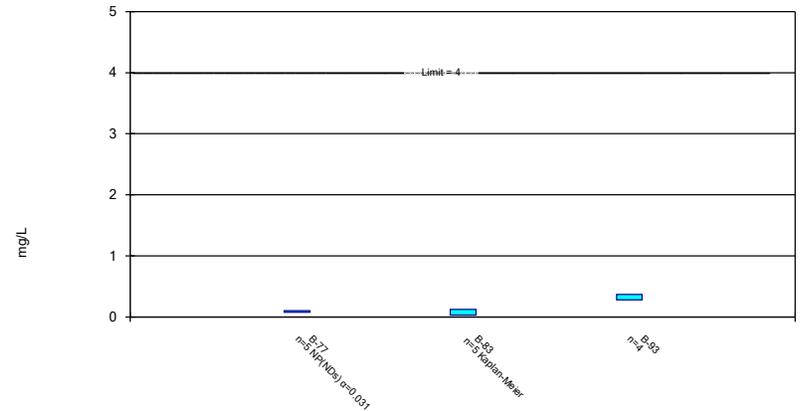
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Constituent: Fluoride, total Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

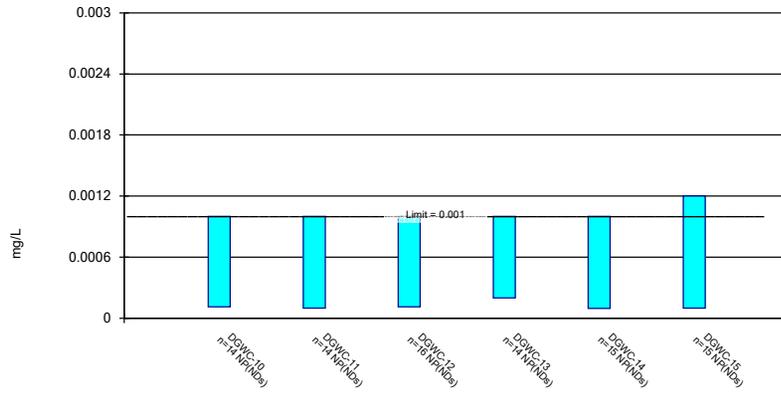
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Constituent: Fluoride, total Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

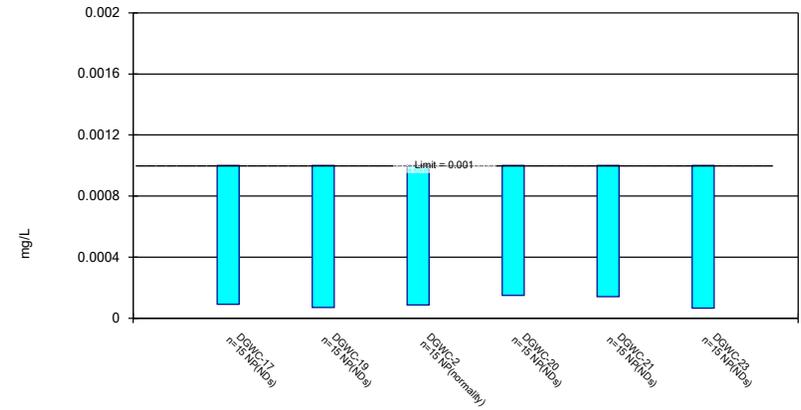
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Constituent: Lead Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

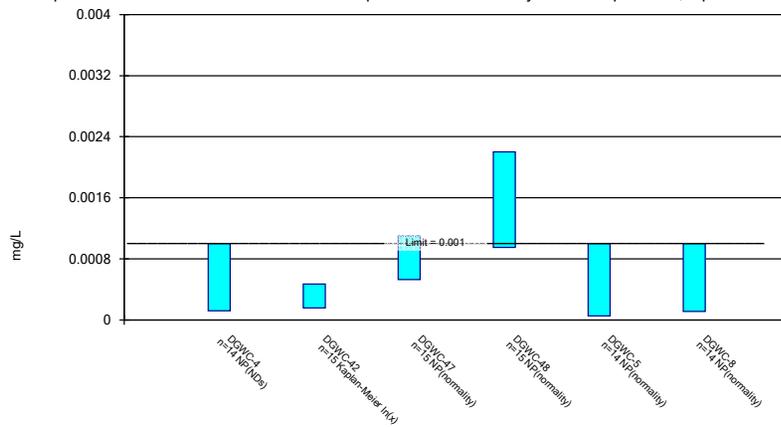
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lead Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

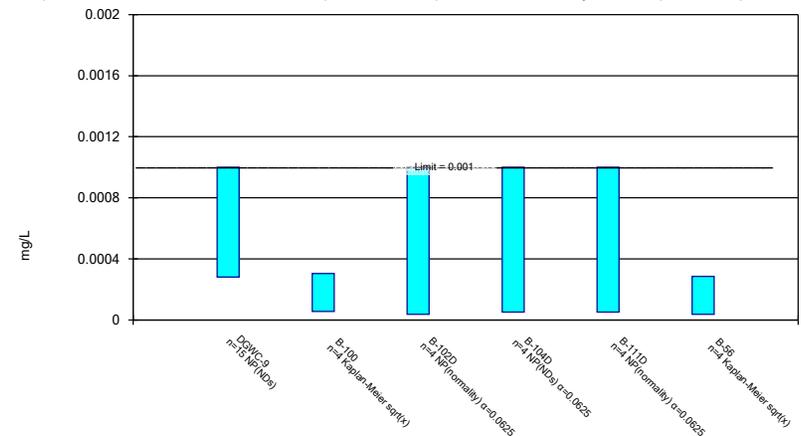
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lead Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

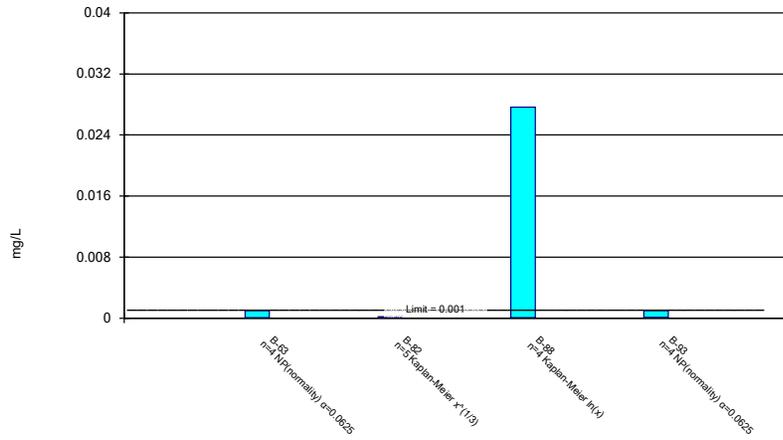
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lead Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

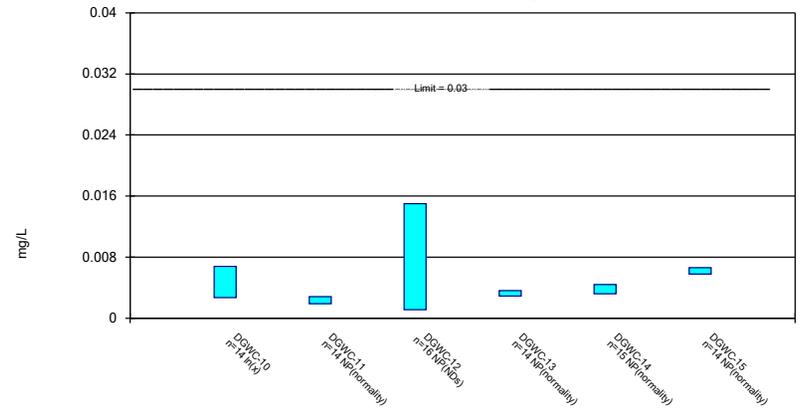
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lead Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

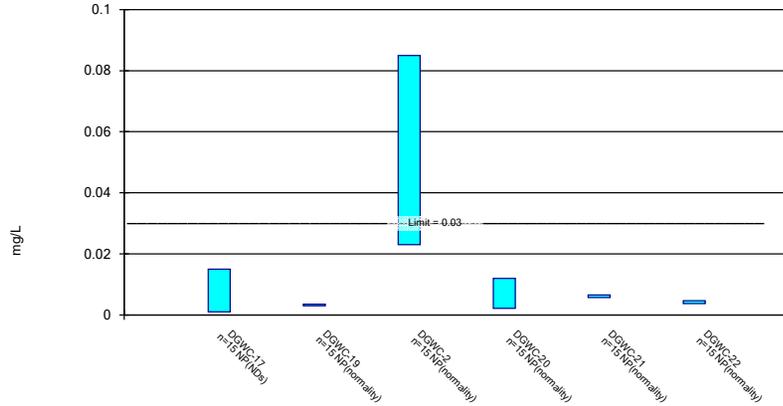
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

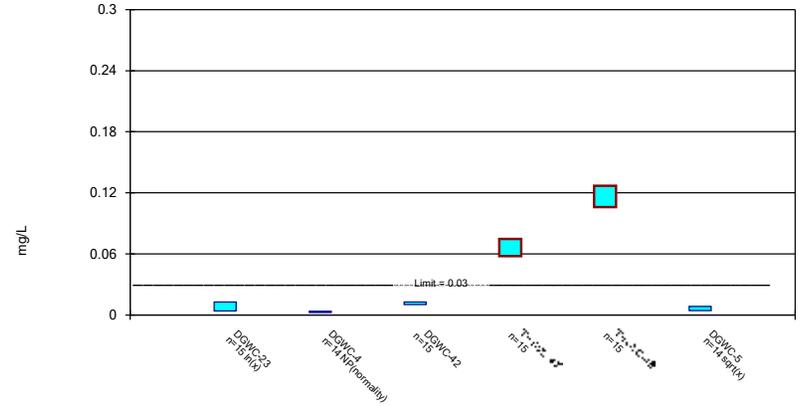
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lithium Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

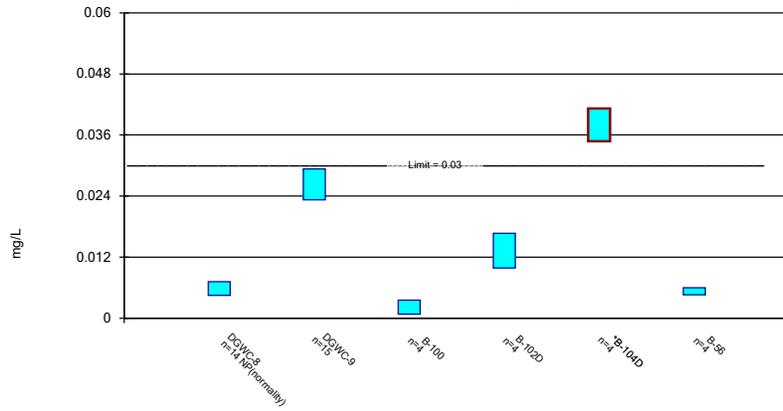
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

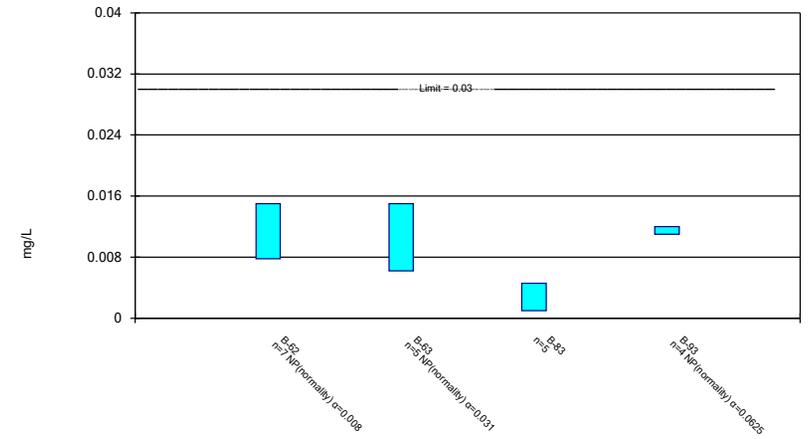
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

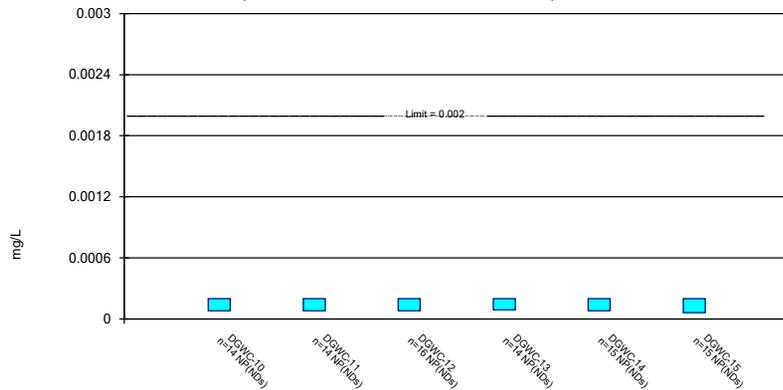
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

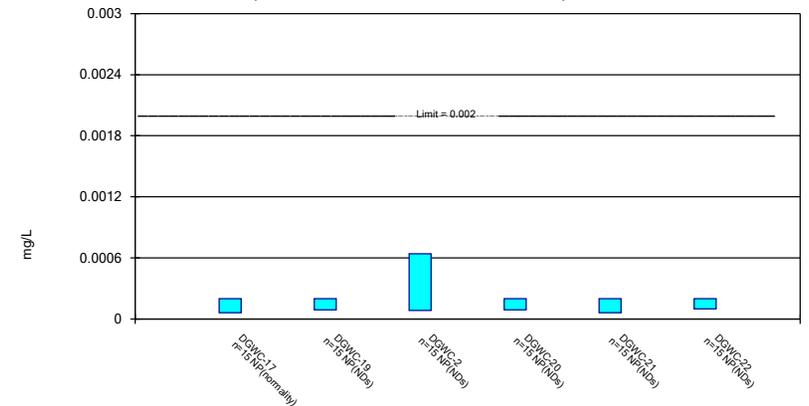
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Mercury Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

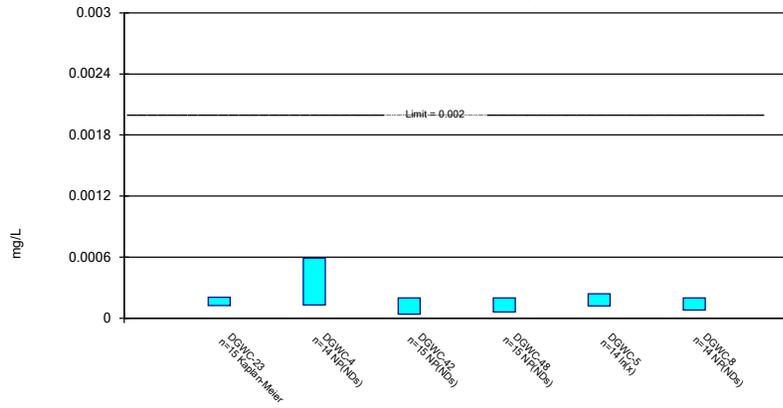
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Mercury Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

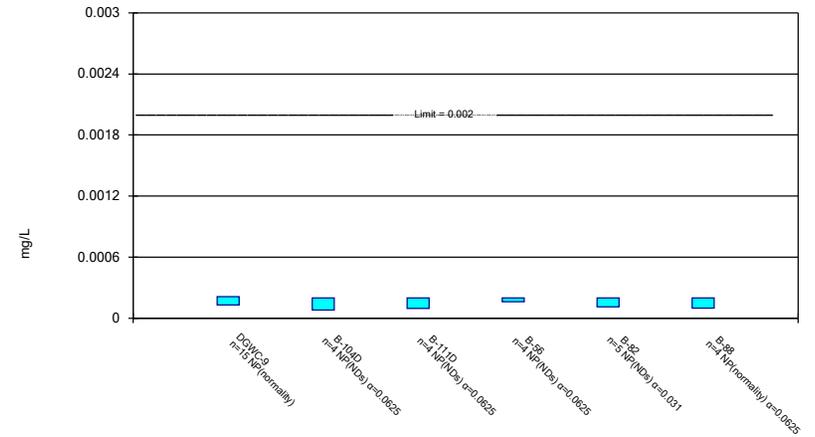
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Mercury Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

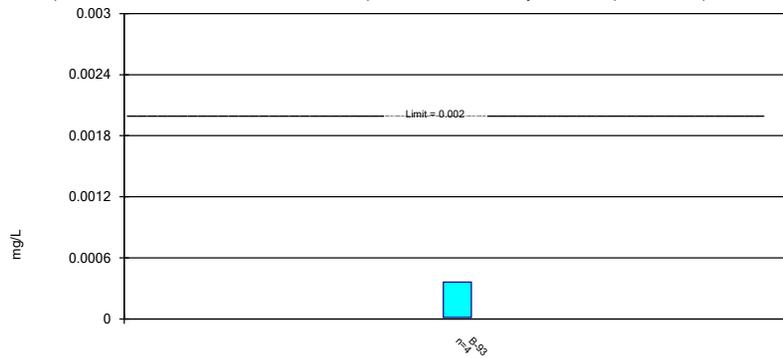
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Mercury Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric Confidence Interval

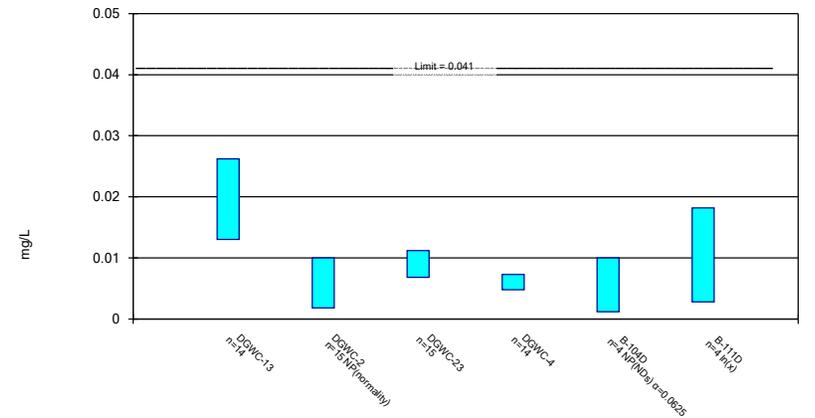
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Mercury Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

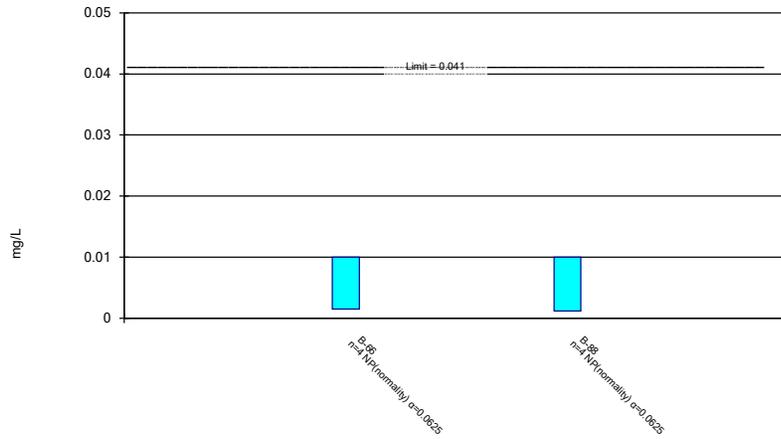
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

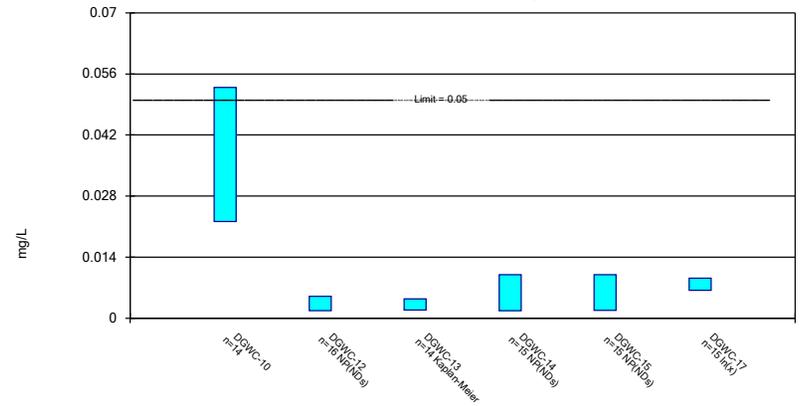
Compliance Limit is not exceeded.



Constituent: Molybdenum Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

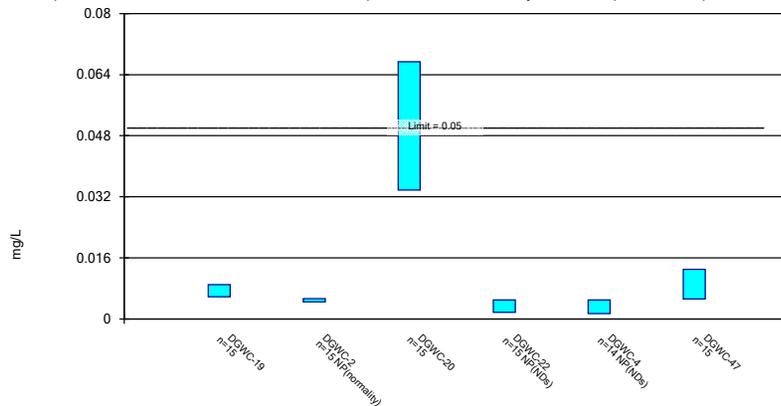
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

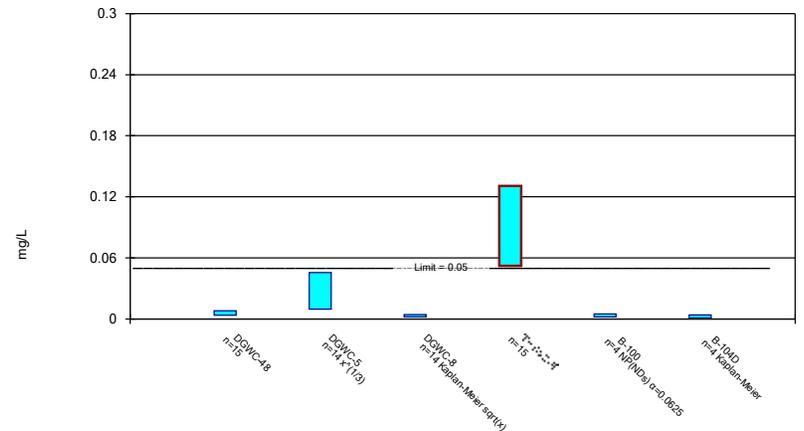
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

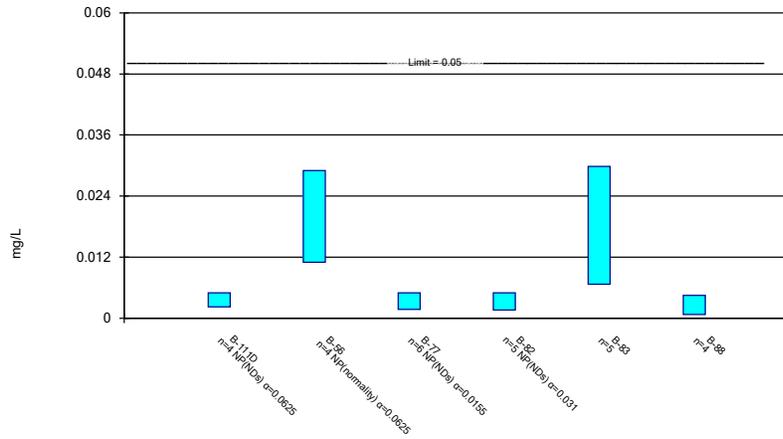
Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

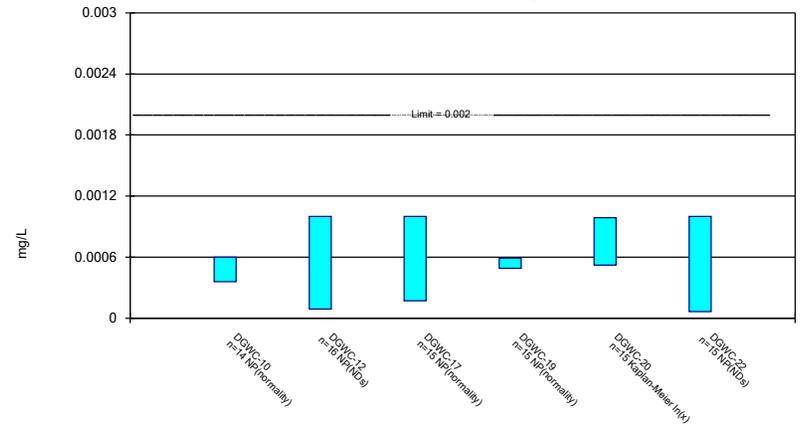
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Parametric and Non-Parametric (NP) Confidence Interval

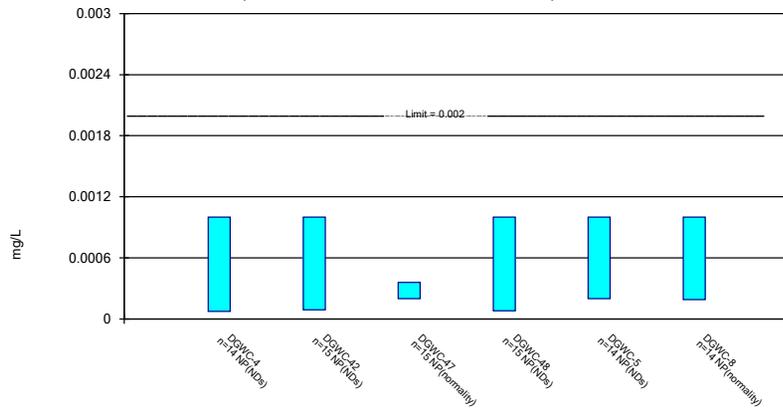
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Thallium Analysis Run 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval

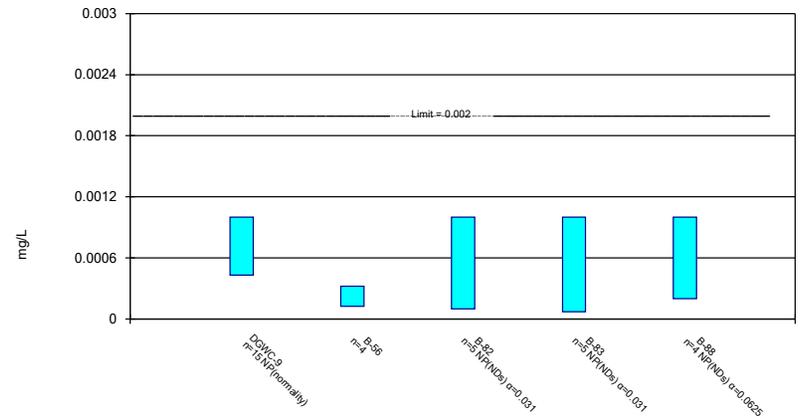
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Thallium Analysis Run 11/8/2021 2:22 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 11/8/2021 2:22 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-12	DGWC-14	DGWC-15	DGWC-17	DGWC-19	DGWC-2
8/31/2016		<0.003				
9/1/2016	<0.003				<0.003	
9/6/2016			<0.003			
9/7/2016				<0.003		
12/6/2016		<0.003				
12/7/2016	<0.003		<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		<0.003
5/11/2017						<0.003
6/15/2017						0.0006 (J)
7/11/2017						<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	<0.003	
2/27/2018	<0.003	<0.003				<0.003
2/28/2018			<0.003	<0.003	<0.003	
7/11/2018	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
11/6/2018						<0.003
11/7/2018	<0.003	<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)		<0.003	
9/17/2019	<0.003					
10/15/2019	<0.003					
10/16/2019		<0.003			<0.003	
10/17/2019			<0.003			<0.003
10/18/2019				<0.003		
3/2/2020	0.0003 (J)					
3/3/2020		<0.003	<0.003		<0.003	<0.003
3/4/2020				<0.003		
8/11/2020	<0.003	<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)			0.00036 (J)	
9/23/2020			<0.003			<0.003
9/24/2020				0.00045 (J)		
3/2/2021		<0.003	<0.003		<0.003	<0.003
3/3/2021	<0.003			<0.003		
9/9/2021	<0.003	<0.003	<0.003		<0.003	<0.003
9/13/2021				<0.003		
Mean	0.002831	0.002873	0.002671	0.00283	0.002824	0.00284
Std. Dev.	0.000675	0.0004906	0.0008724	0.0006584	0.0006816	0.0006197
Upper Lim.	0.003	0.003	0.003	0.003	0.003	0.003
Lower Lim.	0.0003	0.0011	0.00073	0.00045	0.00036	0.0006

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-21	DGWC-23	DGWC-4	DGWC-47	DGWC-48	DGWC-5
8/31/2016						<0.003
9/1/2016				<0.003	<0.003	
9/2/2016	<0.003					
12/6/2016						<0.003
12/8/2016	<0.003			<0.003	<0.003	
3/28/2017			<0.003			<0.003
3/30/2017	<0.003	<0.003			<0.003	
3/31/2017				<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
7/12/2017	<0.003	<0.003				
7/13/2017				<0.003	<0.003	
10/24/2017			<0.003			
10/25/2017	<0.003					<0.003
10/26/2017		<0.003		<0.003	<0.003	
2/27/2018			<0.003			<0.003
2/28/2018	<0.003					
3/1/2018		<0.003		<0.003		
3/2/2018					<0.003	
7/11/2018	0.0013 (J)					
7/12/2018		<0.003		<0.003	<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
8/29/2019	<0.003	<0.003		<0.003	<0.003	
10/15/2019			<0.003			
10/16/2019						<0.003
10/17/2019	<0.003			<0.003		
10/18/2019		<0.003			<0.003	
3/2/2020			0.00058 (J)			0.00032 (J)
3/3/2020	<0.003					
3/4/2020		<0.003		<0.003	<0.003	
8/12/2020			<0.003	<0.003		<0.003
8/13/2020		<0.003			<0.003	
8/14/2020	<0.003					
9/22/2020			<0.003			<0.003
9/23/2020				0.0012 (J)	0.00039 (J)	
9/24/2020	<0.003	<0.003				
3/1/2021			0.00049 (J)			
3/2/2021						0.0015 (J)
3/3/2021	<0.003	<0.003		<0.003	<0.003	
9/9/2021	<0.003	<0.003				
9/10/2021			<0.003	<0.003	0.0018 (J)	<0.003
Mean	0.002887	0.002847	0.002491	0.00288	0.002746	0.002701
Std. Dev.	0.0004389	0.0005939	0.001014	0.0004648	0.0007213	0.0007935
Upper Lim.	0.003	0.003	0.003	0.003	0.003	0.003
Lower Lim.	0.0013	0.0007	0.0008	0.0012	0.0018	0.0015

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	B-100	B-102D	B-104D	B-111D	B-62
8/30/2016	<0.003					
12/6/2016	<0.003					
3/29/2017	<0.003					
7/11/2017	<0.003					
10/24/2017	<0.003					
2/27/2018	<0.003					
11/6/2018	<0.003					
1/30/2019						<0.003
8/28/2019	<0.003					
9/11/2019						<0.003
10/16/2019	<0.003					
10/21/2019						<0.003
3/3/2020	<0.003					
8/12/2020	<0.003					
8/13/2020						<0.003
8/17/2020		0.0013 (J)				
9/23/2020	<0.003					
9/24/2020						0.00046 (J)
9/25/2020		<0.003				
12/9/2020				0.00079 (J)	<0.003	
12/17/2020			0.0016 (J)			
1/11/2021			<0.003			
1/12/2021				0.00048 (J)	<0.003	
3/2/2021	0.00046 (J)					
3/4/2021			<0.003	0.00077 (J)		
3/5/2021					0.0006 (J)	
3/8/2021		0.0017 (J)				
3/12/2021						<0.003
9/9/2021						<0.003
9/10/2021			<0.003			
9/13/2021	<0.003	<0.003				
9/14/2021				<0.003	<0.003	
Mean	0.002819	0.00225	0.00265	0.00126	0.0024	0.002637
Std. Dev.	0.0006788	0.0008813	0.0007	0.001169	0.0012	0.00096
Upper Lim.	0.003	0.001954	0.003	0.001068	0.003	0.003
Lower Lim.	0.00046	0.001046	0.0016	0.0003847	0.0006	0.00046

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

	B-63	B-77	B-93
1/28/2019	<0.003		
9/11/2019	<0.003		
9/18/2019		<0.003	
10/22/2019	0.00066 (J)		
10/24/2019		<0.003	
8/13/2020		0.00043 (J)	
8/19/2020			<0.003
9/24/2020		0.00036 (J)	
9/28/2020			0.0014 (J)
3/4/2021		0.00063 (J)	
3/9/2021			<0.003
9/14/2021	<0.003	<0.003	
9/15/2021			<0.003
Mean	0.002415	0.001737	0.0026
Std. Dev.	0.00117	0.001387	0.0008
Upper Lim.	0.003	0.003	0.003
Lower Lim.	0.00066	0.00036	0.0014

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-10	DGWC-12	DGWC-14	DGWC-15	DGWC-17	DGWC-19
8/31/2016	0.0058		<0.005			
9/1/2016		<0.005				0.0022 (J)
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		<0.005
12/8/2016					<0.005	
3/29/2017	0.0055	<0.005	<0.005			0.002 (J)
3/30/2017				0.0006 (J)	0.0008 (J)	
7/12/2017	0.0042 (J)	<0.005	<0.005	<0.005	<0.005	0.0016 (J)
10/24/2017	0.0058					
10/25/2017		0.0006 (J)	<0.005	<0.005	0.0007 (J)	0.0022 (J)
2/27/2018	0.0105	<0.005	<0.005			
2/28/2018				<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 (J)					
11/7/2018		<0.005	<0.005	<0.005	<0.005	<0.005 (J)
8/27/2019	0.0024 (J)	<0.005	<0.005		<0.005	
8/28/2019				<0.005		0.00049 (J)
9/17/2019		<0.005				
10/15/2019	0.0078	0.00063 (J)				
10/16/2019			0.00039 (J)			0.00046 (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		<0.005
3/4/2020					0.0014 (J)	
8/11/2020	0.0028 (J)	<0.005	<0.005			0.0014 (J)
8/13/2020				0.0013 (J)		
8/14/2020					<0.005	
9/22/2020		<0.005	<0.005			0.0017 (J)
9/23/2020				<0.005		
9/24/2020	0.0078				0.0011 (J)	
3/2/2021			<0.005	<0.005		0.0013 (J)
3/3/2021		<0.005			<0.005	
3/4/2021	0.006					
9/9/2021		<0.005	<0.005	<0.005		0.0027 (J)
9/10/2021	0.0076					
9/13/2021					<0.005	
Mean	0.005386	0.004452	0.004693	0.004169	0.003395	0.002317
Std. Dev.	0.002519	0.001498	0.00119	0.001726	0.002042	0.001551
Upper Lim.	0.00717	0.005	0.005	0.005	0.005	0.002035
Lower Lim.	0.003601	0.00063	0.00039	0.0013	0.0008	0.0009847

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-2	DGWC-20	DGWC-22	DGWC-4	DGWC-42	DGWC-47
9/1/2016						0.0037 (J)
9/2/2016		0.0159	<0.005			
9/7/2016					<0.005	
12/7/2016		0.0037 (J)				
12/8/2016			<0.005		<0.005	0.0032 (J)
3/28/2017				0.0005 (J)		
3/29/2017		0.015	<0.005			
3/30/2017	<0.005					
3/31/2017					0.0007 (J)	0.0031 (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		0.0121				
7/13/2017			<0.005		<0.005	0.0018 (J)
10/24/2017	<0.005			<0.005		
10/25/2017		0.0135	<0.005		<0.005	
10/26/2017						0.0016 (J)
2/27/2018	<0.005			<0.005		
2/28/2018		0.0177	0.001 (J)		0.0011 (J)	
3/1/2018						0.0029 (J)
7/11/2018	<0.005	0.0055			<0.005	
7/12/2018			<0.005			0.0023 (J)
11/6/2018	<0.005			<0.005		
11/7/2018		0.0054	<0.005		<0.005	<0.005 (J)
8/27/2019	0.00099 (J)			<0.005		
8/28/2019					<0.005	
8/29/2019		0.0064	<0.005			0.00089 (J)
10/15/2019				<0.005		
10/17/2019	<0.005	0.0094			<0.005	0.0013 (J)
10/18/2019			<0.005			
3/2/2020				<0.005		
3/3/2020	0.0025 (J)		<0.005			
3/4/2020		0.029			<0.005	0.0012 (J)
8/11/2020	<0.005					
8/12/2020				<0.005		0.00081 (J)
8/13/2020		0.014			<0.005	
8/14/2020			<0.005			
9/22/2020		0.0063		<0.005	<0.005	
9/23/2020	<0.005					<0.005
9/24/2020			<0.005			
3/1/2021				<0.005		
3/2/2021	<0.005	0.019				
3/3/2021			<0.005		<0.005	<0.005
9/9/2021	<0.005					
9/10/2021		0.0083	<0.005	<0.005		0.0016 (J)
9/13/2021					<0.005	
Mean	0.004566	0.01208	0.004733	0.004057	0.004453	0.002627
Std. Dev.	0.00118	0.006761	0.001033	0.001875	0.001445	0.001504
Upper Lim.	0.005	0.01666	0.005	0.005	0.005	0.002647
Lower Lim.	0.0025	0.007499	0.001	0.0008	0.0011	0.001328

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-48	DGWC-5	DGWC-8	DGWC-9	B-104D	B-111D
8/30/2016			<0.005	0.0241		
8/31/2016		0.0035 (J)				
9/1/2016	<0.005					
12/6/2016		0.0032 (J)	<0.005	<0.005		
12/8/2016	<0.005					
3/28/2017		0.0385		0.0243		
3/29/2017			0.001 (J)			
3/30/2017	0.0015 (J)					
7/11/2017		0.0203	0.0012 (J)	0.0194		
7/13/2017	0.0012 (J)					
10/24/2017			0.0015 (J)	0.0249		
10/25/2017		0.0119				
10/26/2017	0.0008 (J)					
2/27/2018		0.0094	0.002 (J)	0.0405		
3/2/2018	0.0017 (J)					
7/11/2018				0.016		
7/12/2018	0.0015 (J)					
11/6/2018		<0.005	<0.005	0.017		
11/7/2018	<0.005					
8/27/2019		<0.005		0.021		
8/28/2019			<0.005			
8/29/2019	<0.005					
10/16/2019		0.0036 (J)	<0.005			
10/17/2019				0.033		
10/18/2019	0.00079 (J)					
3/2/2020		0.0052				
3/3/2020			0.00096 (J)	0.015		
3/4/2020	0.0006 (J)					
8/11/2020				0.022		
8/12/2020		0.002 (J)	<0.005			
8/13/2020	<0.005					
9/22/2020		0.0062		0.04		
9/23/2020	<0.005		<0.005			
12/9/2020				<0.005	<0.005	
1/12/2021				<0.005	<0.005	
3/2/2021		0.0013 (J)	<0.005	0.021		
3/3/2021	<0.005					
3/4/2021				0.0025 (J)		
3/5/2021					0.0023 (J)	
9/10/2021	<0.005	0.0031 (J)		0.031		
9/13/2021			<0.005			
9/14/2021					0.0019 (J)	0.0029 (J)
Mean	0.003206	0.008443	0.00369	0.02361	0.0036	0.0038
Std. Dev.	0.002005	0.009971	0.001839	0.009468	0.001635	0.001407
Upper Lim.	0.005	0.0118	0.005	0.03003	0.002881	0.003281
Lower Lim.	0.0008	0.002817	0.0012	0.0172	0.001519	0.001919

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

	B-56	B-77	B-93
9/18/2019		<0.005	
10/24/2019		0.0029 (J)	
8/13/2020		0.002 (J)	
8/17/2020	0.0032 (J)		
8/19/2020			0.0013 (J)
9/24/2020		0.0025 (J)	
9/28/2020	0.0047 (J)		0.0027 (J)
3/3/2021	0.003 (J)		
3/4/2021		0.002 (J)	
3/9/2021			<0.005
9/13/2021	0.0031 (J)		
9/14/2021		<0.005	
9/15/2021			<0.005
Mean	0.0035	0.003233	0.0035
Std. Dev.	0.0008042	0.001409	0.001824
Upper Lim.	0.0047	0.002882	0.003589
Lower Lim.	0.003	0.001869	0.0004108

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/8/2021 2:30 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	0.0321	0.0545			0.0576	
9/1/2016			0.0254			
9/6/2016				0.0297		0.0497
12/6/2016	0.029	0.0564			0.0608	
12/7/2016			0.0241	0.0266		0.0469
3/29/2017	0.0335	0.0565	0.0268		0.0693	
3/30/2017				0.0308		0.0495
7/12/2017	0.0314	0.0572	0.0262	0.0291	0.0585	0.0517
10/24/2017	0.0317	0.0596				
10/25/2017			0.0268		0.0563	0.0474
11/15/2017				0.0309		
2/27/2018	0.028	0.0672	0.0255		0.0591	
2/28/2018				<0.01		0.0455
7/11/2018			0.026		0.061	0.05
11/6/2018	0.025	0.074				
11/7/2018			0.028	0.034	0.055	0.042
8/27/2019	0.021	0.071	0.024		0.059	
8/28/2019				0.033		0.047
9/17/2019			0.02			
10/15/2019	0.024	0.064	0.02			
10/16/2019				0.034	0.059	
10/17/2019						0.046
3/2/2020		0.071	0.04			
3/3/2020	0.024			0.035	0.064	0.05
8/11/2020	0.024	0.064	0.028		0.061	
8/12/2020				0.032		
8/13/2020						0.06
9/22/2020		0.058	0.036		0.06	
9/23/2020				0.03		0.043
9/24/2020	0.021					
3/2/2021		0.052		0.03	0.064	0.043
3/3/2021			0.035			
3/4/2021	0.025					
9/9/2021		0.054	0.04	0.027	0.059	0.041
9/10/2021	0.019					
Mean	0.02634	0.06139	0.02824	0.02908	0.06024	0.04751
Std. Dev.	0.004637	0.007138	0.006231	0.007369	0.003493	0.004744
Upper Lim.	0.02962	0.06644	0.03199	0.03292	0.06261	0.05073
Lower Lim.	0.02305	0.05633	0.02415	0.02732	0.05787	0.0443

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/8/2021 2:30 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		0.0214				
9/2/2016				0.0097 (J)	0.0252	0.0397
9/7/2016	0.0694					
12/7/2016		0.0191		0.0087 (J)		
12/8/2016	0.062				0.0262	0.0408
3/29/2017		0.0209		0.0094 (J)		0.0417
3/30/2017	0.0615		0.0232		0.0272	
5/11/2017			0.0231			
6/15/2017			0.0223			
7/11/2017			0.0201			
7/12/2017	0.0532	0.0212		0.0099 (J)	0.0276	
7/13/2017						0.0376
10/24/2017			0.0206			
10/25/2017	0.0544	0.021		0.0096 (J)	0.0262	0.0384
2/27/2018			0.0207			
2/28/2018	0.0527	0.0213		<0.01	0.027	0.0353
7/11/2018	0.053	0.023	0.022	0.01	0.027	
7/12/2018						0.036
11/6/2018			0.021			
11/7/2018	0.044	0.024		0.011	0.024	0.031
8/27/2019	0.05		0.023			
8/28/2019		0.026				
8/29/2019				0.018	0.027	0.031
10/16/2019		0.024				
10/17/2019			0.022	0.015	0.027	
10/18/2019	0.045					0.032
3/3/2020		0.028	0.022		0.027	0.035
3/4/2020	0.044			0.017		
8/11/2020		0.027	0.022			
8/13/2020				0.019		
8/14/2020	0.046				0.027	0.035
9/22/2020		0.026		0.011		
9/23/2020			0.023			
9/24/2020	0.033				0.024	0.031
3/2/2021		0.026	0.023	0.021		
3/3/2021	0.036				0.024	0.031
9/9/2021		0.025	0.022		0.023	
9/10/2021				0.0098		0.027
9/13/2021	0.031					
Mean	0.04901	0.02359	0.022	0.01227	0.02596	0.03483
Std. Dev.	0.01083	0.002686	0.001	0.004566	0.001505	0.004281
Upper Lim.	0.05635	0.02541	0.02268	0.01537	0.0272	0.03773
Lower Lim.	0.04167	0.02177	0.02132	0.009179	0.024	0.03193

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/8/2021 2:30 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						0.0266 (O)
9/1/2016				0.0162	0.0157	
9/7/2016			0.0194			
12/6/2016						0.0186
12/8/2016			0.0189	0.0247	0.0155	
3/28/2017		0.0363				0.0187
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)
7/12/2017	0.0186					
7/13/2017			0.021	0.0165	0.014	
10/24/2017		0.0351				
10/25/2017			0.0196			0.0175
10/26/2017	0.0176			0.0152	0.0117	
2/27/2018		0.0364				0.0172
2/28/2018			0.0171			
3/1/2018	0.0164			0.0164		
3/2/2018					0.0131	
7/11/2018			0.02			
7/12/2018	0.022			0.015	0.013	
11/6/2018		0.035				0.016
11/7/2018			0.017	0.02	0.014	
11/8/2018	0.022					
8/27/2019		0.036				0.017
8/28/2019			0.018			
8/29/2019	0.025			0.018	0.014	
10/15/2019		0.033				
10/16/2019						0.02
10/17/2019			0.018	0.019		
10/18/2019	0.019				0.014	
3/2/2020		0.036				0.018
3/4/2020	0.032		0.015	0.017	0.014	
8/12/2020		0.036		0.016		0.017
8/13/2020	0.027		0.027		0.013	
9/22/2020		0.03	0.016			0.017
9/23/2020				0.014	0.013	
9/24/2020	0.02					
3/1/2021		0.039				
3/2/2021						0.017
3/3/2021	0.019		0.015	0.02	0.014	
9/9/2021	0.021					
9/10/2021		0.032		0.021	0.013	0.015
9/13/2021			0.014			
Mean	0.02113	0.03419	0.01836	0.01786	0.01367	0.01742
Std. Dev.	0.004092	0.002802	0.003153	0.002794	0.001016	0.001247
Upper Lim.	0.0236	0.03617	0.0205	0.01975	0.01436	0.01834
Lower Lim.	0.01844	0.0322	0.01622	0.01597	0.01298	0.01649

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-102D	B-104D	B-111D	B-56
8/30/2016	0.0435	0.0162				
12/6/2016	0.0431	0.0138				
3/28/2017		0.017				
3/29/2017	0.044					
7/11/2017	0.0389	0.0154 (J)				
10/24/2017	0.0369	0.0148				
2/27/2018	0.0346	0.0148				
7/11/2018		0.017				
11/6/2018	0.027	0.015				
8/27/2019		0.016				
8/28/2019	0.025					
10/16/2019	0.027					
10/17/2019		0.015				
3/3/2020	0.026	0.016				
8/11/2020		0.016				
8/12/2020	0.034					
8/17/2020						0.03
9/22/2020		0.015				
9/23/2020	0.025					
9/28/2020						0.026
12/9/2020				0.026	0.027	
12/17/2020			0.022			
1/11/2021			0.024			
1/12/2021				0.022	0.027	
3/2/2021	0.029	0.017				
3/3/2021						0.028
3/4/2021			0.022	0.021		
3/5/2021					0.038	
9/10/2021		0.014	0.02			
9/13/2021	0.019					0.026
9/14/2021				0.021	0.043	
Mean	0.03236	0.01553	0.022	0.0225	0.03375	0.0275
Std. Dev.	0.008048	0.00103	0.001633	0.00238	0.008057	0.001915
Upper Lim.	0.03806	0.01623	0.02571	0.026	0.05204	0.03185
Lower Lim.	0.02666	0.01484	0.01829	0.021	0.01546	0.02315

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	B-62	B-63	B-66	B-77	B-82	B-83
1/28/2019		0.028				
1/30/2019	0.018		0.016			
9/11/2019	0.023	0.021				
9/12/2019			0.017			
9/18/2019				0.086		
9/23/2019					0.031	
10/21/2019	0.026		0.018		0.03	0.034
10/22/2019		0.021				
10/24/2019				0.1		
8/13/2020	0.026			0.11		
8/14/2020						0.056
8/17/2020					0.024	
9/24/2020	0.025			0.12		
9/25/2020						0.027
9/28/2020					0.023	
3/4/2021				0.11		0.032
3/12/2021	0.027					
9/9/2021	0.021					
9/14/2021		0.026	0.018	0.12	0.022	
9/16/2021						0.03
Mean	0.02371	0.024	0.01725	0.1077	0.026	0.0358
Std. Dev.	0.003251	0.003559	0.0009574	0.01299	0.004183	0.01158
Upper Lim.	0.02758	0.03208	0.01942	0.1255	0.03301	0.05537
Lower Lim.	0.01985	0.01592	0.01508	0.08983	0.01899	0.02029

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

	B-88	B-93
8/17/2020	0.022	
8/19/2020		0.018
9/25/2020	0.021	
9/28/2020		0.017
3/5/2021	0.022	
3/9/2021		0.016 (J)
9/13/2021	0.016	
9/15/2021		0.016
Mean	0.02025	0.01675
Std. Dev.	0.002872	0.0009574
Upper Lim.	0.02418	0.01892
Lower Lim.	-0.01405	0.01458

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 2:30 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	<0.0005				
9/1/2016			0.0002 (J)			
9/6/2016				<0.0005	<0.0005	
9/7/2016						0.0006 (J)
12/6/2016	0.0048	<0.0005				
12/7/2016			0.0002 (J)	<0.0005	<0.0005	
12/8/2016						0.0005 (J)
3/29/2017	0.0048	<0.0005	0.0002 (J)			
3/30/2017				7E-05 (J)	<0.0005	0.0006 (J)
7/12/2017	0.0046	<0.0005	0.0002 (J)	<0.0005	<0.0005	0.0005 (J)
10/24/2017	0.0048	<0.0005				
10/25/2017			0.0002 (J)		<0.0005	0.0005 (J)
11/15/2017				<0.0005		
2/27/2018	0.0106	<0.0005	<0.0005			
2/28/2018				<0.0005	<0.0005	<0.0005
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)	<0.0005
8/27/2019	0.0092	0.00014 (J)	0.00028 (J)			0.00066 (J)
8/28/2019				<0.0005	<0.0005	
9/17/2019			0.00049 (J)			
10/15/2019	0.01	0.00012 (J)	0.00016 (J)			
10/16/2019				<0.0005		
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			<0.0005	<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
Mean	0.007443	0.0004964	0.0003943	0.0005256	0.0006185	0.0005727
Std. Dev.	0.002492	0.0007432	0.0007051	0.000742	0.0006715	6.808E-05
Upper Lim.	0.009208	0.003	0.00049	0.003	0.003	0.0006188
Lower Lim.	0.005678	0.00013	0.00011	7E-05	0.00022	0.0005265

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 2:30 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						<0.0005
2/28/2018	<0.0005	<0.0005	<0.0005	<0.0005		
3/1/2018					<0.0005	
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)
Mean	0.001907	0.003673	0.000374	0.000376	0.000618	0.0004279
Std. Dev.	0.0004978	0.002056	0.0007325	0.0007316	0.0006665	0.0007463
Upper Lim.	0.0021	0.004866	0.0005	0.0005	0.0005	0.00028
Lower Lim.	0.0017	0.002215	0.0001	0.00014	0.00038	0.00019

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 2:30 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	<0.0005					
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	
Mean	0.002333	0.01091	0.00838	0.007443	0.002443	0.005413
Std. Dev.	0.0006576	0.002797	0.00126	0.001758	0.00107	0.000712
Upper Lim.	0.002738	0.01281	0.009234	0.008688	0.003201	0.005896
Lower Lim.	0.002049	0.009018	0.007526	0.006197	0.001685	0.004931

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	B-100	B-102D	B-104D	B-56	B-62	B-63
10/6/2016					9E-05 (J)	
10/7/2016						0.0004 (J)
2/19/2018						0.00049 (J)
1/28/2019						<0.0005
1/30/2019					<0.0005	
9/11/2019					0.00012 (J)	0.00035 (J)
10/21/2019					7.8E-05 (J)	
10/22/2019						0.0003 (J)
8/13/2020					0.00011 (J)	
8/17/2020	0.0004 (J)			0.0013 (J)		
9/24/2020					0.00013 (J)	
9/25/2020	0.00035 (J)					
9/28/2020				0.0012 (J)		
12/9/2020			0.0013 (J)			
12/17/2020		0.0014 (J)				
1/11/2021		0.0013 (J)				
1/12/2021			0.0015 (J)			
3/3/2021				0.0011		
3/4/2021		0.0012	0.0015			
3/8/2021	0.00046 (J)					
3/12/2021					<0.0005	
9/9/2021					0.00014 (J)	
9/10/2021		0.0011				
9/13/2021	0.00053			0.0012		
9/14/2021			0.0011			0.00042 (J)
Mean	0.000435	0.00125	0.00135	0.0012	0.0002085	0.00041
Std. Dev.	7.767E-05	0.0001291	0.0001915	8.165E-05	0.000181	7.797E-05
Upper Lim.	0.0006113	0.001543	0.001785	0.001385	0.0005	0.0004803
Lower Lim.	0.0002587	0.0009569	0.0009153	0.001015	7.8E-05	0.0003037

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	B-77	B-82	B-83	B-93	B-98
9/18/2019	0.00011 (J)				
9/23/2019		0.0015 (J)			
10/21/2019		0.0011 (J)	0.00039 (J)		
10/24/2019	<0.0005				
12/19/2019				0.0069	
2/17/2020					<0.0005
2/27/2020					<0.0005
8/13/2020	0.00014 (J)				
8/14/2020			0.0007 (J)		
8/17/2020		0.0014 (J)			
8/19/2020				0.015	
9/24/2020	5.3E-05 (J)				
9/25/2020			0.00028 (J)		
9/28/2020		0.0015 (J)		0.015	
3/4/2021	5.7E-05 (J)		0.00037 (J)		
3/9/2021				0.017	
3/15/2021					<0.0005
9/14/2021	<0.0005	0.0017			
9/15/2021				0.015	0.00087
9/16/2021			0.00028 (J)		
Mean	0.0002267	0.00144	0.000404	0.01378	0.0005925
Std. Dev.	0.0002142	0.0002191	0.000173	0.003942	0.000185
Upper Lim.	0.0001464	0.001807	0.0006999	0.01805	0.00087
Lower Lim.	4.658E-05	0.001073	0.0001718	0.006467	0.0005

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 11/8/2021 2:30 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	0.0012	<0.0005				
9/1/2016			0.0004 (J)			
9/6/2016				<0.0005	<0.0005	
9/7/2016						0.0003 (J)
12/6/2016	0.0013	<0.0005				
12/7/2016			0.0003 (J)	0.0002 (J)	9E-05 (J)	
12/8/2016						0.0003 (J)
3/29/2017	0.0013	<0.0005	0.0003 (J)			
3/30/2017				8E-05 (J)	9E-05 (J)	0.0003 (J)
7/12/2017	0.0013	<0.0005	0.0004 (J)	<0.0005	<0.0005	0.0002 (J)
10/24/2017	0.0014	<0.0005				
10/25/2017			0.0004 (J)		<0.0005	0.0002 (J)
11/15/2017				<0.0005		
2/27/2018	0.001	<0.0005	<0.0005			
2/28/2018				<0.0005	<0.0005	<0.0005
7/11/2018			0.00033 (J)		<0.0005	0.00029 (J)
11/6/2018	0.0012	<0.0005				
11/7/2018			<0.001 (J)	<0.0005	<0.001 (J)	<0.0005
8/27/2019	0.00077 (J)	0.00012 (J)	0.00037 (J)			0.00033 (J)
8/28/2019				<0.0005	<0.0005	
9/17/2019			0.00035 (J)			
10/15/2019	0.00095 (J)	<0.0005	0.00025 (J)			
10/16/2019				<0.0005		
10/17/2019					<0.0005	
10/18/2019						0.00029 (J)
3/2/2020		<0.0005	<0.0005			
3/3/2020	0.00095 (J)			<0.0005	0.00012 (J)	
3/4/2020						0.00028 (J)
8/11/2020	0.00071 (J)	<0.0005	0.00038 (J)			
8/12/2020				<0.0005		
8/13/2020					0.00013 (J)	
8/14/2020						0.00029 (J)
9/22/2020		0.00016 (J)	0.00017 (J)			
9/23/2020				<0.0005	<0.0005	
9/24/2020	0.00055 (J)					0.00024 (J)
3/2/2021		0.00013 (J)		<0.0005	<0.0005	
3/3/2021			0.00016 (J)			0.00023 (J)
3/4/2021	0.00088					
9/9/2021		<0.0005	<0.0005	<0.0005	<0.0005	
9/10/2021	0.00061					
9/13/2021						0.00023 (J)
Mean	0.001009	0.0004221	0.0003944	0.0004486	0.0004287	0.0002987
Std. Dev.	0.0002801	0.0001549	0.0001917	0.0001328	0.0002377	9.062E-05
Upper Lim.	0.001207	0.0005	0.0003426	0.0005	0.001	0.00033
Lower Lim.	0.0008102	0.00016	0.0002257	0.0002	0.00012	0.00023

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-19	DGWC-2	DGWC-20	DGWC-21	DGWC-22	DGWC-23
9/1/2016	0.0004 (J)					
9/2/2016			0.0023	0.0006 (J)	0.0003 (J)	
12/7/2016	0.0004 (J)		0.0023			
12/8/2016				0.0006 (J)	0.0004 (J)	
3/29/2017	0.0004 (J)		0.0021		0.0004 (J)	
3/30/2017		0.0005 (J)		0.0008 (J)		0.0002 (J)
5/11/2017		0.0004 (J)				
5/12/2017						0.0003 (J)
6/15/2017		0.0003 (J)				0.0002 (J)
7/11/2017		0.0003 (J)				
7/12/2017	0.0004 (J)		0.0021	0.0006 (J)		0.0002 (J)
7/13/2017					0.0005 (J)	
10/24/2017		0.0003 (J)				
10/25/2017	0.0004 (J)		0.002	0.0005 (J)	0.0007 (J)	
10/26/2017						0.0003 (J)
2/27/2018		<0.0005				
2/28/2018	<0.0005		0.0018	<0.0005	<0.0005	
3/1/2018						<0.0005
7/11/2018	0.00039 (J)	0.00018 (J)	0.0018	0.00054 (J)		
7/12/2018					0.00091 (J)	0.00028 (J)
11/6/2018		<0.001 (J)				
11/7/2018	<0.001 (J)		0.0018	<0.001 (J)	<0.001 (J)	
11/8/2018						<0.001 (J)
8/27/2019		0.00012 (J)				
8/28/2019	0.00033 (J)					
8/29/2019			0.002 (J)	0.00087 (J)	0.00053 (J)	0.00022 (J)
10/16/2019	0.00034 (J)					
10/17/2019		0.00013 (J)	0.0017 (J)	0.0006 (J)		
10/18/2019					0.00056 (J)	0.00022 (J)
3/3/2020	0.00037 (J)	0.00014 (J)		0.00063 (J)	0.00061 (J)	
3/4/2020			0.0026			0.00024 (J)
8/11/2020	0.0003 (J)	<0.0005				
8/13/2020			0.0021 (J)			0.00027 (J)
8/14/2020				0.00054 (J)	0.00057 (J)	
9/22/2020	0.00036 (J)		0.0014 (J)			
9/23/2020		0.00013 (J)				
9/24/2020				0.00073 (J)	0.00058 (J)	0.00018 (J)
3/2/2021	0.00035 (J)	<0.0005	0.0025			
3/3/2021				0.00044 (J)	0.0005	0.00015 (J)
9/9/2021	0.00037 (J)	<0.0005		0.00012 (J)		0.00019 (J)
9/10/2021			0.0012		0.00061	
Mean	0.0004207	0.0003667	0.00198	0.0006047	0.000578	0.0002967
Std. Dev.	0.0001665	0.0002335	0.0003802	0.0002024	0.0001826	0.0002115
Upper Lim.	0.0005	0.0002846	0.002238	0.0007418	0.0007017	0.0003
Lower Lim.	0.00034	0.0001314	0.001722	0.0004675	0.0004543	0.00019

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5	DGWC-8
8/30/2016						0.0019
8/31/2016					0.0002 (J)	
9/1/2016			0.0017	0.0013		
9/7/2016		0.0007 (J)				
12/6/2016					0.0004 (J)	0.0025
12/8/2016		0.0003 (J)	0.0002 (J)	0.0042		
3/28/2017	0.0006 (J)				0.0002 (J)	
3/29/2017						0.0024
3/30/2017				0.0089		
3/31/2017		0.0009 (J)	0.002			
5/12/2017	0.0006 (J)					
6/15/2017	0.0005 (J)					
7/11/2017	0.0006 (J)				0.0003 (J)	0.0021
7/13/2017		0.0008 (J)	0.0017	0.0033		
10/24/2017	0.0007 (J)					0.0029
10/25/2017		0.0005 (J)			0.0006 (J)	
10/26/2017			0.0015	0.0032		
2/27/2018	<0.0005				<0.0005	0.0029
2/28/2018		<0.0005				
3/1/2018			0.0025			
3/2/2018				0.0049		
7/11/2018		0.0024				
7/12/2018			0.0021	0.0032		
11/6/2018	<0.001 (J)				<0.001 (J)	0.0027
11/7/2018		<0.001 (J)	0.0016	0.0031		
8/27/2019	0.00072 (J)				0.00082 (J)	
8/28/2019		0.0015 (J)				0.0022 (J)
8/29/2019			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			
10/18/2019				0.0028		
3/2/2020	0.00088 (J)				0.00089 (J)	
3/3/2020						0.002 (J)
3/4/2020		0.00037 (J)	0.0017 (J)	0.0036		
8/12/2020	0.0008 (J)		0.001 (J)		0.00079 (J)	0.0021 (J)
8/13/2020		0.0013 (J)		0.0028		
9/22/2020	0.00065 (J)	0.0007 (J)			0.00072 (J)	
9/23/2020			0.0013 (J)	0.0025		0.0018 (J)
3/1/2021	0.00085					
3/2/2021					0.00075	0.0017
3/3/2021		0.00038 (J)	0.0016	0.0033		
9/10/2021	0.0009		0.0014	0.0028	0.00093	
9/13/2021		0.00042 (J)				0.002
Mean	0.0007193	0.0008233	0.001713	0.003527	0.0006279	0.002243
Std. Dev.	0.0001538	0.0005572	0.0006896	0.001682	0.0002677	0.0003857
Upper Lim.	0.0008282	0.001109	0.002181	0.0042	0.0008175	0.002516
Lower Lim.	0.0006103	0.0004679	0.001246	0.0025	0.0004382	0.00197

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-9	B-100	B-102D	B-56	B-63	B-82
8/30/2016	0.0004 (J)					
12/6/2016	0.0005 (J)					
3/28/2017	0.0005 (J)					
7/11/2017	0.0005 (J)					
10/24/2017	0.0006 (J)					
2/27/2018	<0.0005					
7/11/2018	0.00067 (J)					
11/6/2018	<0.001 (J)					
1/28/2019					<0.0005	
8/27/2019	0.00071 (J)					
9/11/2019					<0.0005	
9/23/2019						0.00044 (J)
10/17/2019	0.00064 (J)					
10/21/2019						0.00035 (J)
10/22/2019					0.00014 (J)	
3/3/2020	0.00059 (J)					
8/11/2020	0.00059 (J)					
8/17/2020		0.00059 (J)		0.00029 (J)		0.00058 (J)
9/22/2020	0.00059 (J)					
9/25/2020		0.00027 (J)				
9/28/2020				0.00024 (J)		0.00066 (J)
12/17/2020			0.00067 (J)			
1/11/2021			0.0008 (J)			
3/2/2021	0.00057					
3/3/2021				0.00026 (J)		
3/4/2021			0.00081			
3/8/2021		0.00027 (J)				
9/10/2021	0.00053		0.00083			
9/13/2021		0.00029 (J)		0.00028 (J)		
9/14/2021					0.00025 (J)	0.0007
Mean	0.0005927	0.000355	0.0007775	0.0002675	0.0003475	0.000546
Std. Dev.	0.0001373	0.000157	7.274E-05	2.217E-05	0.0001817	0.0001479
Upper Lim.	0.0006732	0.00059	0.0009243	0.0003178	0.0003199	0.0007939
Lower Lim.	0.0005032	0.00027	0.0006021	0.0002172	7.013E-05	0.0002981

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

	B-83	B-88	B-93
10/21/2019	0.00041 (J)		
8/14/2020	0.00037 (J)		
8/17/2020		0.0018 (J)	
8/19/2020			0.00077 (J)
9/25/2020	0.00026 (J)	0.00022 (J)	
9/28/2020			0.00074 (J)
3/4/2021	0.00032 (J)		
3/5/2021		0.0065	
3/9/2021			0.00075 (J)
9/13/2021		0.0013	
9/15/2021			0.00088
9/16/2021	0.0003 (J)		
Mean	0.000332	0.002455	0.000785
Std. Dev.	5.891E-05	0.002776	6.455E-05
Upper Lim.	0.0004307	0.008758	0.0009316
Lower Lim.	0.0002333	-0.003848	0.0006384

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 2:30 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	<0.005	<0.005				
9/1/2016			<0.005			
9/6/2016				<0.005	<0.005	
9/7/2016						0.0026 (J)
12/6/2016	<0.005	<0.005				
12/7/2016			<0.005	<0.005	<0.005	
12/8/2016						0.0025 (J)
3/29/2017	0.0008 (J)	<0.005	<0.005			
3/30/2017				0.0009 (J)	0.0005 (J)	0.0026 (J)
7/12/2017	0.0006 (J)	<0.005	<0.005	<0.005	<0.005	0.0022 (J)
10/24/2017	0.0007 (J)	<0.005				
10/25/2017			<0.005		<0.005	0.0024 (J)
11/15/2017				<0.005		
2/27/2018	<0.005	<0.005	<0.005			
2/28/2018				<0.005	<0.005	<0.005
7/11/2018			<0.005		<0.005	0.0024 (J)
11/6/2018	<0.005	<0.005				
11/7/2018			<0.005	<0.005	<0.01 (J)	<0.005
8/27/2019	0.00083 (J)	0.0006 (J)	<0.005			0.0031 (J)
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)	
10/18/2019						0.0027 (J)
3/2/2020		0.0006 (J)	<0.005			
3/3/2020	0.00092 (J)			0.00066 (J)	0.00046 (J)	
3/4/2020						0.0035 (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)	
8/14/2020						0.0033 (J)
9/22/2020		0.00058 (J)	<0.005			
9/23/2020				0.00059 (J)	<0.005	
9/24/2020	0.001 (J)					0.0029 (J)
3/2/2021		<0.005		<0.005	<0.005	
3/3/2021			0.00099 (J)			0.0028 (J)
3/4/2021	0.0009 (J)					
9/9/2021		<0.005	<0.005	<0.005	<0.005	
9/10/2021	<0.005					
9/13/2021						0.0027 (J)
Mean	0.002321	0.003742	0.004496	0.003778	0.004423	0.003047
Std. Dev.	0.002074	0.002064	0.001378	0.002006	0.002397	0.0008651
Upper Lim.	0.005	0.005	0.005	0.005	0.01	0.0035
Lower Lim.	0.00078	0.0006	0.00099	0.00074	0.00058	0.0024

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-19	DGWC-2	DGWC-20	DGWC-21	DGWC-22	DGWC-23
9/1/2016	0.0031 (J)					
9/2/2016			0.0017 (J)	<0.005	0.0012 (J)	
12/7/2016	<0.005		<0.005			
12/8/2016				<0.005	<0.005	
3/29/2017	0.0025 (J)		0.0016 (J)		<0.005	
3/30/2017		0.0005 (J)		0.0005 (J)		0.0012 (J)
5/11/2017		0.0005 (J)				
5/12/2017						0.0004 (J)
6/15/2017		<0.005				0.0005 (J)
7/11/2017		<0.005				
7/12/2017	0.0023 (J)		<0.005	0.0006 (J)		0.0007 (J)
7/13/2017					<0.005	
10/24/2017		<0.005				
10/25/2017	0.0024 (J)		0.0015 (J)	<0.005	<0.005	
10/26/2017						0.0007 (J)
2/27/2018		<0.005				
2/28/2018	<0.005		<0.005	<0.005	<0.005	
3/1/2018						<0.005
7/11/2018	0.0022 (J)	<0.005	<0.005	<0.005		
7/12/2018					<0.005	<0.005
11/6/2018		<0.005				
11/7/2018	<0.01 (J)		<0.01 (J)	<0.005	<0.005	
11/8/2018						<0.005
8/27/2019		0.0004 (J)				
8/28/2019	0.0028 (J)					
8/29/2019			0.0017 (J)	0.00041 (J)	<0.005	<0.005
10/16/2019	0.0024 (J)					
10/17/2019		0.00046 (J)	0.0015 (J)	<0.005		
10/18/2019					<0.005	0.00041 (J)
3/3/2020	0.0028 (J)	<0.005		0.00048 (J)	<0.005	
3/4/2020			0.0032 (J)			0.00081 (J)
8/11/2020	0.0024 (J)	0.00067 (J)				
8/13/2020			0.0023 (J)			0.00085 (J)
8/14/2020				<0.005	<0.005	
9/22/2020	0.003 (J)		0.0013 (J)			
9/23/2020		<0.005				
9/24/2020				0.00096 (J)	<0.005	0.00084 (J)
3/2/2021	0.0024 (J)	0.00064 (J)	0.0022 (J)			
3/3/2021				0.002 (J)	<0.005	0.0014 (J)
9/9/2021	0.003 (J)	<0.005		<0.005		<0.005
9/10/2021			<0.005		<0.005	
Mean	0.00342	0.003211	0.003467	0.00333	0.004747	0.002187
Std. Dev.	0.002022	0.002268	0.002385	0.002148	0.0009812	0.002075
Upper Lim.	0.005	0.005	0.002136	0.005	0.005	0.005
Lower Lim.	0.0023	0.0005	0.001443	0.0005	0.0012	0.0005

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5	DGWC-8
8/30/2016						<0.005
8/31/2016					<0.005	
9/1/2016			<0.005	<0.005		
9/7/2016		<0.005				
12/6/2016					<0.005	<0.005
12/8/2016		<0.005	<0.005	<0.005		
3/28/2017	0.0005 (J)				<0.005	
3/29/2017						0.0004 (J)
3/30/2017				<0.005		
3/31/2017		0.001 (J)	0.0007 (J)			
5/12/2017	<0.005					
6/15/2017	<0.005					
7/11/2017	<0.005				<0.005	<0.005
7/13/2017		0.0008 (J)	<0.005	0.0007 (J)		
10/24/2017	<0.005					<0.005
10/25/2017		0.0005 (J)			<0.005	
10/26/2017			<0.005	<0.005		
2/27/2018	<0.005				<0.005	<0.005
2/28/2018		<0.005				
3/1/2018			<0.005			
3/2/2018				<0.005		
7/11/2018		<0.005				
7/12/2018			<0.005	<0.005		
11/6/2018	<0.005				<0.005	<0.005
11/7/2018		<0.005	<0.005	<0.005		
8/27/2019	<0.005				<0.005	
8/28/2019		<0.005				<0.005
8/29/2019			<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			
10/18/2019				<0.005		
3/2/2020	<0.005				0.00045 (J)	
3/3/2020						0.00061 (J)
3/4/2020		0.00042 (J)	<0.005	0.0004 (J)		
8/12/2020	<0.005		<0.005		<0.005	0.0028 (J)
8/13/2020		0.0021 (J)		<0.005		
9/22/2020	<0.005	0.001 (J)			<0.005	
9/23/2020			<0.005	<0.005		0.00086 (J)
3/1/2021	<0.005					
3/2/2021					<0.005	0.0015 (J)
3/3/2021		<0.005	<0.005	<0.005		
9/10/2021	<0.005		<0.005	<0.005	<0.005	
9/13/2021		<0.005				<0.005
Mean	0.004679	0.003082	0.004713	0.004407	0.004675	0.003391
Std. Dev.	0.001203	0.002157	0.00111	0.001567	0.001216	0.002002
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.0005	0.0005	0.0007	0.0007	0.00045	0.00086

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-9	B-100	B-104D	B-56	B-62	B-63
8/30/2016	<0.005					
12/6/2016	<0.005					
3/28/2017	0.001 (J)					
7/11/2017	<0.005					
10/24/2017	<0.005					
2/27/2018	<0.005					
7/11/2018	<0.005					
11/6/2018	<0.005					
1/28/2019						<0.005
1/30/2019					<0.005	
8/27/2019	0.00048 (J)					
9/11/2019					<0.005	<0.005
10/17/2019	0.00051 (J)					
10/21/2019					0.00098 (J)	
10/22/2019						0.00064 (J)
3/3/2020	0.0057 (J)					
8/11/2020	0.00061 (J)					
8/13/2020					<0.005	
8/17/2020		<0.005		0.0014 (J)		
9/22/2020	<0.005					
9/24/2020					<0.005	
9/25/2020		0.00094 (J)				
9/28/2020				<0.005		
12/9/2020			0.0011 (J)			
1/12/2021			<0.005			
3/2/2021	0.00059 (J)					
3/3/2021				0.00059 (J)		
3/4/2021			<0.005			
3/8/2021		0.00057 (J)				
3/12/2021					<0.005	
9/9/2021					<0.005	
9/10/2021	<0.005					
9/13/2021		<0.005		<0.005		
9/14/2021			<0.005			<0.005
Mean	0.003593	0.002877	0.004025	0.002997	0.004426	0.00391
Std. Dev.	0.002173	0.002456	0.00195	0.002336	0.001519	0.00218
Upper Lim.	0.0057	0.001223	0.005	0.001914	0.005	0.005
Lower Lim.	0.00059	0.0003828	0.0011	7.551E-05	0.00098	0.00064

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	B-77	B-82	B-88	B-93
9/18/2019	0.00068 (J)			
9/23/2019		0.0011 (J)		
10/21/2019		<0.005		
10/24/2019	<0.005			
8/13/2020	0.0021 (J)			
8/17/2020		<0.005	0.0014 (J)	
8/19/2020				0.00057 (J)
9/24/2020	0.0007 (J)			
9/25/2020			0.00085 (J)	
9/28/2020		<0.005		0.00066 (J)
3/4/2021	0.00098 (J)			
3/5/2021			0.0017 (J)	
3/9/2021				<0.005
9/13/2021			<0.005	
9/14/2021	<0.005	<0.005		
9/15/2021				<0.005
Mean	0.00241	0.00422	0.002237	0.002807
Std. Dev.	0.002072	0.001744	0.001875	0.002532
Upper Lim.	0.001858	0.005	0.002116	0.005
Lower Lim.	0.0005328	0.0011	0.0005176	0.00057

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 2:30 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	0.193	<0.005				
9/1/2016			0.0021 (J)			
9/6/2016				<0.005	0.0042 (J)	
9/7/2016						0.0247
12/6/2016	0.2	0.0006 (J)				
12/7/2016			0.0026 (J)	<0.005	0.0028 (J)	
12/8/2016						0.029
3/29/2017	0.184	<0.005	0.0026 (J)			
3/30/2017				0.0005 (J)	0.0024 (J)	0.0283
7/12/2017	0.177	<0.005	0.0033 (J)	0.0004 (J)	0.002 (J)	0.023
10/24/2017	0.175	<0.005				
10/25/2017			0.0021 (J)		0.0019 (J)	0.0259
11/15/2017				<0.005		
2/27/2018	0.2	<0.005	<0.005			
2/28/2018				<0.005	<0.005	0.02
7/11/2018			0.002 (J)		0.0018 (J)	0.025
11/6/2018	0.2	<0.005				
11/7/2018			<0.01 (J)	<0.005	0.025	<0.01 (J)
8/27/2019	0.13	0.00076 (J)	0.0021 (J)			0.031
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)	
10/18/2019						0.023
3/2/2020		0.00078 (J)	0.029			
3/3/2020	0.18			<0.005	0.0018 (J)	
3/4/2020						0.023
8/11/2020	0.11	0.00055 (J)	0.006			
8/12/2020				<0.005		
8/13/2020					0.0024 (J)	
8/14/2020						0.026
9/22/2020		0.00098 (J)	0.013			
9/23/2020				0.00038 (J)	0.0018 (J)	
9/24/2020	0.086					0.028
3/2/2021		0.00065 (J)		<0.005	0.0013 (J)	
3/3/2021			0.01			0.016
3/4/2021	0.071					
9/9/2021		0.00081 (J)	0.034	<0.005	0.0016 (J)	
9/10/2021	0.076					
9/13/2021						0.019
Mean	0.1537	0.001481	0.008125	0.002056	0.003653	0.02313
Std. Dev.	0.04866	0.0009221	0.009711	0.0008832	0.005947	0.00641
Upper Lim.	0.1888	0.0025	0.013	0.0025	0.0028	0.02716
Lower Lim.	0.1413	0.0006	0.0021	0.0005	0.0016	0.02022

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-19	DGWC-2	DGWC-20	DGWC-21	DGWC-22	DGWC-23
9/1/2016	0.0553					
9/2/2016			0.497	0.0085 (J)	0.0102	
12/7/2016	0.0561		0.614			
12/8/2016				0.0095 (J)	0.0079 (J)	
3/29/2017	0.0534		0.443		0.0097 (J)	
3/30/2017		0.0255		0.0076 (J)		<0.005
5/11/2017		0.0284				
5/12/2017						<0.005
6/15/2017		0.0238				0.0003 (J)
7/11/2017		0.0238				
7/12/2017	0.0489		0.538	0.0092 (J)		<0.005
7/13/2017					0.0106	
10/24/2017		0.0292				
10/25/2017	0.0514		0.432	0.0092 (J)	0.0094 (J)	
10/26/2017						<0.005
2/27/2018		0.042				
2/28/2018	0.0511		0.459	<0.005	<0.005	
3/1/2018						<0.005
7/11/2018	0.051	0.02	0.47	0.0097 (J)		
7/12/2018					0.011	<0.005
11/6/2018		0.024				
11/7/2018	0.048		0.42	<0.01 (J)	<0.01 (J)	
11/8/2018						<0.01 (J)
8/27/2019		0.0088				
8/28/2019	0.048					
8/29/2019			0.66	0.01	0.0094	0.00036 (J)
10/16/2019	0.046					
10/17/2019		0.0084	0.57	0.01		
10/18/2019					0.0084	<0.005
3/3/2020	0.054	0.0073		0.01	0.0098	
3/4/2020			0.84			0.00043 (J)
8/11/2020	0.049	0.0064				
8/13/2020			0.73			0.00048 (J)
8/14/2020				0.0098	0.0087	
9/22/2020	0.051		0.47			
9/23/2020		0.0062				
9/24/2020				0.01	0.01	<0.005
3/2/2021	0.051	0.0055	0.77			
3/3/2021				0.0087	0.0078	0.00039 (J)
9/9/2021	0.055	0.0048 (J)		0.0096		0.00049 (J)
9/10/2021			0.45		0.0076	
Mean	0.05128	0.01761	0.5575	0.00862	0.008533	0.00183
Std. Dev.	0.002996	0.01155	0.1355	0.002141	0.002244	0.001357
Upper Lim.	0.05331	0.0284	0.6394	0.009773	0.009945	0.005
Lower Lim.	0.04925	0.0062	0.4659	0.008552	0.007492	0.00039

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5	DGWC-8
8/30/2016						0.0568
8/31/2016					0.055	
9/1/2016			0.536	0.539		
9/7/2016		0.0695				
12/6/2016					0.0432	0.0873
12/8/2016		0.0652	0.381	0.575		
3/28/2017	0.0018 (J)				0.04	
3/29/2017						0.0902
3/30/2017				0.573		
3/31/2017		0.0524	0.354			
5/12/2017	0.0015 (J)					
6/15/2017	0.0015 (J)					
7/11/2017	0.0015 (J)				0.0351 (J)	0.0601
7/13/2017		0.0481	0.396	0.531		
10/24/2017	0.0017 (J)					0.123
10/25/2017		0.0435			0.0209	
10/26/2017			0.383	0.482		
2/27/2018	<0.005				0.024	0.126
2/28/2018		0.0167				
3/1/2018			0.401			
3/2/2018				0.49		
7/11/2018		0.019				
7/12/2018			0.36	0.46		
11/6/2018	<0.01 (J)				0.019	0.077
11/7/2018		0.02	0.35	0.48		
8/27/2019	0.0018 (J)				0.02	
8/28/2019		0.029				0.051
8/29/2019			0.28	0.42		
10/15/2019	0.0018 (J)					
10/16/2019					0.022	0.054
10/17/2019		0.03	0.26			
10/18/2019				0.41		
3/2/2020	0.0021 (J)				0.028	
3/3/2020						0.044
3/4/2020		0.014	0.28	0.42		
8/12/2020	0.0018 (J)		0.21		0.021	0.053
8/13/2020		0.025		0.35		
9/22/2020	0.0014 (J)	0.014			0.02	
9/23/2020			0.17	0.37		0.04
3/1/2021	0.002 (J)					
3/2/2021					0.021	0.033
3/3/2021		0.0087	0.2	0.36		
9/10/2021	0.0019 (J)		0.23	0.36	0.022	
9/13/2021		0.008				0.028
Mean	0.002021	0.03087	0.3194	0.4547	0.02794	0.06596
Std. Dev.	0.000904	0.02013	0.09792	0.07771	0.01109	0.03083
Upper Lim.	0.0021	0.04451	0.3858	0.5073	0.04	0.0878
Lower Lim.	0.0015	0.01723	0.253	0.402	0.02	0.04412

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-9	B-102D	B-104D	B-111D	B-56	B-62
8/30/2016	0.0896					
12/6/2016	0.122					
3/28/2017	0.124					
7/11/2017	0.136					
10/24/2017	0.151					
2/27/2018	0.163					
7/11/2018	0.18					
11/6/2018	0.2					
1/30/2019						<0.005
8/27/2019	0.24					
9/11/2019						0.0003 (J)
10/17/2019	0.21					
10/21/2019						0.00031 (J)
3/3/2020	0.2					
8/11/2020	0.22					
8/13/2020						<0.005
8/17/2020					0.042	
9/22/2020	0.16					
9/24/2020						<0.005
9/28/2020					0.042	
12/9/2020			0.17	0.00076 (J)		
12/17/2020		0.014				
1/11/2021		0.015				
1/12/2021			0.19	0.0007 (J)		
3/2/2021	0.18					
3/3/2021					0.05	
3/4/2021		0.014	0.19			
3/5/2021				0.00052 (J)		
3/12/2021						<0.005
9/9/2021						<0.005
9/10/2021	0.21	0.013				
9/13/2021					0.047	
9/14/2021			0.1	<0.005		
Mean	0.1724	0.014	0.1625	0.00112	0.04525	0.001873
Std. Dev.	0.04231	0.0008165	0.04272	0.0009256	0.003948	0.001071
Upper Lim.	0.201	0.01585	0.2361	0.0009228	0.05421	0.0025
Lower Lim.	0.1437	0.01215	-0.01451	0.0004439	0.03629	0.0003

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

	B-63	B-66	B-82	B-93
1/28/2019	0.053			
1/30/2019		<0.005		
9/11/2019	0.043			
9/12/2019		0.006		
9/23/2019			0.0038 (J)	
10/21/2019		0.0074	0.0089	
10/22/2019	0.046			
12/19/2019				0.066
8/17/2020			0.0028 (J)	
8/19/2020				0.068
9/28/2020			0.0053	0.064
3/9/2021				0.061
3/12/2021	0.046	0.01	0.0021 (J)	
9/14/2021	0.037	0.012	0.0015 (J)	
9/15/2021				0.062
Mean	0.045	0.00758	0.004067	0.0642
Std. Dev.	0.005788	0.003665	0.002721	0.002864
Upper Lim.	0.0547	0.01241	0.007804	0.069
Lower Lim.	0.0353	0.003754	0.0003291	0.0594

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 2:30 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)					
Mean	1.284	0.9694	0.8984	1.26	0.8972	1.118
Std. Dev.	0.314	0.4467	0.714	0.3303	0.303	0.8748
Upper Lim.	1.497	1.272	1.27	1.484	1.103	1.553
Lower Lim.	1.071	0.6667	0.4013	1.036	0.6919	0.551

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 2:30 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)					
Mean	0.8113	0.7733	1.168	1.21	0.8557	1.049
Std. Dev.	0.3526	0.3942	0.4067	0.4913	0.3972	0.4659
Upper Lim.	1.05	1.04	1.444	1.543	1.125	1.364
Lower Lim.	0.5723	0.5062	0.8924	0.8767	0.5866	0.733

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 2:30 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)			
Mean	1.133	1.454	0.9499	2.344	2.03	1.431
Std. Dev.	0.5259	0.3939	0.3231	0.8249	0.6435	0.6015
Upper Lim.	1.489	1.721	1.169	2.903	2.415	1.839
Lower Lim.	0.7765	1.187	0.7309	1.785	1.602	1.024

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-104D	B-111D	B-56	B-62
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				
1/30/2019						1.97 (U)
8/27/2019		1.55				
8/28/2019	0.815 (U)					
10/16/2019	0.999 (U)					
10/17/2019		0.702 (U)				
10/21/2019						1.82
3/3/2020	0.481 (U)	1.37				
8/11/2020		0.819 (U)				
8/12/2020	0.721 (U)					
8/13/2020						1.63
8/17/2020					1.15 (U)	
9/22/2020		1.15 (U)				
9/23/2020	0.8 (U)					
9/24/2020						1.28 (U)
9/28/2020					1.39	
12/9/2020			15.2	12.3		
1/12/2021			17	9.63		
3/2/2021	0.751 (U)	1.29 (U)				
3/3/2021					1.01 (U)	
3/4/2021			14.5			
3/5/2021				9.05		
3/12/2021						1.18 (U)
9/9/2021						1.7
9/10/2021		1.28				
9/13/2021	0.916 (U)				0.854 (U)	
9/14/2021			9.6	4.39		
Mean	0.6602	1.196	14.08	8.843	1.101	1.597
Std. Dev.	0.2668	0.3583	3.164	3.288	0.2275	0.3082
Upper Lim.	0.841	1.439	21.26	16.31	1.617	2.02
Lower Lim.	0.4794	0.9531	6.892	1.377	0.5846	1.173

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	B-82	B-93
10/21/2019	0.63 (U)	
8/17/2020	0.662 (U)	
8/19/2020		1.19 (U)
9/28/2020	0.747 (U)	1.54
3/9/2021		0.786 (U)
9/14/2021	1.03 (U)	
9/15/2021		1.84
Mean	0.7673	1.339
Std. Dev.	0.182	0.4544
Upper Lim.	1.18	2.371
Lower Lim.	0.3541	0.3074

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 2:30 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	0.06 (J)			0.06 (J)	
9/1/2016			0.02 (J)			
9/6/2016				0.17 (J)		0.11 (J)
12/6/2016	1.3	0.06 (J)			0.1 (J)	
12/7/2016			0.16 (J)	0.3		0.11 (J)
3/29/2017	1.5	0.04 (J)	0.1 (J)		0.02 (J)	
3/30/2017				0.12 (J)		<0.1
7/12/2017	1.7	0.03 (J)	0.2 (J)	0.13 (J)	<0.1	0.07 (J)
10/24/2017	2.1	<0.1				
10/25/2017			0.6		<0.1	0.26 (J)
11/15/2017	1.4			0.44		
2/27/2018	2.3	<0.1	0.34		<0.1	
2/28/2018				0.18		<0.1
7/11/2018			<0.1		<0.1	<0.1
11/6/2018	2	<0.1				
11/7/2018			<0.3 (J)	<0.3 (J)	<0.1	<0.1
3/12/2019	1.7	0.052 (J)	0.065 (J)			
3/13/2019				0.13 (J)	0.042 (J)	
3/14/2019						0.057 (J)
8/27/2019	1.4	<0.1	<0.1		<0.1	
8/28/2019				0.091 (J)		<0.1
10/15/2019	1.4	<0.1	<0.1			
10/16/2019				0.14 (J)	0.052 (J)	
10/17/2019						0.079 (J)
3/2/2020		0.064 (J)	0.071 (J)			
3/3/2020	1.5			0.078 (J)	<0.1	<0.1
8/11/2020	1.4	<0.1	<0.1		<0.1	
8/12/2020				0.051 (J)		
8/13/2020						<0.1
9/22/2020		<0.1	<0.1		<0.1	
9/23/2020				0.058 (J)		<0.1
9/24/2020	0.97					
3/2/2021		<0.1		0.084 (J)	<0.1	<0.1
3/3/2021			0.085 (J)			
3/4/2021	1.8					
9/9/2021		<0.1	0.099 (J)	0.083 (J)	<0.1	<0.1
9/10/2021	2.2					
Mean	1.604	0.0804	0.1588	0.157	0.08588	0.1054
Std. Dev.	0.3955	0.0261	0.1448	0.1093	0.02643	0.04361
Upper Lim.	1.862	0.1	0.1641	0.2134	0.1	0.11
Lower Lim.	1.347	0.052	0.05529	0.08589	0.052	0.079

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 2:30 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		0.75				
9/2/2016				0.66	0.07 (J)	0.3
9/7/2016	0.32					
12/7/2016		0.37		0.66		
12/8/2016	0.31				0.14 (J)	0.12 (J)
3/29/2017		0.35		0.34		0.11 (J)
3/30/2017	0.1 (J)		0.06 (J)		<0.1	
5/11/2017			0.06 (J)			
6/15/2017			0.07 (J)			
7/11/2017			0.04 (J)			
7/12/2017	0.27 (J)	0.34		0.41	0.04 (J)	
7/13/2017						0.09 (J)
10/24/2017			0.43			
10/25/2017	0.49	0.9		0.68	0.34	0.25 (J)
2/27/2018			0.28			
2/28/2018	0.54	1.2		0.76	<0.1	<0.1
7/11/2018	0.15 (J)	0.37	0.6	1.3	<0.1	
7/12/2018						0.13 (J)
11/6/2018			<0.1			
11/7/2018	<0.3 (J)	<0.3 (J)		<0.3 (J)	<0.1	<0.1
3/12/2019			0.052 (J)			
3/13/2019	0.084 (J)	0.22 (J)		0.45	0.043 (J)	
3/14/2019						0.042 (J)
8/27/2019	0.24 (J)		<0.1			
8/28/2019		0.2				
8/29/2019				0.78	0.079 (J)	0.054 (J)
10/16/2019		0.23 (J)				
10/17/2019			0.042 (J)	0.26 (J)	<0.1	
10/18/2019	0.086 (J)					<0.1
3/3/2020		0.056 (J)	<0.1		<0.1	<0.1
3/4/2020	<0.1			1.5		
8/11/2020		0.2	<0.1			
8/13/2020				0.9		
8/14/2020	0.069 (J)				<0.1	<0.1
9/22/2020		0.084 (J)		0.15		
9/23/2020			<0.1			
9/24/2020	0.056 (J)				<0.1	<0.1
3/2/2021		0.19	<0.1	1.4		
3/3/2021	0.085 (J)				<0.1	<0.1
9/9/2021		0.18	0.053 (J)		<0.1	
9/10/2021				0.25		<0.1
9/13/2021	0.063 (J)					
Mean	0.2039	0.3713	0.1429	0.675	0.107	0.1185
Std. Dev.	0.1552	0.313	0.1586	0.4218	0.06664	0.06532
Upper Lim.	0.2722	0.5135	0.28	0.9494	0.14	0.13
Lower Lim.	0.09774	0.1749	0.052	0.4006	0.07	0.09

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 2:30 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						1
9/1/2016				1.8	1.5	
9/7/2016			0.02 (J)			
12/6/2016						0.76
12/8/2016			0.06 (J)	1.1	1.6	
3/28/2017		0.17 (J)				1.2
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
7/12/2017	0.22 (J)					
7/13/2017			<0.1	0.84	1.1	
10/24/2017		<0.1				
10/25/2017			<0.1			1.4
10/26/2017	0.66			1	1.7	
11/15/2017		0.79				
2/27/2018		<0.1				1.3
2/28/2018			<0.1			
3/1/2018	0.18			1.4		
3/2/2018					1.1	
7/11/2018			<0.1			
7/12/2018	0.25 (J)			0.96	0.65	
11/6/2018		<0.1				<0.3 (J)
11/7/2018			<0.1	0.74	0.63	
11/8/2018	<0.3 (J)					
3/12/2019		0.082 (J)				0.31
3/14/2019	0.092 (J)		<0.1	1.6	1.4	
8/27/2019		<0.1				0.32
8/28/2019			<0.1			
8/29/2019	0.095 (J)			0.52	0.78	
10/15/2019		<0.1				
10/16/2019						0.32
10/17/2019			<0.1	0.46		
10/18/2019	0.079 (J)				0.46	
3/2/2020		<0.1				0.33
3/4/2020	0.075 (J)		<0.1	0.74	0.7	
8/12/2020		<0.1		0.22		0.13
8/13/2020	0.1		<0.1		0.47	
9/22/2020		<0.1	<0.1			0.12
9/23/2020				0.11	0.32	
9/24/2020	0.075 (J)					
3/1/2021		<0.1				
3/2/2021						0.15
3/3/2021	0.063 (J)		<0.1	0.71	0.67	
9/9/2021	0.084 (J)					
9/10/2021		<0.1		0.22	0.47	0.16
9/13/2021			<0.1			
Mean	0.1852	0.1364	0.0925	0.8313	0.9006	0.5667
Std. Dev.	0.1558	0.1776	0.02176	0.4835	0.4445	0.4567
Upper Lim.	0.2262	0.17	0.1	1.146	1.19	0.7808
Lower Lim.	0.09243	0.082	0.06	0.5167	0.6114	0.2378

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-102D	B-104D	B-111D	B-62
8/30/2016	0.39	0.78				
12/6/2016	0.47	1.1				
3/28/2017		1.1				
3/29/2017	0.51					
7/11/2017	0.2 (J)	1.1				
10/24/2017	0.82	1.7				
2/27/2018	0.59	1.2				
7/11/2018		1.3				
11/6/2018	0.35	1.1				
1/30/2019						0.43
3/12/2019	0.35	0.97				
8/27/2019		0.68				
8/28/2019	0.098 (J)					
10/16/2019	0.14 (J)					
10/17/2019		1.2				
10/21/2019						0.23 (J)
3/3/2020	<0.1	1.4				
8/11/2020		1.3				
8/12/2020	0.056 (J)					
8/13/2020						0.11
9/22/2020		0.99				
9/23/2020	<0.1					
9/24/2020						0.093 (J)
12/9/2020				0.33	0.33	
12/17/2020			0.079 (J)			
1/11/2021			0.077 (J)			
1/12/2021				0.36	0.32	
3/2/2021	0.059 (J)	0.93				
3/4/2021			0.11	0.43		
3/5/2021					0.51	
3/12/2021						0.11
9/9/2021						0.14
9/10/2021		2	0.083 (J)			
9/13/2021	0.069 (J)					
9/14/2021				0.5	0.57	
Mean	0.2868	1.178	0.08725	0.405	0.4325	0.1855
Std. Dev.	0.2338	0.3265	0.01537	0.07594	0.1266	0.1295
Upper Lim.	0.4095	1.391	0.11	0.5774	0.7199	0.3546
Lower Lim.	0.1193	0.9657	0.077	0.2326	0.1451	0.06003

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

	B-77	B-83	B-93
10/21/2019		0.13 (J)	
10/24/2019	0.096 (J)		
8/13/2020	<0.1		
8/14/2020		0.05 (J)	
8/19/2020			0.32
9/24/2020	<0.1		
9/25/2020		<0.1	
9/28/2020			0.3
3/4/2021	<0.1	0.071 (J)	
3/9/2021			0.34
9/14/2021	0.078 (J)		
9/15/2021			0.34
9/16/2021		0.066 (J)	
Mean	0.0948	0.0834	0.325
Std. Dev.	0.00955	0.0317	0.01915
Upper Lim.	0.1	0.1232	0.3685
Lower Lim.	0.078	0.02857	0.2815

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/8/2021 2:30 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	<0.001	<0.001			<0.001	
9/1/2016			<0.001			
9/6/2016				<0.001		<0.001
12/6/2016	<0.001	<0.001			<0.001	
12/7/2016			<0.001	<0.001		0.0002 (J)
3/29/2017	<0.001	<0.001	<0.001		<0.001	
3/30/2017				0.0002 (J)		0.0001 (J)
7/12/2017	<0.001	<0.001	<0.001	<0.001	<0.001	0.0001 (J)
10/24/2017	<0.001	<0.001				
10/25/2017			<0.001		<0.001	<0.001
11/15/2017				<0.001		
2/27/2018	<0.001	<0.001	<0.001		<0.001	
2/28/2018				<0.001		<0.001
7/11/2018			<0.001		<0.001	<0.001
11/6/2018	<0.001	<0.001				
11/7/2018			<0.001	<0.001	<0.001	<0.001
8/27/2019	0.00024 (J)	0.00012 (J)	0.0001 (J)		<0.001	
8/28/2019				<0.001		5.9E-05 (J)
9/17/2019			<0.001			
10/15/2019	0.00014 (J)	7.6E-05 (J)	<0.001			
10/16/2019				<0.001	<0.001	
10/17/2019						<0.001
3/2/2020		0.00015 (J)	<0.001			
3/3/2020	0.00011 (J)			<0.001	<0.001	<0.001
8/11/2020	7E-05 (J)	5.3E-05 (J)	<0.001		9.6E-05 (J)	
8/12/2020				<0.001		
8/13/2020						0.0012 (J)
9/22/2020		0.0001 (J)	0.00011 (J)		4.4E-05 (J)	
9/23/2020				9.8E-05 (J)		8.2E-05 (J)
9/24/2020	0.00013 (J)					
3/2/2021		<0.001		<0.001	8.3E-05 (J)	<0.001
3/3/2021			<0.001			
3/4/2021	9.2E-05 (J)					
9/9/2021		<0.001	<0.001	<0.001	<0.001	<0.001
9/10/2021	<0.001					
Mean	0.0006273	0.0006785	0.0008881	0.0008784	0.0008149	0.0007161
Std. Dev.	0.0004481	0.0004481	0.0003057	0.0003097	0.0003834	0.0004487
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.0012
Lower Lim.	0.00011	0.0001	0.00011	0.0002	9.6E-05	0.0001

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/8/2021 2:30 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-23
9/1/2016		<0.001				
9/2/2016				<0.001	0.0002 (J)	
9/7/2016	<0.001					
12/7/2016		<0.001		<0.001		
12/8/2016	<0.001				<0.001	
3/29/2017		<0.001		<0.001		
3/30/2017	0.0001 (J)		0.0001 (J)		0.0004 (J)	<0.001
5/11/2017			9E-05 (J)			
5/12/2017						<0.001
6/15/2017			0.0001 (J)			<0.001
7/11/2017			<0.001			
7/12/2017	<0.001	<0.001		<0.001	0.0001 (J)	<0.001
10/24/2017			<0.001			
10/25/2017	<0.001	<0.001		<0.001	<0.001	
10/26/2017						<0.001
2/27/2018			<0.001			
2/28/2018	<0.001	<0.001		<0.001	<0.001	
3/1/2018						<0.001
7/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001	
7/12/2018						<0.001
11/6/2018			<0.001			
11/7/2018	<0.001	<0.001		<0.001	<0.001	
11/8/2018						<0.001
8/27/2019	9E-05 (J)		6E-05 (J)			
8/28/2019		0.00026 (J)				
8/29/2019				0.00015 (J)	0.00023 (J)	6.6E-05 (J)
10/16/2019		<0.001				
10/17/2019			8.6E-05 (J)	9.7E-05 (J)	4.6E-05 (J)	
10/18/2019	7.4E-05 (J)					<0.001
3/3/2020		7E-05 (J)	<0.001		0.00015 (J)	
3/4/2020	0.00013 (J)			0.00068 (J)		<0.001
8/11/2020		5.3E-05 (J)	6.4E-05 (J)			
8/13/2020				0.00044 (J)		<0.001
8/14/2020	0.00017 (J)				<0.001	
9/22/2020		0.00016 (J)		0.00013 (J)		
9/23/2020			9.4E-05 (J)			
9/24/2020	7.9E-05 (J)				0.00014 (J)	<0.001
3/2/2021		4.5E-05 (J)	0.00014 (J)	0.00047 (J)		
3/3/2021	0.00015 (J)				<0.001	<0.001
9/9/2021		<0.001	<0.001		<0.001	<0.001
9/10/2021				<0.001		
9/13/2021	<0.001					
Mean	0.0005862	0.0007059	0.0005156	0.0007311	0.0006177	0.0009377
Std. Dev.	0.0004585	0.0004334	0.0004693	0.0003691	0.0004296	0.0002412
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.001
Lower Lim.	9E-05	7E-05	8.6E-05	0.00015	0.00014	6.6E-05

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5	DGWC-8
8/30/2016						<0.001
8/31/2016					0.0002 (J)	
9/1/2016			0.0005 (J)	0.0008 (J)		
9/7/2016		0.0002 (J)				
12/6/2016					0.0004 (J)	<0.001
12/8/2016		0.0002 (J)	<0.001	0.0019 (J)		
3/28/2017	0.0002 (J)				<0.001	
3/29/2017						0.0001 (J)
3/30/2017				0.0035 (J)		
3/31/2017		0.0004 (J)	0.0009 (J)			
5/12/2017	<0.001					
6/15/2017	<0.001					
7/11/2017	<0.001				<0.001	<0.001
7/13/2017		0.0004 (J)	0.0007 (J)	0.002 (J)		
10/24/2017	<0.001					<0.001
10/25/2017		0.0002 (J)			0.0024 (J)	
10/26/2017			0.0009 (J)	0.0022 (J)		
2/27/2018	<0.001				<0.001	<0.001
2/28/2018		<0.001				
3/1/2018			<0.001			
3/2/2018				<0.001		
7/11/2018		0.00052 (J)				
7/12/2018			0.001 (J)	0.0014 (J)		
11/6/2018	<0.001				<0.001	<0.001
11/7/2018		<0.005 (J)	<0.005 (J)	<0.005 (J)		
8/27/2019	4.9E-05 (J)				5.1E-05 (J)	
8/28/2019		0.00036 (J)				8.2E-05 (J)
8/29/2019			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)			
10/18/2019				0.00095 (J)		
3/2/2020	<0.001				5.1E-05 (J)	
3/3/2020						0.00023 (J)
3/4/2020		0.0001 (J)	0.00088 (J)	0.0012 (J)		
8/12/2020	<0.001		0.0004 (J)		6.3E-05 (J)	0.0007 (J)
8/13/2020		0.0016 (J)		0.00092 (J)		
9/22/2020	<0.001	0.00074 (J)			4.8E-05 (J)	
9/23/2020			0.00053 (J)	0.001 (J)		0.00011 (J)
3/1/2021	0.00012 (J)					
3/2/2021					8E-05 (J)	0.00027 (J)
3/3/2021		0.00024 (J)	0.0007 (J)	0.0011		
9/10/2021	<0.001		<0.001	0.00099 (J)	<0.001	
9/13/2021		<0.001				<0.001
Mean	0.0007478	0.0008147	0.001081	0.001664	0.0005984	0.0006273
Std. Dev.	0.0004149	0.001228	0.001106	0.001169	0.0006777	0.0004132
Upper Lim.	0.001	0.0004678	0.0011	0.0022	0.001	0.001
Lower Lim.	0.00012	0.0001549	0.00053	0.00095	5.1E-05	0.00011

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-9	B-100	B-102D	B-104D	B-111D	B-56
8/30/2016	<0.001					
12/6/2016	<0.001					
3/28/2017	<0.001					
7/11/2017	<0.001					
10/24/2017	<0.001					
2/27/2018	<0.001					
7/11/2018	<0.001					
11/6/2018	<0.001					
8/27/2019	<0.001					
10/17/2019	<0.001					
3/3/2020	0.00017 (J)					
8/11/2020	<0.001					
8/17/2020		8.8E-05 (J)				0.00022 (J)
9/22/2020	0.00015 (J)					
9/25/2020		0.00021 (J)				
9/28/2020						9.1E-05 (J)
12/9/2020				5.1E-05 (J)	5.8E-05 (J)	
12/17/2020			3.7E-05 (J)			
1/11/2021			5E-05 (J)			
1/12/2021				<0.001	5.1E-05 (J)	
3/2/2021	0.00028 (J)					
3/3/2021						0.0001 (J)
3/4/2021			5.9E-05 (J)	<0.001		
3/5/2021					<0.001	
3/8/2021		0.00018 (J)				
9/10/2021	<0.001		<0.001			
9/13/2021		<0.001				<0.001
9/14/2021				<0.001	<0.001	
Mean	0.00084	0.0003695	0.0002865	0.0007628	0.0005273	0.0003528
Std. Dev.	0.0003323	0.0004235	0.0004758	0.0004745	0.0005459	0.0004355
Upper Lim.	0.001	0.0003036	0.001	0.001	0.001	0.0002854
Lower Lim.	0.00028	5.528E-05	3.7E-05	5.1E-05	5.1E-05	3.627E-05

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

	B-63	B-82	B-88	B-93
1/28/2019	<0.001			
9/11/2019	4.7E-05 (J)			
9/23/2019		0.00016 (J)		
10/21/2019		<0.001		
10/22/2019	7.3E-05 (J)			
8/17/2020		5.9E-05 (J)	0.00081 (J)	
8/19/2020				0.00012 (J)
9/25/2020			0.00035 (J)	
9/28/2020		0.00011 (J)		0.00012 (J)
3/5/2021			0.012	
3/9/2021				<0.001
9/13/2021			<0.001	
9/14/2021	<0.001	<0.001		
9/15/2021				<0.001
Mean	0.00053	0.0004658	0.00354	0.00056
Std. Dev.	0.0005428	0.000489	0.005647	0.0005081
Upper Lim.	0.001	0.0001911	0.02767	0.001
Lower Lim.	4.7E-05	4.858E-05	4.865E-05	0.00012

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 2:30 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	0.0022 (J)	0.0022 (J)			0.0031 (J)	
9/1/2016			<0.03			
9/6/2016				0.0029 (J)		0.0064 (J)
12/6/2016	<0.03	0.0027 (J)			0.0042 (J)	
12/7/2016			<0.03	0.003 (J)		0.0066 (J)
3/29/2017	0.002 (J)	0.0021 (J)	<0.03		0.0041 (J)	
3/30/2017				0.0035 (J)		0.0061 (J)
7/12/2017	0.0019 (J)	0.0022 (J)	<0.03	0.0028 (J)	0.0036 (J)	0.006 (J)
10/24/2017	0.0022 (J)	0.0024 (J)				
10/25/2017			<0.03		0.0032 (J)	0.0061 (J)
11/15/2017				0.0028 (J)		
2/27/2018	0.0037 (J)	0.0022 (J)	0.00097 (J)		0.0035 (J)	
2/28/2018				<0.03		0.0062 (J)
7/11/2018			<0.03		0.0034 (J)	0.0058 (J)
11/6/2018	<0.03	<0.03				
11/7/2018			<0.03	<0.03	<0.03	<0.05 (O)
8/27/2019	0.0053 (J)	0.0023 (J)	0.0011 (J)		0.0038 (J)	
8/28/2019				0.0033 (J)		0.0063 (J)
9/17/2019			0.0011 (J)			
10/15/2019	0.0051 (J)	0.0019 (J)	0.00091 (J)			
10/16/2019				0.0029 (J)	0.0032 (J)	
10/17/2019						0.0064 (J)
3/2/2020		0.0023 (J)	<0.03			
3/3/2020	0.0049 (J)			0.0035 (J)	0.008 (J)	0.0059 (J)
8/11/2020	0.0033 (J)	0.0028 (J)	0.0011 (J)		0.0035 (J)	
8/12/2020				0.0034 (J)		
8/13/2020						0.0089 (J)
9/22/2020		0.0019 (J)	<0.03		0.0038 (J)	
9/23/2020				0.0033 (J)		0.006 (J)
9/24/2020	0.0049 (J)					
3/2/2021		0.0017 (J)		0.0033 (J)	0.004 (J)	0.0051 (J)
3/3/2021			<0.03			
3/4/2021	0.0042 (J)					
9/9/2021		0.0029 (J)	<0.03	0.0036 (J)	0.0044 (J)	0.0057 (J)
9/10/2021	0.0051 (J)					
Mean	0.005343	0.003186	0.01064	0.004879	0.00472	0.00625
Std. Dev.	0.004279	0.003418	0.006685	0.004297	0.003078	0.0008465
Upper Lim.	0.006793	0.0028	0.015	0.0036	0.0044	0.0066
Lower Lim.	0.002702	0.0019	0.0011	0.0029	0.0032	0.0058

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Constituent: Lithium (mg/L) Analysis Run 11/8/2021 2:30 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		0.0034 (J)				
9/2/2016				0.0021 (J)	0.0057 (J)	0.0046 (J)
9/7/2016	<0.03					
12/7/2016		0.0034 (J)		0.005 (J)		
12/8/2016	<0.03				0.0054 (J)	0.0047 (J)
3/29/2017		0.0031 (J)		0.0021 (J)		0.0043 (J)
3/30/2017	<0.03		0.0807		0.0065 (J)	
5/11/2017			0.085			
6/15/2017			0.0781			
7/11/2017			0.0731			
7/12/2017	<0.03	0.0032 (J)		0.0019 (J)	0.0057 (J)	
7/13/2017						0.0044 (J)
10/24/2017			0.0995			
10/25/2017	<0.03	0.0031 (J)		0.0022 (J)	0.006 (J)	0.0042 (J)
2/27/2018			0.0875			
2/28/2018	<0.03	0.0031 (J)		0.0019 (J)	0.0061 (J)	0.0043 (J)
7/11/2018	<0.03	0.0034 (J)	0.033 (J)	0.0022 (J)	0.0057 (J)	
7/12/2018						0.0036 (J)
11/6/2018			<0.03			
11/7/2018	<0.03	<0.03		<0.03	<0.03	<0.03
8/27/2019	0.00089 (J)		0.032			
8/28/2019		0.0032 (J)				
8/29/2019				0.0093 (J)	0.0061 (J)	0.0035 (J)
10/16/2019		0.0026 (J)				
10/17/2019			0.029 (J)	0.0075 (J)	0.0063 (J)	
10/18/2019	0.00096 (J)					0.0041 (J)
3/3/2020		0.0034 (J)	0.026 (J)		0.0065 (J)	0.0046 (J)
3/4/2020	0.0011 (J)			0.019 (J)		
8/11/2020		0.0031 (J)	0.028 (J)			
8/13/2020				0.012 (J)		
8/14/2020	0.0015 (J)				0.0058 (J)	0.0039 (J)
9/22/2020		0.0034 (J)		0.0026 (J)		
9/23/2020			0.022 (J)			
9/24/2020	0.00096 (J)				0.0062 (J)	0.0037 (J)
3/2/2021		0.003 (J)	0.023 (J)	0.011 (J)		
3/3/2021	0.0011 (J)				0.0054 (J)	0.0038 (J)
9/9/2021		0.0035 (J)	0.024 (J)		0.006 (J)	
9/10/2021				0.0023 (J)		0.0039 (J)
9/13/2021	<0.03					
Mean	0.009434	0.003993	0.04906	0.006407	0.00656	0.00484
Std. Dev.	0.007057	0.003053	0.03031	0.005611	0.00236	0.002836
Upper Lim.	0.015	0.0035	0.085	0.012	0.0065	0.0046
Lower Lim.	0.00096	0.003	0.023	0.0021	0.0057	0.0037

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 2:30 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						0.0026 (J)
9/1/2016				0.0854	0.125	
9/7/2016			0.012 (J)			
12/6/2016						0.0046 (J)
12/8/2016			0.0118 (J)	0.0667	0.122	
3/28/2017		0.0031 (J)				0.0028 (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)
7/12/2017	0.0068 (J)					
7/13/2017			0.0116 (J)	0.0743	0.143	
10/24/2017		0.0024 (J)				
10/25/2017			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)
2/28/2018			0.0122 (J)			
3/1/2018	0.0759			0.0772		
3/2/2018					0.129	
7/11/2018			0.01 (J)			
7/12/2018	0.0047 (J)			0.073	0.12	
11/6/2018		<0.03				<0.03
11/7/2018			<0.03	0.082	0.12	
11/8/2018	<0.03					
8/27/2019		0.0033 (J)				0.008 (J)
8/28/2019			0.01 (J)			
8/29/2019	0.0017 (J)			0.056	0.11	
10/15/2019		0.0029 (J)				
10/16/2019						0.006 (J)
10/17/2019			0.011 (J)	0.066		
10/18/2019	0.0039 (J)				0.11	
3/2/2020		0.0035 (J)				0.0079 (J)
3/4/2020	0.004 (J)		0.0091 (J)	0.063	0.12	
8/12/2020		0.0031 (J)		0.054		0.0067 (J)
8/13/2020	0.0052 (J)		0.011 (J)		0.098	
9/22/2020		0.0026 (J)	0.0099 (J)			0.0065 (J)
9/23/2020				0.046	0.1	
9/24/2020	0.0045 (J)					
3/1/2021		0.0035 (J)				
3/2/2021						0.0064 (J)
3/3/2021	0.014 (J)		0.0079 (J)	0.049	0.096	
9/9/2021	0.0081 (J)					
9/10/2021		0.0035 (J)		0.053	0.095	0.0071 (J)
9/13/2021			0.015 (J)			
Mean	0.01165	0.003786	0.01137	0.06622	0.1165	0.006343
Std. Dev.	0.01832	0.003256	0.001928	0.01232	0.01544	0.003062
Upper Lim.	0.01279	0.0035	0.01268	0.07457	0.1269	0.008199
Lower Lim.	0.003816	0.0025	0.01007	0.05787	0.106	0.004206

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Constituent: Lithium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-8	DGWC-9	B-100	B-102D	B-104D	B-56
8/30/2016	0.005 (J)	0.0212 (J)				
12/6/2016	0.0066 (J)	0.0242 (J)				
3/28/2017		0.0249 (J)				
3/29/2017	0.0059 (J)					
7/11/2017	0.0045 (J)	0.022 (J)				
10/24/2017	0.0072 (J)	0.0281 (J)				
2/27/2018	0.0075 (J)	0.031 (J)				
7/11/2018		0.028 (J)				
11/6/2018	<0.03	<0.03				
8/27/2019		0.031				
8/28/2019	0.0048 (J)					
10/16/2019	0.0045 (J)					
10/17/2019		0.029 (J)				
3/3/2020	0.0052 (J)	0.028 (J)				
8/11/2020		0.032				
8/12/2020	0.0058 (J)					
8/17/2020			0.0013 (J)			0.0056 (J)
9/22/2020		0.025 (J)				
9/23/2020	0.0045 (J)					
9/25/2020			0.0027 (J)			
9/28/2020						0.005 (J)
12/9/2020					0.039 (J)	
12/17/2020				0.012 (J)		
1/11/2021				0.015 (J)		
1/12/2021					0.039	
3/2/2021	0.0046 (J)	0.028 (J)				
3/3/2021						0.0051 (J)
3/4/2021				0.014 (J)	0.038	
3/8/2021			0.0024 (J)			
9/10/2021		0.027 (J)		0.012 (J)		
9/13/2021	0.0034 (J)		0.0022 (J)			0.0055 (J)
9/14/2021					0.036	
Mean	0.006036	0.02629	0.00215	0.01325	0.038	0.0053
Std. Dev.	0.002823	0.004445	0.0006028	0.0015	0.001414	0.0002944
Upper Lim.	0.0072	0.02931	0.003519	0.01666	0.04121	0.005968
Lower Lim.	0.0045	0.02328	0.0007815	0.009844	0.03479	0.004632

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	B-62	B-63	B-83	B-93
1/28/2019		<0.03		
1/30/2019	<0.03			
9/11/2019	0.0078 (J)	0.0064 (J)		
10/21/2019	0.0078 (J)		0.003 (J)	
10/22/2019		0.0062 (J)		
8/13/2020	0.0087 (J)			
8/14/2020			0.0045 (J)	
8/19/2020				0.011 (J)
9/24/2020	0.0084 (J)			
9/25/2020			0.0018 (J)	
9/28/2020				0.011 (J)
3/4/2021			0.0024 (J)	
3/9/2021				0.012 (J)
3/12/2021	0.0087 (J)	0.0066 (J)		
9/9/2021	0.0094 (J)			
9/14/2021		0.0064 (J)		
9/15/2021				0.011 (J)
9/16/2021			0.0021 (J)	
Mean	0.0094	0.00812	0.00276	0.01125
Std. Dev.	0.002532	0.003849	0.001069	0.0005
Upper Lim.	0.015	0.015	0.004551	0.012
Lower Lim.	0.0078	0.0062	0.0009685	0.011

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 11/8/2021 2:30 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					
Mean	0.0001658	0.0001707	0.0001541	0.0001829	0.0001727	0.0001907
Std. Dev.	5.628E-05	5.85E-05	6.456E-05	4.375E-05	5.688E-05	3.615E-05
Upper Lim.	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Lower Lim.	8.1E-05	8E-05	8E-05	9E-05	8E-05	6E-05

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 11/8/2021 2:30 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)					
Mean	0.0001404	0.000172	0.0002049	0.0001767	0.000158	0.0001677
Std. Dev.	6.361E-05	5.882E-05	0.0001304	4.835E-05	6.327E-05	5.729E-05
Upper Lim.	0.0002	0.0002	0.00064	0.0002	0.0002	0.0002
Lower Lim.	6E-05	9E-05	8.3E-05	9E-05	6E-05	0.0001

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 11/8/2021 2:30 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
Mean	0.0001853	0.0002059	0.0001893	0.0001907	0.0001924	0.0001494
Std. Dev.	5.73E-05	0.0001192	4.131E-05	3.615E-05	0.0001175	6.312E-05
Upper Lim.	0.0002053	0.00059	0.0002	0.0002	0.0002402	0.0002
Lower Lim.	0.0001241	0.00013	4E-05	6E-05	0.0001202	7.9E-05

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-9	B-104D	B-111D	B-56	B-82	B-88
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)					
9/23/2019					<0.0002	
10/17/2019	0.00042 (J)					
10/21/2019					<0.0002	
3/3/2020	<0.0002					
8/11/2020	0.00026					
8/17/2020				0.00016 (J)	0.00011 (J)	0.00011 (J)
9/22/2020	0.00013 (J)					
9/25/2020						<0.0002
9/28/2020				<0.0002	<0.0002	
12/9/2020		7.9E-05 (J)	9.4E-05 (J)			
1/12/2021		<0.0002	<0.0002			
3/2/2021	0.00017 (J)					
3/3/2021				<0.0002		
3/4/2021		<0.0002				
3/5/2021			<0.0002			0.0001 (J)
9/10/2021	0.00014 (J)					
9/13/2021				<0.0002		<0.0002
9/14/2021		<0.0002	<0.0002		<0.0002	
Mean	0.0001881	0.0001697	0.0001735	0.00019	0.000182	0.0001525
Std. Dev.	8.736E-05	6.05E-05	5.3E-05	2E-05	4.025E-05	5.5E-05
Upper Lim.	0.00021	0.0002	0.0002	0.0002	0.0002	0.0002
Lower Lim.	0.00013	7.9E-05	9.4E-05	0.00016	0.00011	0.0001

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

	B-93
8/19/2020	0.00026
9/28/2020	0.00024 (J)
3/9/2021	0.00015 (J)
9/15/2021	9.8E-05 (J)
Mean	0.000187
Std. Dev.	7.622E-05
Upper Lim.	0.00036
Lower Lim.	1.396E-05

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-13	DGWC-2	DGWC-23	DGWC-4	B-104D	B-111D
9/6/2016	0.0371					
12/7/2016	0.0273					
3/28/2017				0.008 (J)		
3/30/2017	0.03	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	0.0323		0.0092 (J)			
10/24/2017		<0.01		0.0072 (J)		
10/26/2017			0.0077 (J)			
11/15/2017	0.0275					
2/27/2018		<0.01		0.0069 (J)		
2/28/2018	0.0093 (J)					
3/1/2018			0.0045 (J)			
7/11/2018		<0.01				
7/12/2018			0.012			
11/6/2018		<0.01		<0.01 (J)		
11/7/2018	0.018					
11/8/2018			0.012			
8/27/2019		0.002 (J)		0.0065 (J)		
8/28/2019	0.015					
8/29/2019			0.014			
10/15/2019				0.0061 (J)		
10/16/2019	0.014					
10/17/2019		0.0018 (J)				
10/18/2019			0.0091 (J)			
3/2/2020				0.0059 (J)		
3/3/2020	0.018	0.0022 (J)				
3/4/2020			0.0047 (J)			
8/11/2020		0.002 (J)				
8/12/2020	0.012			0.0057 (J)		
8/13/2020			0.013			
9/22/2020				0.0028 (J)		
9/23/2020	0.012	0.0022 (J)				
9/24/2020			0.0088 (J)			
12/9/2020				0.0012 (J)	0.0055 (J)	
1/12/2021				<0.01	0.0054 (J)	
3/1/2021				0.0051 (J)		
3/2/2021	0.011	0.0021 (J)				
3/3/2021			0.0026 (J)			
3/4/2021				<0.01		
3/5/2021					0.0067 (J)	
9/9/2021	0.011	0.0023 (J)	0.01			
9/10/2021				0.0052 (J)		
9/14/2021				<0.01	0.013	
Mean	0.01961	0.005093	0.008993	0.006007	0.0078	0.00765
Std. Dev.	0.009301	0.004167	0.003208	0.001765	0.0044	0.003615
Upper Lim.	0.0262	0.01	0.01117	0.007258	0.01	0.01817
Lower Lim.	0.01302	0.0018	0.00682	0.004757	0.0012	0.002799

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
Plant McDonough Client: Southern Company Data: McDonough AP

	B-66	B-88
1/30/2019	<0.01	
9/12/2019	0.0018 (J)	
10/21/2019	0.0015 (J)	
8/17/2020		0.0012 (J)
9/25/2020		0.0012 (J)
3/5/2021		<0.01
9/13/2021		<0.01
9/14/2021	<0.01	
Mean	0.005825	0.0056
Std. Dev.	0.004822	0.005081
Upper Lim.	0.01	0.01
Lower Lim.	0.0015	0.0012

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-10	DGWC-12	DGWC-13	DGWC-14	DGWC-15	DGWC-17
8/31/2016	0.0366			0.0016 (J)		
9/1/2016		0.0017 (J)				
9/6/2016			0.0011 (J)		<0.005	
9/7/2016						0.007 (J)
12/6/2016	0.0026 (J)			<0.005		
12/7/2016		<0.005	0.0015 (J)		<0.005	
12/8/2016						0.0087 (J)
3/29/2017	0.0286	0.0017 (J)		<0.005		
3/30/2017			0.0015 (J)		<0.005	0.0099 (J)
7/12/2017	0.0257	0.0019 (J)	<0.005	<0.005	<0.005	0.0072 (J)
10/24/2017	0.0281					
10/25/2017		0.0024 (J)		<0.005	<0.005	0.0078 (J)
11/15/2017			0.0019 (J)			
2/27/2018	0.0667	<0.005		<0.005		
2/28/2018			<0.005		<0.005	<0.005
7/11/2018		<0.005		0.002 (J)	<0.005	0.007 (J)
11/6/2018	0.049					
11/7/2018		<0.01 (J)	<0.01 (J)	<0.01 (J)	<0.01 (J)	<0.005
8/27/2019	0.015	<0.005		<0.005		0.0073 (J)
8/28/2019			0.0039 (J)		<0.005	
9/17/2019		0.0014 (J)				
10/15/2019	0.071	0.0019 (J)				
10/16/2019			0.0031 (J)	0.0017 (J)		
10/17/2019					<0.005	
10/18/2019						0.0093 (J)
3/2/2020		<0.005				
3/3/2020	0.021		0.0062 (J)	0.0014 (J)	<0.005	
3/4/2020						0.0074 (J)
8/11/2020	0.023	0.0019 (J)		<0.005		
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		
9/23/2020			0.0053 (J)		<0.005	
9/24/2020	0.074					0.015
3/2/2021			0.006	<0.005	<0.005	
3/3/2021		<0.005				0.0072
3/4/2021	0.05					
9/9/2021		<0.005	0.006	0.0017 (J)	<0.005	
9/10/2021	0.034					
9/13/2021						0.0071
Mean	0.03752	0.003931	0.004307	0.004227	0.00512	0.007953
Std. Dev.	0.0217	0.002266	0.00244	0.002257	0.001582	0.002359
Upper Lim.	0.05289	0.005	0.004442	0.01	0.01	0.009189
Lower Lim.	0.02215	0.0017	0.0019	0.0017	0.0018	0.006423

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 11/8/2021 2:30 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-47
9/1/2016	0.0093 (J)					0.0217
9/2/2016			0.0671	<0.005		
12/7/2016	<0.005		0.0056 (J)			
12/8/2016				<0.005		0.017
3/28/2017					<0.005	
3/29/2017	0.0071 (J)		0.0521	<0.005		
3/30/2017		<0.005				
3/31/2017						0.0133
5/11/2017		<0.005				
5/12/2017					<0.005	
6/15/2017		<0.005			<0.005	
7/11/2017		<0.005			<0.005	
7/12/2017	0.0065 (J)		0.0483			
7/13/2017				<0.005		0.0068 (J)
10/24/2017		<0.005			<0.005	
10/25/2017	0.0087 (J)		0.0506	<0.005		
10/26/2017						0.0097 (J)
2/27/2018		<0.005			<0.005	
2/28/2018	0.0114		0.0755	<0.005		
3/1/2018						0.0124
7/11/2018	0.0036 (J)	0.0045 (J)	0.022			
7/12/2018				0.0017 (J)		0.015
11/6/2018		<0.01 (J)			<0.005	
11/7/2018	<0.01 (J)		0.044	<0.005		<0.01 (J)
8/27/2019		0.0069 (J)			<0.005	
8/28/2019	0.004 (J)					
8/29/2019			0.029	<0.005		0.004 (J)
10/15/2019					0.0014 (J)	
10/16/2019	0.006 (J)					
10/17/2019		0.0051 (J)	0.071			0.0062 (J)
10/18/2019				<0.005		
3/2/2020					<0.005	
3/3/2020	0.0066 (J)	0.0047 (J)		<0.005		
3/4/2020			0.071			0.0065 (J)
8/11/2020	0.0096 (J)	0.0053 (J)				
8/12/2020					<0.005	0.002 (J)
8/13/2020			0.091			
8/14/2020				<0.005		
9/22/2020	0.0052 (J)		0.023		<0.005	
9/23/2020		0.0046 (J)				<0.005
9/24/2020				<0.005		
3/1/2021					<0.005	
3/2/2021	0.0091	0.0037 (J)	0.078			
3/3/2021				<0.005		0.0039 (J)
9/9/2021	0.0083	0.0031 (J)				
9/10/2021			0.031	<0.005	<0.005	0.0035 (J)
Mean	0.00736	0.005193	0.05061	0.00478	0.004743	0.009133
Std. Dev.	0.00234	0.001557	0.02481	0.0008521	0.0009621	0.005718
Upper Lim.	0.008946	0.0053	0.06742	0.005	0.005	0.01301
Lower Lim.	0.005774	0.0045	0.0338	0.0017	0.0014	0.005259

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-48	DGWC-5	DGWC-8	DGWC-9	B-100	B-104D
8/30/2016			0.0032 (J)	0.0833		
8/31/2016		0.0182				
9/1/2016	0.0084 (J)					
12/6/2016		0.012	<0.005	0.0065 (J)		
12/8/2016	0.0084 (J)					
3/28/2017		0.168		0.0954		
3/29/2017			0.0048 (J)			
3/30/2017	0.0079 (J)					
7/11/2017		0.0607	0.0031 (J)	0.0561		
7/13/2017	0.0062 (J)					
10/24/2017			0.0069 (J)	0.0653		
10/25/2017		0.034				
10/26/2017	0.0058 (J)					
2/27/2018		0.0348	<0.005	0.13		
3/2/2018	<0.005					
7/11/2018				0.045		
7/12/2018	0.013					
11/6/2018		<0.01 (J)	<0.01 (J)	0.12		
11/7/2018	<0.01 (J)					
8/27/2019		0.0031 (J)		0.067		
8/28/2019			<0.005			
8/29/2019	0.0023 (J)					
10/16/2019		0.015	0.0016 (J)			
10/17/2019				0.19		
10/18/2019	0.005 (J)					
3/2/2020		0.032				
3/3/2020			0.0018 (J)	0.046		
3/4/2020	0.0061 (J)					
8/11/2020				0.11		
8/12/2020		0.011	<0.005			
8/13/2020	0.0029 (J)					
8/17/2020					<0.005	
9/22/2020		0.04		0.23		
9/23/2020	0.0016 (J)		0.0028 (J)			
9/25/2020					<0.005	
12/9/2020						<0.005
1/12/2021						0.0016 (J)
3/2/2021		0.0081	<0.005	0.07		
3/3/2021	0.0025 (J)					
3/4/2021						0.0031 (J)
3/8/2021					0.0019 (J)	
9/10/2021	0.0022 (J)	0.0099		0.057		
9/13/2021			<0.005		<0.005	
9/14/2021						<0.005
Mean	0.00582	0.03263	0.004586	0.09144	0.004225	0.003675
Std. Dev.	0.003285	0.04214	0.002144	0.0581	0.00155	0.001648
Upper Lim.	0.008046	0.0457	0.00408	0.1308	0.005	0.004053
Lower Lim.	0.003594	0.00964	0.002153	0.05207	0.0019	0.0006472

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	B-111D	B-56	B-77	B-82	B-83	B-88
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)		
12/9/2020	<0.005					
1/12/2021	<0.005					
3/3/2021		0.013				
3/4/2021			0.0017 (J)		0.024	
3/5/2021	0.0022 (J)					0.0033 (J)
9/13/2021		0.011				0.0021 (J)
9/14/2021	<0.005		<0.005	<0.005		
9/16/2021					0.025	
Mean	0.0043	0.016	0.00445	0.00374	0.01824	0.0026
Std. Dev.	0.0014	0.008718	0.001347	0.001734	0.006906	0.0008246
Upper Lim.	0.005	0.029	0.005	0.005	0.02981	0.004472
Lower Lim.	0.0022	0.011	0.0017	0.0016	0.006668	0.0007278

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-10	DGWC-12	DGWC-17	DGWC-19	DGWC-20	DGWC-22
8/31/2016	0.0004 (J)					
9/1/2016		<0.001		0.0005 (J)		
9/2/2016					<0.001	<0.001
9/7/2016			<0.001			
12/6/2016	0.0004 (J)					
12/7/2016		<0.001		0.0005 (J)	0.0006 (J)	
12/8/2016			<0.001			<0.001
3/29/2017	0.0006 (J)	8E-05 (J)		0.0004 (J)	0.0006 (J)	6E-05 (J)
3/30/2017			0.0002 (J)			
7/12/2017	0.0005 (J)	9E-05 (J)	0.0002 (J)	0.0005 (J)	0.0006 (J)	
7/13/2017						7E-05 (J)
10/24/2017	0.0004 (J)					
10/25/2017		9E-05 (J)	0.0002 (J)	0.0004 (J)	0.0005 (J)	7E-05 (J)
2/27/2018	<0.001	<0.001				
2/28/2018			0.00015 (J)	0.00049 (J)	<0.001	<0.001
7/11/2018		<0.001	0.00017 (J)	0.0005 (J)	<0.001	
7/12/2018						<0.001
11/6/2018	<0.001 (J)					
11/7/2018		<0.001	<0.001	<0.001 (J)	<0.001 (J)	<0.001
8/27/2019	0.00036 (J)	8.9E-05 (J)	0.00018 (J)			
8/28/2019				0.00053 (J)		
8/29/2019					0.00084 (J)	6.4E-05 (J)
9/17/2019		9.7E-05 (J)				
10/15/2019	0.00039 (J)	9.1E-05 (J)				
10/16/2019				0.00053 (J)		
10/17/2019					0.00062 (J)	
10/18/2019			0.00014 (J)			<0.001
3/2/2020		0.00013 (J)				
3/3/2020	0.00042 (J)			0.0006 (J)		7E-05 (J)
3/4/2020			0.00019 (J)		0.0023 (J)	
8/11/2020	0.00037 (J)	<0.001		0.00059 (J)		
8/13/2020					0.0016 (J)	
8/14/2020			0.00019 (J)			<0.001
9/22/2020		<0.001		0.0005 (J)	0.00055 (J)	
9/24/2020	0.00034 (J)		0.00018 (J)			<0.001
3/2/2021				0.00056 (J)	0.0014 (J)	
3/3/2021		<0.001	0.00017 (J)			<0.001
3/4/2021	0.00042 (J)					
9/9/2021		<0.001		0.00056 (J)		
9/10/2021	0.00027 (J)				0.00052 (J)	<0.001
9/13/2021			<0.001			
Mean	0.0004907	0.0006042	0.000398	0.000544	0.000942	0.0006889
Std. Dev.	0.0002285	0.0004636	0.0003761	0.0001384	0.0004995	0.0004554
Upper Lim.	0.0006	0.001	0.001	0.00059	0.000988	0.001
Lower Lim.	0.00036	9E-05	0.00017	0.00049	0.0005219	6.4E-05

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals

Plant McDonough Client: Southern Company Data: McDonough AP

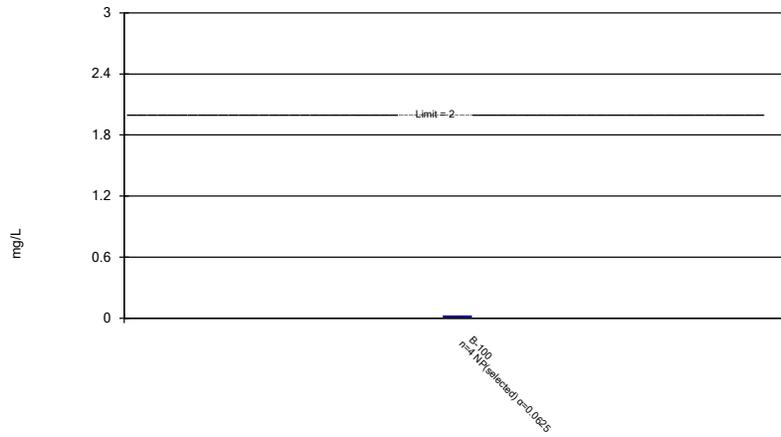
	DGWC-4	DGWC-42	DGWC-47	DGWC-48	DGWC-5	DGWC-8
8/30/2016						<0.001
8/31/2016					<0.001	
9/1/2016			0.0002 (J)	<0.001		
9/7/2016		<0.001				
12/6/2016					<0.001	<0.001
12/8/2016		<0.001	<0.001	<0.001		
3/28/2017	<0.001				0.0002 (J)	
3/29/2017						0.0002 (J)
3/30/2017				9E-05 (J)		
3/31/2017		9E-05 (J)	0.0002 (J)			
5/12/2017	<0.001					
6/15/2017	<0.001					
7/11/2017	<0.001				<0.001	0.0001 (J)
7/13/2017		9E-05 (J)	0.0002 (J)	8E-05 (J)		
10/24/2017	<0.001					0.0003 (J)
10/25/2017		9E-05 (J)			<0.001	
10/26/2017			0.0003 (J)	9E-05 (J)		
2/27/2018	<0.001				<0.001	0.00033 (J)
2/28/2018		<0.001				
3/1/2018			0.00032 (J)			
3/2/2018				<0.001		
7/11/2018		<0.001				
7/12/2018			0.00031 (J)	<0.001		
11/6/2018	<0.001				<0.001	<0.001 (J)
11/7/2018		<0.001	<0.001 (J)	<0.001		
8/27/2019	<0.001				<0.001	
8/28/2019		6.9E-05 (J)				0.00022 (J)
8/29/2019			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)			
10/18/2019				<0.001		
3/2/2020	<0.001				6.2E-05 (J)	
3/3/2020						0.00023 (J)
3/4/2020		<0.001	0.00021 (J)	6.8E-05 (J)		
8/12/2020	<0.001		0.00018 (J)		<0.001	0.00023 (J)
8/13/2020		<0.001		<0.001		
9/22/2020	<0.001	<0.001			<0.001	
9/23/2020			0.00026 (J)	<0.001		0.0002 (J)
3/1/2021	<0.001					
3/2/2021					<0.001	0.00019 (J)
3/3/2021		<0.001	0.00023 (J)	<0.001		
9/10/2021	<0.001		0.00036 (J)	<0.001	<0.001	
9/13/2021		<0.001				0.00019 (J)
Mean	0.0009338	0.0007559	0.0003513	0.0006937	0.00081	0.0003886
Std. Dev.	0.0002478	0.000419	0.0002684	0.0004484	0.0003787	0.0003356
Upper Lim.	0.001	0.001	0.00036	0.001	0.001	0.001
Lower Lim.	7.3E-05	9E-05	0.0002	8E-05	0.0002	0.00019

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals
 Plant McDonough Client: Southern Company Data: McDonough AP

	DGWC-9	B-56	B-82	B-83	B-88
8/30/2016	<0.001				
12/6/2016	0.0006 (J)				
3/28/2017	0.0007 (J)				
7/11/2017	0.0007 (J)				
10/24/2017	0.0006 (J)				
2/27/2018	0.00038 (J)				
7/11/2018	<0.001				
11/6/2018	<0.001				
8/27/2019	0.00053 (J)				
9/23/2019			9.9E-05 (J)		
10/17/2019	0.00076 (J)				
10/21/2019			0.00011 (J)	7.2E-05 (J)	
3/3/2020	0.00044 (J)				
8/11/2020	<0.001				
8/14/2020				<0.001	
8/17/2020		0.00016 (J)	<0.001		<0.001
9/22/2020	0.00043 (J)				
9/25/2020				<0.001	<0.001
9/28/2020		0.00023 (J)	<0.001		
3/2/2021	<0.001				
3/3/2021		0.00026 (J)			
3/4/2021				<0.001	
3/5/2021					0.0002 (J)
9/10/2021	0.0004 (J)				
9/13/2021		0.00024 (J)			<0.001
9/14/2021			<0.001		
9/16/2021				<0.001	
Mean	0.0007027	0.0002225	0.0006418	0.0008144	0.0008
Std. Dev.	0.0002443	4.349E-05	0.0004905	0.000415	0.0004
Upper Lim.	0.001	0.0003212	0.001	0.001	0.001
Lower Lim.	0.00043	0.0001238	9.9E-05	7.2E-05	0.0002

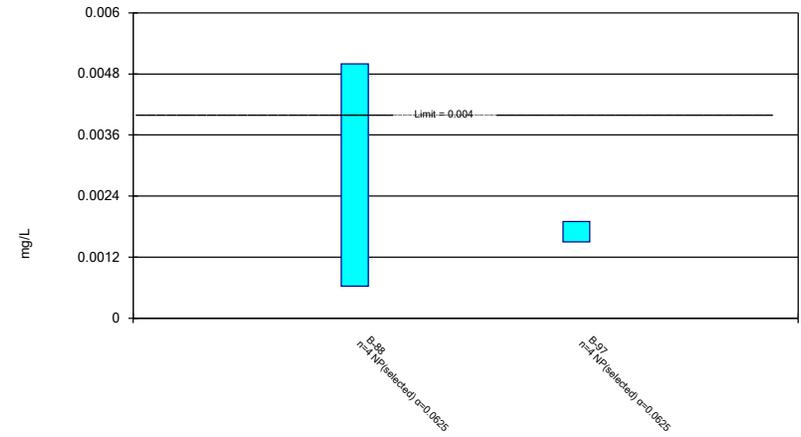
Non-Parametric Confidence Interval
Compliance Limit is not exceeded.



Normality testing disabled.

Constituent: Barium Analysis Run 11/8/2021 2:29 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

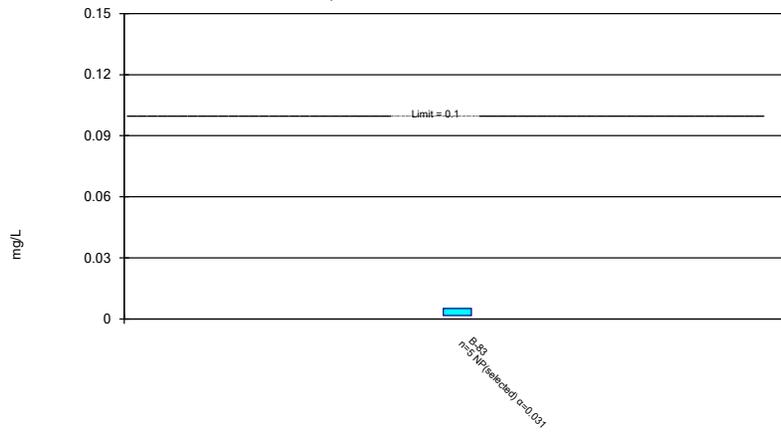
Non-Parametric Confidence Interval
Compliance Limit is not exceeded.



Normality testing disabled.

Constituent: Beryllium Analysis Run 11/8/2021 2:29 PM View: AP 234 Confidence Intervals Nonparametri
Plant McDonough Client: Southern Company Data: McDonough AP

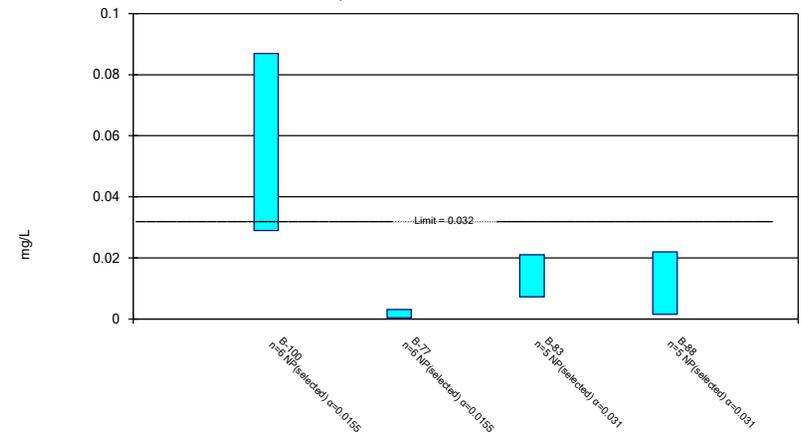
Non-Parametric Confidence Interval
Compliance Limit is not exceeded.



Normality testing disabled.

Constituent: Chromium Analysis Run 11/8/2021 2:29 PM View: AP 234 Confidence Intervals Nonparametr
Plant McDonough Client: Southern Company Data: McDonough AP

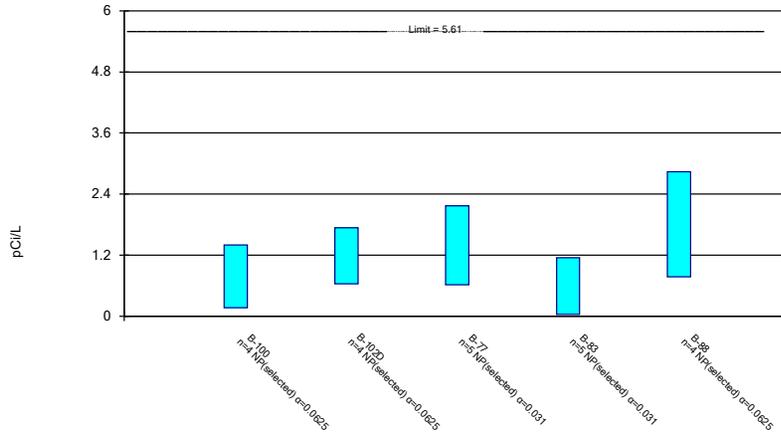
Non-Parametric Confidence Interval
Compliance Limit is not exceeded.



Normality testing disabled.

Constituent: Cobalt Analysis Run 11/8/2021 2:29 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

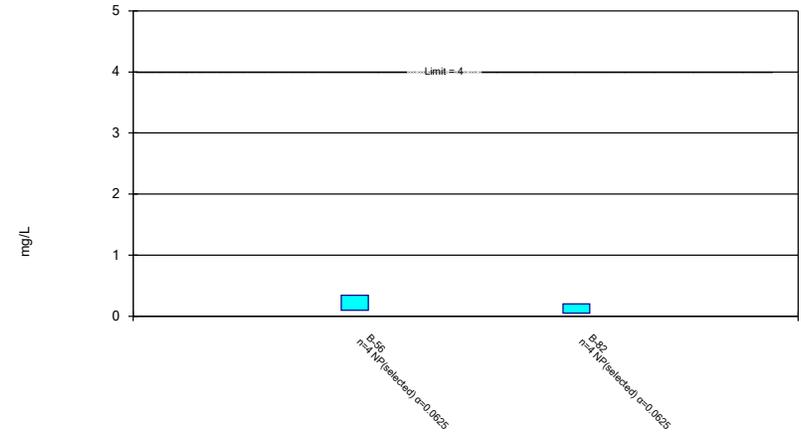
Non-Parametric Confidence Interval
Compliance Limit is not exceeded.



Normality testing disabled.

Constituent: Combined Radium 226 + 228 Analysis Run 11/8/2021 2:29 PM View: AP 234 Confidence Inte
Plant McDonough Client: Southern Company Data: McDonough AP

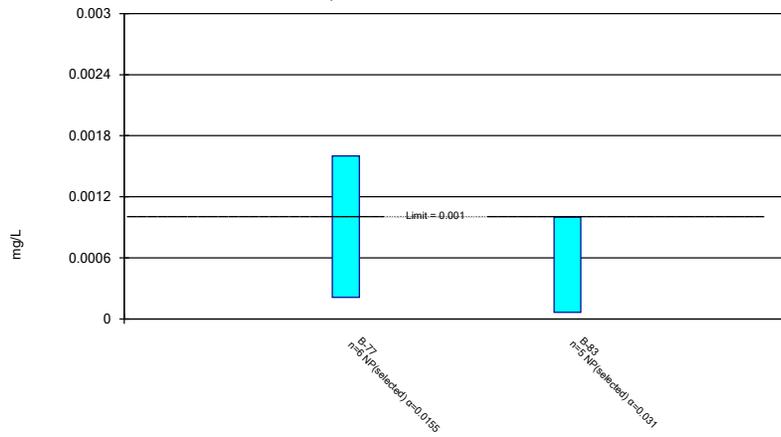
Non-Parametric Confidence Interval
Compliance Limit is not exceeded.



Normality testing disabled.

Constituent: Fluoride, total Analysis Run 11/8/2021 2:29 PM View: AP 234 Confidence Intervals Nonpara
Plant McDonough Client: Southern Company Data: McDonough AP

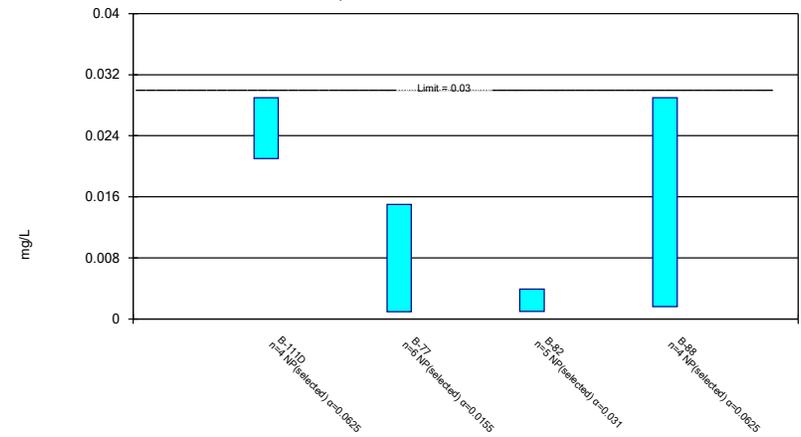
Non-Parametric Confidence Interval
Compliance Limit is not exceeded.



Normality testing disabled.

Constituent: Lead Analysis Run 11/8/2021 2:29 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

Non-Parametric Confidence Interval
Compliance Limit is not exceeded.

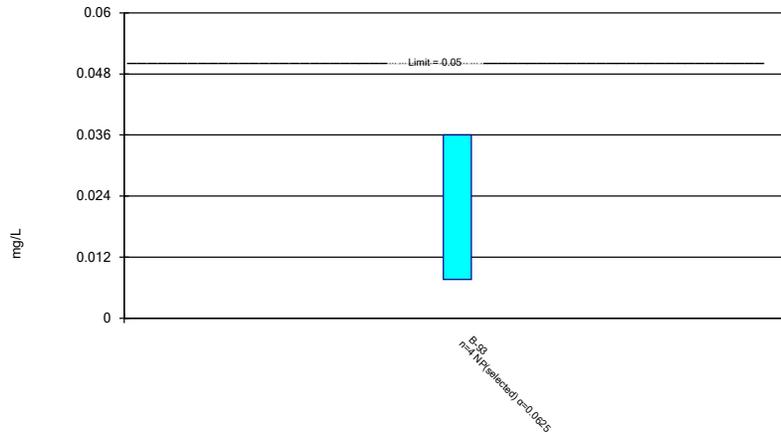


Normality testing disabled.

Constituent: Lithium Analysis Run 11/8/2021 2:29 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: Selenium Analysis Run 11/8/2021 2:29 PM View: AP 234 Confidence Intervals Nonparametri
Plant McDonough Client: Southern Company Data: McDonough AP

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

	B-100
8/17/2020	0.015
9/25/2020	0.022
3/8/2021	0.022
9/13/2021	0.021
Mean	0.02
Std. Dev.	0.003367
Upper Lim.	0.022
Lower Lim.	0.015

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

	B-88	B-97
2/17/2020		<0.003
2/27/2020		0.0019 (J)
8/17/2020	0.0014 (J)	
9/25/2020	0.00063 (J)	
3/5/2021	0.005	
3/9/2021		0.0019
9/13/2021	0.001	
9/15/2021		0.0016
Mean	0.002008	0.001725
Std. Dev.	0.00202	0.0002062
Upper Lim.	0.005	0.0019
Lower Lim.	0.00063	0.0015

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

	B-83
10/21/2019	0.0017 (J)
8/14/2020	0.005 (J)
9/25/2020	0.0051 (J)
3/4/2021	0.0049 (J)
9/16/2021	0.003 (J)
Mean	0.00394
Std. Dev.	0.001524
Upper Lim.	0.0051
Lower Lim.	0.0017

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

	B-100	B-77	B-83	B-88
9/18/2019		0.0031 (J)		
10/21/2019			0.018	
10/24/2019		0.0021 (J)		
11/22/2019				0.018 (J)
7/23/2020	0.086			
8/3/2020	0.087			
8/13/2020		0.0011 (J)		
8/14/2020			0.021	
8/17/2020	0.077			0.0031 (J)
9/24/2020		0.0004 (J)		
9/25/2020	0.034		0.0073	0.0015 (J)
3/4/2021		0.0017 (J)	0.0099	
3/5/2021				0.022
3/8/2021	0.029			
9/13/2021	0.035			0.0018 (J)
9/14/2021		<0.005		
9/16/2021			0.011	
Mean	0.058	0.001817	0.01344	0.00928
Std. Dev.	0.02804	0.0009725	0.005791	0.009906
Upper Lim.	0.087	0.0031	0.021	0.022
Lower Lim.	0.029	0.0004	0.0073	0.0015

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals Nonparametric

Plant McDonough Client: Southern Company Data: McDonough AP

	B-100	B-102D	B-77	B-83	B-88
10/21/2019				0.792 (U)	
10/24/2019			1.87		
8/13/2020			2.17		
8/14/2020				0.95 (U)	
8/17/2020	1.4 (U)				2.47
9/24/2020			0.761 (U)		
9/25/2020	0.799 (U)			0.0359 (U)	0.925 (U)
12/17/2020		1.22 (U)			
1/11/2021		0.635 (U)			
3/4/2021		0.789 (U)	2.16	1.15 (U)	
3/5/2021					2.84
3/8/2021	0.168 (U)				
9/10/2021		1.74			
9/13/2021	0.774 (U)				0.771 (U)
9/14/2021			0.617 (U)		
9/16/2021				0.442 (U)	
Mean	0.7853	1.096	1.516	0.674	1.752
Std. Dev.	0.5031	0.4956	0.7658	0.4409	1.056
Upper Lim.	1.4	1.74	2.17	1.15	2.84
Lower Lim.	0.168	0.635	0.617	0.0359	0.771

Confidence Interval

Constituent: Fluoride, total (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals Nonparametric

Plant McDonough Client: Southern Company Data: McDonough AP

	B-56	B-82
10/21/2019		0.2 (J)
8/17/2020	0.19	<0.1
9/28/2020	0.098 (J)	<0.1
3/3/2021	0.34	
9/13/2021	0.2	
9/14/2021		0.052 (J)
Mean	0.207	0.113
Std. Dev.	0.09985	0.06226
Upper Lim.	0.34	0.2
Lower Lim.	0.098	0.052

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

	B-77	B-83
9/18/2019	0.00032 (J)	
10/21/2019		0.00012 (J)
10/24/2019	<0.001	
8/13/2020	0.0016 (J)	
8/14/2020		0.00092 (J)
9/24/2020	0.00021 (J)	
9/25/2020		6.5E-05 (J)
3/4/2021	0.00029 (J)	0.00017 (J)
9/14/2021	<0.001	
9/16/2021		<0.001
Mean	0.0007367	0.000455
Std. Dev.	0.000554	0.0004634
Upper Lim.	0.0016	0.001
Lower Lim.	0.00021	6.5E-05

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

	B-111D	B-77	B-82	B-88
9/18/2019		0.0047 (J)		
9/23/2019			0.0039 (J)	
10/21/2019			0.0036 (J)	
10/24/2019		0.0036 (J)		
8/13/2020		0.0018 (J)		
8/17/2020			0.0016 (J)	0.006 (J)
9/24/2020		0.00095 (J)		
9/25/2020				0.0016 (J)
9/28/2020			0.001 (J)	
12/9/2020	0.021 (J)			
1/12/2021	0.021 (J)			
3/4/2021		0.0011 (J)		
3/5/2021	0.028 (J)			0.029 (J)
9/13/2021				0.0017 (J)
9/14/2021	0.029 (J)	<0.03	0.001 (J)	
Mean	0.02475	0.004525	0.00222	0.009575
Std. Dev.	0.004349	0.005339	0.001422	0.01311
Upper Lim.	0.029	0.015	0.0039	0.029
Lower Lim.	0.021	0.00095	0.001	0.0016

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 11/8/2021 2:30 PM View: AP 234 Confidence Intervals Nonparametric
Plant McDonough Client: Southern Company Data: McDonough AP

	B-93
8/19/2020	0.018
9/28/2020	0.036
3/9/2021	0.0099 (J)
9/15/2021	0.0076
Mean	0.01788
Std. Dev.	0.01288
Upper Lim.	0.036
Lower Lim.	0.0076

FIGURE K.

Appendix IV Trend Tests - Significant Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 3:01 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Beryllium (mg/L)	DGWA-70A (bg)	-0.0006733	-54	-53	Yes	15	53.33	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWC-47	-0.001263	-55	-53	Yes	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWA-53 (bg)	-0.005485	-77	-53	Yes	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-10	-0.02424	-58	-48	Yes	14	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-47	-0.05383	-76	-53	Yes	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-48	-0.04534	-87	-53	Yes	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-8	-0.01234	-55	-48	Yes	14	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-9	0.02407	66	53	Yes	15	0	n/a	n/a	0.01	NP
Lithium (mg/L)	DGWC-47	-0.006577	-65	-53	Yes	15	0	n/a	n/a	0.01	NP
Lithium (mg/L)	DGWC-48	-0.008187	-75	-53	Yes	15	0	n/a	n/a	0.01	NP

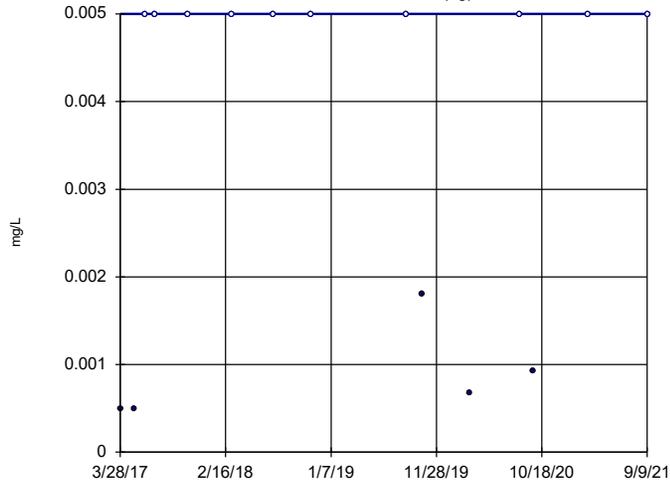
Appendix IV Trend Tests - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 3:01 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Arsenic (mg/L)	DGWA-53 (bg)	0	11	53	No	15	66.67	n/a	n/a	0.01	NP
Arsenic (mg/L)	DGWA-70A (bg)	0	-4	-53	No	15	93.33	n/a	n/a	0.01	NP
Arsenic (mg/L)	DGWA-71 (bg)	0	9	48	No	14	85.71	n/a	n/a	0.01	NP
Arsenic (mg/L)	DGWC-9	0.001503	18	53	No	15	6.667	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWA-53 (bg)	0	0	53	No	15	100	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWA-70A (bg)	-0.0006733	-54	-53	Yes	15	53.33	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWA-71 (bg)	-0.00002022	-33	-53	No	15	33.33	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWC-10	0.0006483	25	48	No	14	0	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWC-47	-0.001263	-55	-53	Yes	15	0	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWC-48	-0.0004177	-53	-53	No	15	0	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWC-5	0.0004286	25	48	No	14	0	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWC-9	0.0001134	20	53	No	15	0	n/a	n/a	0.01	NP
Beryllium (mg/L)	B-93	0.00406	5	12	No	5	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWA-53 (bg)	-0.005485	-77	-53	Yes	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWA-70A (bg)	0	-1	-53	No	15	46.67	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWA-71 (bg)	0	17	48	No	14	64.29	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-10	-0.02424	-58	-48	Yes	14	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-19	-0.0006109	-25	-53	No	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-20	0.02101	20	53	No	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-47	-0.05383	-76	-53	Yes	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-48	-0.04534	-87	-53	Yes	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-8	-0.01234	-55	-48	Yes	14	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-9	0.02407	66	53	Yes	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	B-56	0.004935	3	8	No	4	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	B-63	-0.004021	-5	-12	No	5	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	B-93	-0.003331	-6	-12	No	5	0	n/a	n/a	0.01	NP
Combined Radium 226 + 228 (pCi/L)	DGWA-53 (bg)	-0.6866	-53	-53	No	15	0	n/a	n/a	0.01	NP
Combined Radium 226 + 228 (pCi/L)	DGWA-70A (bg)	0.004235	0	58	No	16	0	n/a	n/a	0.01	NP
Combined Radium 226 + 228 (pCi/L)	DGWA-71 (bg)	0	0	53	No	15	0	n/a	n/a	0.01	NP
Combined Radium 226 + 228 (pCi/L)	B-104D	-8.273	-4	-8	No	4	0	n/a	n/a	0.01	NP
Lithium (mg/L)	DGWA-53 (bg)	-0.0001578	-13	-53	No	15	6.667	n/a	n/a	0.01	NP
Lithium (mg/L)	DGWA-70A (bg)	0	15	53	No	15	80	n/a	n/a	0.01	NP
Lithium (mg/L)	DGWA-71 (bg)	-0.0001648	-41	-48	No	14	21.43	n/a	n/a	0.01	NP
Lithium (mg/L)	DGWC-47	-0.006577	-65	-53	Yes	15	0	n/a	n/a	0.01	NP
Lithium (mg/L)	DGWC-48	-0.008187	-75	-53	Yes	15	0	n/a	n/a	0.01	NP
Lithium (mg/L)	B-104D	-0.004109	-5	-8	No	4	0	n/a	n/a	0.01	NP
Selenium (mg/L)	DGWA-53 (bg)	0	0	53	No	15	100	n/a	n/a	0.01	NP
Selenium (mg/L)	DGWA-70A (bg)	0	0	53	No	15	100	n/a	n/a	0.01	NP
Selenium (mg/L)	DGWA-71 (bg)	0	0	48	No	14	100	n/a	n/a	0.01	NP
Selenium (mg/L)	DGWC-9	0.006758	19	53	No	15	0	n/a	n/a	0.01	NP

Sen's Slope Estimator

DGWA-53 (bg)

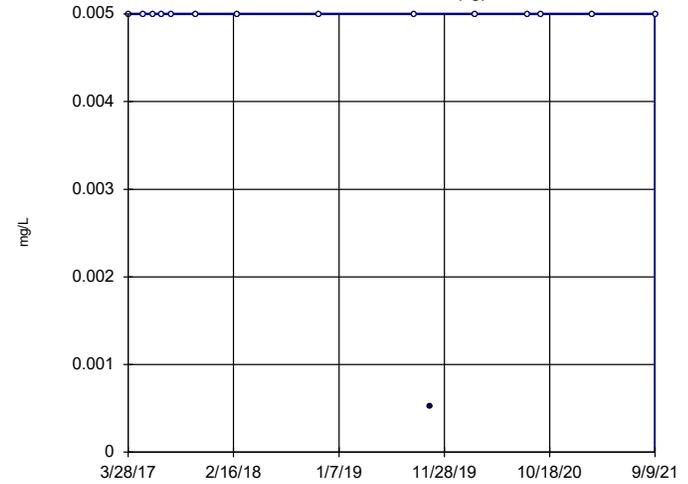


n = 15
Slope = 0
units per year.
Mann-Kendall
statistic = 11
critical = 53
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Arsenic Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWA-70A (bg)

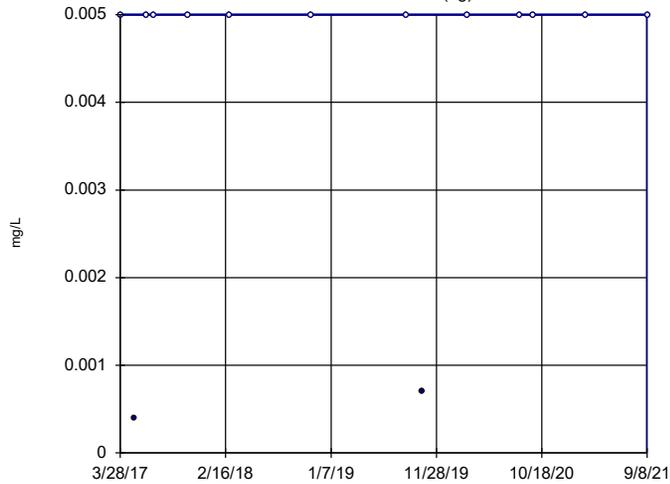


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Slope = 0
units per year.
Mann-Kendall
statistic = -4
critical = -53
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Arsenic Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWA-71 (bg)

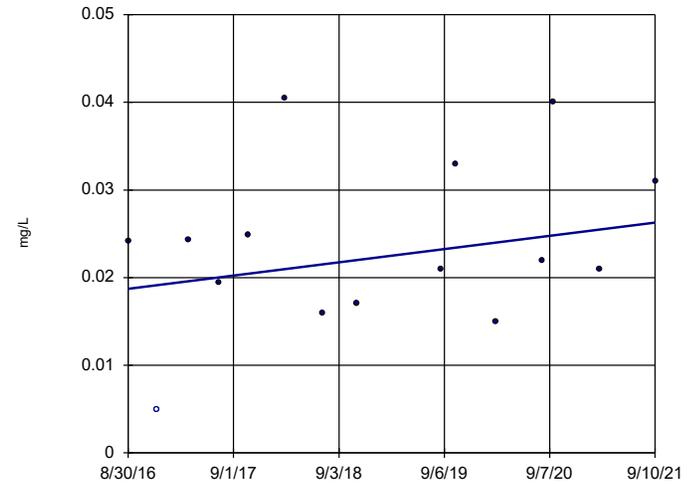


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Slope = 0
units per year.
Mann-Kendall
statistic = 9
critical = 48
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

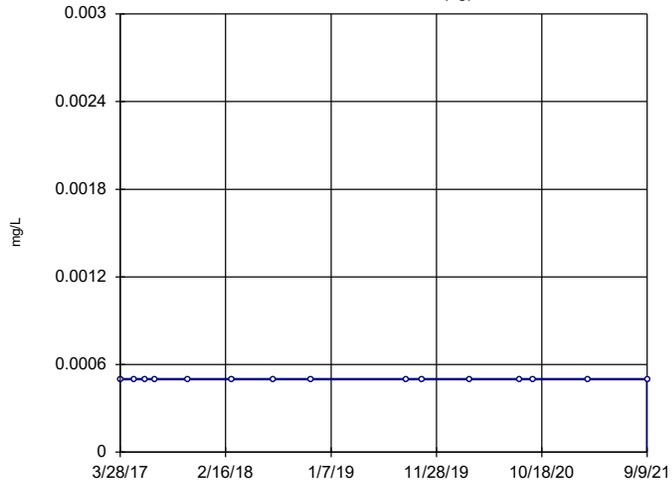
DGWC-9



n = 15
Slope = 0.001503
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Mann-Kendall
statistic = 18
critical = 53
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

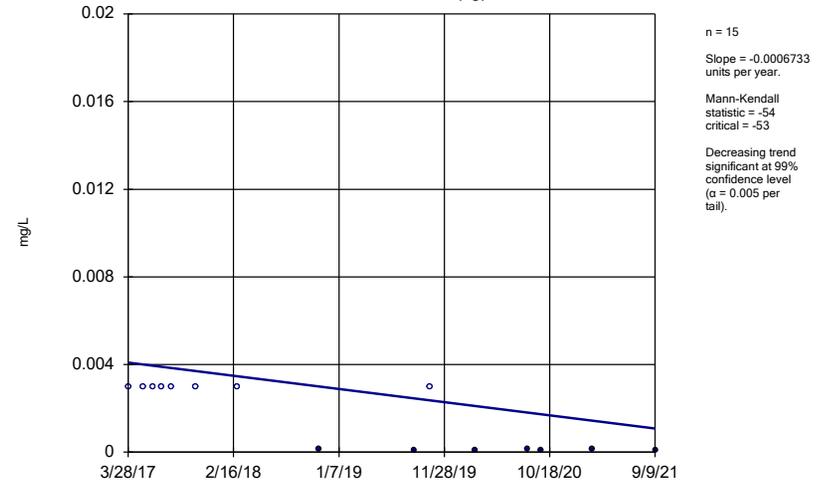
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWA-53 (bg)



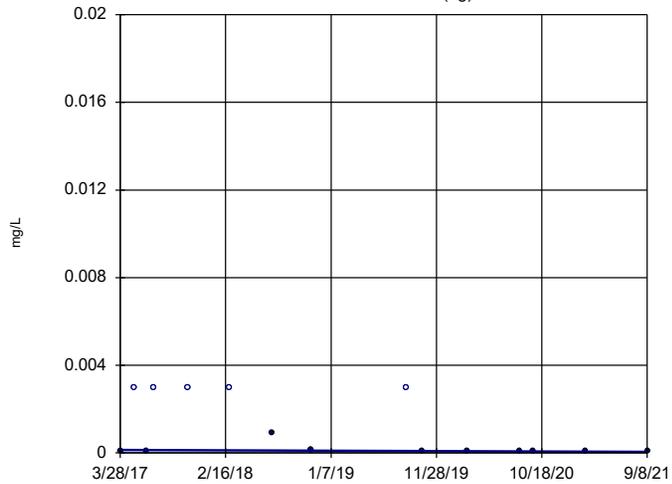
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWA-70A (bg)



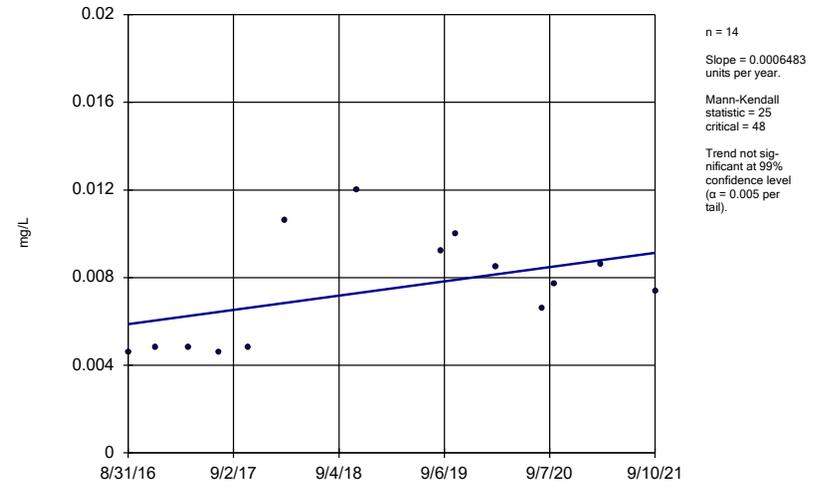
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWA-71 (bg)



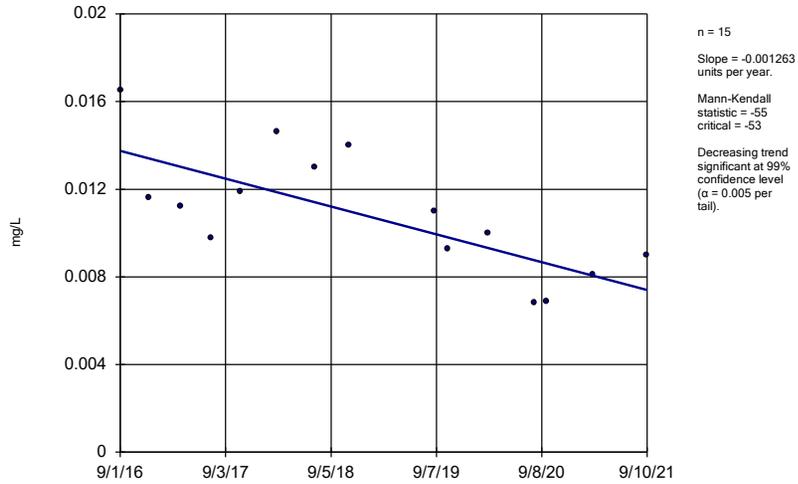
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-10



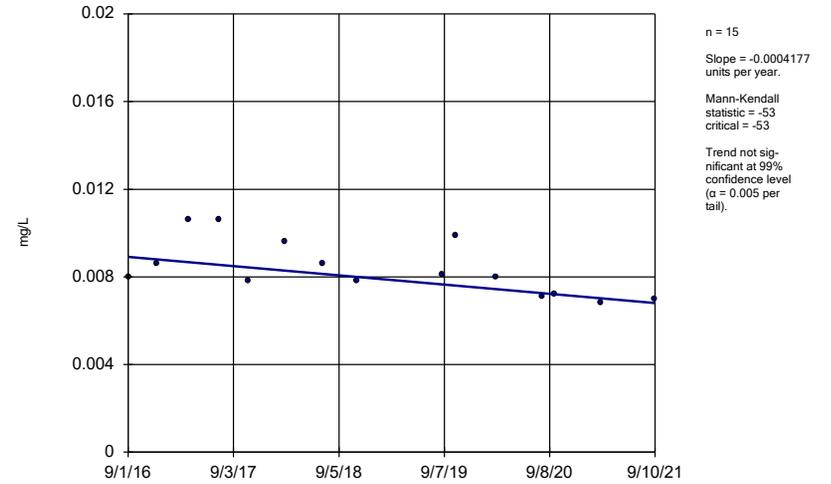
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-47



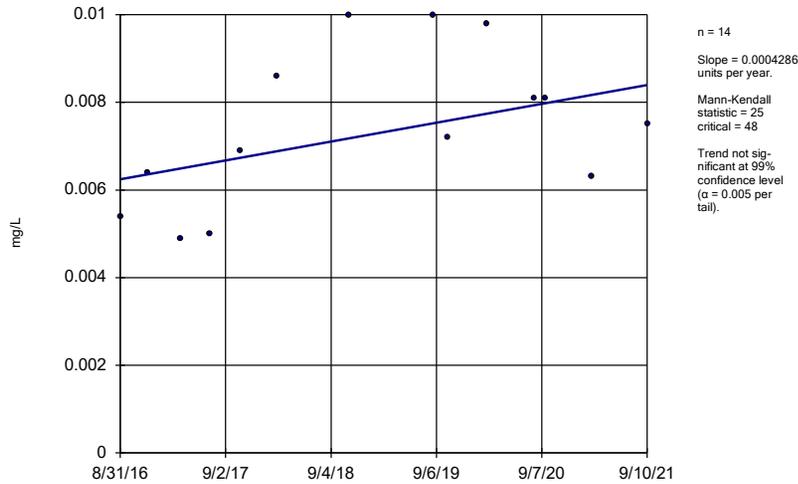
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-48



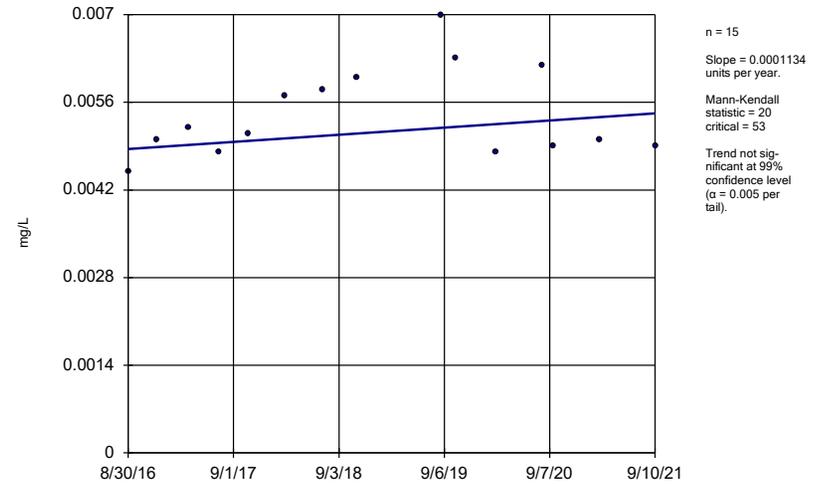
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-5



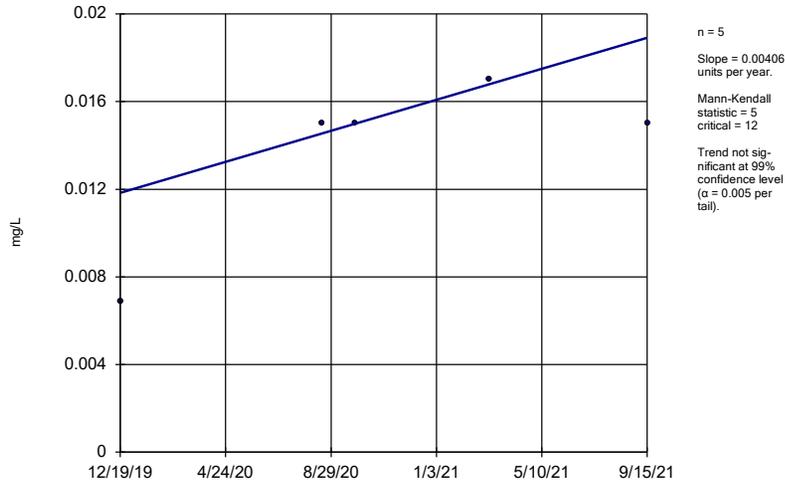
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-9



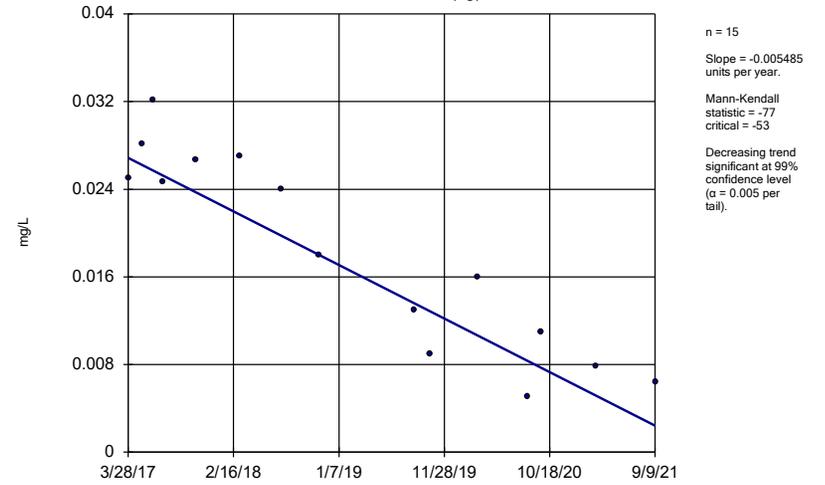
Constituent: Beryllium Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator B-93



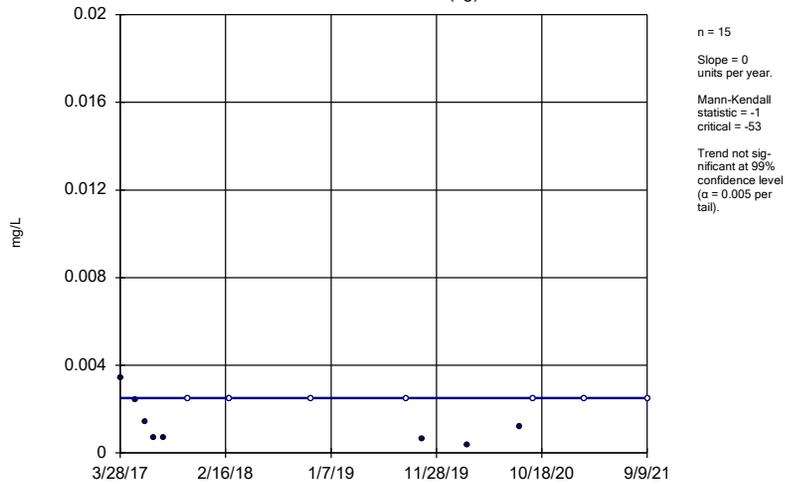
Constituent: Beryllium Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator DGWA-53 (bg)



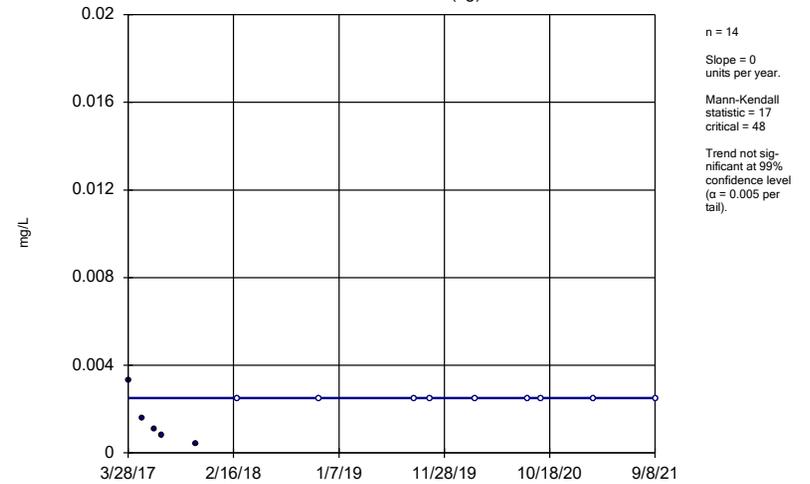
Constituent: Cobalt Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator DGWA-70A (bg)



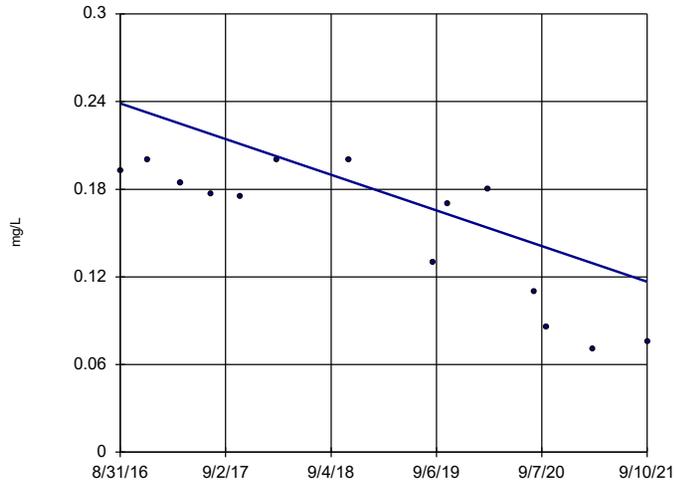
Constituent: Cobalt Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator DGWA-71 (bg)



Constituent: Cobalt Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

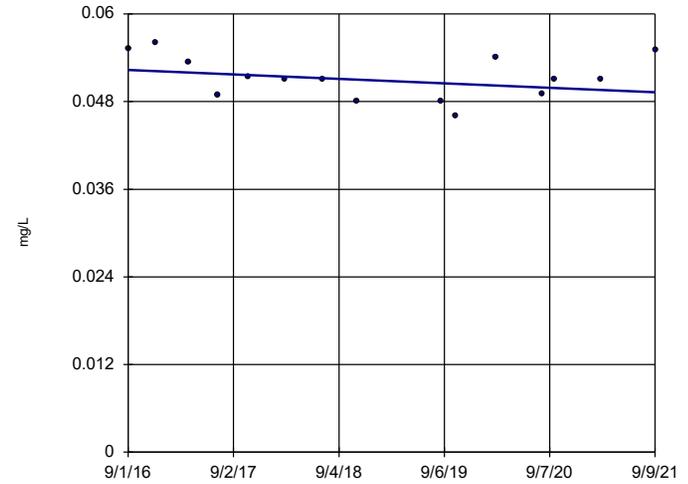
Sen's Slope Estimator
DGWC-10



n = 14
Slope = -0.02424
units per year.
Mann-Kendall
statistic = -58
critical = -48
Decreasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Cobalt Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

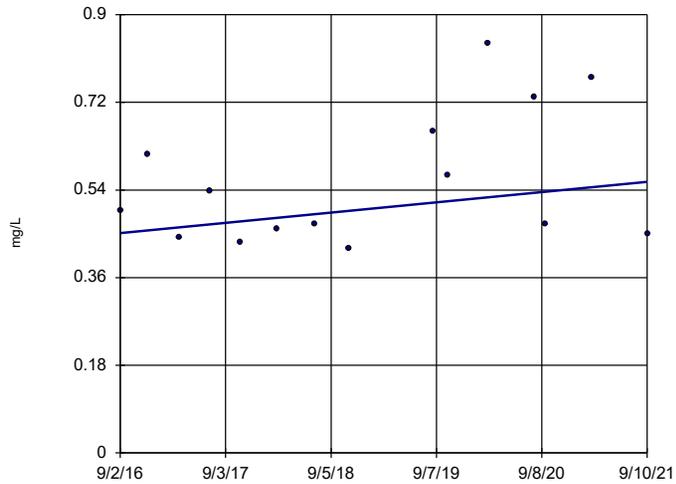
Sen's Slope Estimator
DGWC-19



n = 15
Slope = -0.0006109
units per year.
Mann-Kendall
statistic = -25
critical = -53
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Cobalt Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

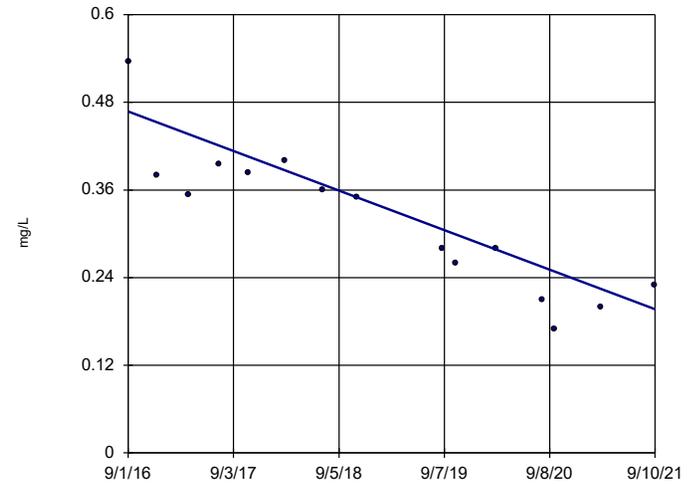
Sen's Slope Estimator
DGWC-20



n = 15
Slope = 0.02101
units per year.
Mann-Kendall
statistic = 20
critical = 53
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Cobalt Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

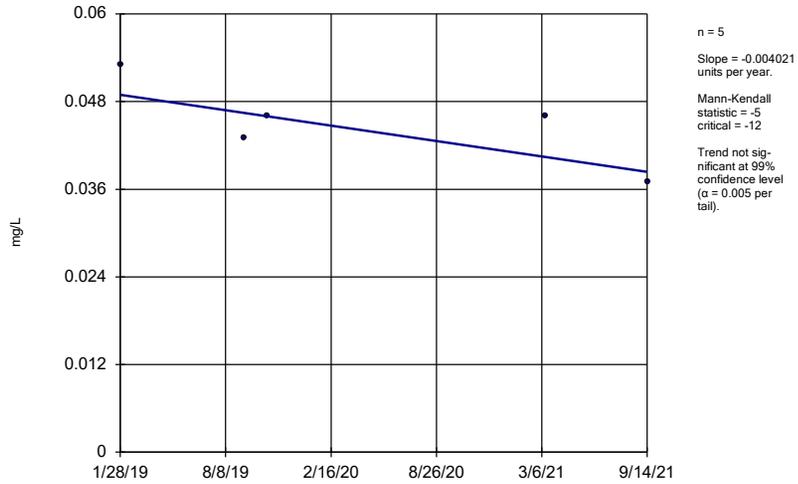
Sen's Slope Estimator
DGWC-47



n = 15
Slope = -0.05383
units per year.
Mann-Kendall
statistic = -76
critical = -53
Decreasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

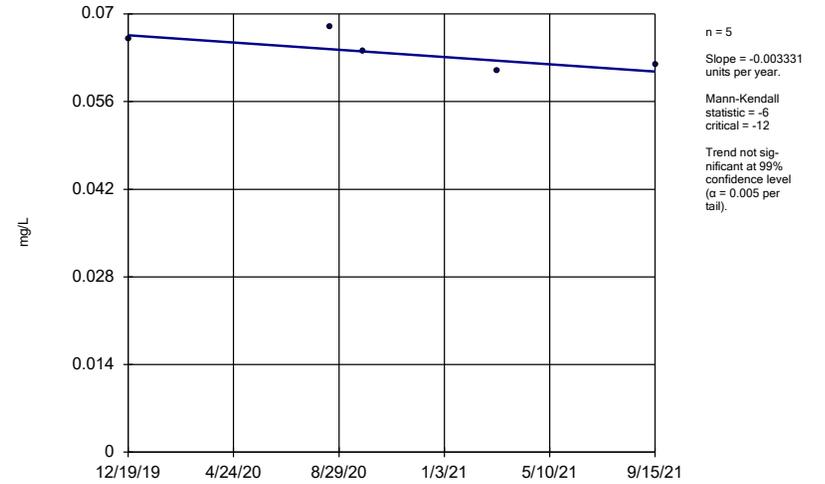
Constituent: Cobalt Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
B-63



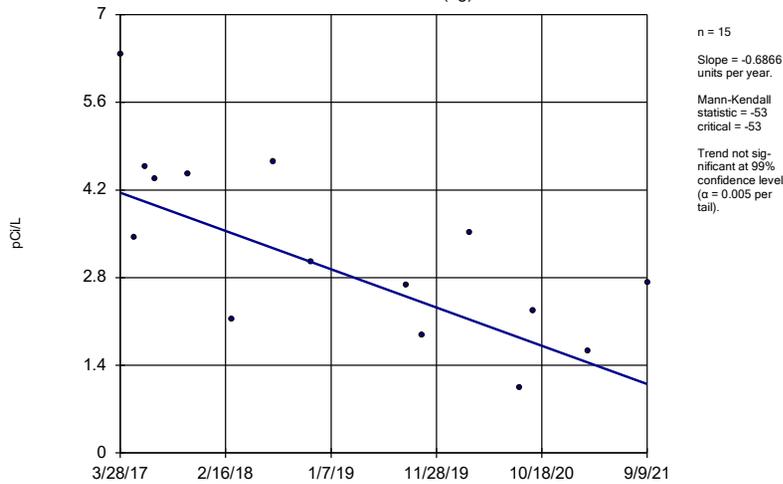
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
B-93



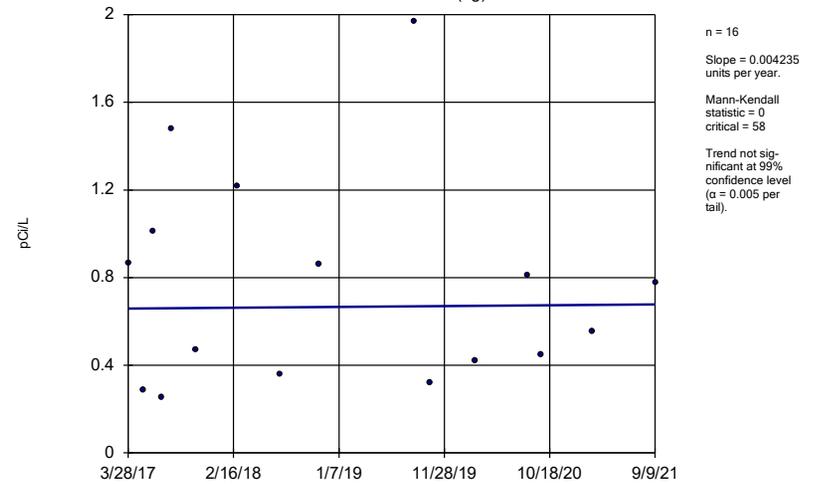
Constituent: Cobalt Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWA-53 (bg)



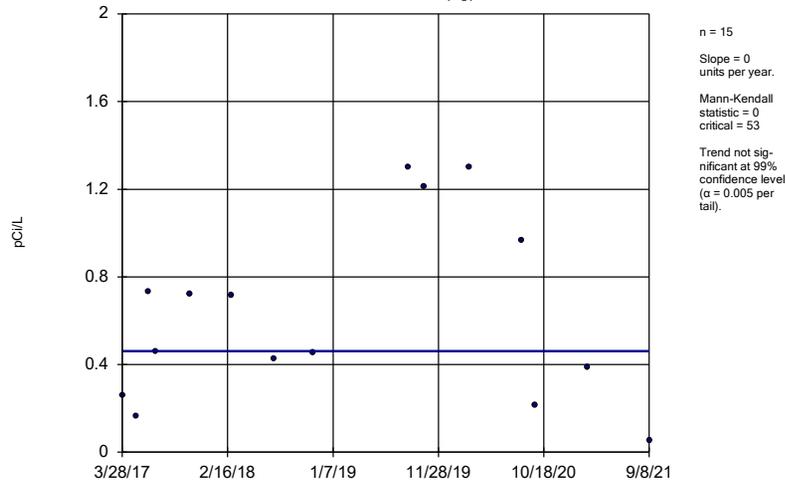
Constituent: Combined Radium 226 + 228 Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Tr
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWA-70A (bg)



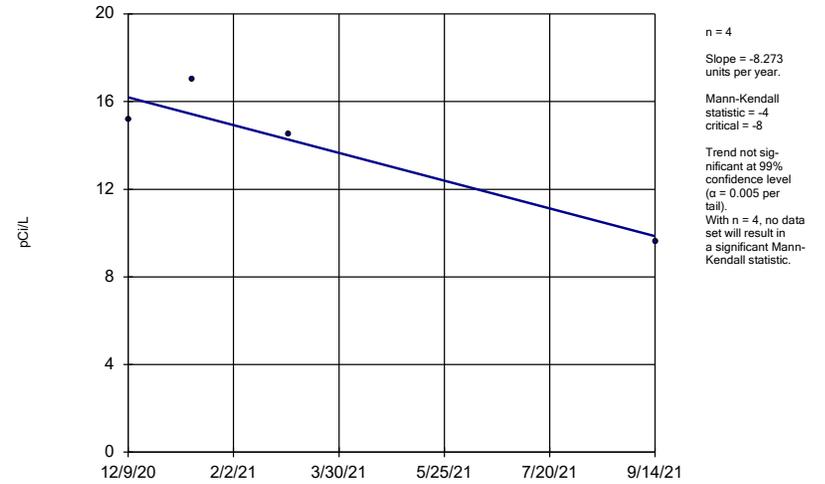
Constituent: Combined Radium 226 + 228 Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Tr
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator DGWA-71 (bg)



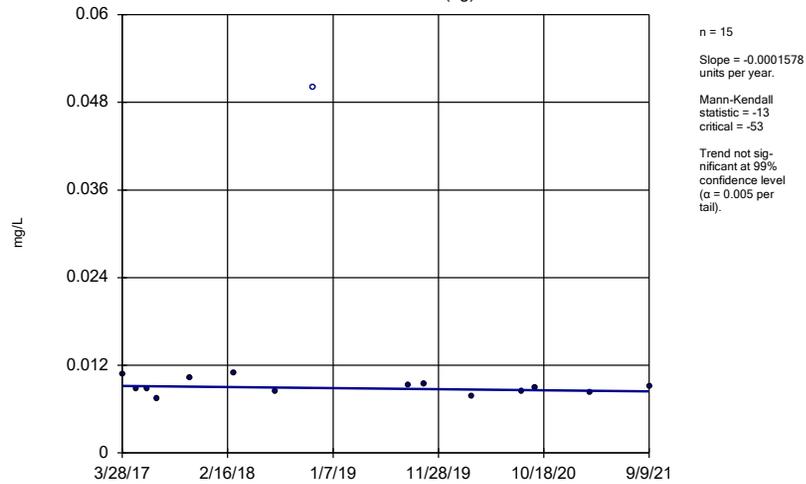
Constituent: Combined Radium 226 + 228 Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Tr
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator B-104D



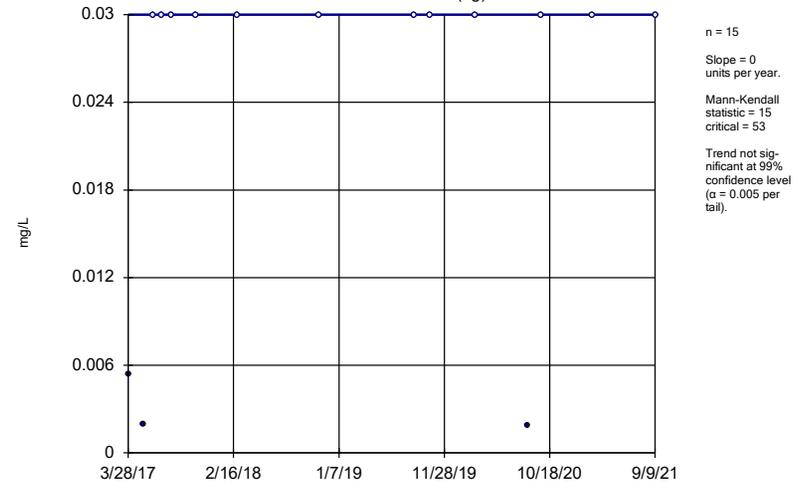
Constituent: Combined Radium 226 + 228 Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Tr
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator DGWA-53 (bg)



Constituent: Lithium Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

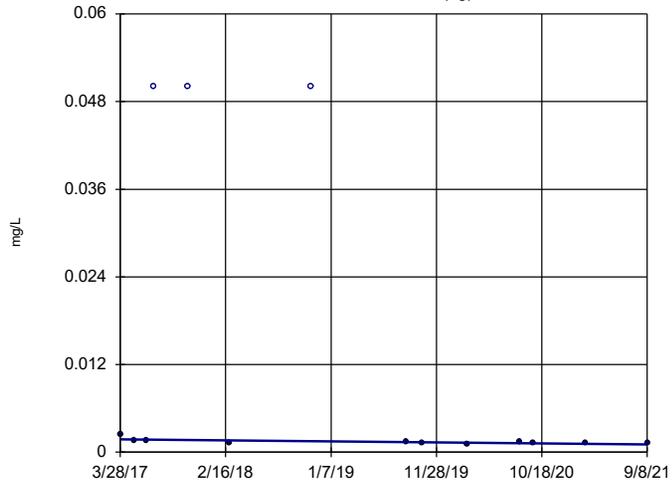
Sen's Slope Estimator DGWA-70A (bg)



Constituent: Lithium Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWA-71 (bg)

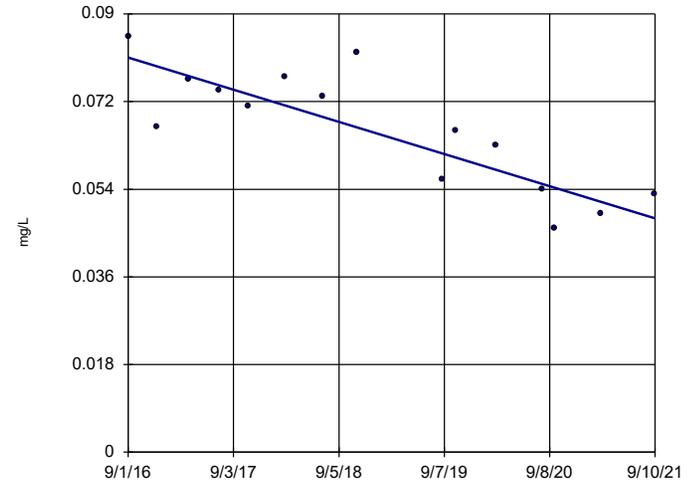


n = 14
Slope = -0.0001648
units per year.
Mann-Kendall
statistic = -41
critical = -48
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Lithium Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWC-47

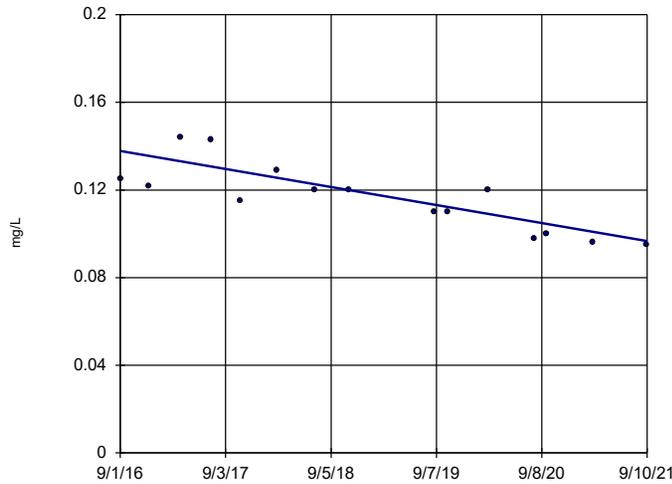


n = 15
Slope = -0.006577
units per year.
Mann-Kendall
statistic = -65
critical = -53
Decreasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Lithium Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWC-48

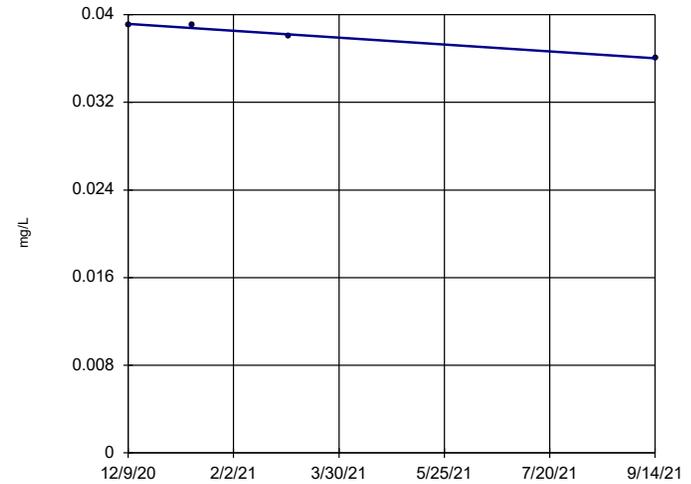


n = 15
Slope = -0.008187
units per year.
Mann-Kendall
statistic = -75
critical = -53
Decreasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Lithium Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

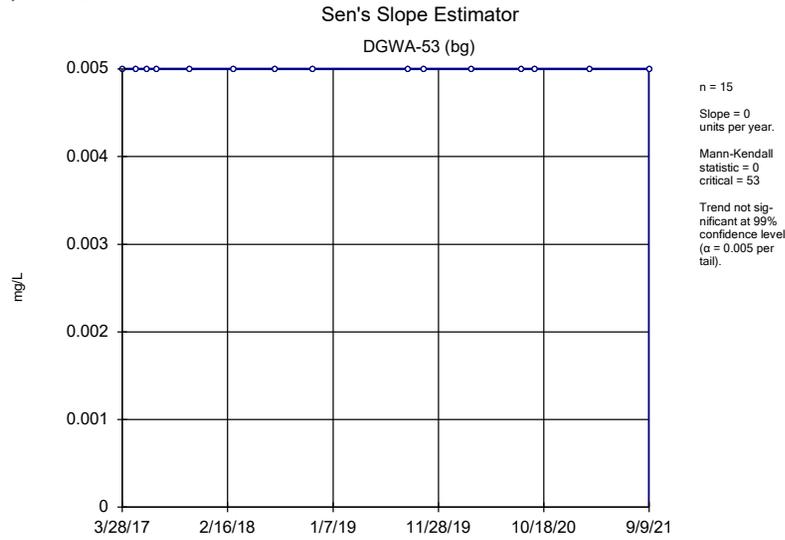
Sen's Slope Estimator

B-104D

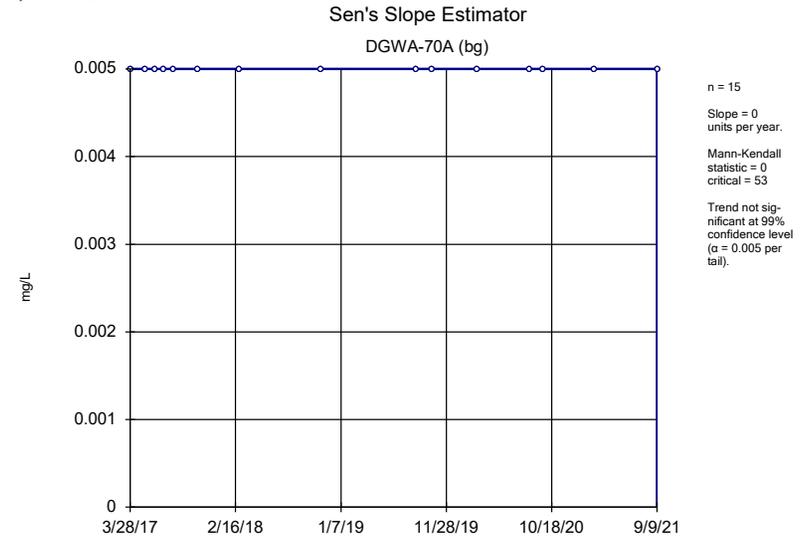


n = 4
Slope = -0.004109
units per year.
Mann-Kendall
statistic = -5
critical = -8
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).
With n = 4, no data
set will result in
a significant Mann-
Kendall statistic.

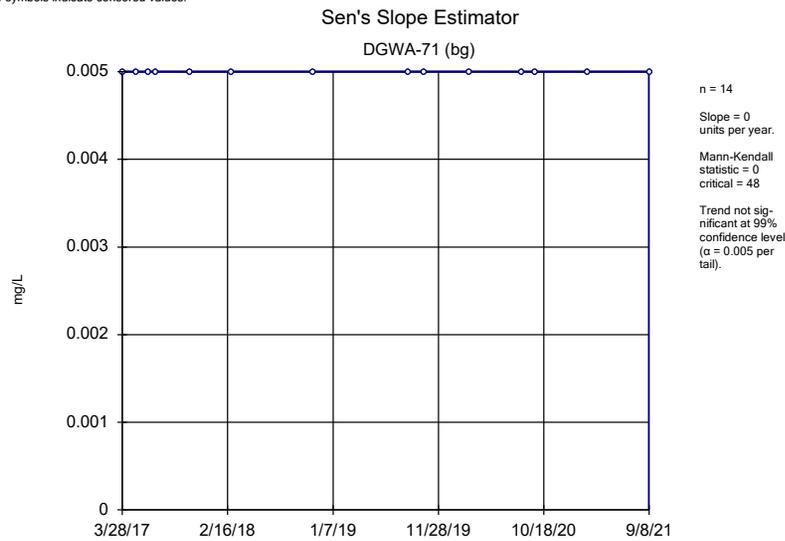
Constituent: Lithium Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP



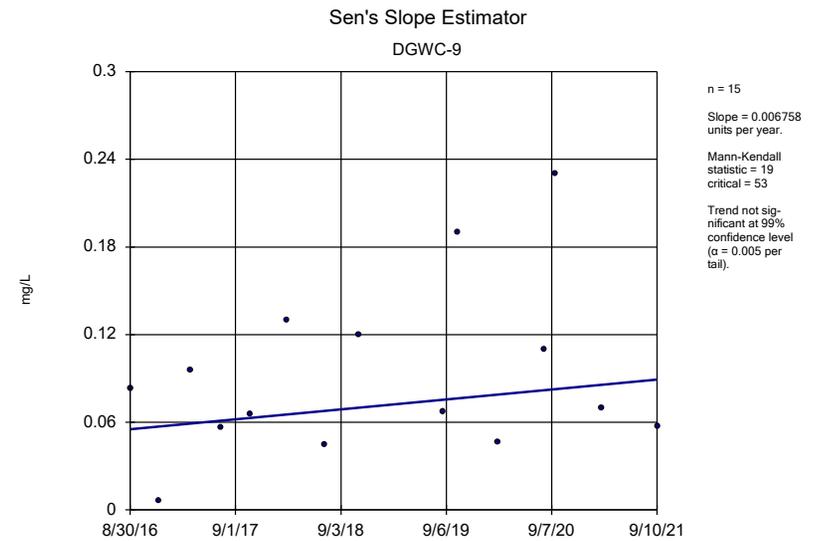
Constituent: Selenium Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP



Constituent: Selenium Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP



Constituent: Selenium Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP



Constituent: Selenium Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

APPENDIX E

**Semi-Annual Remedy Selection and Design
Progress Report**



REPORT

Semi-Annual Remedy Selection and Design Progress Report

Plant McDonough-Atkinson Ash Pond 2 and 3/4

Submitted to:

Georgia Power Company

241 Ralph McGill Boulevard, Atlanta, Georgia 30308

Submitted by:

Golder Associates USA Inc.

5170 Peachtree Road Building 100 Suite 300, Atlanta, Georgia, USA 30341

+1 770 496-1893

February 28, 2022

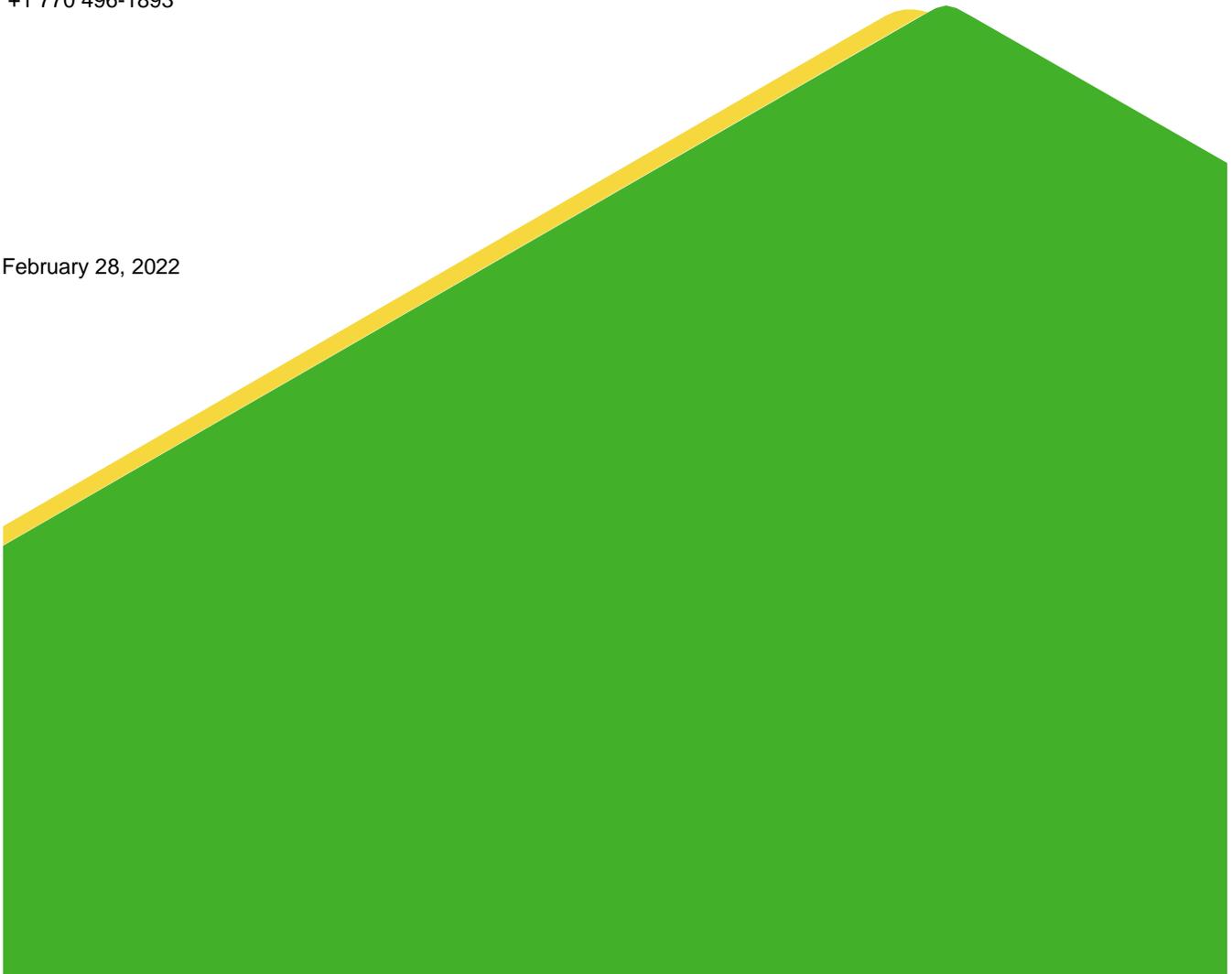


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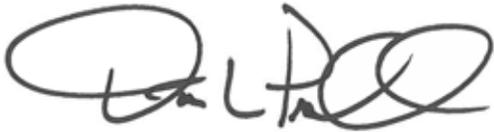
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Certification

This *Semi-Annual Remedy Selection and Design Progress Report, Georgia Power Company – Plant McDonough-Atkinson, Ash Pond 2 and Ash Pond 3/4 (AP-2 and 3/4)*, has been prepared in accordance with the United States Environmental Protection Agency coal combustion residual rule, specifically 40 Code of Federal (CFR) 227.97(a) and the Georgia Environmental Protection Division Rules for Solid Waste Management 341-3-4-.10(6)(a).

Golder Associates USA Inc.



Dawn L. Prell
Senior Hydrogeologist



Rachel P. Kirkman, PG
Georgia Professional Geologist No. 1756



Todd H. Rees, PhD, PE
Georgia Licensed Professional Engineer No. 047845

1.0 INTRODUCTION

In accordance with the United States Environmental Protection Agency (US EPA) coal combustion residuals (CCR) rule [40 Code of Federal Regulations (CFR) 257 Subpart D]; published in 80 FR 21302-21501, April 17, 2015 (CCR Rule; US EPA, 2015a), Golder Associates USA Inc. (Golder) has prepared this *Semi-Annual Remedy Selection and Design Progress Report Plant McDonough-Atkinson* (February 2022 Semi-Annual Progress Report) for Georgia Power the Company (Georgia Power) Plant McDonough-Atkinson Ash Pond 2, Ash Pond 3 and Ash Pond 4 (AP-2 and 3/4 or Site, or AP-2, AP-3, AP-4, respectively). Specifically, this semi-annual progress report has been prepared pursuant to 40 CFR § 257.97(a) and the Georgia Environmental Protection Division (GA EPD) Rules for Solid Waste Management 391-3-4-.10(6)(a). This semi-annual report documents activities conducted in support of the previously submitted *Assessment of Corrective Measures (ACM) Report – Plant McDonough-Atkinson Ash Pond 2 and AP-3/4* (ACM Report; Golder, 2020).

Plant McDonough, formerly a coal-fired power generating facility, was converted to a natural gas combined-cycle power generating facility in 2011. A Site location map is included as Figure 1.

Pursuant to § 257.96, Georgia Power initiated an ACM for AP-2 and 3/4 on July 9, 2020, to address the occurrences of arsenic, beryllium, cobalt and lithium in groundwater at statistically significant levels (SSLs). Subsequently, Georgia Power completed an ACM Report on December 4, 2020, and posted it to the CCR compliance website in January 2021. Since the submission of the ACM Report, selenium was identified as an SSL on January 28, 2021, at well DGWC-9. The ACM has since been amended to include evaluation for selenium in groundwater at DGWC-9.

As requested by GA EPD, an updated well survey of potential groundwater wells within a two-mile radius of Plant McDonough was conducted and consisted of reviewing federal, state, county records, and online sources. The findings from this survey are consistent to the previous well survey conducted in 2020 (NewFields, 2020). The survey is included in Appendix A.

In addition to the assessment monitoring program at the Site, Georgia Power conducted a human health and ecological risk evaluation to evaluate constituents present at SSLs in groundwater (i.e., arsenic, beryllium, cobalt, and lithium) at AP-2 and 3/4 (Wood, 2020). The evaluation provides one of many lines of evidence that will be evaluated and factored into the remedy selection process. Based on this risk evaluation, concentrations of arsenic, beryllium, cobalt and lithium detected in groundwater at AP-2 and 3/4 between August 2016 and March 2020 are not expected to pose a risk to human health or the environment (Wood, 2020). Arsenic, beryllium, cobalt and lithium data collected since March 2020 are consistent with the data used in the risk evaluation; therefore, the conclusions of the *2020 Risk Evaluation Report* are supported by current conditions. The risk evaluation will be updated to include selenium and radium (if necessary), and the results will be submitted with the final *Remedy Selection Report*.

1.1 Evaluation of Corrective Measures

Pursuant to § 257.97, Georgia Power is evaluating the potential corrective measures in the ACM Report to identify a remedy or combination of remedies as soon as possible. The following corrective measures are potentially feasible for use at AP-2 and 3/4:

- Geochemical Approaches (In-Situ Injection)
- Hydraulic Containment (Pump and Treat)

- In-Situ Solidification/Stabilization (ISS)
- Monitored Natural Attenuation (MNA)
- Permeable Reactive Barrier (PRB)
- Phytoremediation
- Subsurface Vertical Barrier Wall (SVBW).

An evaluation of remedial technologies is presented in Table 1. As required by the CCR rule, this semi-annual progress report describes the progress made in selecting and designing a remedy, as well as to incorporate the SSLs of cobalt at B-63 and lithium and radium at well B-104D.

The following remedial alternatives have been retained for further evaluation:

- **Geochemical Approaches (In-Situ Injection):** Use of an injection well network, or other means of introducing reagents or air into the subsurface, to provide suitable reagents for either anaerobic or aerobic attenuation of constituents present at SSLs including, arsenic, beryllium, cobalt, lithium and selenium. Under anaerobic conditions, arsenic would be attenuated within sparingly soluble sulfide minerals. Under aerobic conditions, soluble iron or manganese and oxygen (either via air sparging or through a chemical oxidant) would be injected to promote the formation of iron or manganese (oxy-) hydroxides for subsequent sorption of arsenic, beryllium, cobalt, selenium and to a lesser degree lithium onto these mineral phases. If sufficient iron is present in groundwater, the use of air sparging alone may be considered to precipitate iron (oxy-) hydroxides for sorption. In-situ chemical oxidation (ISCO) or in-situ chemical reduction (ISCR) can be used to chemically alter the redox environment in the subsurface to affect the mobility of certain inorganic compounds.
- **Hydraulic Containment (Pump and Treat):** Hydraulic containment involves extracting groundwater from wells or collection trenches to depress the water table and locally control the flow of groundwater. The proposed technology for a pump-and-treat system would include the installation of vertical and/or angled groundwater extraction wells downgradient of the source area. Groundwater extraction wells are feasible to install and can be designed and screened in the unconsolidated saprolite, transition zone, and fractured bedrock materials at the Site for effective hydraulic capture. Groundwater extraction wells installed in bedrock can alternatively be completed as open-hole borings to maximize groundwater removal from multiple water-bearing fracture zones at varying depths.
- **Monitored Natural Attenuation (MNA):** MNA relies on natural attenuation processes to achieve site-specific remediation objectives within a reasonable time frame relative to more active methods. Under certain conditions (e.g., through sorption, mineral precipitation or oxidation-reduction reactions), MNA effectively reduces the dissolved concentrations of inorganic constituents in groundwater. MNA is a suitable option at the Site for the following reasons: Concentrations of the target constituents showing SSLs are stable, decreasing, or are not increasing over time based on several years of monitoring data; Iso-concentration maps show the SSL constituents are well-defined and limited in extent; and dewatering and installation of closure-cover at the Site favors restoration of natural (pre-impoundment) groundwater flow

The following remedial alternatives have been removed from consideration:

- **In-Situ Solidification Stabilization (ISS)** – AP-2 and 3/4 is currently undergoing a closure process that includes dewatering and consolidation of ash. Ash remaining in place is unsaturated, and capped, with very little moisture or infiltration rendering this remedial alternative unneeded. Other retained options are more effective in addressing groundwater corrective action.
- **Permeable Reactive Barrier (PRB)** - Other retained options are more suitable for corrective action rather than the installation of a PRB for the following reasons. A PRB can attenuate some CCR constituents at the Site, but this technology is prone to biofouling and excessive mineral precipitation, and subsequently reducing the effectiveness of the adsorption media over time. The lack of space between the unit boundary and the property line makes it a less suitable option at many areas downgradient of AP-2, and 3/4. Further, construction of a PRB is likely to impede or restrict restoration of natural groundwater flow across AP-3/4.
- **Phytoremediation:** Other retained options are more suitable for corrective action rather than phytoremediation and the use of TreeWells®. In areas north and northeast of AP-3/4 limited space is available between the CCR unit boundary and the property boundary. This combined with the presence of Site utilities makes this alternative unfeasible in this area. For areas south of AP-3, pH is the driver for the elevated cobalt concentrations. Phytoremediation is not a feasible alternative to address low pH conditions. For these reasons, phytoremediation has been removed from consideration.
- **Subsurface Vertical Barrier Wall (SVBW)** - The approved closure method, including dewatering and capping the unit and consolidation and drying of the ash to a smaller footprint, makes constructing a SVBW outside the perimeter of the AP-2 and 3/4 boundary unnecessary.

1.2 Adaptive Site Management

Georgia Power proactively initiated adaptive Site management as outlined in the ACM Report (Golder, 2020) to support the groundwater remedy selection process and address potential changes in Site conditions as appropriate during the ash pond closure. The adaptive Site management approach takes existing Site conditions, including natural attenuation mechanisms into account. Characterization activities to evaluate attenuation mechanisms at the Site may include collection of data necessary to progressively evaluate the existing and long-term effectiveness of these processes in the aquifer and reduce uncertainty for decision making at each screening step as listed in the US EPA guidelines for MNA (US EPA 2007, 2015b). In 2007, the US EPA issued MNA technical guidance specific to inorganic contaminants (US EPA, 2007) that contained four “tiers.” The 2015 MNA guidance retains these four “tiers,” but describes them as “phases” as described below (US EPA, 2015b). This 2015 MNA document for inorganic contaminants expands on and is designed to be a companion to the 1999 MNA guidance.

- **Phase I:** Demonstration that the groundwater plume is *not expanding*.
- **Phase II:** Determination that the *mechanism and rate* of the attenuation process are sufficient.
- **Phase III:** Determination that the *capacity* of the aquifer is sufficient to attenuate the mass of contaminant within the plume and the *stability* of the immobilized contaminant is sufficient to resist re-mobilization.
- **Phase IV:** Design of a *performance monitoring program* based on an understanding of the mechanism of the attenuation process, and establishment of contingency remedies tailored to site-specific characteristics.

Georgia Power will address Phase IV as appropriate during the development of the future corrective action monitoring plan, after the final remedy selection report.

2.0 AP-2 AND 3/4 CLOSURE ACTIVITIES

At AP-2, closure by removal of ash was completed in September 2016. Closure procedures included excavating all visible ash, over excavating into the subgrade soils, and placement of topsoil and seeding for vegetative cover. A closure certification report was submitted to GA EPD on March 30, 2020, and receipt acknowledged on October 14, 2020. AP-3 and adjacent AP-4 are currently being consolidated and closed in place as combined unit AP-3/4 in accordance with § 257.102(d), no longer receive CCR, and are in the process of obtaining a solid waste permit under the GA EPD Rules for Solid Waste Management 391-3-4-.10(6).

At AP-3/4, closure is nearly complete. CCR in the eastern portion of AP-4 has been relocated to the western portion of AP-4 as well as dry stacked on AP-3. Over excavation is currently underway. During closure, AP-3 and AP-4 are being dewatered as required to facilitate consolidation and closure in place. CCR will be graded within the footprint of the impoundment to create a subgrade for the final cover system. Additional dewatering has commenced to facilitate lowering of the dam. This process is expected to result in groundwater flow returning to its original, pre-construction flow direction to the south.

The *Closure Plan* (Golder, 2019) was prepared in accordance with § 257, Subpart D and meets the requirements of § 257.102(b) and following complete closure, maintenance will be provided on the final cover system for the required post-closure care period so that the integrity and effectiveness of the final cover system is maintained.

3.0 SUMMARY OF WORK COMPLETED

The following sections summarize field investigation activities and supplemental data collected since the previous *Semi-Annual Remedy Selection and Design Progress Report* (Golder 2021a) to support Site characterization and delineation of Appendix IV SSLs, as well as evaluation of the corrective measures presented in the ACM Report. These data will be used to evaluate the feasibility, mechanisms, rates, and stability of identified remedial alternatives, including MNA as a corrective action for groundwater impacts from AP-2 and 3/4. An evaluation of these data as they relate to remedy selection alternatives is ongoing and will be presented in a future report(s).

Groundwater Sampling

In September 2021, groundwater samples were collected from detection and assessment monitoring wells and analyzed for Appendix III and Appendix IV constituents. Results of this sampling event are provided in the *2021 Semi-Annual Groundwater Monitoring and Corrective Action Report* (Golder, 2021b). Statistical analysis of the Appendix IV data will occur after four sampling events have been completed to construct the confidence intervals required to evaluate and confirm potential SSLs. Georgia Power will continue to monitor the assessment wells and adaptively manage the Site as new data become available.

Surface Water Sampling

Due to the proximity of the surface water body downgradient of AP-2 and 3/4, Georgia Power collected surface water samples from the Chattahoochee River downgradient of AP-2 and 3/4 on September 7, 2021. Results of these sampling events are presented in Appendix A of the *2021 Semi-Annual Groundwater Monitoring and Corrective Action Report* (Golder, 2021b). Cobalt has not been detected in the Chattahoochee River. Georgia Power will continue to collect surface water samples on a semi-annual basis.

SSL Constituent Trend Analyses

Based on GA EPD guidance, upgradient wells and wells with SSLs were further evaluated by Groundwater Stats Consulting (GSC) using the Sen’s Slope/Mann Kendall trend test (Appendix B). The full report generated from the analyses is provided in Appendix B of the *2021 Semi-Annual Groundwater Monitoring and Corrective Action Report* (Golder, 2021b). Statistically significant trends were identified for the following well/constituent pairs:

- Increasing trends: Cobalt at DGWC-9
- Decreasing trends: Beryllium at DGWC-70A and DGWC-47
 Cobalt at DGWA-53, DGWC-8, DGWC-9, DGWC-10, DGWC-47, and DGWC-48
 Lithium at DGWC-47 and DGWC-48.

The lack of increasing trends at wells where SSLs have been identified along with some decreasing trends confirms the chemical stability of the groundwater. Where SSLs have been identified, the “plume” appears to be stable.

3.1 Nature and Extent Delineation

CCR compliance groundwater monitoring-related activities have been performed for AP-2 and 3/4 since September 2016 pursuant to the CCR rule. Georgia Power initiated an assessment monitoring program in November 2019 after identifying statistically significant increases (SSIs) of Appendix III parameters in groundwater. Pursuant to § 257.95, samples were collected from the compliance monitoring wells and analyzed for Appendix IV constituents.

The July through December 2021 assessment monitoring groundwater data show SSLs at concentrations that exceed the state and/or federal Groundwater Protection Standards (GWPS) as presented in the table below. Details are provided in the *2021 Semi-Annual Groundwater Monitoring and Corrective Action Report* (Golder, 2021b).

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-93
Cobalt	DGWC-8, DGWC-9, DGWC-10, DGWC-19, DGWC-20, DGWC-47, DGWC-48, B-56, B-63, B-93
Lithium	DGWC-47, DGWC-48, B-104D
Selenium	DGWC-9
Combined Radium	B-104D

The locations of the Site monitoring wells and piezometers are shown on Figures 2. Table 2 provides a summary of well construction details for each of the Site wells and piezometers. Potentiometric surface maps showing the October 2021 potentiometric surface elevations are provided on Figures 3A and 3B.

Horizontal and Vertical Delineation

To characterize the nature and extent of target constituents, multiple piezometers have been installed and sampled at the Site (Golder, 2022); refer to the table below for delineation status. 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 piezometers. Figures 4 through 9 present isoconcentration contours for each of the constituents with an exceedance of the GWPS: arsenic, beryllium, cobalt, lithium, selenium and combined radium.

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-93, B-98, Flow is toward AP-4 ^[4]
DGWC-8	Cobalt	B-106D ^[1]	B-88, Flow is toward AP-4 ^[4]
DGWC-9	Arsenic	B-101D ^[1]	DGWC-10, Flow is toward AP-4 ^[4]
	Selenium	B-101D ^[1]	DGWC-10, Flow is toward AP-4 ^[4]
	Beryllium	B-101D ^[1]	DGWC-11, Flow is toward AP-4 ^[4]
	Cobalt	B-101D ^[1]	DGWC-11, Flow is toward AP-4 ^[4]
DGWC-10	Beryllium	B-102D	DGWC-11, Flow is toward AP-4 ^[4]
	Cobalt	B-102D	DGWC-11, Flow is toward AP-4 ^[4]
DGWC-19	Cobalt	B-107D ^[1]	B-77
DGWC-20	Cobalt	B-108D ^[1]	B-83
DGWC-47	Beryllium	B-103D ^[2] / B-115D ^[1]	B-77
	Cobalt	B-103D ^[2] / B-115D ^[1]	B-77
	Lithium	B-103D ^[2] / B-115D ^[1]	B-77
DGWC-48	Beryllium	B-104D / B-115D ^[1]	B-83
	Cobalt	B-104D / B-115D ^[1]	B-83
	Lithium	B-104D / B-115D ^[1]	B-83
B-56	Cobalt	B-101D ^[1]	B-66, Flow is toward AP-4 ^[4]
B-63	Cobalt	Pending ^[3]	DW_US
B-93	Beryllium	B-111D	B-98, Flow is toward AP-4 ^[4]
	Cobalt	B-111D	B-98, Flow is toward AP-4 ^[4]
B-104D	Lithium	Pending ^[3]	Pending ^[3]
	Combined Radium	Pending ^[3]	Pending ^[3]

Notes:

- [1] Delineation status is pending additional data collection at locations B-101D, B-106D, B-107D, B-108D, B-111D, and B-115D. A minimum of four data points is needed to perform the required statistical analyses.
- [2] B-103D was completed as a vertical delineation well adjacent to DGWC-47. B-103D did not yield sufficient water for representative sampling because it is screened in highly competent rock.

[3] Recent SSL and is pending delineation.

[4] Where groundwater flow is inward, toward AP-4, we have indicated delineation is complete.

Based on review of the analytical results, statistical analyses and the isoconcentration contours, horizontal and vertical delineation ongoing. Details regarding the specific well pairs used for delineation and the status of delineation is described in detail in the *2021 Semi-Annual Groundwater Monitoring and Corrective Action Report* (Golder, 2021b).

3.2 Supplemental Data Collection

Additional field investigation activities and data analysis have been performed to evaluate alternate sources of constituents of concern as well as possible remedial alternatives. A summary of these data is described below.

Chemical Analysis

Chemical analysis of soils/rock for Uranium-235, Uranium-238, Thorium-232, Thorium-235, and Radium 228 was completed as part of a radium source study to document the naturally occurring radium at the Site. Rock core samples from the screened intervals at B-104D, B-109D, B-111D, B-115D, B-116D, B-117D, and B-119D were submitted to Pace Analytical Laboratories of Peachtree Corners, GA for these analyses. Results of these analyses are presented were presented in the previous semi-annual remedy selection report (Golder, 2021b). Evaluation of these data confirms the presence of naturally-occurring radium at the site and an alternate source demonstration (ASD) to address the presence of radium in Site groundwater will be submitted under separate cover following the timelines specified in 257.94.

4.0 UPDATED SITE CONCEPTUAL SITE MODEL

The additional data collected since the issuance of the ACM, together with new data evaluation tools and interpretations (described in the previous semi-annual remedy selection report), allow the development of a more refined conceptual site model (CSM). The following summarizes the current understanding of the CSM within the context of selecting an appropriate groundwater corrective measure for AP-2 and 3/4.

- Data collected during this reporting period are consistent with the CSM as described in Hydrogeologic Assessment Report (HAR; Golder, 2022).
 - Groundwater elevations recorded from Site monitoring wells have been used to further refine the Site potentiometric surface contour map. The groundwater flow direction interpreted during the October 2021 water level gauging event, as shown on Figure 3, 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 for the time being.
 - Data from additional vertical delineation wells was used to refine the bedrock surface contour map. Minor modifications to the bedrock surface have been documented in the HAR and do not significantly impact the CSM (Golder, 2022)
- Delineation data collected have been incorporated into the Site HAR and provide evidence for:

- Horizontal delineation for arsenic, beryllium, cobalt, lithium, and selenium is complete with sampling of on-site wells or surface water from the Chattahoochee River.
- Vertical delineation is complete for beryllium and cobalt at DGWC-10.
- Vertical delineation is ongoing, pending additional data collection at monitoring wells B-101D, B-106D, B-107D, B-108D, B-111D, and B-115D; a minimum of four data points is necessary to complete statistical analyses.
- Vertical delineation for DGWC-47 was attempted with well (B-103D) but the well did not yield significant amounts of water for representative sampling. Water-bearing fractures were not identified during drilling to a depth that exceeds 80 feet below ground surface. The bedrock unit is highly competent with limited connectivity within the unit, where groundwater flow only occurs within discrete fractures. As such, additional deeper delineation wells may not be feasible. However, given the preferential pathway is through the overburden and transitionally weathered rock (TWR), additional deeper wells in bedrock may not yield sufficient and representative water for sampling.

5.0 CORRECTIVE MEASURES ALTERNATIVES

Based on the data collected to date, three of the seven potential corrective measures being evaluated for AP-2 and 3/4 are retained for further evaluation. Table 1 presents a summary of each of the remedial alternatives presented as part of the ACM Report. Table 3 provides a summary of additional data planned to be collected to further evaluate the feasibility of the remaining alternatives. The retention evaluation (Retained for Further Evaluation or Not Retained) for each potential remedial alternative is included on Table 1. The following three remedial alternatives have been retained for further consideration:

- Geochemical Approaches (In-Situ Injection)
- Hydraulic Containment (Pump and Treat)
- Monitored Natural Attenuation (MNA)

6.0 PLANNED ACTIVITIES

Georgia Power has initiated activities as outlined in the ACM Report (Golder, 2020a) to support the groundwater remedy selection process and address potential changes in Site conditions as appropriate. The adaptive Site management approach toward remedy selection may be adjusted over the Site's life cycle as new Site information and technologies become available. To this end, Georgia Power will continue its data collection efforts as necessary in support of efforts to refine the CSM and to further evaluate the feasibility of each corrective measure identified in the ACM Report.

Supplementary data collection and evaluation activities proposed to be completed within the next 6 months are presented on Table 3, with the key elements summarized below.

- Evaluate natural sources of radium at the site.
- Vertical delineation will continue to be evaluated following additional data collection. Statistical analyses will be completed following the collection of the minimum of four data points. Additional monitoring wells will be

installed as needed to complete vertical delineation at the site. A new SSL for cobalt was identified at well B-63. In response, monitoring well B-122D will be installed adjacent to monitoring well B-63 to evaluate vertical migration at this location. A new SSL for lithium was identified in delineation well B-104D. The concentration of lithium in B-104D is below the Regional Screening Level of 0.04 mg/L. Adoption of the RSL by Georgia EPD will eliminate the statistical exceedance at this well. No further delineation is currently planned at this location. An additional deeper monitoring well adjacent well B-115 will be evaluated following collection of additional data and completion of statistical analyses at this location.

- Collect additional groundwater quality data to complete statistical analyses of delineation data. In addition to Appendix III/IV constituents, samples may also be analyzed for major cations/anions and other parameters for characterization of groundwater and to evaluate plume stability.
- Groundwater samples will be collected from select wells at AP-2 and 3/4 for jar/column testing. Jar/Column testing is planned to provide insight into how flow rates and residence times (pore volumes) and amendment dosage may impact the outcome for in-situ injections. Injection scenarios will be further refined as results are evaluated.
- Geochemical modeling and evaluation will be performed to evaluate the cause of the cobalt exceedances at wells DGWC-19, DGWC-20, DGWC-47 and DGWC-48 and the likelihood that it is due to consistently low pH in that area (<5.0), while near to and surrounding AP-2 and 3/4 have a relatively higher pH (5.5 to 7.0).
- Site specific data, including jar testing results, sequential extraction procedure (SEP) results and Site groundwater data, will be compiled for geochemical modeling. Geochemical modeling will be initiated following construction and calibration of the transient flow model. This modeling will take into consideration the site-specific groundwater quality, aquifer solids data, and transient flow conditions to calculate site-specific capacity, adsorption, desorption (long-term stability) as applicable for MNA.
- Groundwater flow modeling will be performed to evaluate various potential treatments including potential in-situ treatment and hydraulic containment.

Georgia Power will continue to prepare semi-annual progress reports to document AP-2 and 3/4 groundwater conditions, results associated with additional data collection, and the progress in selecting and designing a groundwater remedy in accordance with § 257.97(a). Georgia Power will include future semi-annual progress reports in routine groundwater monitoring and corrective action reports to meet the requirements of § 257.105(h)(12), § 257.106(h)(9), and § 257.107(h)(9), respectively.

7.0 REFERENCES

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TABLES

TABLE 1
Evaluation of Remedial Technologies
 Georgia Power – Plant McDonough-Atkinson Ash Pond 2 and 3/4
 Atlanta, Georgia

Corrective Measure	REGULATORY CITATION FOR CRITERIA: 40 CFR 257.96(C)(1)		
	Description	Performance	Reliability
Geochemical Approaches (in situ injection)	Use of an injection well network, or other means of introducing reagents or air into the subsurface, to provide suitable reagents for either anaerobic or aerobic attenuation of arsenic (As), beryllium (Be), cobalt (Co), lithium (Li) and selenium (Se). Under anaerobic conditions, As would be attenuated within sparingly soluble sulfide minerals. Under aerobic conditions, soluble iron or manganese and oxygen (either via air sparging or through a chemical oxidant) would be injected to promote the formation of iron or manganese (oxy-) hydroxides for subsequent sorption of As, Be, Co, Se and to a lesser degree Li onto these mineral phases. If sufficient iron is present in groundwater, the use of air sparging alone may be considered to precipitate iron (oxy-) hydroxides for sorption. In-situ chemical oxidation (ISCO) or in-situ chemical reduction (ISCR) can be used to chemically alter the redox environment in the subsurface to affect the mobility of certain inorganic compounds, including As.	The effective immobilization of As, Be, Co, Li and Se has been shown under aerobic and anaerobic conditions; however, the anaerobic approach (involving the injection of an electron donor together with iron or manganese and sulfur) requires careful study and testing. While aerobic approaches are somewhat less complex, additional aquifer characterization is needed to further evaluate these options.	Reliability dependent on permeability of the subsurface and the amount and distribution of secondary iron or manganese (oxy-) hydroxides (for aerobic approach), or electron donors and soluble iron or manganese and sulfur that can be consistently distributed (for anaerobic approach). Reliable technology if injected materials can be distributed throughout the impacted aquifer. Bench- and/or pilot-scale treatability testing programs are needed to understand the biogeochemical processes that would effectively reduce migration of As, Be, Co, Li and Se in groundwater.
Hydraulic Containment (pump- and-treat)	Hydraulic containment refers to the use of groundwater extraction to induce a hydraulic gradient for hydraulic capture or control the migration of impacted groundwater. This approach uses extraction wells or trenches to capture groundwater, which may subsequently require above-ground treatment and permitted discharge to a receiving water feature, reinjection into the groundwater, or reuse (e.g., land application, CCR conditioning, etc.). It is applicable to a variable mix of inorganic constituents, including dissolved As, Be, Co, Li and Se.	Pump and treat (P&T) is effective at providing hydraulic control, but it is unclear whether full groundwater remediation can be achieved without further understanding attenuation mechanisms at the Site. At AP-2 & 3/4, implementation of the corrective measure is contingent on completing additional assessment activities (i.e., high-resolution site characterization, additional pump tests, flow modeling, and capture zone analysis). This is needed to refine the constituent distribution in the subsurface to target specific zones for pumping for improved mass recovery efficiency/ effectiveness and to further evaluate the potential remedy performance.	Generally reliable for hydraulic containment, but uncertainty exists whether groundwater remediation goals can be achieved within a reasonable time frame without further understanding attenuation mechanisms.
In-Situ Solidification / Stabilization (ISS)	In-situ stabilization (ISS) is a technique that uses mixing of the CCR with additives to solidify the material in place and reduce future dissolution of CCR compounds from the stabilized material. Additives typically include Portland cement, and the solidification is completed in-situ using large diameter augers. CCR located beneath the water table would be isolated by ISS.	Medium to high, groundwater impacts would be addressed through the processes of natural attenuation. This alternative would isolate/secure the source in a bound matrix, and over time, allow the concentrations of COCs in downgradient groundwater to decline to below applicable standards.	In-situ stabilization can be a reliable corrective measure for As, Be, Co, Li and Se in groundwater. Reliability is dependent on the permeability of the subsurface and mechanics of injection.

TABLE 1
Evaluation of Remedial Technologies
 Georgia Power – Plant McDonough-Atkinson Ash Pond 2 and 3/4
 Atlanta, Georgia

Corrective Measure	REGULATORY CITATION FOR CRITERIA: 40 CFR 257.96(C)(1)		
	Description	Performance	Reliability
Monitored Natural Attenuation (MNA)	MNA relies on natural attenuation processes to achieve site-specific remediation objectives within a reasonable time frame relative to more active methods. Under certain conditions (e.g., through sorption, mineral precipitation or oxidation-reduction reactions), MNA effectively reduces the dissolved concentrations of inorganic constituents in groundwater. Attenuation mechanisms for inorganic constituents at CCR sites, including As, Be, Co, Li and Se at AP-2 & 3/4, are either physical (e.g., dilution, dispersion, flushing, and related processes) or chemical (sorption or oxidation reduction reactions). Chemical attenuation processes include precipitation, and sorption reactions such as adsorption on the surfaces of soil minerals, absorption into the matrix of soil minerals, or partitioning into organic matter. Further, oxidation-reduction (redox) reactions, via abiotic or biotic processes, can transform the valence states of some inorganic constituents to less soluble and thus less mobile forms. For Be and Li, the main attenuation processes include sorption to iron and manganese oxides.	Physical and chemical MNA mechanisms for As, Be, Co, Li and Se, including dilution, dispersion, sorption, and oxidation reduction reactions can be effective at achieving groundwater protection standards (GWPS) within a reasonable time frame. Attenuation processes for As, Be, Co, Li and Se are already occurring at the site as evidenced by groundwater data from the delineation wells. Source control will improve the mass balance such that the buffer capacity of the aquifer is unlikely to be exhausted, and the attenuation processes already at work for As, Be, Co, Li and Se at AP-2 & 3/4 will further enhance ongoing MNA.	Reliable as long as sufficient attenuation capacity is present. MNA is reliable and can either be used as a stand-alone corrective measure for groundwater impacted by dissolved As, Be, Co, Li and Se, or in combination with a second technology.
Permeable Reactive Barrier (PRB)	Permeable reactive barrier (PRB) technology typically involves the installation of a permeable subsurface wall constructed with reactive media for the removal of constituents as groundwater passes through. Either ZVI-Carbon matrix or solid carbon (bio-barrier) are currently proposed for the concurrent removal of As, Be, Co, Li and Se. The carbon could be composed of peat moss, mulch or another carbon source. Exact placement of the PRB is contingent on finalization of the nature and extent characterization. PRB walls are typically keyed into the bedrock. While the shallow groundwater in the residuum and fractured bedrock is connected to the groundwater in more competent bedrock, the higher permeability/conductivity of the PRB is not expected to impede groundwater flow. PRBs can also be constructed as “funnel and gate” systems, where a barrier wall directs groundwater to a smaller “treatment gate” filled with reactive media.	PRBs have been shown to effectively address As, Be, Co, Li and Se in groundwater, but additional testing is required for Be and Li to select the appropriate reactive media. The approach is expected to achieve GWPS for both constituents as impacted groundwater passes through the reactive barrier. Certain redox kinetics may be slow and hence a thicker wall might be needed. Furthermore, additional testing is required to select the appropriate sorptive media mix, especially related to Be and Li.	Reliable groundwater corrective measure technology, but loss of reactivity over time may require re-installation depending on the duration of the remedy. Additional data collection, including conducting a bench and/or pilot study, is needed to better characterize current attenuation mechanisms and/or select the appropriate reactive media mix for a PRB wall.

TABLE 1
Evaluation of Remedial Technologies
 Georgia Power – Plant McDonough-Atkinson Ash Pond 2 and 3/4
 Atlanta, Georgia

Corrective Measure	REGULATORY CITATION FOR CRITERIA: 40 CFR 257.96(C)(1)		
	Description	Performance	Reliability
Phyto Remediation (TreeWell®)	Phytoremediation uses trees and other plants to degrade or immobilize constituents or achieve hydraulic control without the need for an above-ground water treatment system and infrastructure. Within the context of AP-2 & 3/4, this corrective measure would likely use an engineered (proprietary) TreeWell® phytoremediation system along the point of compliance or downgradient edge of the impacted groundwater for hydraulic control. The system promotes root development to the targeted groundwater zone (depth), allowing for hydraulic control of impacted groundwater. In addition, immobilization of As, Be, Co, Li and Se within the root zone as well as incidental uptake of dissolved As, Be, Co, Li and Se with groundwater is expected to occur concurrent with hydraulic control.	Once established (typically at the end of the third growing season), a TreeWell® system is effective for providing hydraulic containment of groundwater, and potential reduction of As, Be, Co, Li and Se concentrations through immobilization and/or uptake and sequestration in the tree biomass; however, the main purpose is to provide hydraulic control. However, changing site conditions may make the corrective measure viable for the area downgradient of AP-2 & 3/4. Additional aquifer testing and/or groundwater flow modeling may be needed to confirm the suitability at that time.	Engineered phytoremediation is a proven technology where hydrogeologic factors are taken into account (e.g., hydraulic conductivity, flow velocity, depth to impacted groundwater zone, etc.). This is considered an active remedial approach through the use of trees as the "pumps" driving the system. Careful design will be needed to select the proper species, which will include consideration of groundwater chemistry, plant uptake of constituents, and groundwater flow modeling to evaluate the required number and placement of TreeWell® units.
Subsurface Vertical Barrier Walls	This approach involves placing a barrier to groundwater flow in the subsurface, frequently around a source area, to prevent future migration of dissolved constituents in groundwater from beneath the source to downgradient areas. In general, barrier walls are designed to provide containment; localized treatment achieved through the sorption or chemical precipitation reactions from construction of the walls are incidental to the design objective. Barrier walls can also be used in downgradient applications to limit discharge to a surface water feature or to reduce aquifer recharge from an adjacent surface water feature when groundwater extraction wells are placed near one. A variety of barrier materials can be used, including cement and/or bentonite slurries, geomembrane composite materials, or driven materials such as steel or vinyl sheet pile. Groundwater extraction from upgradient of the barrier is required to avoid groundwater mounding behind the barrier.	Barrier walls are a proven technology for seepage control and/or groundwater cutoff at impoundments. Slurry walls are limited by the depth of installation, which is approximately 90 ft below ground surface. However, site-specific geologic and technology-specific considerations may limit this depth to shallower installations. Additional subsurface investigations, aquifer testing, and compatibility testing with site-specific groundwater will be needed.	Generally reliable as a barrier to groundwater flow; however, treatment of downgradient groundwater is incidental and not the primary objective.

TABLE 1
Evaluation of Remedial Technologies
 Georgia Power – Plant McDonough-Atkinson Ash Pond 2 and 3/4
 Atlanta, Georgia

Corrective Measure	REGULATORY CITATION FOR CRITERIA: 40 CFR 257.96(C)(1)		
	Ease of Implementation	Potential Impacts	Time Requirement to Begin/Complete
Geochemical Approaches (in situ injection)	Moderate. Installation of injection well network or other injection infrastructure would be required. Alternative installation approaches may be considered, such as along the downgradient edge of impacted groundwater, which would function similar to a PRB application. Potential for clogging of aquifer matrix and/or injection well infrastructure. Chemical distribution during injections (i.e., radius of influence) needs to be evaluated.	Minimal impacts are expected if remedy works as designed, based on a thorough pre-design investigation, geochemical modeling, and bench/pilot study results. Redox-altering processes have the potential to mobilize naturally-occurring constituents as an unintended consequence if not properly studied and implemented.	Installation of the injection network can be accomplished relatively quickly (1 to 2 months). However, a thorough pre-design investigation, geochemical modeling, and/or bench- and/or pilot-testing will be required to obtain design parameters prior to design and construction of the corrective measure, which may take up to 24 months. Once installed, the time required to achieve GWPS within the treatment area may be relatively quick but depends on the attenuation process kinetics of each targeted constituent. The time for complete distribution of the injected materials throughout the treatment area is also variable.
Hydraulic Containment (pump- and-treat)	Moderate. Proven approach, and supplemental installation of extraction wells/trenches is fairly straightforward. The extracted groundwater may potentially require an above-ground treatment system. A variety of sorption and precipitation approaches exist for ex-situ treatment of As, Be, Co, Li and Se. Operation and maintenance (O&M) requirements are expected to include upkeep of infrastructure components (pumps, pipes, tanks, instrumentation and controls, above-ground treatment system) and handling of treatment residuals.	Moderate. The main potential impacts are related to the presence and operation of an on-site above-ground water treatment facility and related infrastructure to convey and treat extracted groundwater. Pumping activity may unintentionally alter the geochemistry within the hydraulic capture zone.	Installation of extraction wells and/or trenches can be accomplished relatively quickly (1 to 2 months). However, additional aquifer testing, system design and installation, and permit approval may be required, which may take up to 24 months. The initiation of the approach would be contingent on the start-up of the wastewater treatment infrastructure. Hydraulic containment can be achieved relatively quickly after startup of the extraction system, but uncertainty exists with respect to the time to achieve GWPS without additional data collection to better understand attenuation mechanisms for As, Be, Co, Li and Se.
Monitored Natural Attenuation (MNA)	Reasonably implementable with respect to infrastructure, but moderate to complex with respect to documentation. Proven approach, but additional data are needed to show that the existing attenuation capacity is sufficient to meet site objectives within a reasonable timeframe. A monitoring well network already exists to implement future groundwater monitoring efforts.	None. MNA relies on the natural processes active in the aquifer matrix to reduce constituent concentrations without disturbing the surface or the subsurface.	The infrastructure to initiate MNA is already in place. Demonstrating attenuation mechanisms and capacity can be time-consuming and can take up to 24 months. MNA is expected to be successful within a reasonable time frame following pond closure. Engineering measures will be implemented during closure of AP-2 & 3/4 to minimize potential impacts to the subsurface during closure activities and routine groundwater monitoring will be used to verify that groundwater impacts remain stable or decrease over time.

TABLE 1
Evaluation of Remedial Technologies
 Georgia Power – Plant McDonough-Atkinson Ash Pond 2 and 3/4
 Atlanta, Georgia

Corrective Measure	REGULATORY CITATION FOR CRITERIA: 40 CFR 257.96(C)(1)		
	Ease of Implementation	Potential Impacts	Time Requirement to Begin/Complete
In-Situ Solidification / Stabilization (ISS)	Easy to moderate, implementation of ISS will require a detailed design effort with bench scale testing to determine the appropriate amendment mix for a variety of overburden geologic materials. Pilot testing will also be needed to verify the ability of equipment to solidify material at depth. ISS has not been commonly used to stabilize entire ash units as part of a closure strategy.	Potential impacts of the remedy will be negligible.	In-situ stabilization of AP-2 & 3/4 is predicted to take a number of years to complete, depending on the availability of specialized contractors and equipment.
Permeable Reactive Barrier (PRB)	Moderate to difficult. Trenching would be required to install a mix of reactive materials in the subsurface. Continuous trenching may be the most feasible construction method. Installation methods and materials are readily available. Once installed, treatment will be passive and O&M requirements are minimal if replacement of the PRB is not necessary.	Minimal impacts are expected following the construction of the remedy. However, ZVI has the potential to create anaerobic conditions downgradient of the PRB wall that may mobilize redox-sensitive naturally-occurring constituents. These conditions need to be carefully monitored. Short-term impacts during the construction of the remedy can be mitigated through appropriate planning and health and safety measures.	Installation of a PRB can be accomplished relatively quickly (6 to 12 months), depending on the final location and configuration. However, bench- and/or pilot-testing would be required to obtain design parameters prior to design and construction of the remedy, which may take up to 24 months. Once installed, the time to achieve GWPS downgradient of the PRB is anticipated to be relatively quick.
Phyto Remediation (TreeWell®)	Reasonably implementable to moderate. Engineered approach has been proven effective, and specific depth zones can be targeted. Trees are installed as "tree wells" in a large diameter boring to get the roots deep enough to intercept impacted groundwater flow paths. Area must be clear of above and below-ground structures (e.g., power lines). The system, once established (approximately three growing seasons), is a self-maintaining, sustainable remedial system that has no external energy requirements and little maintenance (i.e., efforts normally associated with landscaping).	Minimal impacts are expected. In fact, there are several positive impacts expected, including enhanced aesthetics, wildlife habitat, and limited energy consumption.	The design phase will require some groundwater modeling for optimal placement of the TreeWell® units, which may take up to 6 months. Depending on the number of required units, the installation effort is expected to last several weeks. Hydraulic capture/control is expected approximately three years after planting and system performance is expected to further improve over time.
Subsurface Vertical Barrier Walls	Moderate to difficult. Trenching will be required to fill in the various slurry mixes; alternatively, sheet pile installations can be accomplished without excavation of trenches. The application of barrier walls is limited by the depth of installation, which similar to PRBs, should be keyed into a low permeability layer such as a thick clay layer or bedrock. Installation methods and materials are readily available. Once installed, above-ground infrastructure to pump and treat groundwater will be required. O&M requirements are expected to include upkeep of infrastructure components (pumps, pipes, tanks, instrumentation and controls, above-ground treatment system) and handling of treatment residuals.	Minimal impacts are expected following the construction of the remedy. Short-term impacts during the construction of the remedy can be mitigated through appropriate planning and health and safety measures. Changes to groundwater flow patterns due to installation of the barrier wall are expected, which can affect other aspects of groundwater corrective action. Pumping activity may unintentionally alter the geochemistry within the hydraulic capture zone that may result in the mobilization of other constituents that may require treatment.	Installation of a barrier wall can be accomplished relatively quickly (6 to 12 months), depending on the final location and configuration. However, some design phase and additional aquifer and compatibility testing will be required, which may take up to 24 months. Once installed, preventing migration of constituents dissolved in groundwater is anticipated to be relatively quick. Since this approach does not treat the downgradient area of impacted groundwater but prevents migration from a source area, it will likely have to be maintained long-term and coupled with other approaches.

TABLE 1
Evaluation of Remedial Technologies
 Georgia Power – Plant McDonough-Atkinson Ash Pond 2 and 3/4
 Atlanta, Georgia

Corrective Measure	REGULATORY CITATION FOR CRITERIA: 40 CFR 257.96(C)(1)			Retention Evaluation
	Institutional Requirements	Other Env. Or Public Health Requirements	Relative Costs	
Geochemical Approaches (in situ injection)	Deed restrictions may be necessary until in-situ treatment has achieved GWPS. A new underground injection control (UIC) permit (for in-situ injections) would be required to implement this corrective measure. No other institutional requirements are expected at this time.	None expected at this point. Potential for mobilization of redox-sensitive constituents exists during implementation of an anaerobic attenuation approach. Following installation, the remedy is passive.	Medium (depending on expanse of injection network required and injectate volume required per derived design parameters)	Retained for further analysis; can be applied to As, Be, Co, and Se as a sparingly-soluble mineral, or could be applied to raise the groundwater pH to promote immobilization through sorption mechanisms. Additional evaluation required to determine likelihood to treat Li.
Hydraulic Containment (pump- and-treat)	Depending on the effluent management strategy, modifications to the existing NPDES permit may be required, or obtaining a new underground injection control (UIC) permit may be needed if groundwater reinjection is chosen. In addition, deed restrictions may be required as long as groundwater conditions are above regulatory standards for unrestricted use.	Above-ground treatment components may need to be present for an extended period of time, generating residuals requiring management and disposal.	Medium to high (depending on remedy duration, complexity of above-ground treatment system, and volume of water processed)	Retained for further analysis; extracted water could be routed to wastewater treatment infrastructure built for dewatering and closure of ponds at the site. Could be considered an effective measure to maintain hydraulic control.
Monitored Natural Attenuation (MNA)	MNA may require the implementation of institutional controls, such as deed restrictions, to preclude potential exposure to groundwater within the footprint of impacted groundwater until GWPS are achieved.	Little to no physical disruption to remediation areas and no adverse construction-related impacts are expected on the surrounding community.	Low to medium	MNA is a suitable option at the Site for the following reasons: Concentrations of the target constituents showing SSLs are stable, decreasing, or are not increasing over time based on several years of monitoring data; Iso-concentration maps show the SSL constituents are well-defined and limited in extent; and dewatering and installation of closure-cover at the Site favors restoration of natural (pre-impoundment) groundwater flow.
In-Situ Solidification / Stabilization	Deed restrictions may be necessary until groundwater concentrations are below GWPS. No other institutional requirements that may limit application of this technology are expected at this time.	Changes to groundwater chemistry relative to the mobility of Appendix IV constituents following completion of ISS, where large volumes of amendments (typically Portland cement) are added to the subsurface, are unknown and would require pilot testing.	Medium, depending on permeability of aquifer	Not retained for further analysis. AP-2 and 3/4 is currently undergoing a closure process that includes dewatering and consolidation of ash. Ash remaining in place is unsaturated, and capped, with very little moisture or infiltration rendering this remedial alternative unneeded. Other retained options are more effective in addressing groundwater corrective action.

TABLE 1
Evaluation of Remedial Technologies
 Georgia Power – Plant McDonough-Atkinson Ash Pond 2 and 3/4
 Atlanta, Georgia

Corrective Measure	REGULATORY CITATION FOR CRITERIA: 40 CFR 257.96(C)(1)			Retention Evaluation
	Institutional Requirements	Other Env. Or Public Health Requirements	Relative Costs	
Permeable Reactive Barrier (PRB)	Deed restrictions may be necessary for groundwater areas upgradient of the PRB (if not installed along the waste boundary). No other institutional requirements are expected at this time.	None expected at this point. Following installation, the remedy is passive. However, certain treatment media (such as ZVI) have the potential to mobilize naturally-occurring constituents downgradient of the PRB.	Medium to high (for installation) - minimal O&M requirements if replacement is not necessary	Not retained for further analysis; a PRB cannot treat groundwater downgradient of the constructable alignment; there is minimal space available downgradient of the impacted wells; potential for increased maintenance due to potential biofouling and mineral precipitation. Further, construction of a PRB is likely to impede or restrict restoration of natural groundwater flow across AP-3/4.
Phyto Remediation (TreeWell®)	Deed restrictions may be necessary for groundwater areas upgradient of the TreeWell® system. No other institutional requirements are expected at this time.	None expected at this point. Following installation, the remedy is passive and does not require external energy.	Medium (for installation) - minimal O&M requirements	Not retained for further analysis; In areas north and northeast of AP-3/4 limited space is available between the CCR unit boundary and the property boundary and combined with the presence of site utilities makes this alternative unfeasible in this area. For areas south of AP-3, pH is the driver for the elevated cobalt concentrations. Phytoremediation is not a feasible alternative to address low pH conditions.
Subsurface Vertical Barrier Walls	Deed restrictions may be necessary for groundwater areas downgradient of the barrier wall until remedial goals are met. No other institutional requirements are expected at this time.	Due to the need for groundwater extraction associated with barrier walls, above-ground treatment components may need to be present for an extended period of time, generating residuals requiring management and disposal.	Medium to high (depending on length and depth of wall, remedy duration and complexity of above-ground treatment system)	Not retained for further analysis. A SVBW cannot treat groundwater downgradient of the constructable alignment; there is minimal space available downgradient of the impacted wells.

TABLE 2
SUMMARY OF MONITORING WELL, ASSESSMENT WELL AND PIEZOMETER CONSTRUCTION DATA
 Georgia Power Company - Plant McDonough
 Atlanta, 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	841.3	28.9	823.7	813.7	10	9/24/2016
DGWA-70A	Upgradient	Overburden	1390481.4	2200591.6	808.52	805.8	59.3	756.9	746.9	10	5/10/2017
DGWA-71	Upgradient	Overburden	1393963.3	2201714.8	863.84	861.2	43.8	827.8	817.8	10	2/28/2017
DGWC-37	Downgradient	Overburden	1390482.2	2200919.8	766.21	763.7	39.7	734.4	724.4	10	11/28/2012
DGWC-38	Downgradient	Overburden	1390362.7	2201148.6	757.43	754.7	25.0	740.0	730.0	10	11/29/2012
DGWC-39	Downgradient	Overburden	1390303.6	2201540.1	759.89	757.0	21.2	746.2	736.2	10	11/6/2012
DGWC-40	Downgradient	Overburden	1390625.7	2201825.9	779.06	776.2	34.9	751.7	741.7	10	11/5/2012
DGWC-67	Downgradient	Overburden	1390953.8	2200830.7	766.70	767.0	56.3	720.7	710.7	10	3/14/2017
DGWC-68A	Downgradient	Overburden	1391301.2	2200734.9	765.33	765.4	29.8	746.0	736.0	10	4/20/2017
DGWC-69	Downgradient	Overburden	1391585.0	2200657.1	763.75	764.0	24.3	749.7	739.7	10	3/16/2017
ASH POND 1 (AP-1) ASSESSMENT MONITORING WELL NETWORK											
B-62	Downgradient	Upper Bedrock	1389828.1	2201811.2	760.08	760.4	39.9	730.7	720.7	10	10/4/2016
B-100	Downgradient	Overburden	1390254.8	2202242.1	777.95	775.3	44.8	740.5	730.5	10	7/8/2020
B-105D	Downgradient	Upper Bedrock	1390634.5	2201831.9	779.01	776.0	70.00	716.0	706.0	10	10/19/2020
B-112D	Downgradient	Upper Bedrock	1391564.2	2200664.1	765.58	766.1	55	721.4	711.4	10	3/22/2021
B-113D	Downgradient	Upper Bedrock	1391264.6	2200719.2	758.22	758.8	85	684.4	674.4	10	3/30/2021

TABLE 2
SUMMARY OF MONITORING WELL, ASSESSMENT WELL AND PIEZOMETER CONSTRUCTION DATA
 Georgia Power Company - Plant McDonough
 Atlanta, 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	841.3	28.9	823.7	813.7	10	9/24/2016
DGWA-70A	Upgradient	Overburden	1390481.4	2200591.6	808.52	805.8	59.3	756.9	746.9	10	5/10/2017
DGWA-71	Upgradient	Overburden	1393963.3	2201714.8	863.84	861.2	43.8	827.8	817.8	10	2/28/2017
DGWC-2	Downgradient	Overburden/Upper Bedrock	1393958.0	2202119.5	850.88	848.3	49.0	809.6	799.6	10	10/2/2012
DGWC-4	Downgradient	Overburden	1394171.5	2202662.4	814.85	812.1	45.0	777.4	767.4	10	10/3/2012
DGWC-5	Downgradient	Overburden/Upper Bedrock	1394306.3	2202965.1	791.75	788.7	30.0	769.0	759.0	10	10/4/2012
DGWC-8	Downgradient	Overburden	1394322.2	2203882.1	826.38	824.1	49.1	785.4	775.4	10	10/10/2012
DGWC-9	Downgradient	Overburden	1394055.9	2204170.0	824.35	821.8	30.0	802.2	792.2	10	10/10/2012
DGWC-10	Downgradient	Overburden	1393818.3	2204201.1	823.55	820.9	45.4	785.9	775.9	10	10/11/2012
DGWC-11	Downgradient	Overburden	1393547.1	2204166.2	800.57	798.1	49.1	759.3	749.3	10	10/15/2012
DGWC-12	Downgradient	Overburden	1393149.4	2204128.3	773.86	771.2	25.1	756.5	746.5	10	10/15/2012
DGWC-13	Downgradient	Overburden	1392881.1	2204084.6	794.10	791.3	43.8	757.9	747.9	10	11/29/2012
DGWC-14	Downgradient	Overburden/Upper Bedrock	1392574.2	2204013.3	792.40	789.8	34.3	765.9	755.9	10	12/18/2012
DGWC-15	Downgradient	Overburden	1392544.1	2203679.0	824.50	821.5	67.1	764.8	754.8	10	11/29/2012
DGWC-17	Downgradient	Overburden	1392645.6	2203051.0	837.05	834.2	44.5	800.0	790.0	10	1/9/2013
DGWC-19	Downgradient	Overburden	1392342.6	2202601.0	825.46	822.9	39.8	793.5	783.5	10	3/12/2013
DGWC-20	Downgradient	Overburden	1392164.5	2202315.6	822.14	819.8	39.7	790.7	780.7	10	3/5/2013
DGWC-21	Downgradient	Overburden/Upper Bedrock	1392067.5	2202063.5	816.28	813.5	69.0	754.9	744.9	10	10/31/2012
DGWC-22	Downgradient	Upper Bedrock	1392126.3	2201791.9	816.59	813.7	60.0	764.0	754.0	10	10/25/2012
DGWC-23	Downgradient	Upper Bedrock	1392239.7	2201582.0	818.37	815.7	60.1	765.9	755.9	10	10/25/2012
DGWC-42	Downgradient	Overburden	1391327.8	2201870.2	804.68	802.0	50.4	762.1	752.1	10	11/12/2012
DGWC-47	Downgradient	Overburden/Upper Bedrock	1391553.8	2202610.5	797.45	794.3	28.8	775.9	765.9	10	6/23/2016
DGWC-48	Downgradient	Overburden/Upper Bedrock	1391314.6	2202290.2	788.33	785.2	30.0	765.6	755.6	10	6/22/2016

TABLE 2
SUMMARY OF MONITORING WELL, ASSESSMENT WELL AND PIEZOMETER CONSTRUCTION DATA
 Georgia Power Company - Plant McDonough
 Atlanta, 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	821.0	45.0	786.4	776.4	10	10/3/2016
B-62	Downgradient	Upper Bedrock	1389828.1	2201811.2	760.08	760.4	39.9	730.7	720.7	10	10/4/2016
B-63	Downgradient	Overburden	1390999.1	2202978.1	777.10	777.3	46.0	741.8	731.8	10	10/6/2016
B-66	Downgradient	Overburden	1393858.2	2204277.5	815.90	813.3	55.3	768.3	758.3	10	11/16/2016
B-77	Downgradient	Overburden	1390948.7	2202942.0	776.86	777.1	42	745.1	735.1	10	9/17/2019
B-82	Downgradient	Overburden	1393750.0	2204258.1	810.07	807.5	45	773.0	763.0	10	9/21/2019
B-83	Downgradient	Overburden	1390735.5	2202695.6	776.98	777.1	48.6	738.5	728.5	10	9/30/2019
B-88	Downgradient	Overburden	1394401.1	2203738.3	820.07	817.0	72	755.0	745.0	10	11/15/2019
B-92	Downgradient	Overburden	1394392.7	2203026.7	785.08	785.3	24.6	770.7	760.7	10	12/11/2019
B-93	Downgradient	Overburden	1394348.7	2202946.7	789.07	789.2	28.9	770.3	760.3	10	12/12/2019
B-97	Downgradient	Overburden/Upper Bedrock	1394430.0	2203008.3	786.29	786.6	31	765.3	755.3	10	2/11/2020
B-98	Downgradient	Overburden	1394392.5	2202934.0	789.67	789.8	19.4	780.8	770.8	10	2/10/2020
B-100	Downgradient	Overburden	1390254.8	2202242.1	777.95	775.3	44.8	740.5	730.5	10	7/8/2020
B-101D	Downgradient	Overburden/Upper Bedrock	1394063.6	2204168.2	824.29	821.2	75.00	756.3	746.3	10	11/12/2020
B-102D	Downgradient	Upper Bedrock	1393828.4	2204200.4	823.42	820.6	85.00	746.2	736.2	10	11/10/2020
B-104D	Downgradient	Upper Bedrock	1391318.3	2202298.5	787.90	785.3	60.00	735.3	725.3	10	10/20/2020
B-106D	Downgradient	Upper Bedrock	1394327.1	2203869.2	826.21	823.5	80.00	754.1	744.1	10	11/13/2020
B-107D	Downgradient	Upper Bedrock	1392334.5	2202596.4	823.38	820.6	85.75	745.5	735.5	10	10/28/2020
B-108D	Downgradient	Upper Bedrock	1392156.1	2202312.5	821.13	818.4	80.00	749.4	739.4	10	10/27/2020
B-109D	Downgradient	Upper Bedrock	1393957.5	2202127.0	850.73	847.8	100.00	758.4	748.4	10	10/31/2020
B-111D	Downgradient	Upper Bedrock	1394303.4	2202956.4	791.87	789.1	85.00	714.9	704.9	10	11/3/2020
B-115D	Downgradient	Upper Bedrock	1391265.3	2202580.7	789.17	786.4	80	717.2	707.2	10	3/20/2021
B-120D	Downgradient	Upper Bedrock	1394047.2	2202436.4	836.42	834.0	70	775.0	765.0	10	3/6/2021

TABLE 2
SUMMARY OF MONITORING WELL, ASSESSMENT WELL AND PIEZOMETER CONSTRUCTION DATA
 Georgia Power Company - Plant McDonough
 Atlanta, 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, ASH POND 2 AND ASH POND 3/4 SUPPLEMENTAL SAMPLING NETWORK											
B-90	Downgradient	Overburden	1394501.0	2203212.6	784.00	784.2	33.4	760.8	750.8	10	12/10/2019
B-91	Downgradient	Overburden	1394447.1	2203123.9	782.98	783.1	34.6	758.5	748.5	10	12/11/2019
B-95	Downgradient	Overburden	1394518.6	2203167.7	784.00	784.3	33.3	761.3	751.3	10	2/11/2020
B-96	Downgradient	Overburden	1394478.7	2203099.3	784.92	785.3	33.1	762.2	752.2	10	2/10/2020
B-99	Downgradient	Overburden	1394524.2	2203084.5	782.39	782.6	12.3	775.3	770.3	5	7/7/2020
B-116D	Upgradient	Upper Bedrock	1390483.7	2200611.0	807.82	805.3	90	726.1	716.1	10	3/8/2021
B-117D	Upgradient	Upper Bedrock	1393963.8	2201727.3	863.82	861.2	75	796.5	786.5	10	3/17/2021
B-118	Upgradient	Upper Bedrock	1391219.3	2200449.7	807.70	805.0	75	740.2	730.2	10	3/9/2021
B-119D	Upgradient	Upper Bedrock	1391236.4	2200446.6	807.15	804.5	105	709.8	699.8	10	3/16/2021
PIEZOMETERS											
B-3	Downgradient	Overburden/Upper Bedrock	1394045.1	2202411.5	837.78	835.0	37.0	808.3	798.3	10	10/3/2012
B-6	Downgradient	Overburden	1394419.5	2203266.5	789.47	786.5	35.4	761.5	751.5	10	10/9/2012
B-7	Downgradient	Overburden	1394374.6	2203596.1	809.16	806.1	25.2	791.3	781.3	10	10/9/2012
B-16	Downgradient	Overburden	1392595.1	2203315.4	826.47	823.6	43.7	790.2	780.2	10	12/19/2012
B-18	Downgradient	Overburden	1392521.0	2202875.5	826.56	823.9	32.6	801.5	791.5	10	1/10/2013
B-24	Downgradient	Upper Bedrock	1392479.9	2201450.0	822.11	819.3	79.1	751.0	741.0	10	10/24/2012
B-25	Downgradient	Upper Bedrock	1392813.3	2201502.7	836.54	833.5	54.8	789.1	779.1	10	10/24/2012
B-26	Downgradient	Upper Bedrock	1393105.6	2201550.4	853.60	850.6	49.3	811.7	801.7	10	10/23/2012
B-28	Downgradient	Overburden/Upper Bedrock	1391967.4	2201679.2	816.08	813.3	69.4	754.3	744.3	10	10/31/2012
B-29	Downgradient	Overburden	1391890.0	2201422.0	816.43	813.5	54.4	769.4	759.4	10	1/11/2013
B-31	Downgradient	Upper Bedrock	1392034.3	2200928.5	797.47	794.9	45.1	760.2	750.2	10	1/22/2013
B-41	Downgradient	Overburden	1390920.8	2201751.9	795.20	792.4	60.0	743.0	733.0	10	11/14/2012
B-50	Downgradient	Overburden	1391657.1	2201841.0	809.67	809.2	36.0	784.4	774.4	10	6/24/2016
B-51	Downgradient	Overburden	1390501.2	2200906.5	765.92	763.3	65.0	708.3	698.3	10	6/27/2016
B-52	Downgradient	Overburden	1392308.3	2201314.8	822.89	820.3	50.0	781.4	771.4	10	9/28/2016

TABLE 2
SUMMARY OF MONITORING WELL, ASSESSMENT WELL AND PIEZOMETER CONSTRUCTION DATA
 Georgia Power Company - Plant McDonough
 Atlanta, Georgia

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PIEZOMETERS											
B-54	Downgradient	Overburden/Upper Bedrock	1394423.5	2203140.7	785.46	782.6	34.2	758.8	748.8	10	9/26/2016
B-55	Downgradient	Overburden	1394142.6	2204147.9	825.12	822.9	52.0	781.9	771.9	10	9/22/2016
B-57	Downgradient	Upper Bedrock	1391396.3	2202736.9	789.04	786.0	50.5	746.0	736.0	10	9/24/2016
B-58	Downgradient	Overburden	1391125.7	2202426.5	788.17	785.2	45.0	750.7	740.7	10	9/23/2016
B-59	Downgradient	Overburden/Upper Bedrock	1394349.1	2203001.1	788.00	785.5	30.3	765.3	755.3	10	9/23/2016
B-60	Downgradient	Overburden	1391100.7	2202881.6	782.13	779.2	49.8	739.9	729.9	10	9/29/2016
B-61	Downgradient	Overburden	1390957.8	2202505.8	782.09	779.0	51.9	737.5	727.5	10	9/29/2016
B-64	Downgradient	Overburden	1394381.9	2203031.3	785.83	786.1	30.4	766.1	756.1	10	11/2/2016
B-65	Downgradient	Overburden/Upper Bedrock	1394381.2	2204050.8	821.95	822.3	45.4	787.9	777.9	10	11/15/2016
B-68	Downgradient	Overburden	1391298.2	2200714.2	758.68	759.0	18.0	751.0	741.0	10	3/16/2017
B-72	Downgradient	Overburden	1391242.2	2200723.9	758.85	758.09	21.9	746.6	736.6	10	4/19/2017
B-73	Downgradient	Overburden	1391352.4	2200697.5	759.46	758.85	15.8	753.5	743.5	10	4/19/2017
B-74	Downgradient	Overburden	1391279.8	2200665.3	759.44	758.96	16.5	748.2	743.2	5	4/25/2017
B-78	Downgradient	Overburden/Upper Bedrock	1394328.2	2202958.2	790.75	788.0	30	768.0	758.5	10	9/22/2019
B-79	Downgradient	Overburden	1394458.6	2203223.0	788.66	785.9	34.93	761.0	751.5	10	9/21/2019
B-80	Downgradient	Overburden	1394372.6	2203533.9	804.47	801.8	30	782.0	772.5	10	9/20/2019
B-81	Downgradient	Overburden	1394364.9	2203741.1	820.56	817.7	50	778.5	768.5	10	9/22/2019
B-84	Downgradient	Overburden	1390411.9	2202241.9	776.34	776.6	49.1	737.5	727.5	10	10/1/2019
B-85	Downgradient	Overburden/Upper Bedrock	1394433.4	2203134.5	782.54	782.7	34.5	758.5	748.5	10	11/18/2019
B-86	Downgradient	Overburden/Upper Bedrock	1394480.0	2203206.6	784.29	784.6	34.1	760.5	750.5	10	11/18/2019

TABLE 2
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 Georgia Power Company - Plant McDonough
 Atlanta, 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-87	Downgradient	Overburden	1394401.9	2203531.3	803.37	800.4	42	768.7	758.7	10	11/17/2019
B-89	Downgradient	Upper Bedrock	1394398.4	2204049.4	822.36	822.6	49.5	783.1	773.1	10	11/19/2019
B-94	Downgradient	Overburden	1394402.0	2203513.7	801.74	799.2	45.24	764.6	754.6	10	1/23/2020
B-103D	Downgradient	Upper Bedrock	1391543.5	2202614.4	795.96	793.8	70.00	733.8	723.8	10	10/15/2020
B-110D	Downgradient	Upper Bedrock	1391294.4	2200736.0	764.61	764.7	65.00	711.7	701.7	10	11/17/2020

Notes:

1. bgs = below ground surface
2. Coordinate System: NAD 1983 State Plane Georgia West (U.S. feet)
3. NAD - North American Datum; NAVD - North American Vertical Datum

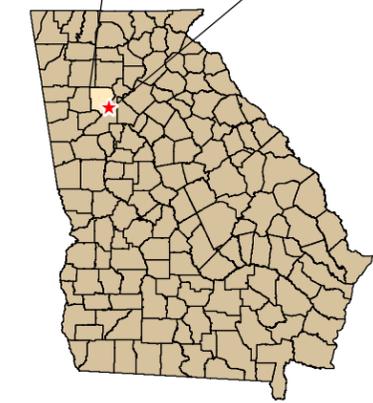
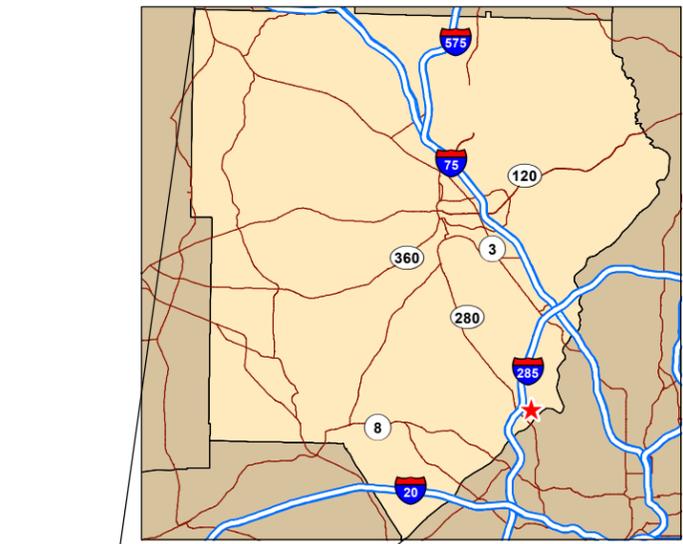
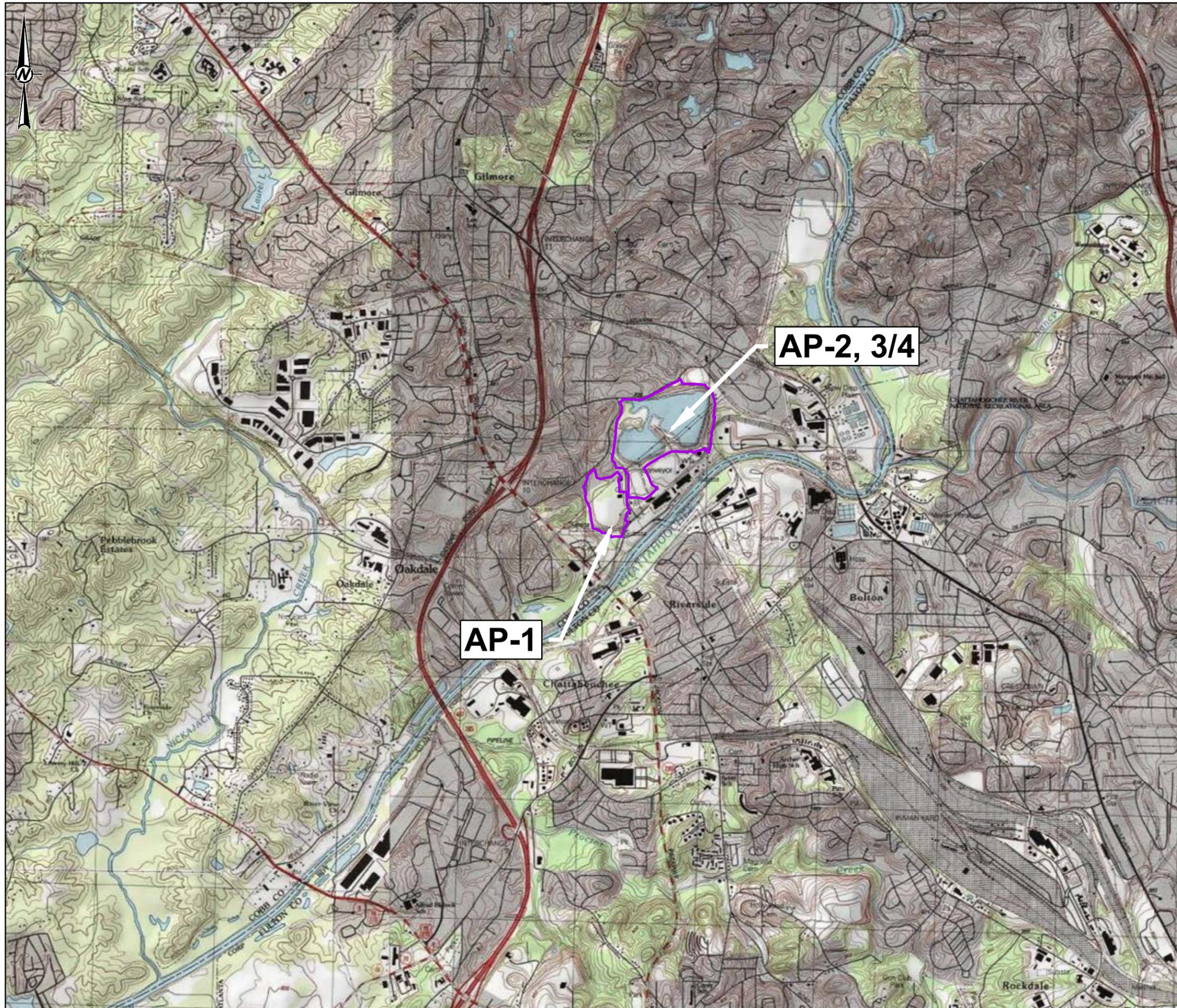
TABLE 3
Proposed ACM Supplemental Data Collection Tasks for January through June 2022
 Georgia Power – Plant McDonough-Atkinson AP-2 and 3/4
 Atlanta, Georgia

Data Collection Event	Applicable CMs	Applicability / Rationale	Field Component	Parameters of Interest (POI)
Groundwater Sampling	ISI MNA	(i) Evaluation of attenuation mechanisms and rates and aquifer capacity for attenuation. (ii) Continue sampling to provide sufficient data for statistical analyses at assessment wells. (iii) Determine the viability of in-situ injections for remedy selection.	Collect groundwater samples from existing well network currently sampled under the assessment monitoring program as well as additional site piezometers within migration pathway.	In addition to routine App III/IV parameters; sulfide, iron, manganese, magnesium, sodium, potassium, bicarbonate alkalinity, dissolved organic carbon (DOC), and total hardness to be collected at select locations. Additional volume to submit for Jar/column test to be performed at select locations (DGWC-19, DGWC-20, DGWC-47, DGWC-48).
Geochemical Modeling	ISI MNA	MNA as a component of Final Remedy Selection Support development of injection media for ISI.	No Field Component: Phase II & III geochemical modeling and assessment.	Geochemical modeling performed to evaluate the cause of the cobalt exceedance at wells DGWC-19, DGWC-20, DGWC-47 and 48 and the likelihood that it is due to consistently low pH in that area (<5.0), while near to and surrounding AP-2 and 3/4 have a higher pH (5.5 to 7.0).
Groundwater Flow Modeling	P&T MNA ISI	Development of the groundwater flow model can be used to evaluate potential radius of influence for geochemical injections; the effects of P&T or the applicability of MNA.	No Field Component. (Desktop Study)	Groundwater flow modeling performed to evaluate various potential treatments including potential in-situ treatment and hydraulic containment.

Applicable Corrective Measures (CM Retained):

ISI - Geochemical Approaches (In-Situ Injection) ; P&T - Hydraulic Containment (Pump and Treat); MNA - Monitored Natural Attenuation

FIGURES



REFERENCE

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1 INCH=0.5 MILES

CLIENT
 GEORGIA POWER COMPANY
 PLANT MCDONOUGH



PROJECT
 SEMI-ANNUAL REMEDY SELECTION AND DESIGN PROGRESS
 REPORT PLANT MCDONOUGH-ATKINSON ASH POND 2 AND 3/4

TITLE
SITE LOCATION MAP

CONSULTANT	YYYY-MM-DD	2019-1-31
	PREPARED	SEB
	DESIGN	SEB
	CHECKED	DP
	REVIEWED/APPROVED	RPK

PROJECT No.
 166849618

Rev.
 0

FIGURE
 1

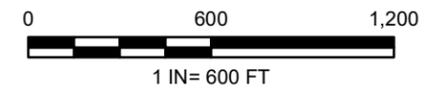
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET HAS BEEN MODIFIED FROM ANS/B



- LEGEND**
- ◆ AP-1 MONITORING WELL
 - ◆ AP-2,3/4 MONITORING WELL
 - ◆ UPGRADIENT WELL
 - ◆ ASSESSMENT MONITORING WELLS
 - ◆ PIEZOMETER
 - ◆ DEWATERING WELL
 - ◆ SURFACE WATER MONITORING LOCATION
 - ▲ TEST PIT LOCATIONS
 - 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 AUGUST 04, 2021 AND OCTOBER 08, 2021 FROM COOPER, BARNETTE & PAGE, INC. (CBP).
 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.



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 PLANT MCDONOUGH



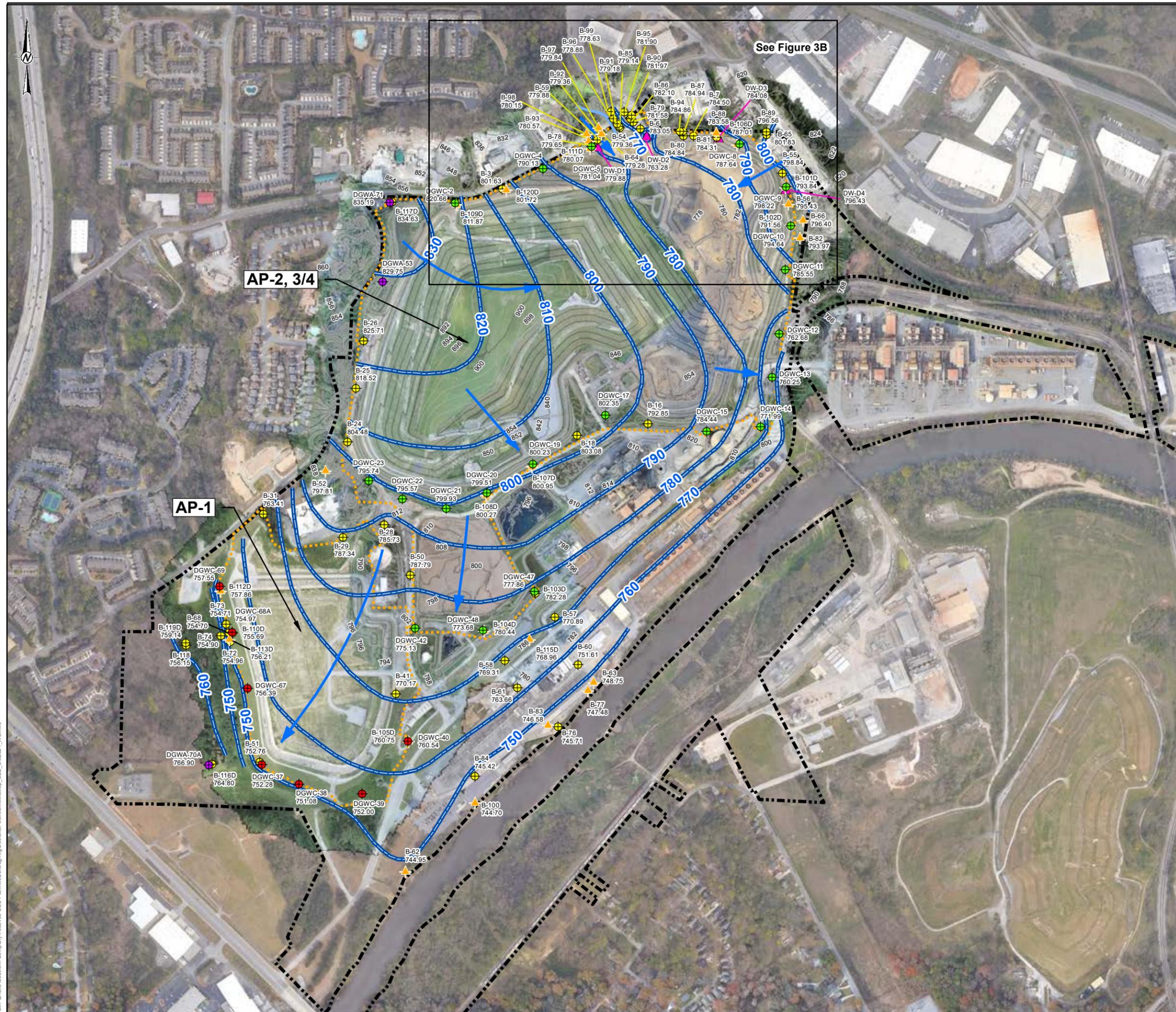
PROJECT
 SEMI-ANNUAL REMEDY SELECTION AND DESIGN PROGRESS
 REPORT PLANT MCDONOUGH-ATKINSON ASH POND 2 AND 3/4

MONITORING WELL, PIEZOMETER AND SURFACE WATER LOCATION MAP

CONSULTANT	YYYY-MM-DD	2022-02-02
	PREPARED	DJC
	DESIGN	DLP
	CHECKED	DP/RPK
	REVIEWED/APPROVED	RPK

Path: C:\Users\labodde\Golder\Associates\166849621_SCS Plant McDonough GW Cons Svcs_GA - 800_Shapefiles\MXD\Remedy Selection Work Plain\Figure 2 - Proposed Investigation Location Map.mxd

1. THE MEASUREMENT DOES NOT MATCH WHAT IS SHOWN. THE SHEET HAS BEEN MODIFIED FROM ANS.R



LEGEND

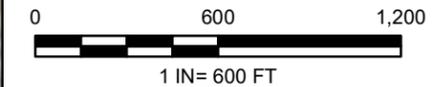
- AP-1 MONITORING WELL
- AP-2,3/4 MONITORING WELL
- UPGRADIENT WELL
- ▲ ASSESSMENT MONITORING WELLS
- PIEZOMETER
- ▲ DEWATERING WELL
- ➔ APPROXIMATE GROUNDWATER FLOW DIRECTION
- GROUNDWATER SURFACE CONTOUR (FT-NAVD)
- SURFACE WATER STREAM
- - - PERMIT BOUNDARY
- - - PROPERTY BOUNDARY
- EXISTING TOPOGRAPHY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

NOTES

1. ALL LOCATIONS AND BOUNDARIES ARE APPROXIMATE.
2. GROUNDWATER ELEVATION MEASUREMENTS OBTAINED OCTOBER 27, 2021 BY GOLDER ASSOCIATES.
3. GROUNDWATER ELEVATIONS DISPLAYED IN FEET REFERENCED TO NORTH AMERICAN VERTICAL DATUM (FT NAVD).
4. WELLS THAT CONTAIN A "D" DESIGNATION FOLLOWING THE NUMBER ARE DEEP WELLS AND ELEVATIONS ARE NOT USED FOR CONTOURING.

REFERENCE

1. AERIAL IMAGE DATED NOVEMBER 2019 FROM GOOGLE EARTH AND AUGUST 04, 2021 AND OCTOBER 08, 2021 FROM COOPER, BARNETTE & PAGE, INC. (CBP).
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



PROJECT
 SEMI-ANNUAL REMEDY SELECTION AND DESIGN PROGRESS
 REPORT PLANT MCDONOUGH-ATKINSON ASH POND 2 AND 3/4

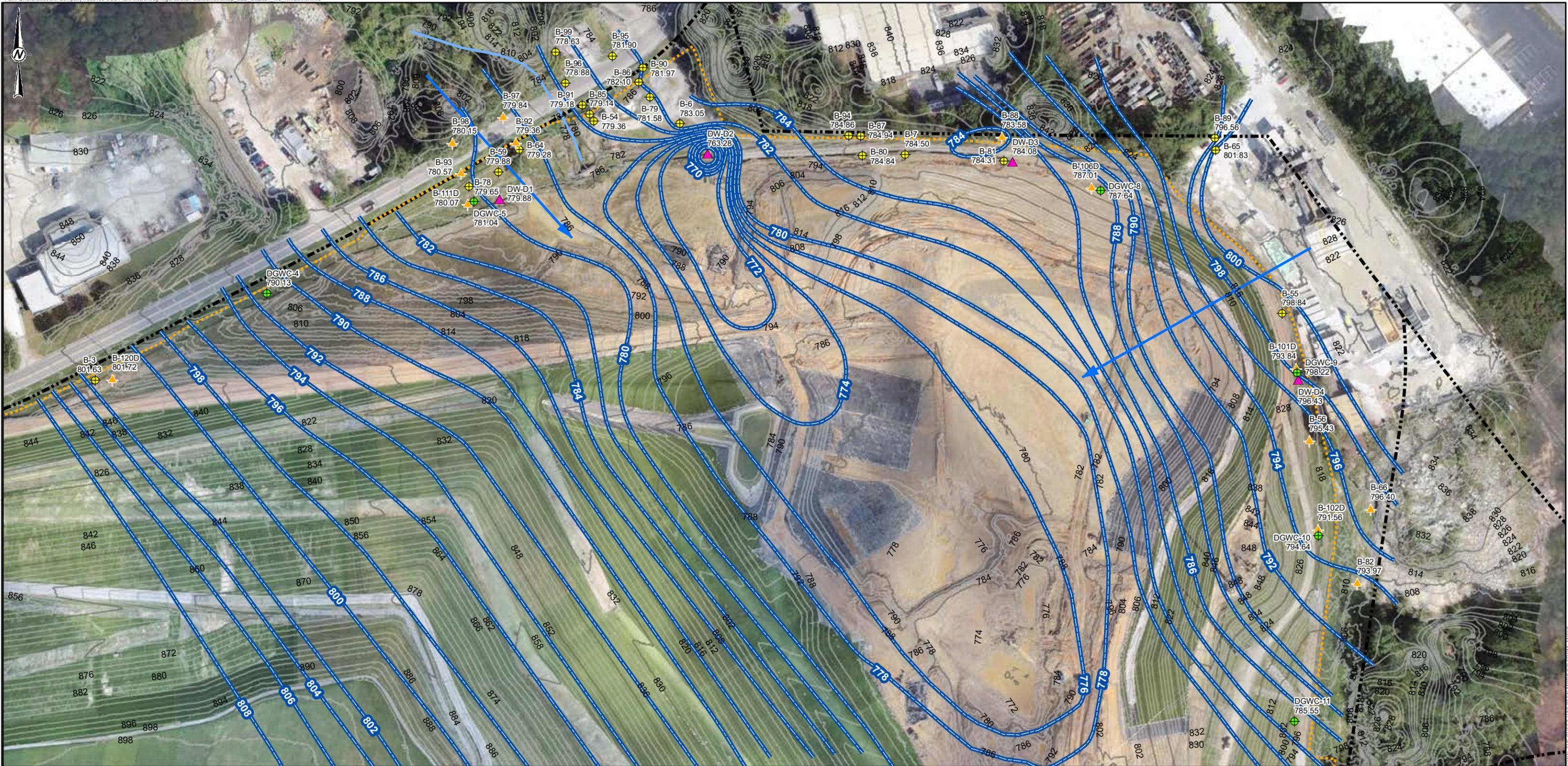
TITLE
SITE POTENTIOMETRIC MAP – OCTOBER 27, 2021

CONSULTANT	YYYY-MM-DD	2021-10-29
	PREPARED	SEB
	DESIGN	SEB
	CHECKED	BAS
	REVIEWED/APPROVED	RPK

PROJECT No. 166849621 Rev. 0 FIGURE 3A

Path: O:\GIS\Southern Company\1668496-SCS-Plant McDonough\figures\SitePotentialMap_SEB_Oct2021_WL.mxd

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



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

- NOTES**
1. ALL LOCATIONS AND BOUNDARIES ARE APPROXIMATE.
 2. GROUNDWATER ELEVATION MEASUREMENTS OBTAINED OCTOBER 27, 2021 BY GOLDER ASSOCIATES.
 3. GROUNDWATER ELEVATIONS DISPLAYED IN FEET REFERENCED TO NORTH AMERICAN VERTICAL DATUM (FT NAVD).
 4. WELLS THAT CONTAIN A "D" DESIGNATION FOLLOWING THE NUMBER ARE DEEP WELLS AND ELEVATIONS ARE NOT USED FOR CONTOURING.

- REFERENCE**
1. AERIAL IMAGE DATED NOVEMBER 2019 FROM GOOGLE EARTH AND OCTOBER 08, 2021 FROM COOPER, BARNETTE & PAGE, INC. (CBP).
 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
 SEMI-ANNUAL REMEDY SELECTION AND DESIGN PROGRESS
 REPORT PLANT MCDONOUGH-ATKINSON ASH POND 2 AND 3/4

TITLE
(INSET) SITE POTENTIOMETRIC MAP
OCTOBER 27, 2021

CONSULTANT
 GOLDER
 MEMBER OF WSP

YYYY-MM-DD	2/4/2022
PREPARED	SEB
DESIGN	SEB
CHECKED	DLP
REVIEW/APPROVED	RPK

PROJECT NO. 166849621 **CONTROL** **REV.** 0 **FIGURE** 3B

THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN. THE SHEET HAS BEEN MODIFIED FROM ANS18



- LEGEND**
- ◆ AP-1 MONITORING WELL
 - ◆ AP-2,3/4 MONITORING WELL
 - ◆ UPGRADIENT WELL
 - ◆ ASSESSMENT MONITORING WELLS
 - ◆ PIEZOMETER
 - ◆ DEWATERING WELL
 - ◆ SURFACE WATER MONITORING LOCATION
 - 0.01 ARSENIC GWPS ISOCONCENTRATION CONTOUR
 - PROPERTY BOUNDARY
 - INFERRED POTENTIOMETRIC SURFACE CONTOUR (OCT 2021)
 - PERMIT BOUNDARY

- NOTES**
1. ALL LOCATIONS AND BOUNDARIES ARE APPROXIMATE
 2. GROUNDWATER AND SURFACE WATER CONCENTRATIONS IN MILLIGRAMS PER LITER (MG/L). GWPS = GROUNDWATER PROTECTION STANDARD.
 3. DATA SHOWN REPRESENT THE SEPTEMBER 2021 SEMI-ANNUAL MONITORING EVENT RESULTS AS WELL AS APPLICABLE DELINEATION WELL DATA. SURFACE WATER SAMPLES COLLECTED BY ARCADIS ON SEPTEMBER 21, 2021.
 4. DEEP WELL ANALYTICAL RESULTS NOT USED FOR ISOCONCENTRATION CONTOURING.
 5. POTENTIOMETRIC SURFACE DETERMINED USING OCTOBER 2021 WATER LEVELS.

Analyte	Units	GWPS
Arsenic	mg/L	0.01

- REFERENCE**
1. SERVICE LAYER CREDITS: AERIAL IMAGE DATED NOVEMBER 2019 FROM GOOGLE EARTH AND AUGUST 04, 2021 AND OCTOBER 8, 2021 FROM COOPER, BARNETTE & PAGE, INC. (CBP).
 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.
- 0 400 800
1 IN = 400 FT

CLIENT
GEORGIA POWER COMPANY
 PLANT MCDONOUGH

PROJECT
 SEMI-ANNUAL REMEDY SELECTION AND DESIGN PROGRESS
 REPORT PLANT MCDONOUGH-ATKINSON ASH POND 2 AND 3/4

TITLE
**ARSENIC ISOCONCENTRATION CONTOUR MAP -
 SEPTEMBER 2021**

CONSULTANT
GOLDER
 MEMBER OF WSP

PROJECT No.
 166849621

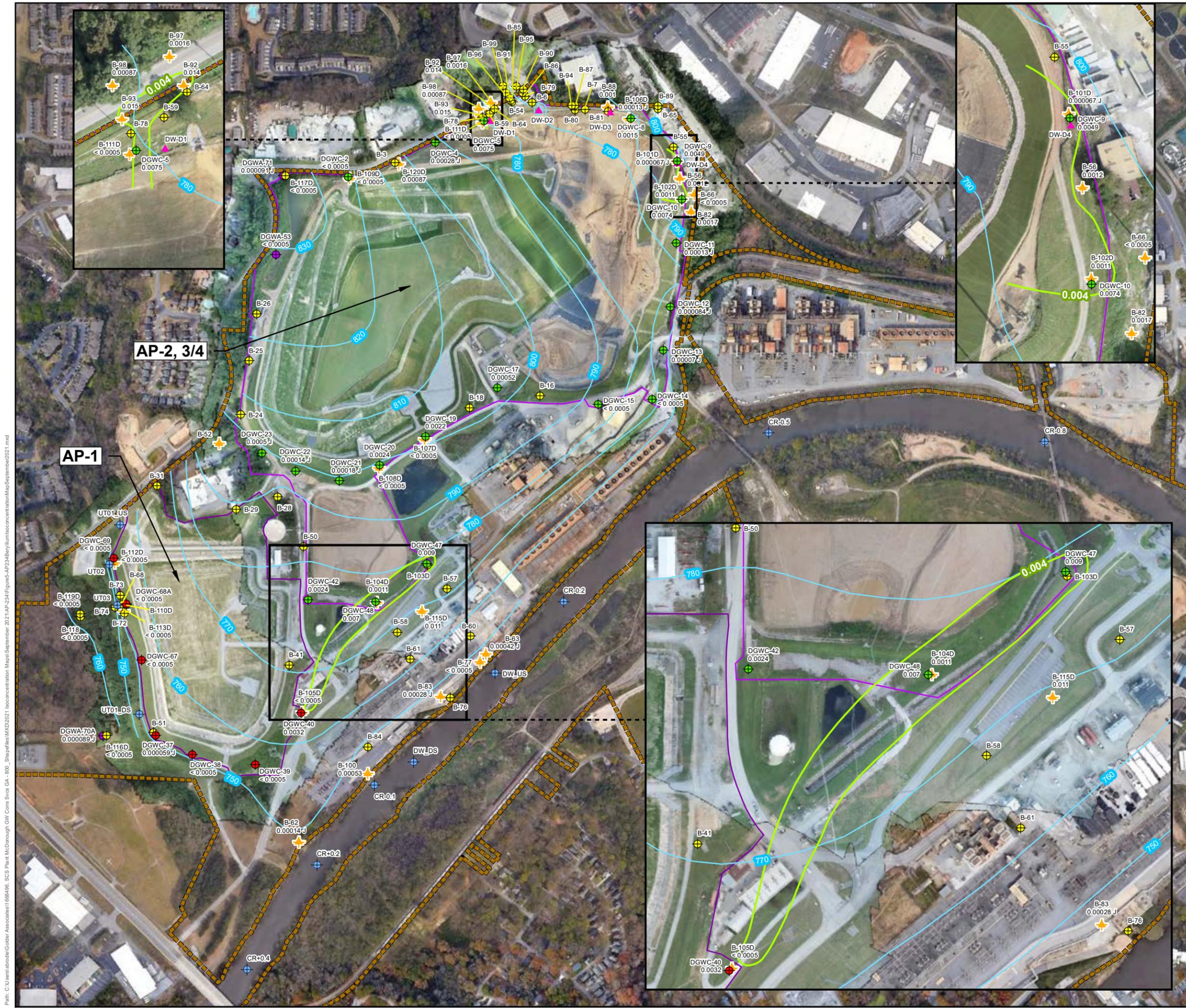
Rev.
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2021-11-08
 DJC
 BAS
 DP/RPK
 RPK

FIGURE
4

Path: C:\Users\labodie\Golder\Associates\166849621_SCS_Plant_McDonough_GW_Cons_Svcs_GA_-_800_Shapefiles\MXD\2021_Isoconcentration_Map\September_2021\AP-2,3/4\Figure4-AP234\Figure4-AP234ArsenicIsoconcentrationMapSeptember2021.mxd

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



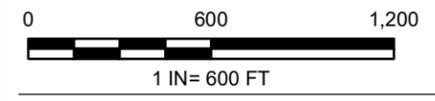
LEGEND

- AP-1 MONITORING WELL
- AP-2,3/4 MONITORING WELL
- UPGRADIENT WELL
- ASSESSMENT MONITORING WELLS
- PIEZOMETER
- DEWATERING WELL
- SURFACE WATER MONITORING LOCATION
- 0.004 BERYLLIUM GWPS ISOCONCENTRATION CONTOUR
- INFERRED POTENTIOMETRIC SURFACE CONTOUR (OCT 2021)
- 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 2021 SEMI-ANNUAL MONITORING EVENT RESULTS AS WELL AS APPLICABLE DELINEATION WELL DATA.
 - DEEP WELL ANALYTICAL RESULTS NOT USED FOR ISOCONCENTRATION CONTOURING.
 - DGWC-68A WAS RESAMPLED OCTOBER 27, 2021.
 - POTENTIOMETRIC SURFACE DETERMINED USING OCTOBER 2021 WATER LEVELS.

Analyte	Units	GWPS
Beryllium	mg/L	0.004

- REFERENCE**
- SERVICE LAYER CREDITS: AERIAL IMAGE DATED NOVEMBER 2019 FROM GOOGLE EARTH AND AUGUST 04, 2021 AND OCTOBER 8, 2021 FROM COOPER, BARNETTE & PAGE, INC. (CBP).
 - 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

PROJECT
 SEMI-ANNUAL REMEDY SELECTION AND DESIGN PROGRESS
 REPORT PLANT MCDONOUGH-ATKINSON ASH POND 2 AND 3/4

TITLE
**BERYLLIUM ISOCONCENTRATION CONTOUR MAP -
 SEPTEMBER 2021**

CONSULTANT
GOLDER
 MEMBER OF WSP

YYYY-MM-DD	2021-11-08
PREPARED	SEB
DESIGN	BAS
CHECKED	DP/RPK
REVIEWED/APPROVED	RPK

PROJECT No.
 166849621

Rev.
 0

FIGURE
5

Path: C:\Users\labode\Golder\Associates\16684961_SCS_Plant_McDonough_GW_Cons_Svcs_GA_-_800_Shapefiles\MXD\2021_Isoconcentration_Map\September_2021.mxd

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
- UPRADIANT WELL
- ★ ASSESSMENT MONITORING WELLS
- PIEZOMETER
- ▲ DEWATERING WELL
- SURFACE WATER MONITORING LOCATION
- 0.0322 COBALT GWPS ISOCONCENTRATION CONTOUR
- - - COBALT GWPS ISOCONCENTRATION CONTOUR (INFERRED)
- INFERRED POTENTIOMETRIC SURFACE CONTOUR (OCT 2021)
- - - PROPERTY BOUNDARY
- PERMIT BOUNDARY

- NOTES**
- ALL LOCATIONS AND BOUNDARIES ARE APPROXIMATE
 - GROUNDWATER AND SURFACE WATER CONCENTRATIONS IN MILLIGRAMS PER LITER (MG/L). GWPS = GROUNDWATER PROTECTION STANDARD. RSL = (FEDERAL REGIONAL SCREENING LEVEL)
 - DATA SHOWN REPRESENT THE SEPTEMBER 2021 SEMI-ANNUAL MONITORING EVENT RESULTS AS WELL AS APPLICABLE DELINEATION WELL DATA. SURFACE WATER SAMPLES COLLECTED BY ARCADIS ON SEPTEMBER 21, 2021.
 - GWPS IS EQUAL TO SITE SPECIFIC BACKGROUND CONCENTRATION AS THERE IS NO MCL AND THE RSL IS BELOW SITE SPECIFIC BACKGROUND
 - DEEP WELL ANALYTICAL RESULTS NOT USED FOR ISOCONCENTRATION CONTOURING.
 - DGWC-68A WAS RESAMPLED OCTOBER 27, 2021.
 - POTENTIOMETRIC SURFACE DETERMINED USING OCTOBER 2021 WATER LEVELS.

Analyte	Units	GWPS
Cobalt	mg/L	0.0322

- REFERENCE**
- SERVICE LAYER CREDITS: AERIAL IMAGE DATED NOVEMBER 2019 FROM GOOGLE EARTH AND AUGUST 04, 2021 AND OCTOBER 8, 2021 FROM COOPER, BARNETTE & PAGE, INC. (CBP).
 - 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.
- 0 600 1,200
- 1 IN = 600 FT

CLIENT
GEORGIA POWER COMPANY
 PLANT MCDONOUGH

PROJECT
 SEMI-ANNUAL REMEDY SELECTION AND DESIGN PROGRESS
 REPORT PLANT MCDONOUGH-ATKINSON ASH POND 2 AND 3/4

TITLE
**COBALT ISOCONCENTRATION CONTOUR MAP -
 SEPTEMBER 2021**

CONSULTANT
GOLDER
 MEMBER OF WSP

2021-11-08
 PREPARED SEB
 DESIGN BAS
 CHECKED DP/RPK
 REVIEWED/APPROVED RPK

PROJECT No.
 166849621

Rev.
 0

FIGURE
6

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LEGEND

- ◆ AP-1 MONITORING WELL
- ◆ AP-2,3/4 MONITORING WELL
- ◆ UPGRADIENT WELL
- ◆ ASSESSMENT MONITORING WELLS
- ◆ PIEZOMETER
- ◆ DEWATERING WELL
- ◆ SURFACE WATER MONITORING
- 0.05 SELENIUM GWPS ISOCONCENTRATION CONTOUR
- INFERRED POTENTIOMETRIC SURFACE CONTOUR (OCT 2021)
- PERMIT BOUNDARY
- PROPERTY BOUNDARY

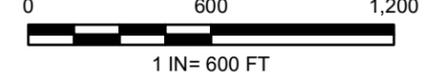
NOTES

1. ALL LOCATIONS AND BOUNDARIES ARE APPROXIMATE
2. GROUNDWATER AND SURFACE WATER CONCENTRATIONS IN MILLIGRAMS PER LITER (MG/L). GWPS = GROUNDWATER PROTECTION STANDARD.
3. DATA SHOWN REPRESENT THE SEPTEMBER 2021 SEMI-ANNUAL MONITORING EVENT RESULTS AS WELL AS APPLICABLE DELINEATION WELL DATA. SURFACE WATER SAMPLES COLLECTED BY ARCADIS ON SEPTEMBER 21, 2021.
4. DEEP WELL ANALYTICAL RESULTS NOT USED FOR ISOCONCENTRATION CONTOURING.
5. DGWC-68A WAS RESAMPLED OCTOBER 27, 2021.
6. POTENTIOMETRIC SURFACE DETERMINED USING OCTOBER 2021 WATER LEVELS.

Analyte	Units	GWPS
Selenium	mg/L	0.05

REFERENCE

1. SERVICE LAYER CREDITS: AERIAL IMAGE DATED NOVEMBER 2019 FROM GOOGLE EARTH AND AUGUST 04, 2021 AND OCTOBER 8, 2021 FROM COOPER, BARNETTE & PAGE, INC. (CBP).
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



PROJECT
 SEMI-ANNUAL REMEDY SELECTION AND DESIGN PROGRESS
 REPORT PLANT MCDONOUGH-ATKINSON ASH POND 2 AND 3/4

TITLE
SELENIUM ISOCONCENTRATION CONTOUR MAP -
SEPTEMBER 2021

CONSULTANT	YYYY-MM-DD	2021-11-08
	PREPARED	SEB
	DESIGN	DLP
	CHECKED	DP/RPK
	REVIEWED/APPROVED	RPK

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

APPENDIX A

WELL SURVEY / EDR GEOCHECK® REPORT

WELL SURVEY

Plant McDonough-Atkinson is in Cobb County, GA south of the city of Smyrna and on a northern bank of the Chattahoochee River.

Golder has conducted a well survey of groundwater wells within a two-mile radius of the Coal Combustion Residual (CCR) facilities at Plant McDonough Ash Ponds 1, 2, and 3/4

This survey included the collection and review of information obtained from a variety of Federal, State, and County resources and public records databases. Identified well data were compiled into a geographic information system (GIS) database.

Information Collection

This section summarizes the appropriate sources used for identifying groundwater wells within the area of investigation.

- 1) Federal Sources
 - a) United States Geological Survey (USGS). The USGS maintains an inventory of both qualitative and quantitative water data through the National Water Information System (NWIS). Well information including coordinates were downloaded and compiled into GIS. The type of data within the area of investigation included groundwater wells and surface water intake and outfall on the Chattahoochee River.
 - b) Safe Drinking Water Information System (SDWIS). This database is managed by the EPA and contains information regarding public water source providers but does not contain geospatial data or well location information. This source was used to determine that the primary supplier of public water in the area of investigation is the Cobb County Water System.
- 2) State Sources - Georgia Environmental Protection Division
 - a) Drinking Water Branch. Records concerning industrial and municipal wells are maintained by the EPD and made available through a Georgia Open Records Act (GORA) request. Linda Weglewski of EPD was contacted by email on November 17th, 2021, regarding information on groundwater wells within the area of investigation. There are no permitted public groundwater wells within the requested 2-mile radius.
 - b) EPD Pesticide Project. From 2000 to 2004 the EPD coordinated with the Georgia Department of Agriculture (GDA) to sample monitoring wells and private drinking wells across the State of Georgia for potential pesticide contaminants. The final project report contains a list of private drinking water wells and their GPS coordinates. Golder contacted Chris Hutcheson with Cobb & Douglas Public Health. No Response was received following this request.
 - c) Hazardous Site Inventory (HSI) files. EPD manages HSI files for those sites necessitating or undergoing state coordinated corrective action. No listings were reported in the GORA request.

d) Hazardous Site Response Act (HSRA) notifications. EPD manages HSRA notification documentation which includes reports submitted after release of reportable substances. No listings were reported in the GORA request.

3) County Sources

a) Health Department Records. As part of the Georgia Department of Public Health (DPH) county health departments maintain records of septic system permits. These permits indicate whether a private or public water supply is used at the address. Golder reached out to Cobb County DPH on 1/26/2022 via email. No septic drawings, approved water wells or complaint history was available for the property.

b) Water Departments. Cobb County Water was contacted on 01/26/2022 for their records regarding groundwater wells or public water supply by residents within the area of investigation. They informed us that they are not involved in the permitting and record-keeping of groundwater wells of any type.

Plant McDonough

5551 S Cobb Drive
Atlanta, GA 30339

Inquiry Number: 6754839.7s

November 17, 2021

The EDR GeoCheck® Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Physical Setting Source Map Findings	A-15
Physical Setting Source Records Searched	PSGR-1

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 S COBB DRIVE
ATLANTA, GA 30339

TARGET PROPERTY COORDINATES

Latitude (North):	33.826695 - 33° 49' 36.10"
Longitude (West):	84.477508 - 84° 28' 39.03"
Universal Tranverse Mercator:	Zone 16
UTM X (Meters):	733452.8
UTM Y (Meters):	3745608.5
Elevation:	841 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).

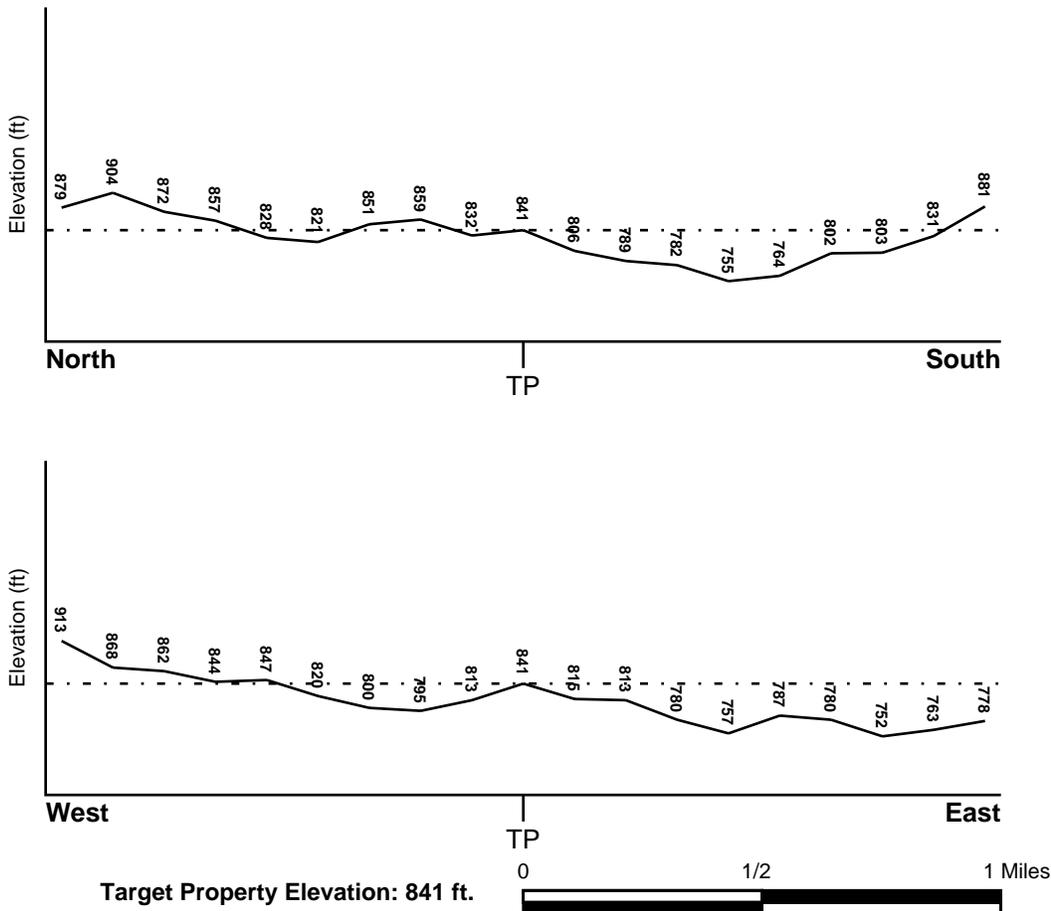
TOPOGRAPHIC INFORMATION

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 SSW

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
13067C0236H	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
NORTHWEST ATLANTA	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	1/2 - 1 Mile SSW	SSW

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

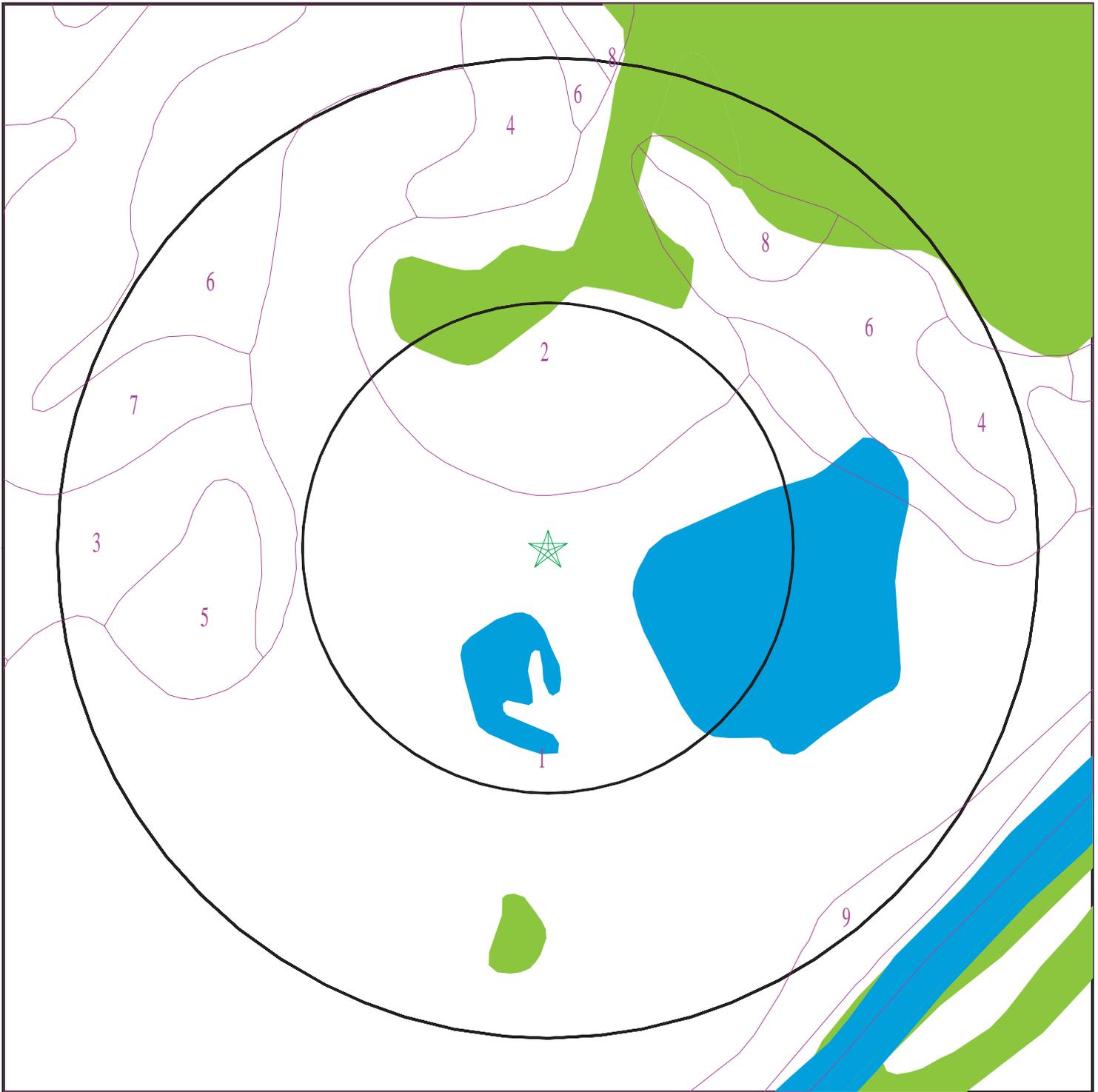
Era:	Paleozoic
System:	Pennsylvanian
Series:	Cataclastic rocks
Code:	cat (decoded above as Era, System & Series)

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 - 6754839.7s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: Plant McDonough
ADDRESS: 5551 S Cobb Drive
Atlanta GA 30339
LAT/LONG: 33.826695 / 84.477508

CLIENT: Golder Associates, Inc.
CONTACT: Jude Waguespack
INQUIRY #: 6754839.7s
DATE: November 17, 2021 6:48 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: Urban land

Soil Surface Texture:
Hydrologic Group: Not reported

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: 2

Soil Component Name: Water

Soil Surface Texture:
Hydrologic Group: Not reported

Soil Drainage Class:
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: 3

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: 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

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	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
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 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: 6

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: 7

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

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	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
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: 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: 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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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

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

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A2	USGS40000265121	1/2 - 1 Mile NNE
B4	USGS40000265094	1/2 - 1 Mile East
B7	USGS40000265087	1/2 - 1 Mile ESE
B9	USGS40000265091	1/2 - 1 Mile East

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
D20	USGS40000265168	1 - 2 Miles NNW
E21	USGS40000265154	1 - 2 Miles NE
F24	USGS40000265164	1 - 2 Miles NW
25	USGS40000265145	1 - 2 Miles WNW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

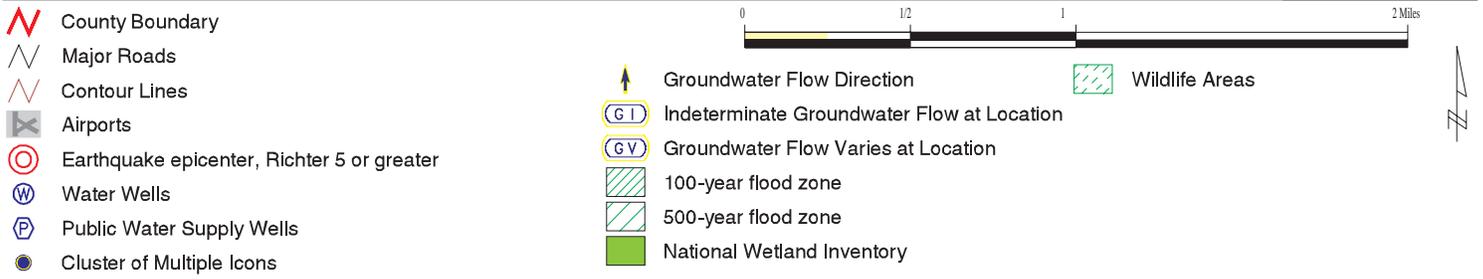
MAP ID	WELL ID	LOCATION FROM TP
C10	GA1210038	1 - 2 Miles North
C11	GA1210000	1 - 2 Miles North
C12	GA1210006	1 - 2 Miles North
C13	GA1210037	1 - 2 Miles North
C14	GA1210002	1 - 2 Miles North
C15	GA1210039	1 - 2 Miles North
C16	GA1210007	1 - 2 Miles North
C17	GA1210005	1 - 2 Miles North
18	GA1210001	1 - 2 Miles East

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A3	0000002231	1/2 - 1 Mile NNE
B5	0000004659	1/2 - 1 Mile East
B6	0000004656	1/2 - 1 Mile ESE
B8	0000004658	1/2 - 1 Mile East
D19	0000002233	1 - 2 Miles NNW
E22	0000004660	1 - 2 Miles NE
F23	0000002232	1 - 2 Miles NW

PHYSICAL SETTING SOURCE MAP - 6754839.7s



SITE NAME: Plant McDonough
 ADDRESS: 5551 S Cobb Drive
 Atlanta GA 30339
 LAT/LONG: 33.826695 / 84.477508

CLIENT: Golder Associates, Inc.
 CONTACT: Jude Waguespack
 INQUIRY #: 6754839.7s
 DATE: November 17, 2021 6:48 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1
SSW
1/2 - 1 Mile
Lower

Site ID: 0-601138
Groundwater Flow: SSW
Shallow Water Depth: 18.82
Deep Water Depth: 19.04
Average Water Depth: Not Reported
Date: 07/1991

AQUIFLOW 18783

A2
NNE
1/2 - 1 Mile
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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1985-05-31	Feet below surface:	34.34
Feet to sea level:	Not Reported	Note:	Not Reported
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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1977-10-27	Feet below surface:	31.33
Feet to sea level:	Not Reported	Note:	Not Reported
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

**A3
NNE
1/2 - 1 Mile
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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing dia:	6	Casing matl:	Not Reported
Depth to top:	40	Depth to bot:	85
Opening type:	X	Constr date:	1932
Discharge:	Not Reported	Prim use:	U
Aquifer code:	320CRSL	Edr id:	000002231

B4
East
1/2 - 1 Mile
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

B5
East
1/2 - 1 Mile
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

B6
ESE
1/2 - 1 Mile
Lower

GA WELLS 0000004656

County code:	121	Well num:	10EE27
Remarks:	SONOCO PRODUCTS	Lat:	334926
Lon:	0842745	Latlon datum:	NAD27
Alt:	900.00	Alt datum:	NGVD29
Depth:	500	Depth to casing:	23.00
Casing dia:	Not Reported	Casing matl:	S
Depth to top:	23.00	Depth to bot:	500.00
Opening type:	X	Constr date:	196604
Discharge:	32.00	Prim use:	C
Aquifer code:	Not Reported	Edr id:	0000004656

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

B7
ESE
1/2 - 1 Mile
Lower

FED USGS USGS40000265087

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	10EE27	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:	19660401
Well Depth:	500	Well Depth Units:	ft
Well Hole Depth:	500	Well Hole Depth Units:	ft

B8
East
1/2 - 1 Mile
Lower

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

B9
East
1/2 - 1 Mile
Lower

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
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	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

C10
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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Zipsserved:	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
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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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	System city:	ALPHARETTA
System address:	9750 SPRUILL ROAD	System zip:	30201
System state:	GA		
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		

**C11
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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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		
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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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		
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:	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:	09/25/2002
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
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:	05/05/2005

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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 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:	01/27/2005
Enforcement Detail:	St Public Notif requested	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
Enforcement Detail:	St Intentional no-action	Enforcement Category:	Resolving

**C12
North
1 - 2 Miles
Higher**

FRDS PWS GA1210006

Epa region:	04	State:	GA
Pwsid:	GA1210006	Pwsname:	HAPEVILLE
Cityserved:	Not Reported	Stateserved:	GA
Zipsserved:	Not Reported	Fipscounty:	13121
Status:	Active	Retpopsrvd:	5385
Pwssvconn:	2071	Psource longname:	Purch_surface_water
Pwstype:	CWS	Owner:	Local_Govt
Contact:	MARTIN, C C	Contactorgname:	MARTIN, C C
Contactphone:	404-669-2100	Contactaddress1:	POB 82311
Contactaddress2:	Not Reported	Contactcity:	HAPEVILLE
Contactstate:	GA	Contactzip:	30354-2311
Pwsactivitycode:	A		
PWS ID:	GA1210006	PWS name:	HAPEVILLE
Address:	3560 PERKINS STREET	Care of:	CITY OF HAPEVILLE
City:	HAPEVILLE	State:	GA
Zip:	30354	Owner:	HAPEVILLE
Source code:	Purchases surface water	Population:	5385
PWS ID:	GA1210006	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:	HAPEVILLE
PWS type code:	C	Retail population served:	5385
Contact:	MARTIN, C C	Contact address:	POB 82311
Contact address:	HAPEVILLE	Contact city:	GA
Contact state:	30	Contact zip:	404-669-21
Contact telephone:	Not Reported		
PWS ID:	GA1210006	Activity status:	Active
Date system activated:	Not Reported	Date system deactivated:	Not Reported
Retail population:	00005483	System name:	HAPEVILLE
System address:	CITY OF HAPEVILLE	System address:	POB 82311

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

System city:	HAPEVILLE	System state:	GA
System zip:	303542311		
Population served:	5,001 - 10,000 Persons	Treatment:	Treated
Latitude:	335031	Longitude:	0842844
Violation id:	10101	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:	10402	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:	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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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:	05/01/2009
Cmp edt:	05/31/2009		
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)
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:	07/02/2002
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	10402	Orig Code:	S
Enforcemnt FY:	2002	Enforcement Action:	07/18/2002
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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:	08/09/2005
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
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:	08/01/2005
Enforcement Detail:	State CCR Follow-up Notice		
Enforcement Category:	Informal		
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:	10907	Orig Code:	S
Enforcemnt FY:	2007	Enforcement Action:	09/11/2007
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
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:	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 Violation/Reminder Notice		
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 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:	11612	Orig Code:	S
Enforcemnt FY:	2012	Enforcement Action:	01/30/2012
Enforcement Detail:	St Violation/Reminder Notice		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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
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		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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		
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:	9/1/2007 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		

**C13
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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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
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 Public Notif requested	Enforcement Category:	Informal
Violation ID:	20203	Orig Code:	S
Enforcemnt FY:	2003	Enforcement Action:	04/16/2003
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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:	06/08/2006
Enforcement Detail:	St Public Notif received	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:	02/21/2006
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	20407	Orig Code:	S
Enforcemnt FY:	2007	Enforcement Action:	01/19/2007
Enforcement Detail:	St Violation/Reminder Notice		
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

**C14
North
1 - 2 Miles
Higher**

FRDS PWS GA1210002

Epa region:	04	State:	GA
Pwsid:	GA1210002	Pwsname:	COLLEGE PARK
Cityserved:	Not Reported	Stateserved:	GA
Zipsserved:	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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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
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 Public Notif requested	Enforcement Category:	Informal
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
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		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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		

**C15
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
Zipsserved:	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
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Latitude:	340431	Longitude:	0841739
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Latitude:	335031	Longitude:	0842844
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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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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
Analysis method:	Not Reported	Analysis result:	Not Reported

**C16
North
1 - 2 Miles
Higher**

FRDS PWS GA1210007

Epa region:	04	State:	GA
Pwsid:	GA1210007	Pwsname:	MOUNTAIN PARK
Cityserved:	Not Reported	Stateserved:	GA
Zipserved:	Not Reported	Fipscounty:	13121
Status:	Active	Retpopsrvd:	798
Pwssvconn:	307	Psourcelongname:	Purch_surface_water
Pwstype:	CWS	Owner:	Local_Govt
Contact:	SCHMIDT, BILL	Contactorgname:	SCHMIDT, BILL
Contactphone:	770-993-4231	Contactaddress1:	118 LAKE SHORE DRIVE
Contactaddress2:	Not Reported	Contactcity:	MOUNTAIN PARK
Contactstate:	GA	Contactzip:	30075
Pwsactivitycode:	A		
PWS ID:	GA1210007	PWS name:	MOUNTAIN PARK
Address:	100 MOUNTAIN PARK ROAD	Care of:	CITY OF MOUNTAIN PARK
City:	ROSWELL	State:	GA
Zip:	30075	Owner:	MOUNTAIN PARK
Source code:	Purchases surface water	Population:	679
PWS ID:	GA1210007	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:	MOUNTAIN PARK
PWS type code:	C	Retail population served:	798
Contact:	SCHMIDT, BILL	Contact address:	118 LAKE SHORE DRIVE
Contact address:	MOUNTAIN PARK	Contact city:	GA
Contact state:	30	Contact zip:	770-993-42
Contact telephone:	Not Reported		
PWS ID:	GA1210007	Activity status:	Active
Date system activated:	Not Reported	Date system deactivated:	Not Reported
Retail population:	00000679	System name:	MOUNTAIN PARK
System address:	CITY OF MOUNTAIN PARK	System address:	100 MOUNTAIN PARK ROAD
System city:	ROSWELL	System state:	GA
System zip:	30075		
Population served:	501 - 1,000 Persons	Treatment:	Treated
Latitude:	335031	Longitude:	0842844
Violation id:	1005	Orig code:	S

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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:	1107	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:	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		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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
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:	08/01/2005
Enforcement Detail:	State CCR Follow-up Notice		
Enforcement Category:	Informal		
Violation ID:	1005	Orig Code:	S
Enforcemnt FY:	2005	Enforcement Action:	08/29/2005
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
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:	08/12/2008
Enforcement Detail:	State CCR Follow-up Notice		
Enforcement Category:	Informal		
Violation ID:	1408	Orig Code:	S
Enforcemnt FY:	2008	Enforcement Action:	09/10/2008
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	1613	Orig Code:	S
Enforcemnt FY:	2012	Enforcement Action:	08/27/2012
Enforcement Detail:	State CCR Follow-up Notice		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Enforcement Category:	Informal		
Violation ID:	1613	Orig Code:	S
Enforcement FY:	2013	Enforcement Action:	10/18/2012
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	1614	Orig Code:	S
Enforcement FY:	2013	Enforcement Action:	08/27/2013
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	1614	Orig Code:	S
Enforcement FY:	2013	Enforcement Action:	07/02/2013
Enforcement Detail:	State CCR Follow-up Notice		
Enforcement Category:	Informal		
Violation ID:	201	Orig Code:	S
Enforcement FY:	2001	Enforcement Action:	07/02/2001
Enforcement Detail:	St Intentional no-action	Enforcement Category:	Resolving
Violation ID:	201	Orig Code:	S
Enforcement FY:	2001	Enforcement Action:	09/07/2001
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	302	Orig Code:	S
Enforcement FY:	2002	Enforcement Action:	08/08/2002
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	302	Orig Code:	S
Enforcement FY:	2002	Enforcement Action:	07/23/2002
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	603	Orig Code:	S
Enforcement FY:	2003	Enforcement Action:	08/19/2003
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	603	Orig Code:	S
Enforcement FY:	2003	Enforcement Action:	08/11/2003
Enforcement Detail:	State CCR Follow-up Notice		
Enforcement Category:	Informal		
Violation ID:	804	Orig Code:	S
Enforcement FY:	2004	Enforcement Action:	09/08/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	804	Orig Code:	S
Enforcement FY:	2004	Enforcement Action:	08/20/2004
Enforcement Detail:	State CCR Follow-up Notice		
Enforcement Category:	Informal		
Violation ID:	905	Orig Code:	S
Enforcement FY:	2005	Enforcement Action:	07/21/2005
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	905	Orig Code:	S
Enforcement FY:	2005	Enforcement Action:	07/21/2005
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
PWS name:	MOUNTAIN PARK	Population served:	798
PWS type code:	C	Violation ID:	1005
Contaminant:	7000	Violation type:	71

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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
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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

<p>Contaminant: 7000 Compliance start date: 7/1/2002 0:00:00 Enforcement date: 7/23/2002 0:00:00 Violation measurement: Not Reported</p>	<p>Violation type: 71 Compliance end date: 8/8/2002 0:00:00 Enforcement action: State Violation/Reminder Notice</p>
<p>PWS name: MOUNTAIN PARK PWS type code: C Contaminant: 7000 Compliance start date: 7/1/2002 0:00:00 Enforcement date: 8/8/2002 0:00:00 Violation measurement: Not Reported</p>	<p>Population served: 798 Violation ID: 302 Violation type: 71 Compliance end date: 8/8/2002 0:00:00 Enforcement action: State Compliance Achieved</p>
<p>PWS name: MOUNTAIN PARK PWS type code: C Contaminant: 7000 Compliance start date: 7/1/2003 0:00:00 Enforcement date: 8/11/2003 0:00:00 Violation measurement: Not Reported</p>	<p>Population served: 798 Violation ID: 603 Violation type: 71 Compliance end date: 8/19/2003 0:00:00 Enforcement action: SII</p>
<p>PWS name: MOUNTAIN PARK PWS type code: C Contaminant: 7000 Compliance start date: 7/1/2003 0:00:00 Enforcement date: 8/19/2003 0:00:00 Violation measurement: Not Reported</p>	<p>Population served: 798 Violation ID: 603 Violation type: 71 Compliance end date: 8/19/2003 0:00:00 Enforcement action: State Compliance Achieved</p>
<p>PWS name: MOUNTAIN PARK PWS type code: C Contaminant: 7000 Compliance start date: 7/1/2004 0:00:00 Enforcement date: 8/20/2004 0:00:00 Violation measurement: Not Reported</p>	<p>Population served: 798 Violation ID: 804 Violation type: 71 Compliance end date: 9/8/2004 0:00:00 Enforcement action: SII</p>
<p>PWS name: MOUNTAIN PARK PWS type code: C Contaminant: 7000 Compliance start date: 7/1/2004 0:00:00 Enforcement date: 9/8/2004 0:00:00 Violation measurement: Not Reported</p>	<p>Population served: 798 Violation ID: 804 Violation type: 71 Compliance end date: 9/8/2004 0:00:00 Enforcement action: State Compliance Achieved</p>
<p>PWS name: MOUNTAIN PARK PWS type code: C Contaminant: COLIFORM (TCR) Compliance start date: 6/1/2005 0:00:00 Enforcement date: 7/21/2005 0:00:00 Violation measurement: Not Reported</p>	<p>Population served: 798 Violation ID: 905 Violation type: Monitoring, Repeat Minor (TCR) Compliance end date: 6/30/2005 0:00:00 Enforcement action: State Violation/Reminder Notice</p>
<p>PWS name: MOUNTAIN PARK PWS type code: C Contaminant: COLIFORM (TCR) Compliance start date: 6/1/2005 0:00:00 Enforcement date: 7/21/2005 0:00:00 Violation measurement: Not Reported</p>	<p>Population served: 798 Violation ID: 905 Violation type: Monitoring, Repeat Minor (TCR) Compliance end date: 6/30/2005 0:00:00 Enforcement action: State Public Notif Requested</p>

**C17
 North
 1 - 2 Miles
 Higher**

FRDS PWS GA1210005

Epa region: 04	State: GA
Pwsid: GA1210005	Pwsname: NORTH FULTON COUNTY

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Cityserved:	Not Reported	Stateserved:	GA
Zipsserved:	Not Reported	Fipscounty:	13121
Status:	Active	Retpopsrvd:	172533
Pwssvconn:	70291	Psource 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	City:	ATLANTA
Care of:	DEPT. OF PUBLIC WORKS	Zip:	30303
State:	GA	Source code:	Purchases surface water
Owner:	NORTH FULTON COUNTY		
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		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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
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:	02/03/2003
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:	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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Enforcemnt FY:	2008	Enforcement Action:	08/12/2008
Enforcement Detail:	State CCR Follow-up Notice		
Enforcement Category:	Informal		
Violation ID:	10808	Orig Code:	S
Enforcemnt FY:	2008	Enforcement Action:	08/14/2008
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
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:	7/18/2002 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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Violation measurement: Not Reported

PWS name: NORTH FULTON COUNTY
 PWS type code: C
 Contaminant: 7000
 Compliance start date: 7/1/2008 0:00:00
 Enforcement date: 8/12/2008 0:00:00
 Violation measurement: Not Reported

Population served: 172533
 Violation ID: 10808
 Violation type: 71
 Compliance end date: 8/14/2008 0:00:00
 Enforcement action: SII

PWS name: NORTH FULTON COUNTY
 PWS type code: C
 Contaminant: 7000
 Compliance start date: 7/1/2008 0:00:00
 Enforcement date: 8/14/2008 0:00:00
 Violation measurement: Not Reported

Population served: 172533
 Violation ID: 10808
 Violation type: 71
 Compliance end date: 8/14/2008 0:00:00
 Enforcement action: State Compliance Achieved

**18
 East
 1 - 2 Miles
 Lower**

FRDS PWS GA1210001

Epa region: 04
 Pwsid: GA1210001
 Cityserved: Not Reported
 Zipserved: Not Reported
 Status: Active
 Pwssvconn: 240780
 Pwstype: CWS
 Contact: PARKER, RICHARD
 Contactphone: 404-235-2058
 Contactaddress2: Not Reported
 Contactstate: GA
 Pwsactivitycode: A

State: GA
 Pwsname: ATLANTA
 Stateserved: GA
 Fipscounty: 13089
 Retpopsrvd: 650000
 Psource longname: Surface_water
 Owner: Local_Govt
 Contactorgname: PARKER, RICHARD
 Contactaddress1: 651 14TH STREET, NW
 Contactcity: ATLANTA
 Contactzip: 30318

Pwsid: GA1210001
 Facname: HEMPHILL PLANT
 Facactivitycode: A
 Trtprocess: gaseous chlorination, pre

Facid: 1027
 Factype: Treatment_plant
 Trtobjective: disinfection
 Factypecode: TP

Pwsid: GA1210001
 Facname: HEMPHILL PLANT
 Facactivitycode: A
 Trtprocess: rapid mix

Facid: 1027
 Factype: Treatment_plant
 Trtobjective: particulate removal
 Factypecode: TP

Pwsid: GA1210001
 Facname: HEMPHILL PLANT
 Facactivitycode: A
 Trtprocess: ph adjustment, pre

Facid: 1027
 Factype: Treatment_plant
 Trtobjective: particulate removal
 Factypecode: TP

Pwsid: GA1210001
 Facname: HEMPHILL PLANT
 Facactivitycode: A
 Trtprocess: coagulation

Facid: 1027
 Factype: Treatment_plant
 Trtobjective: particulate removal
 Factypecode: TP

Pwsid: GA1210001
 Facname: HEMPHILL PLANT
 Facactivitycode: A
 Trtprocess: flocculation

Facid: 1027
 Factype: Treatment_plant
 Trtobjective: particulate removal
 Factypecode: TP

Pwsid: GA1210001
 Facname: HEMPHILL PLANT

Facid: 1027
 Factype: Treatment_plant

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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
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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Trtprocess: gaseous chlorination, post
 Facticecode: TP

PWS ID:	GA1210001	PWS name:	ATLANTA
Address:	2528 CHATTAHOOCHEE CIR., NW		
Care of:	ATLANTA WATER DEPARTMENT	City:	ATLANTA
State:	GA	Zip:	30318
Owner:	ATLANTA	Source code:	Surface water
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
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		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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
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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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
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:	07/09/2002
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
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:	02/28/2002
Enforcement Detail:	St Public Notif requested	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:	2002	Enforcement Action:	07/09/2002
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
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:	08/15/2006
Enforcement Detail:	State CCR Follow-up Notice		
Enforcement Category:	Informal		
Violation ID:	11406	Orig Code:	S
Enforcemnt FY:	2006	Enforcement Action:	07/24/2006
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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:	11607	Orig Code:	S
Enforcemnt FY:	2007	Enforcement Action:	07/09/2007
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
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:	11909	Orig Code:	S
Enforcemnt FY:	2009	Enforcement Action:	07/07/2009
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	12511	Orig Code:	S
Enforcemnt FY:	2012	Enforcement Action:	10/05/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	12616	Orig Code:	S
Enforcemnt FY:	2013	Enforcement Action:	05/23/2013
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	12616	Orig Code:	S
Enforcemnt FY:	2013	Enforcement Action:	05/23/2013
Enforcement Detail:	St Violation/Reminder Notice		
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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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
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		

**D19
NNW
1 - 2 Miles
Higher**

GA WELLS 000002233

County code:	067
Remarks:	BP GAS STN S ATLANTA ROAD
Lon:	0842922
Alt:	930
Depth:	39
Casing dia:	2
Depth to top:	29
Opening type:	P
Discharge:	Not Reported
Aquifer code:	110SPRL

Well num:	10EE39
Lat:	335041
Latlon datum:	NAD27
Alt datum:	NGVD29
Depth to casing:	29
Casing matl:	P
Depth to bot:	39
Constr date:	19900724
Prim use:	U
Edr id:	000002233

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

D20
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		

E21
NE
1 - 2 Miles
Lower

FED USGS USGS40000265154

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	10EE29	Type:	Well
Description:	RICHARD L. AECK	HUC:	03130001
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:	19721101
Well Depth:	430	Well Depth Units:	ft
Well Hole Depth:	430	Well Hole Depth Units:	ft

E22
NE
1 - 2 Miles
Lower

GA WELLS 000004660

County code:	121	Well num:	10EE29
Remarks:	RICHARD L. AECK	Lat:	335028
Lon:	0842734	Latlon datum:	NAD27
Alt:	850.00	Alt datum:	NGVD29
Depth:	430	Depth to casing:	50.00
Casing dia:	6.00	Casing matl:	S
Depth to top:	50.00	Depth to bot:	430.00
Opening type:	X	Constr date:	197211
Discharge:	100.00	Prim use:	H
Aquifer code:	Not Reported	Edr id:	000004660

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

F23
NW
1 - 2 Miles
Higher

GA WELLS 000002232

County code:	067	Well num:	10EE04
Remarks:	COOK, D.W.	Lat:	335037
Lon:	0842959	Latlon datum:	NAD27
Alt:	1020	Alt datum:	NGVD29
Depth:	109	Depth to casing:	40
Casing dia:	6	Casing matl:	Not Reported
Depth to top:	40	Depth to bot:	109
Opening type:	X	Constr date:	1941
Discharge:	Not Reported	Prim use:	H
Aquifer code:	320CRSL	Edr id:	000002232

F24
NW
1 - 2 Miles
Higher

FED USGS USGS40000265164

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	10EE04	Type:	Well
Description:	COOK, D.W.	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:	Crystalline Rocks	Aquifer Type:	Confined multiple aquifer
Construction Date:	1941	Well Depth:	109
Well Depth Units:	ft	Well Hole Depth:	109
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	40	Level reading date:	1987-10-26
Feet below surface:	59.19	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1986-07-28	Feet below surface:	72.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-05-31	Feet below surface:	56.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-05-31	Feet below surface:	51.34
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-11-01	Feet below surface:	55.29
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-05-31	Feet below surface:	53.16
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-10-26	Feet below surface:	58.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-05-25	Feet below surface:	58.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-10-22	Feet below surface:	59.23

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05-21	Feet below surface:	55.67
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-11-13	Feet below surface:	53.71
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-05-29	Feet below surface:	52.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-10-25	Feet below surface:	55.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-05-23	Feet below surface:	53.91
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-12-07	Feet below surface:	56.54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-10-18	Feet below surface:	56.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-05-25	Feet below surface:	52.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-04-21	Feet below surface:	52.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-03-31	Feet below surface:	53.44
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-03-01	Feet below surface:	52.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-01-30	Feet below surface:	56.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-12-28	Feet below surface:	56.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-12-01	Feet below surface:	57.61
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-10-27	Feet below surface:	57.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-09-30	Feet below surface:	57.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-08-26	Feet below surface:	54.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-07-27	Feet below surface:	56.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-06-28	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-05-26	Feet below surface:	55.57
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1977-05-02	Feet below surface:	55.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-03-28	Feet below surface:	56.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-02-23	Feet below surface:	57.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-01-26	Feet below surface:	56.54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-10-21	Feet below surface:	54.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-10-14	Feet below surface:	54.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-06-03	Feet below surface:	52.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-11-14	Feet below surface:	53.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-05-15	Feet below surface:	51.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-10-18	Feet below surface:	54.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-04-02	Feet below surface:	55
Feet to sea level:	Not Reported	Note:	Not Reported

25
WNW
1 - 2 Miles
Higher

FED USGS USGS40000265145

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	09EE08	Type:	Well
Description:	Josephine Harris	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:	1935
Well Depth:	72	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

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 and 2010 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.

STATE RECORDS

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

OTHER STATE DATABASE INFORMATION

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.

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

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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APPENDIX B

SEN'S SLOPE / MANN KENDALL TREND ANALYSES

Appendix IV Trend Tests - Significant Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 3:01 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Beryllium (mg/L)	DGWA-70A (bg)	-0.0006733	-54	-53	Yes	15	53.33	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWC-47	-0.001263	-55	-53	Yes	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWA-53 (bg)	-0.005485	-77	-53	Yes	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-10	-0.02424	-58	-48	Yes	14	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-47	-0.05383	-76	-53	Yes	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-48	-0.04534	-87	-53	Yes	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-8	-0.01234	-55	-48	Yes	14	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-9	0.02407	66	53	Yes	15	0	n/a	n/a	0.01	NP
Lithium (mg/L)	DGWC-47	-0.006577	-65	-53	Yes	15	0	n/a	n/a	0.01	NP
Lithium (mg/L)	DGWC-48	-0.008187	-75	-53	Yes	15	0	n/a	n/a	0.01	NP

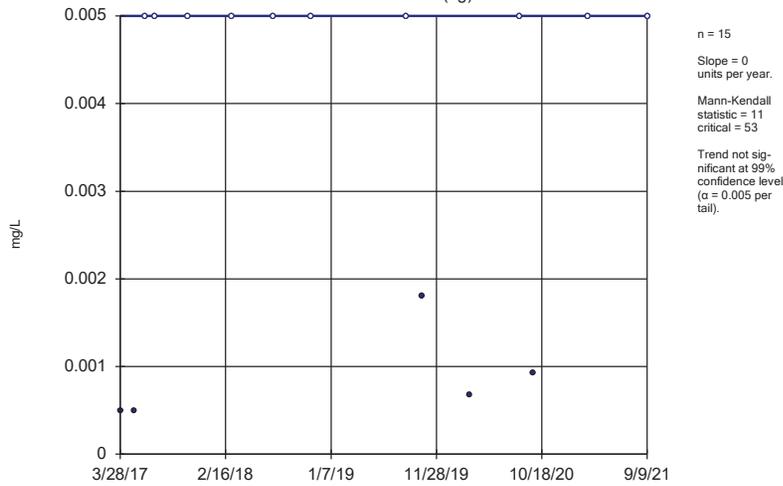
Appendix IV Trend Tests - All Results

Plant McDonough Client: Southern Company Data: McDonough AP Printed 11/8/2021, 3:01 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Arsenic (mg/L)	DGWA-53 (bg)	0	11	53	No	15	66.67	n/a	n/a	0.01	NP
Arsenic (mg/L)	DGWA-70A (bg)	0	-4	-53	No	15	93.33	n/a	n/a	0.01	NP
Arsenic (mg/L)	DGWA-71 (bg)	0	9	48	No	14	85.71	n/a	n/a	0.01	NP
Arsenic (mg/L)	DGWC-9	0.001503	18	53	No	15	6.667	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWA-53 (bg)	0	0	53	No	15	100	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWA-70A (bg)	-0.0006733	-54	-53	Yes	15	53.33	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWA-71 (bg)	-0.00002022	-33	-53	No	15	33.33	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWC-10	0.0006483	25	48	No	14	0	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWC-47	-0.001263	-55	-53	Yes	15	0	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWC-48	-0.0004177	-53	-53	No	15	0	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWC-5	0.0004286	25	48	No	14	0	n/a	n/a	0.01	NP
Beryllium (mg/L)	DGWC-9	0.0001134	20	53	No	15	0	n/a	n/a	0.01	NP
Beryllium (mg/L)	B-93	0.00406	5	12	No	5	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWA-53 (bg)	-0.005485	-77	-53	Yes	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWA-70A (bg)	0	-1	-53	No	15	46.67	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWA-71 (bg)	0	17	48	No	14	64.29	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-10	-0.02424	-58	-48	Yes	14	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-19	-0.0006109	-25	-53	No	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-20	0.02101	20	53	No	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-47	-0.05383	-76	-53	Yes	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-48	-0.04534	-87	-53	Yes	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-8	-0.01234	-55	-48	Yes	14	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	DGWC-9	0.02407	66	53	Yes	15	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	B-56	0.004935	3	8	No	4	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	B-63	-0.004021	-5	-12	No	5	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	B-93	-0.003331	-6	-12	No	5	0	n/a	n/a	0.01	NP
Combined Radium 226 + 228 (pCi/L)	DGWA-53 (bg)	-0.6866	-53	-53	No	15	0	n/a	n/a	0.01	NP
Combined Radium 226 + 228 (pCi/L)	DGWA-70A (bg)	0.004235	0	58	No	16	0	n/a	n/a	0.01	NP
Combined Radium 226 + 228 (pCi/L)	DGWA-71 (bg)	0	0	53	No	15	0	n/a	n/a	0.01	NP
Combined Radium 226 + 228 (pCi/L)	B-104D	-8.273	-4	-8	No	4	0	n/a	n/a	0.01	NP
Lithium (mg/L)	DGWA-53 (bg)	-0.0001578	-13	-53	No	15	6.667	n/a	n/a	0.01	NP
Lithium (mg/L)	DGWA-70A (bg)	0	15	53	No	15	80	n/a	n/a	0.01	NP
Lithium (mg/L)	DGWA-71 (bg)	-0.0001648	-41	-48	No	14	21.43	n/a	n/a	0.01	NP
Lithium (mg/L)	DGWC-47	-0.006577	-65	-53	Yes	15	0	n/a	n/a	0.01	NP
Lithium (mg/L)	DGWC-48	-0.008187	-75	-53	Yes	15	0	n/a	n/a	0.01	NP
Lithium (mg/L)	B-104D	-0.004109	-5	-8	No	4	0	n/a	n/a	0.01	NP
Selenium (mg/L)	DGWA-53 (bg)	0	0	53	No	15	100	n/a	n/a	0.01	NP
Selenium (mg/L)	DGWA-70A (bg)	0	0	53	No	15	100	n/a	n/a	0.01	NP
Selenium (mg/L)	DGWA-71 (bg)	0	0	48	No	14	100	n/a	n/a	0.01	NP
Selenium (mg/L)	DGWC-9	0.006758	19	53	No	15	0	n/a	n/a	0.01	NP

Sen's Slope Estimator

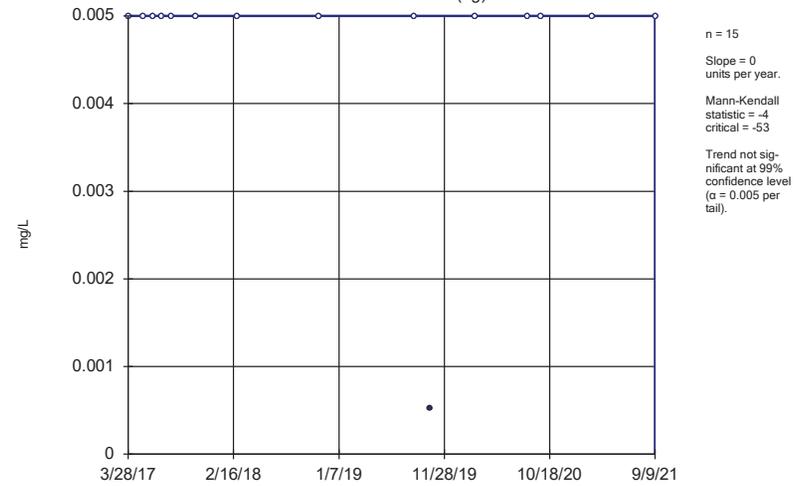
DGWA-53 (bg)



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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

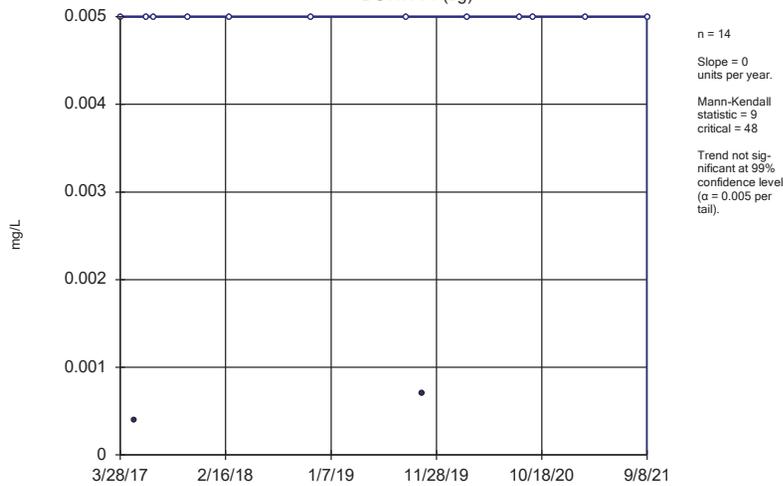
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Sen's Slope Estimator

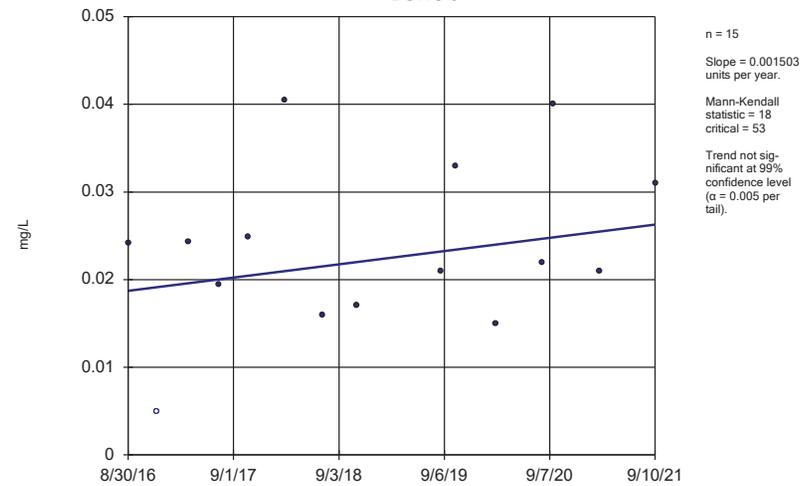
DGWA-71 (bg)



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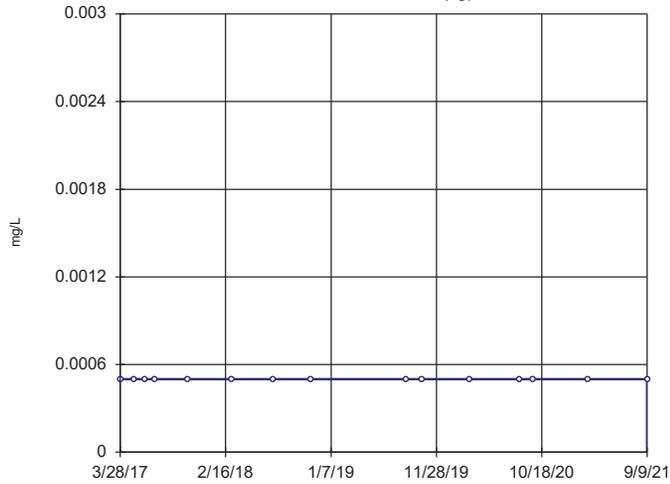
Sen's Slope Estimator

DGWC-9



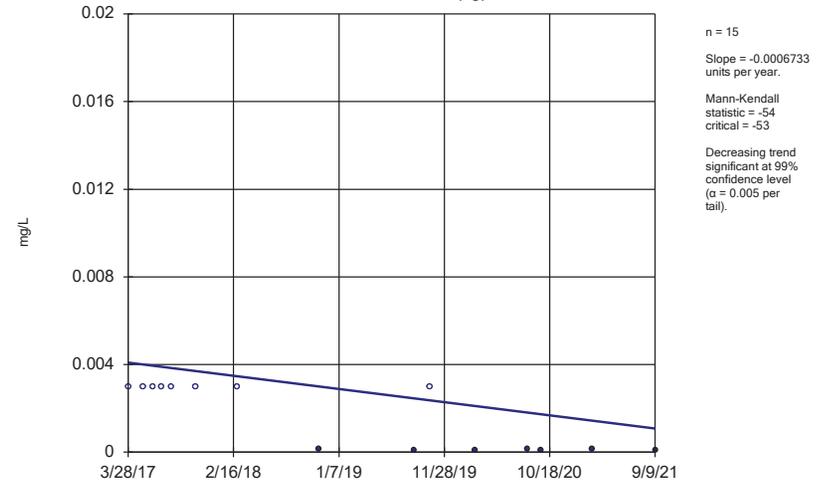
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator DGWA-53 (bg)



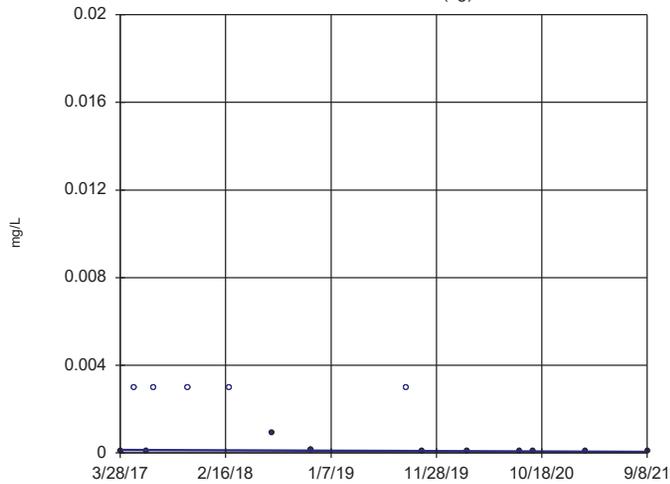
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator DGWA-70A (bg)



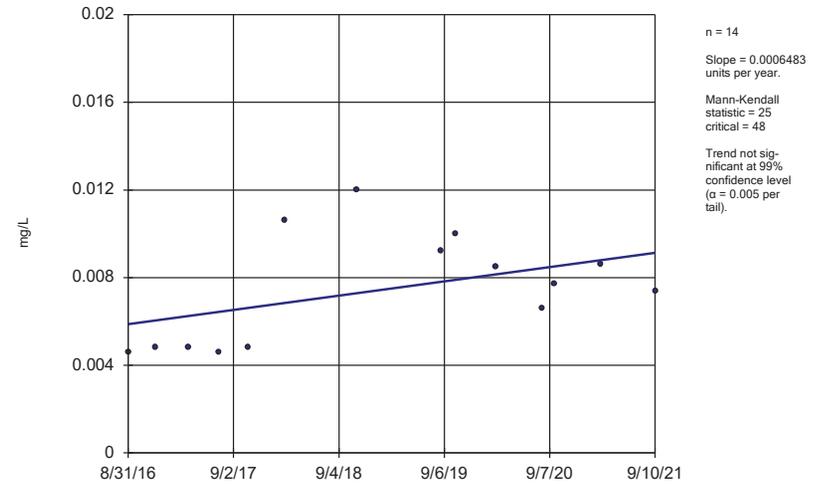
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator DGWA-71 (bg)



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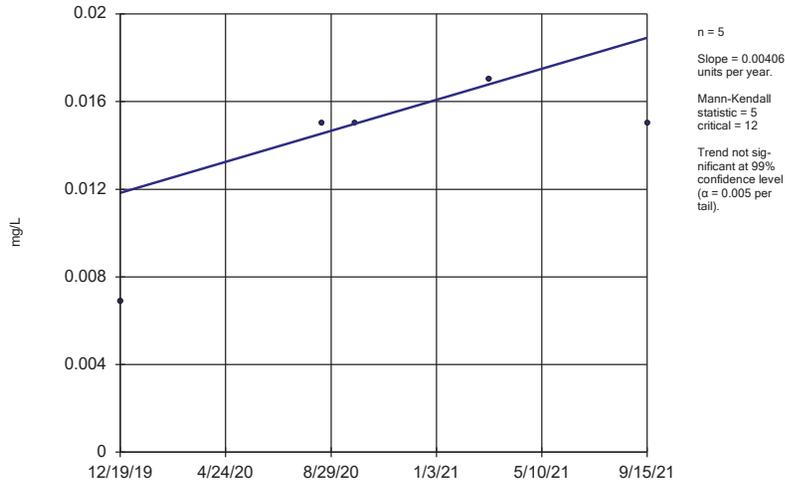
Sen's Slope Estimator DGWC-10



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Sen's Slope Estimator

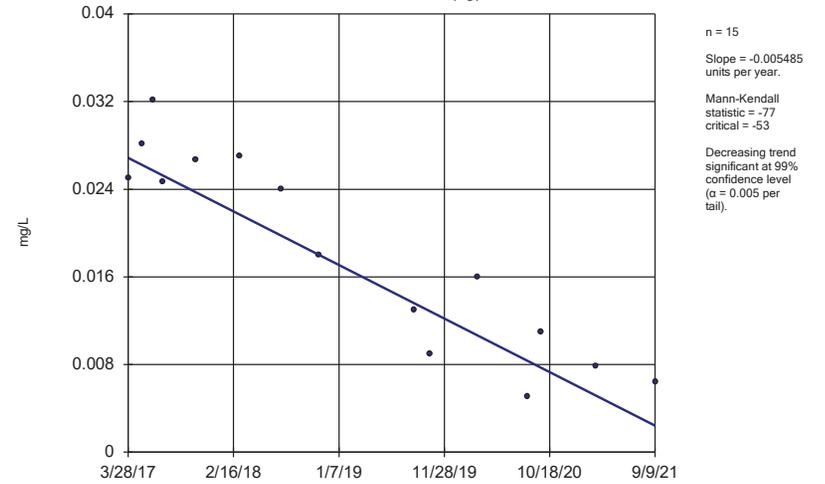
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Sen's Slope Estimator

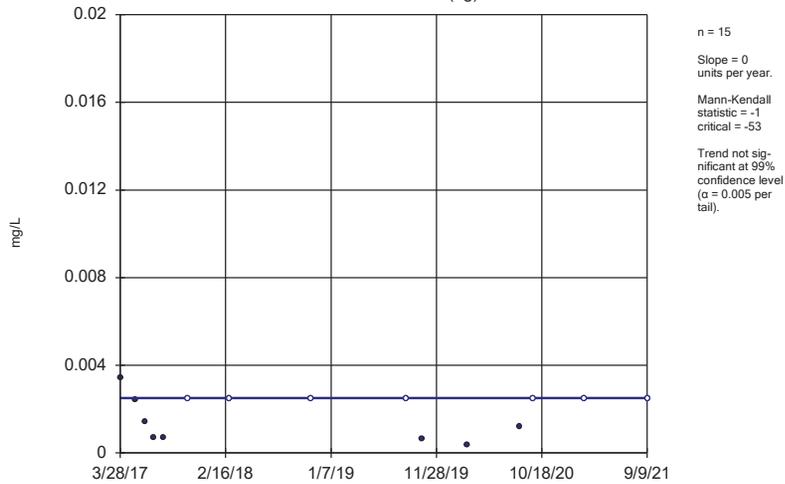
DGWA-53 (bg)



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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWA-70A (bg)



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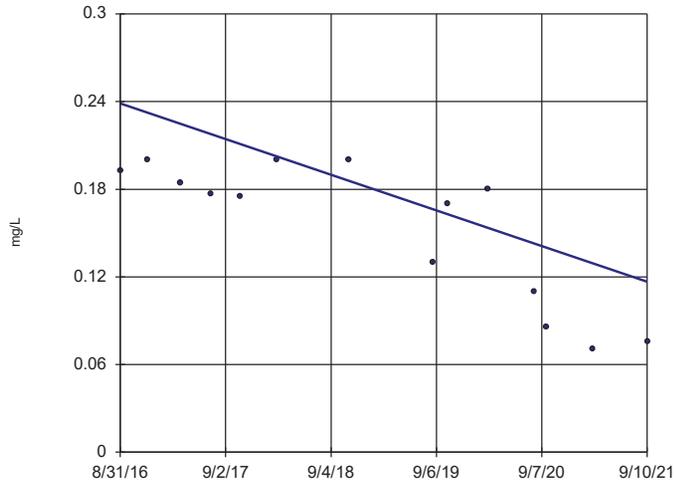
Sen's Slope Estimator

DGWA-71 (bg)



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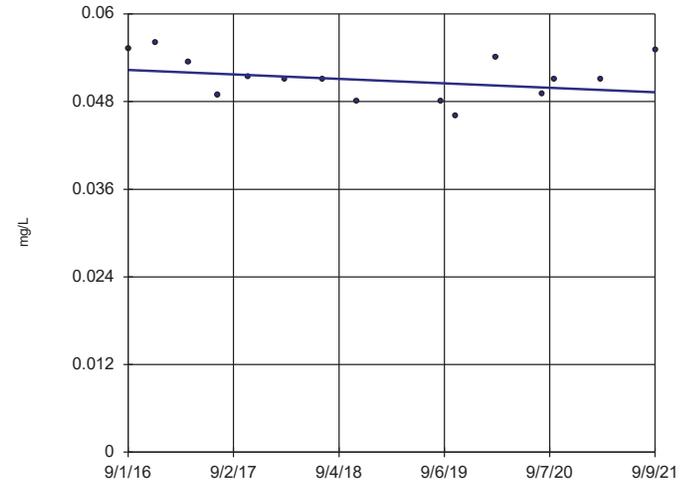
Sen's Slope Estimator
DGWC-10



n = 14
Slope = -0.02424
units per year.
Mann-Kendall
statistic = -58
critical = -48
Decreasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Cobalt Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

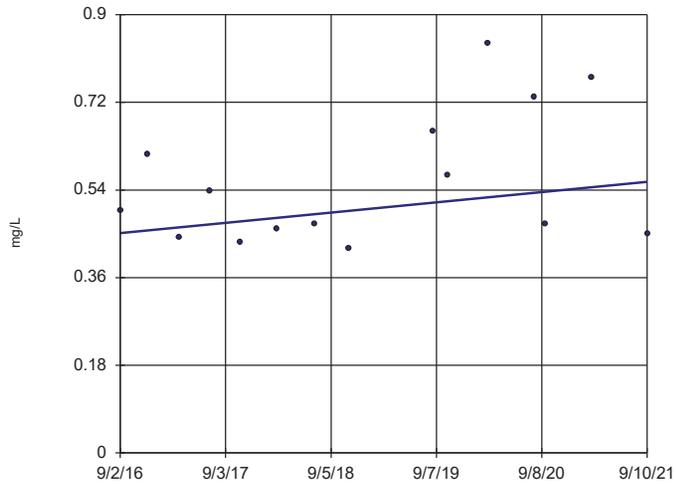
Sen's Slope Estimator
DGWC-19



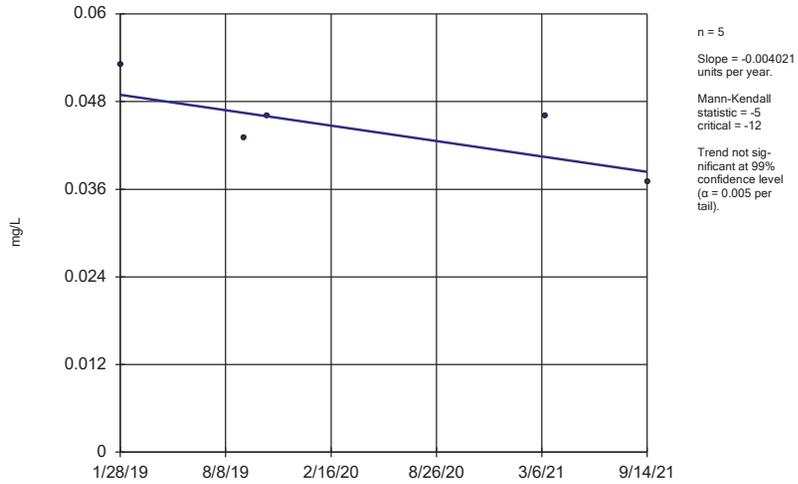
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Slope = -0.0006109
units per year.
Mann-Kendall
statistic = -25
critical = -53
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Cobalt Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWC-20

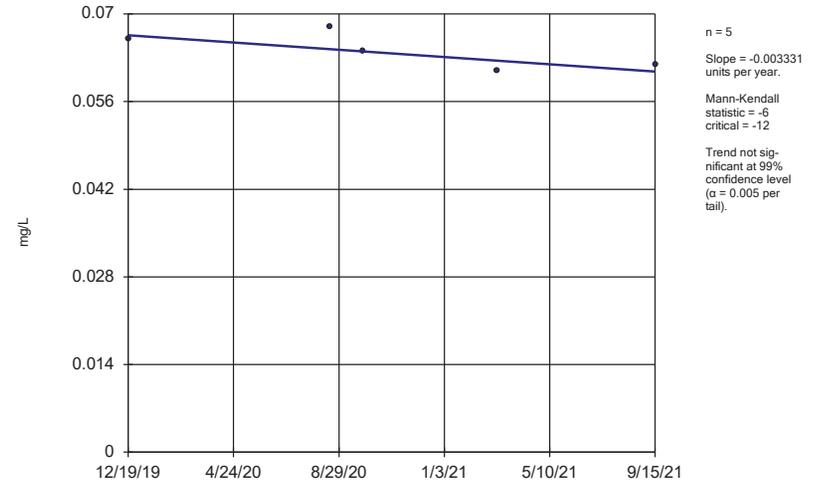


Sen's Slope Estimator
B-63



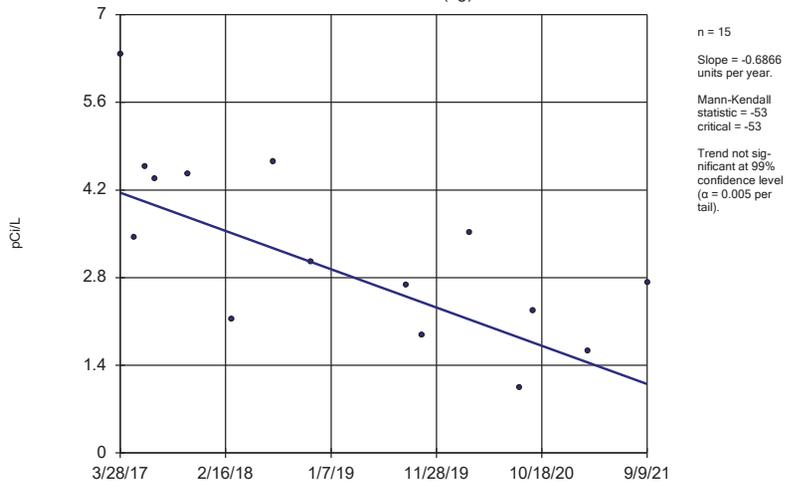
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
B-93



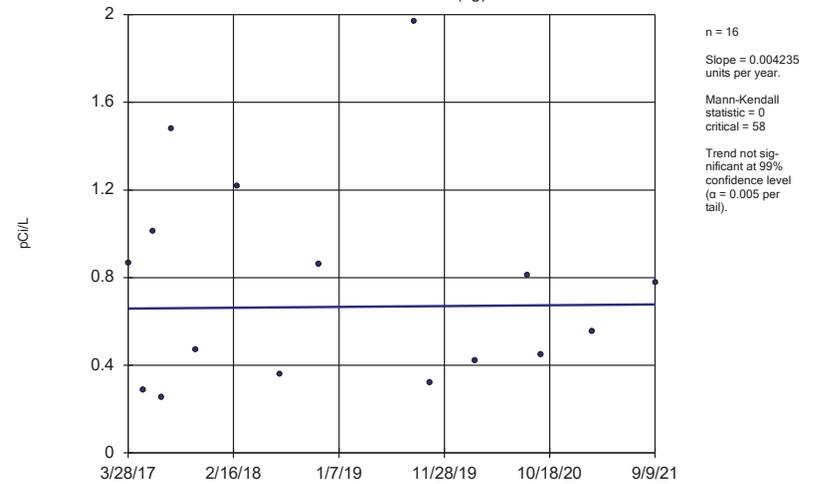
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWA-53 (bg)



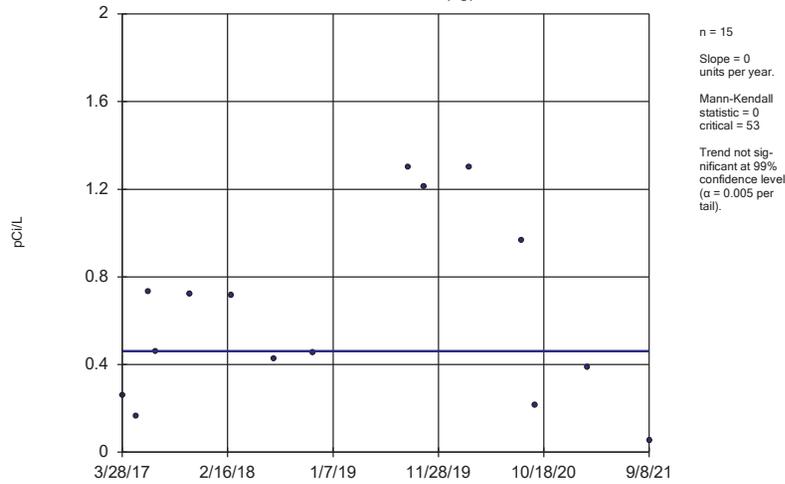
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWA-70A (bg)



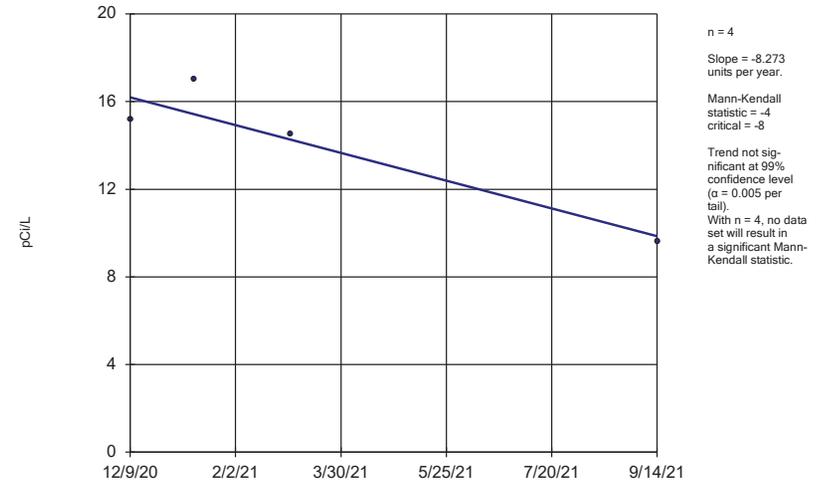
Constituent: Combined Radium 226 + 228 Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Tr
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWA-71 (bg)



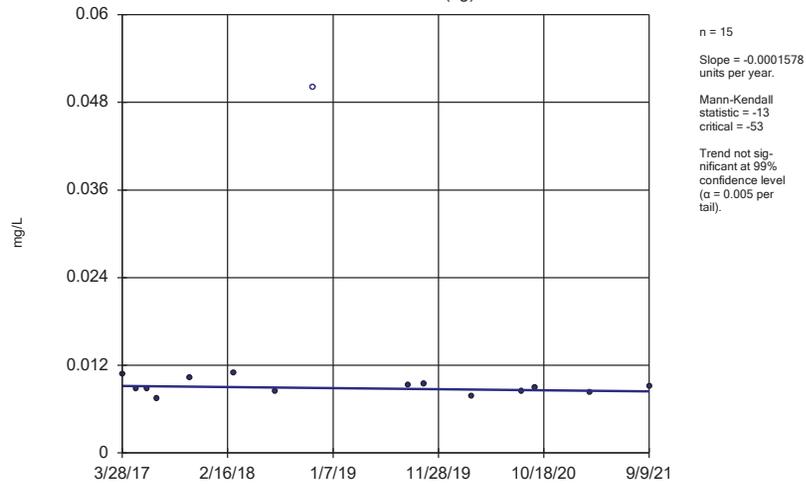
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
B-104D



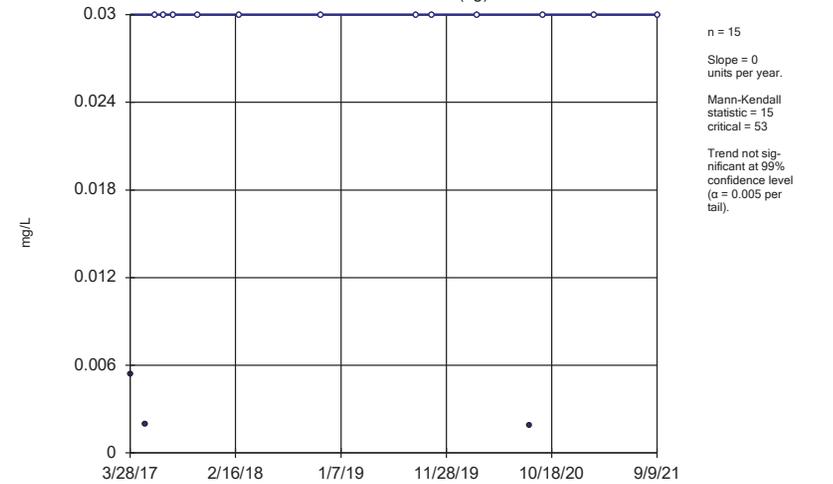
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Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator
DGWA-53 (bg)



Constituent: Lithium Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

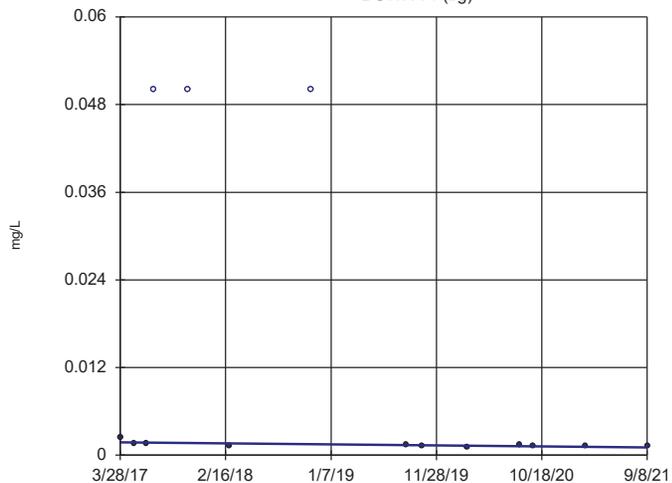
Sen's Slope Estimator
DGWA-70A (bg)



Constituent: Lithium Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWA-71 (bg)

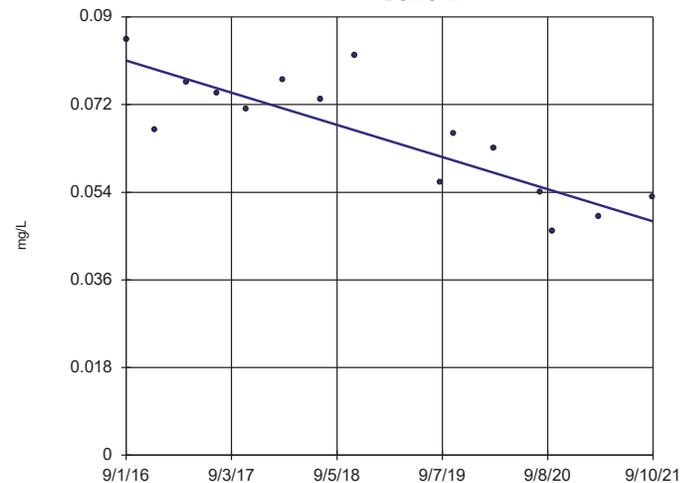


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 Mann-Kendall
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 critical = -48
 Trend not sig-
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 confidence level
 (α = 0.005 per
 tail).

Constituent: Lithium Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
 Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

DGWC-47

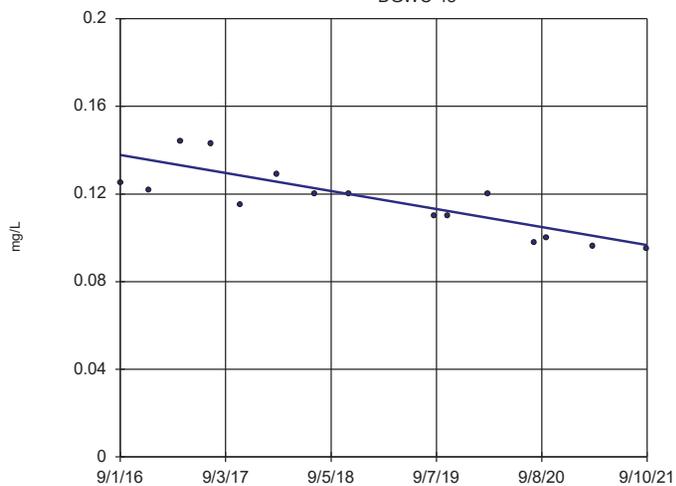


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 Mann-Kendall
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 Decreasing trend
 significant at 99%
 confidence level
 (α = 0.005 per
 tail).

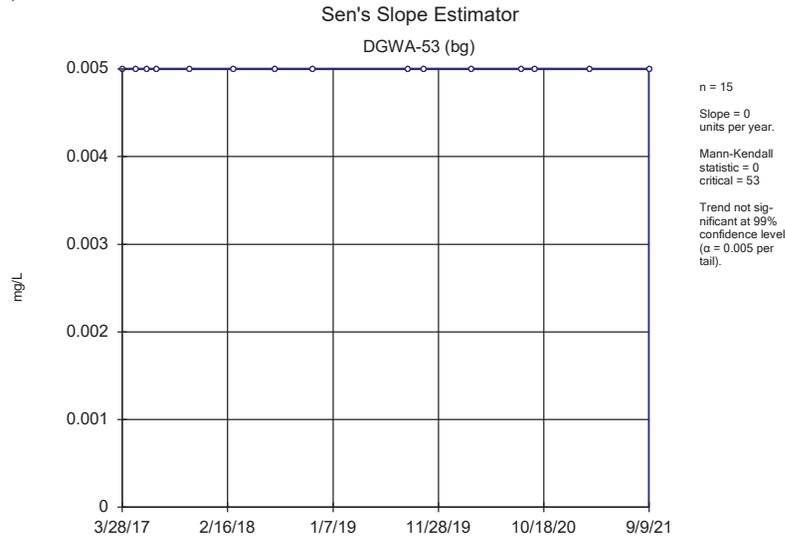
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 Plant McDonough Client: Southern Company Data: McDonough AP

Sen's Slope Estimator

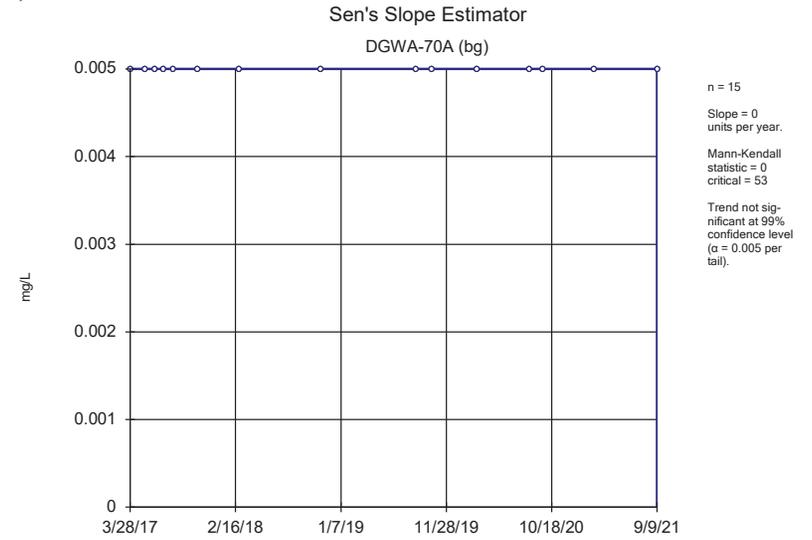
DGWC-48



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 Mann-Kendall
 statistic = -75
 critical = -53
 Decreasing trend



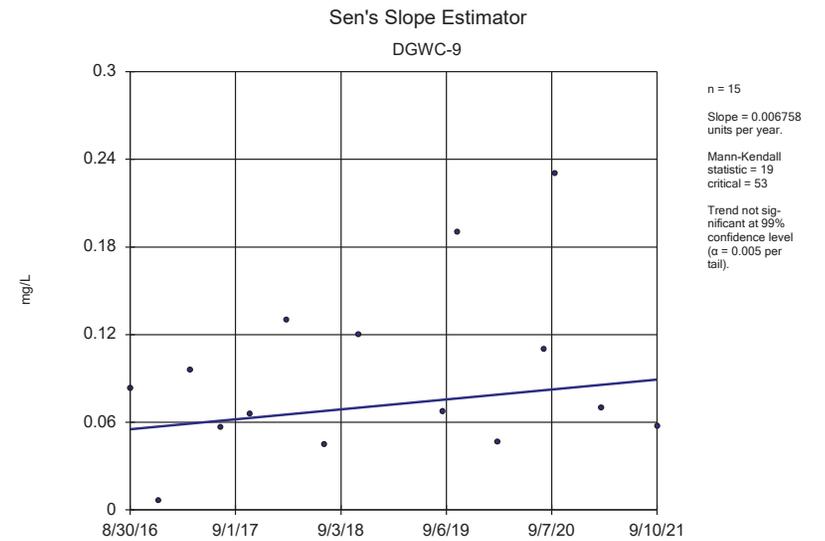
Constituent: Selenium Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP



Constituent: Selenium Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
Plant McDonough Client: Southern Company Data: McDonough AP



Constituent: Selenium Analysis Run 11/8/2021 3:00 PM View: AP 234 Appendix IV Trend Tests
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